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From: Lorman OnDemand Webinars [customerservice@lormanwebinar.net]
Sent: 12/31/2018 6:06:22 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: GASB 34: Financial Reporting for State and Local Governments - OnDemand Webinar

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GASB 34: Financial Reporting Requirements for State and Local Governments

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Gain new insights with a comprehensive overview of government financial reporting from beginning to end.Recent financial difficulties of state and local government finances, highlighted by some noteworthy bankruptcy filings, have prompted increased attention on governmental financial statements. The financial statements of these governments and governmental entities can be very confusing, even for the experienced accountant. This topic will explain the overall financial reporting model used by governments under GASB 34 and help you understand the types of information that can be gleaned from the financial statements and what that information means. The topic will also discuss some very important accounting areas (such as pensions) and how those accounting areas are reflected in governmental financial statements.

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Sent: 12/27/2018 7:01:42 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Planning for Water Distribution System Renewal - Register Today

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Live Webinar

Planning for Water Distribution System Renewal

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Jan 15 1 pm ET

Credits*: AICP, ENG

Understand the different types of water distribution failure, along with their health effects and the necessary responses.

When water mains fail, severe consequences for critical facilities and drinking water can lead to public disappointment in water utilities. The recent Flint, Michigan drinking water episode involved failed water quality in the distribution system and multi-faceted utility responsibilities for managing their infrastructure systems. That failure, together with leaks and breaks, explains why distribution system failure is a high concern for most water utilities and

the main cause of boil water orders and illnesses from drinking water. Despite these realities, a large gap remains between expenditures and needs for water main renewal. Part of the problem is customer willingness-to-pay or affordability, and part of the problem is lack of convincing business cases for pipe renewal. Many aging pipe segments are candidates for renewal with funding from capital improvement programs, and utilities require effective asset management systems based on assessment of failure risk. Analysis of USEPA and American Water Works Association data shows that the national replacement cost of water supply pipelines is about $1 trillion and rising. Meanwhile, average replacement rates for pipe are on cycles close to 200 years, which leads to increasing deferred maintenance and risk of failure.

You will learn recent research-based information about methods to address the problems of aging water distribution infrastructure. Failure types will be explained, along with their health effects and needed responses. The decision process for pipeline renewal will be explained, along with supporting technical issues including materials and trends, asset management systems, condition assessment, and cathodic protection. Political issues of renewal will be explained as background for preparation of business cases for capital investment and a suggested procedure for preparing a comprehensive pipe renewal program.

Learning Objectives

- You will be able to discuss pipeline issues and problem drivers.

- You will be able to review hydraulics, water quality and health challenges.

- You will be able to recognize repair, rehabilitation and replacement methods.

- You will be able to describe data management.

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Professor

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Subject: Public Infrastructure Financing in an Evolving Development Landscape - OnDemand Webinar

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Public Infrastructure Financing in an Evolving Development Landscape

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Understand how to use tools available for financing public infrastructure development projects.Changing demographics and changes in federal and state regulatory and legal environments are shaping the scope and increasing the costs of public infrastructure necessary for new development and redevelopment projects. A variety of public finance mechanisms have grown to meet these challenges to provide more efficient models to finance the construction, operation and maintenance of public infrastructure and incentivize economic development. Private developers, public entity policymakers and financial specialists alike will benefit for understanding the range of available public finance tools, the legal foundation for their use and examples of how they are being used in a variety of land development projects.

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Subject: Make Strategic Decisions with Performance-Based Budgets - OnDemand Webinar

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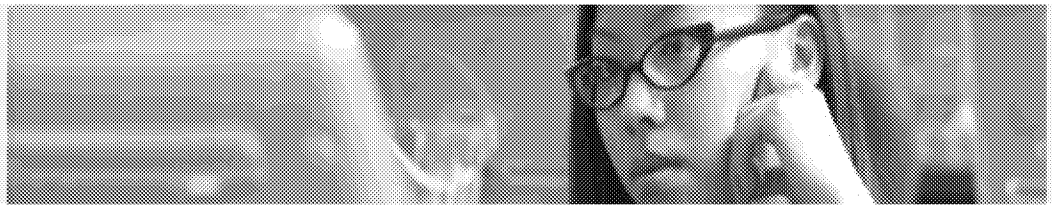

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Make Strategic Decisions with Performance-Based Budgets in the Government Sector

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Understand why performance-based budgeting will help allocate tax dollars into programs with the highest priority.Budgeting in a government organization can be a painful and time-consuming process. Budgeting by incrementally increasing or reducing line-items is inefficient at best and myopic at worst. Many times it feels as if special interests trump what the community or governing board really care about. Budgeting for Outcomes (BFO) is a way to tie the budgeting process to the community's top priorities and interests through an industry best practice. This topic will help those involved in the budgeting process to focus the budget on the things the community values the most while using key performance metrics. The topic will demonstrate, in practical terms, how to move tax dollars into programs and services, prioritize them, and make recommendations based on the governing board's highest priorities. This will help create a sustainable and transparent budget overtime that will position the government to deliver the services that citizens demand and expect.

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From: Scott Billings - SCI Engineering, Inc. [customerservice@lormanonline.com]
Sent: 12/13/2018 1:17:31 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: What You Need to Know About Section 404 Permits: December 19 - 1 pm ET

Dear Colleague,

We would like to personally invite you to join us at our upcoming Lorman Education Services live webinar What You Need to Know About Section 404 Permits on December 19 at 1 pm ET.

Are you prepared for additional requirements that can be triggered during the Section 404 Permit process?

The regulation of wetlands and waterbodies through Section 404 of the Clean Water Act has been well documented. However, what is often unaccounted for are the additional requirements that can be triggered during the Section 404 Permitting process. These oftentimes unforeseen requirements can add costs and/or even delay a project significantly. Therefore, while it is important to understand the basis of the Section 404 regulatory review process, it is equally as important to learn about and understand the ancillary reviews and requirements that can ultimately lead to a project??™s success or failure. This topic is intended to better prepare you for the basic Section 404 regulatory review process administered by the U.S. Army Corps of Engineers and to guide you through some potential key issues that can occur during that process. At the completion of this content, you will be able to better predict major obstacles and potentially costly issues associated with Section 404 of the Clean Water Act.

Learning Objectives

◈ You will be able to describe the Section 404 Permit Process in detail as well as some of the potential obstacles that can hinder your team??™s overall success in this area.

◈ You will be able to identify some often unforeseen issues that can save the applicant time and money on projects requiring Section 404 Permits.

◈ You will be able to explain how additional requirements can be triggered during the Section 404 Permit process.

◈ You will be able to recognize the importance of being aware of issues that could add cost or hinder your project??™s overall success.

Join us at the conclusion of the webinar for a live question and answer session.

Register Today

We hope to see you there.

Sincerely,

Scott Billings
Senior Project Scientist at SCI Engineering, Inc.

Rick Gundlach PWS
Engineer at SCI Engineering, Inc.

P.S. Can't Attend the Live Webinar? Recording Available

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Sent: 12/18/2018 1:03:01 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Tomorrow - What You Need to Know About Section 404 Permits

What You Need to Know About Section 404 Permits

December 19, 2018 - 1 pm ET (12 pm CT, 11 am MT, 10 am PT)

Presented by

Scott Billings, SCI Engineering, Inc. Rick Gundlach, SCI Engineering, Inc.

Are you prepared for additional requirements that can be triggered during the Section 404 Permit process?

The regulation of wetlands and waterbodies through Section 404 of the Clean Water Act has been well documented. However, what is often unaccounted for are the additional requirements that can be triggered during the Section 404 Permitting process. These oftentimes unforeseen requirements can add costs and/or even delay a project significantly. Therefore, while it is important to understand the basis of the Section 404 regulatory review process, it is equally as important to learn about and understand the ancillary reviews and requirements that can ultimately lead to a project??™s success or failure. This topic is intended to better prepare you for the basic Section 404 regulatory review process administered by the U.S. Army Corps of Engineers and to guide you through some potential key issues that can occur during that process. At the completion of this content, you will be able to better predict major obstacles and potentially costly issues associated with Section 404 of the Clean Water Act.

Learning Objectives

- You will be able to describe the Section 404 Permit Process in detail as well as some of the potential obstacles that can hinder your team??™s overall success in this area.

- You will be able to identify some often unforeseen issues that can save the applicant time and money on projects requiring Section 404 Permits.

- You will be able to explain how additional requirements can be triggered during the Section 404 Permit process.

Credits

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- You will be able to recognize the importance of being aware of issues that could add cost or hinder your project??™s overall success.

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Sent: 12/19/2018 3:58:32 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Today - Understanding the Section 404 Permit process.

Good Morning,

We just wanted to send you a quick invite to join today's live webinar, What You Need to Know About Section 404 Permits, starting at 1PM EST.

Be prepared for additional requirements that can be triggered during the Section 404 Permit process?

You'll learn:

- to describe the Section 404 Permit Process in detail as well as some of the potential obstacles that can hinder your team's overall success in this area.
- to identify some often unforeseen issues that can save the applicant time and money on projects requiring Section 404 Permits.
- to explain how additional requirements can be triggered during the Section 404 Permit process.
- to recognize the importance of being aware of issues that could add cost or hinder your project's overall success.
- And more!

Sign Up Now

December 19, 2018
1:00pm EST

See you there,
Scott Billings
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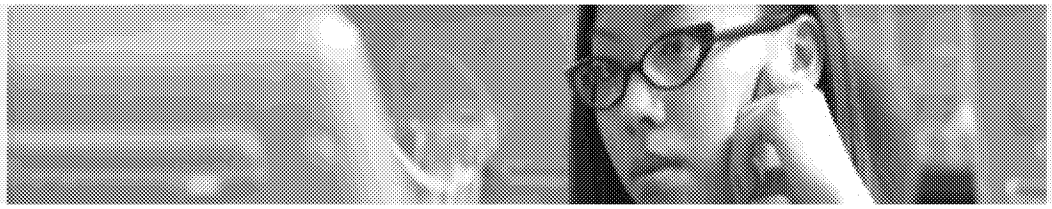

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Litigation of Groundwater Contamination

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95 min

Credits*: AICP, CLE

Gain an understanding of the proper concepts and latest technologies that can have a direct impact on your case.Groundwater contamination sites and groundwater water supply systems are complex and the manner in which they are managed are dependent on constantly changing technologies, regulations and water conditions. Navigating through groundwater transport issues and understanding the process required for incorporating groundwater migration/remediation concepts into your case/project will be presented. Topics will include the court's rejection of EPA's listing of the West Vermont Drinking Water Contamination Site, how some state agencies have persuaded EPA to defer NPL listing in certain cases, and the recent decision by the Ninth Circuit Court of Appeals finding that groundwater contamination can be a 'point source' if hydrologically connected to surface water.

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Despite over 50 years of emergency management experience, many jurisdictions are still unsure if their plans are adequate to deal with disaster.

This is largely a result of focusing on the development of plans that address various phases of response rather building overall organizational resilience. This OnDemand Webinar considers emergency response in the context of a jurisdiction-wide emergency management program and demonstrates the linkages between response and other components of the program. At the same time, it offers practical tips for coordinating response operations by focusing on critical tasks within the incident management team. You will gain a deeper understanding of the concepts behind emergency response and will be better able to assess and simplify your emergency plans.

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To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Recent Developments in Graywater Reuse - OnDemand Webinar

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Recent Developments in Graywater Reuse

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Learn how to design and implement Graywater Systems.

Use of graywater has the potential to achieve up to 30% reduction in demand for potable water. While there is great interest in graywater reuse, its application is not yet widespread due to lack of knowledge on appropriate applications, treatment systems and how to navigate the regulatory framework. This topic will describe what graywater is and its potential to achieve water savings in different residential and commercial applications. You will have an understanding of the components of a graywater reuse systems and resources to guide you through the regulatory and permitting process.

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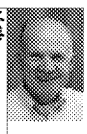

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To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: The Impact of Harmful Algal Blooms

Live Webinar

Harmful Algal Blooms and the Impact on our Nation's Water Resources

November 29, 2018 | 1:00-2:30pm EST
Credit: ENG

Gain the tools needed to make informed decisions regarding HABs to reduce the risk to the environment and human health.

This topic will provide an overview of the issues revolving around harmful algal blooms and their impact on the water resources we as a nation use and depend on every day. Algal blooms have created problems throughout history; however, the occurrence of harmful and toxic algal blooms have been reported more frequently over the past decade. The cyanotoxins that are produced during harmful algal bloom (HAB) conditions have shut down public beaches, reportedly have caused the deaths of livestock and pets, have the potential to cause neurological and liver damage, illicit asthma, and other respiratory illnesses, and have impacted drinking water quality. The economic losses due to these blooms have been experienced around the country as travel declines to tourist destinations, water treatment costs rise, and algal bloom control and remediation efforts increase.

Learning Objectives:

- You will be able to discuss harmful algal bloom challenges.
- You will be able to describe the various types of algae involved and the toxins they produce.
- You will be able to recognize the health issues associated with harmful algal blooms.
- You will be able to identify resources available to help you understand the problem in your local area.

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Subject: Desalination Innovations 2012: Energy and Environmental Advances - OnDemand Webinar

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Desalination Innovations 2012: Energy and Environmental Advances

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Water supply around the world has become one of the major tasks facing municipal managers and stake holders. Desalination has often been regarded as too expensive because it consumes too much energy. Environmental concerns have also been expressed by local groups that fear their beaches and shoreline will be harmed if desalination plants are built nearby. Beginning in 2000, large (25 million gallons per day and larger) desalination plants have been built and operated all over the world, not just in oil rich countries of the middle east. Australia, Singapore, Trinidad, China, India, Mexico, Chile, Spain, and Israel have all built major desalination plants, some of them located in pristine tourist locations. You will learn about the development of seawater desalination using membranes and what the actual costs and experience has been with these modern plants. Energy recovery technology and membrane development will be presented. Potential improvements will also be reviewed. Environmental impact will be reviewed and the design techniques used to lessen the effects on flora and fauna as well as visual considerations.

Learning Objectives:

- You will be able to review the environmental impact of desal plants.
- You will be able to recognize energy efficiency advances in membrane desalination.
- You will be able to identify the design techniques used to lessen the effects on flora and fauna.
- You will be able to identify the health, safety and welfare aspects of desalination innovations.

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Gain an understanding of what grant rules are under the OMB uniform guidance, as well as common issues associated with federal grants.Develop a basic knowledge of the mechanics of federal grants management. Learn about the essentials of grant administration, followed by a discussion of various misconceptions and common pitfalls federal grantees encounter.

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Sent: 11/15/2018 10:36:11 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Best Practices in Budget Development and Analysis

Best Practices in Budget Development and Analysis

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In difficult fiscal times many budget officers and municipal managers begin the process by a rather simple approach: revenues are down 10%, we need to cut the budget by 10%. Then they wait for the battles to begin, internally with department heads, externally with council members and other public stakeholders. This OnDemand Webinar will provide budget preparers with a comprehensive framework for preparing the budget to meet the realities of revenue constraints, set priorities, build consensus, and avoid unproductive budget negotiations. You will learn how to invest your time upfront to gather the data and other information, as well as use effective tools to analyze, prepare and propose an effective budget that meets the fiscal and policy objectives of your governmental unit.

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Sent: 11/7/2018 1:49:31 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Social Media for Government Agencies: How to Successfully Connect With Your Community - OnDemand Webinar

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Sent: 10/31/2018 12:12:21 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Water/Energy Nexus: Utilizing Energy Performance Contracting - OnDemand Webinar

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Credits*:

For over 30 years, energy performance contracting (EPC) also known as ESCO and energy savings performance contracting has assisted municipalities, state and federal entities with financing improvements to infrastructure. Have you been asked to reduce energy operating costs or support sustainability efforts for your entity? Are you or your organization tracking greenhouse gases or concerned about climate change? Are energy costs increasing but budgets for capital maintenance or replacement decreasing? Do you have mandates that are not adequately funded in these areas, such as implementing renewable energy? Is your organization positioned or positioning to assist with these issues? Questions, issues and concerns such as these are increasingly common yet conventional approaches to funding projects may not be adequate or may not exist at all. This OnDemand Webinar will help those people responsible for achieving the above objectives understand the basics of EPC as a means to assist in finance and delivery. With support even reaching to the President of the United States and the head of the U.S. Department of Energy, EPC provides an attractive design build turnkey option that defers payments until savings are realized. As with any endeavor, understanding the rules of the game is critical. This program will present the basics of EPC, followed by who should be involved and how the process works. Then, leveraging lessons learned and understanding sources of uncertainty inherent in all projects are discussed, these being critical to having a successful project and managing expectations of numerous stakeholders. This OnDemand Webinar is valuable to understanding and the basics of entry into the EPC world of finance and delivery.

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Sent: 10/16/2018 3:27:58 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Cost Accounting for the Federal Government Contractor - OnDemand Webinar

OnDemand Webinar

Cost Accounting for the Federal Government Contractor

Gain an understanding of the cost accounting criteria applicable to governmental contracts and contractors.

Course Type: OnDemand Webinar
Course Length: 95 min

This ondemand webinar will provide a fundamental overview of the federal government's expectations related to accounting for costs on contracts; and provide industry resources for more detailed background and assistance to ensure compliance. This ondemand webinar is geared for professionals in the area of accounting, compliance, finance, and program or contract management.

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Sent: 4/4/2019 5:47:56 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Water Quality Standards Game - EPA and the States Up the Ante - OnDemand Webinar

OnDemand Webinar

The Water Quality Standards Game - EPA and the States Up the Ante

Gain an understanding of the dramatic changes in the scope of regulation and requirements.

Course Type: OnDemand Webinar
Course Length: 88 min

Hundreds of thousands of businesses across the country are, or soon will be, subject to an increasingly complex set of regulations regarding the discharge of storm water from properties they own, lease or rent to others. The universe of companies who are, or will soon be, subject to these regulations include industrial facilities, commercial facilities such as shopping centers, and institutions such as hospitals and nursing homes. Compliance with these new regulations are becoming both more complex and more expensive with the imposition of numeric effluent limitations and increasing enforcement by NGOs and private bounty hunters.This information helps you in interpreting these new regulations and assuring compliance understand the dramatic changes in the scope of

regulation and requirements. The topic will provide an overview of the storm water provisions of the Clean Water Act and how they are enforced and consider recent regulatory actions and court cases interpreting and expanding these regulations. Finally, it will provide you with tools to help you address these dramatic changes.

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Sent: 10/3/2018 8:02:15 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: [SPAM] GASB 87, Leases - OnDemand Webinar

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GASB 87, Leases

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Understand the new GASB 87 lease accounting requirements and how it differs from current GASB requirements.The new lease accounting requirements of GASB 87 will have a significant impact on the financial statements of virtually every government that is a party to a lease agreement. Preparers, users and auditors of governmental financial statements need to understand these requirements as the effort required for implementation will be very significant for most governments and should be planned for now. This topic will enable you to not only understand the scope of the new requirements, but also to be able to explain and interpret the new lease accounting information that will be provided in the financial statements.

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From: Lorman OnDemand Webinars [customerservice@lormantraining.net]
Sent: 9/25/2018 12:39:07 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: [SPAM] GASB 34: Financial Reporting for State and Local Governments - OnDemand Webinar

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GASB 34: Financial Reporting Requirements for State and Local Governments

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87 min

Gain new insights with a comprehensive overview of government financial reporting from beginning to end.Recent financial difficulties of state and local government finances, highlighted by some noteworthy bankruptcy filings, have prompted increased attention on governmental financial statements. The financial statements of these governments and governmental entities can be very confusing, even for the experienced accountant. This topic will explain the overall financial reporting model used by governments under GASB 34 and help you understand the types of information that can be gleaned from the financial statements and what that information means. The topic will also discuss some very important accounting areas (such as pensions) and how those accounting areas are reflected in governmental financial statements.

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Message

From: Jackson, Ryan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=38BC8E18791A47D88A279DB2FEC8BD60-JACKSON, RY]
Sent: 5/1/2018 1:25:34 AM
To: Mike Flynn Ex. 6
Subject: Re: RE:

Come Friday at 11. It's Andy's ceremonial swearing in.

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

On Apr 30, 2018, at 8:25 PM, Mike Flynn Ex. 6 wrote:

> Yes, I've noticed....but can't say I'm missing the fun!
>
> Hope all is going well with Andrew's transition. I've told him I'm happy to meet, but I'm sure he has gotten good support from others there.
>
> Best, Mike
>
> Sent from my iPhone
>
> On Apr 30, 2018, at 5:34 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>
>> More everyday.
>>
>> **From:** Mike Flynn Ex. 6
>> **Sent:** Friday, April 13, 2018 12:03 AM
>> **To:** Jackson, Ryan <jackson.ryan@epa.gov>
>> **Subject:** Re:
>>
>> I'm sure. Missed you but no worries, I gather you have a few things that might be keeping you busy lately.
>>
>> Best, Mike
>>
>> Sent from my iPhone
>>
>> On Apr 12, 2018, at 11:19 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>>
>>> I would have rather been there this evening.

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

On Apr 12, 2018, at 6:21 PM, Mike Flynn Ex. 6 wrote:

> Congrats!
>
> Sent from my iPhone
>
> On Apr 12, 2018, at 5:39 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>
> > We did it.
> >
> > Wheeler was confirmed today. 53-45.
> >
> > Whew.
> >
> > Ryan Jackson
> > Chief of Staff
> > U.S. Environmental Protection Agency
> > Ex. 6

Message

From: Gov Continuity of Operations Training Workshop [COOP@PotomacForumWorkshop.org]
Sent: 4/9/2018 5:33:29 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Register to Fine Tune Your COOP & Emergency Planning at Your Agency

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Reporting Directly to Secretary of DHS
--
Veronica (Roni) M. Glass
Deputy Director, Continuity Division
Office of Operations Coordination
DHS
--
Kenneth Briscoe

Chief, Readiness Branch
Continuity Division
Office of Operations Coordination
DHS
--
Calvin W. Turner, Jr.
Director, National Finance Center, USDA
(NFC is the "Poster Child" for Data Center Relocation & Reconstitution)
(Awaiting Final Confirmation)
--
Joe Douglas, ABCP
Continuity Program Manager, USITC

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- *With the latest series of natural disasters in Texas, Louisiana, Puerto Rico, Virgin Islands, and the crippling winter storms in the Northeast, has your organization realized it was not fully prepared to cope with a catastrophic event?*

- *Is your preparation adequate to maintain continuity of your government functions?*

- *Learn from others including the Director of the Department of Agriculture National Finance Center whose proven leadership successfully implemented a COOP plan and continued mission essential functions during a hurricane that destroyed his facility.*

- *Learn New COOP Requirements, Federal Government Policy, Best & Proven Practices and what they mean for your organization.*
- *The Federal Government's continuity requirements are currently being updated and this workshop will address new developments and how it will impact your organization.*
-
- *New emphasis has been placed on Federal Career and Newly Appointed Leadership to insure continuity in all mission aspects.*

- *There will be no excuses for lack of performance in the event of an emergency. Your agency leadership is more dependent than ever on its COOP personal.*

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- ***If you have recently taken over an existing COOP Program and want to ensure that it is up to speed with the industry's best practices***
- ***If you have a COOP Program that is just taking off***
- ***If you have an established COOP Program and need to find new areas to quickly and easily improve***
- ***If you are looking for ways to make your COOP Program execute effectively on a "bad day"***
- ***If you are new to the Federal COOP environment***
- ***If you are in top leadership and need to learn more about what you are "on the hook" for within COOP***
- ***If you are not satisfied with your current agency COOP Plan or Policy***
- ***If you have new Agency Leadership and want to be better prepared to discuss COOP***
- ***If you want to discuss your COOP planning with other Government experts***
- ***If you want to "fine tune" or "Refresh" your knowledge of COOP and current thoughts, regulations, and guidance.***

... then this is the training for you to deliver a practical and sustainable COOP Program that complies with government regulations, best practices and effective management.

Who Should Attend:

- ***Program Managers responsible program operation***
- ***Senior Leadership who own the COOP Program***
- ***Senior Leadership who is Accountable for COOP Planning, Policy and/or Implementation***
- ***Middle managers and staff tasked with the development and implementation of COOP***
- ***Facility managers of Alternate and Emergency Relocation Sites***
- ***IT Managers and Staff tasked with Information Systems Contingency Planning according to NIST SP800-34 Rev. 1 Guidance***
- ***IGs, QA Managers and Staff***
- ***Procurement Staff responsible for COOP Contracting***
- ***Human Resource Managers and Supervisors responsible for Implementing COOP Telework and tracking personnel during emergencies***
- ***State and Local Government COOP Planners***

- *Industry managers and staff supporting the government*

While this workshop is focused on federal COOP, many State and Local Governments have attended and found the information relevant and useful

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Message

From: Venuto, Sarah (Manchin) [Sarah_Venuto@manchin.senate.gov]
Sent: 4/25/2018 6:42:22 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Following up

I believe the Governor is supportive if EPA determines Minden is eligible and the site assessment process is pending so I think that's where things stand.

We did a call with Region 3 folks who were very informative. We just want to be sure we are facilitating and identifying as many resources as possible.

Sarah Venuto
Chief Counsel
Senator Joe Manchin III (D-WV)
sarah_venuto@manchin.senate.gov
202.224.3954

From: Jackson, Ryan <jackson.ryan@epa.gov>
Sent: Wednesday, April 25, 2018 2:35 PM
To: Venuto, Sarah (Manchin) <Sarah_Venuto@manchin.senate.gov>
Subject: RE: Following up

Happy to. Will WV request that the 300 person town be listed on the NPL?

Gathering information on that as well.

From: Venuto, Sarah (Manchin) [mailto:Sarah_Venuto@manchin.senate.gov]
Sent: Wednesday, April 25, 2018 2:34 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Following up

Hey Ryan –

Just wanted to follow up with you on the call between our bosses earlier this afternoon. In addition to the grant announcements that Administrator Pruitt mentioned, Senator Manchin raised a couple of other pending issues that I'd be happy to provide you additional background on if it would be helpful. I can be reached at Ex. 6 and my cell is Ex. 6

Thanks as always and hope you are well.

Sarah

Sarah Venuto
Chief Counsel
Senator Joe Manchin III (D-WV)
sarah_venuto@manchin.senate.gov
202.224.3954

Message

From: Bennett, Tate [Bennett.Tate@epa.gov]
Sent: 4/11/2018 8:55:46 PM
To: Miksad, Roger H. [RMiksad@wileyrein.com]
CC: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: FYI - Letter in Support of Wheeler

Thanks Roger! Will pass this along

On Apr 11, 2018, at 4:41 PM, Miksad, Roger H. <RMiksad@wileyrein.com> wrote:

Tate –

I just wanted to make sure you saw that earlier this week Battery Council International sent to all Senators a letter in support of Andrew Wheeler.

Best,

Roger

Roger H. Miksad | Attorney at Law
Wiley Rein LLP
1776 K Street NW | Washington, DC 20006
Ex. 6 rmiksad@wileyrein.com
www.wileyrein.com | Bio | LinkedIn | Twitter

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<Wheeler Confirmation BCI Letter.pdf>

Message

From: Ex. 6
Sent: 4/8/2018 10:50:37 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Hi Ryan: Very nice of you to check back with me. I will be in DC for...

A week beginning April 19 and would love to see if I could get a meeting set up at OMB while I am there. It would also be great to meet you. Would you be free for a breakfast or lunch either the 19th or 20th or the following Wednesday or Thursday?

Ex. 6

On Apr 8, 2018, at 10:53 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

> Thanks Ex. 6 I'm still working on this to place your resume in front of additional folks at OMB, Presidential Personnel to let you know about the additional opportunities.
>
> **From:** Ex. 6
> **Sent:** Wednesday, March 7, 2018 6:06 PM
> **To:** Jackson, Ryan <jackson.ryan@epa.gov>
> **Subject:** Hi Ryan: Much as I believe in rolling back regulatory burdens at EPA, I think that...
>
> a better utilization of my skill set would be to join the team at OMB and work toward identifying operational and budgetary efficiencies across a broad spectrum of government agencies. Any thoughts on how I could get an introduction to Mick Mulvaney, Russ Vought or one of the team members?
>
> Best regards,

Ex. 6

Ex. 6

Message

From: Van Doren, Terry (McConnell) [Terry_VanDoren@mcconnell.senate.gov]
Sent: 4/12/2018 1:20:59 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Any report on your discussion with EPW?

Looking forward to getting onto the Wheeler nom this afternoon. We'll see after they talk at their lunch how much of the 30 hours they plan to use.

Terry Van Doren
Policy Advisor
Office of Majority Leader McConnell
Washington, DC 20510
(202) 224-3135

Message

From: Shiftboard Webinars [shiftboardinsights@shiftboard.com]
Sent: 4/19/2018 2:20:35 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Join us on Thursday April 6 to learn how employee scheduling automation can transform your organization

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Steve O'Brian
Vice President of Marketing

Steve heads our marketing team here at Shiftboard and is one of Shiftboard's go-to resources for workforce management. Over the past decade Steve has written several guides and articles on managing and developing workforces. His work has been published in several popular publications including CLO magazine and the Chronicle of Higher Education and by professional associations such SHRM.

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Message

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [anatter5@bloomberg.net]
Sent: 4/27/2018 2:17:22 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: House oversight

Hey man!

Long day yesterday, eh? Today's the deadline to respond to the House Oversight Committee's request for documents, right? Do you guys have anything in the works you can share?

Thanks!

Ari Natter
Reporter
Bloomberg News

Ex. 6

@AriNatter
Stories: bloom.bg/2mBBE2I

Message

From: Neil J Naraine [Neil.Naraine@ipaper.com]
Sent: 4/20/2018 12:56:01 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: [External] : Energy industry puzzles over new White House adviser

Sent from my iPhone

Begin forwarded message:

From: "POLITICO Pro Energy" <politicoemail@politicopro.com>
Date: April 19, 2018 at 7:16:39 PM EDT
To: <neil.naraine@ipaper.com>
Subject: [External] : Energy industry puzzles over new White House adviser
Reply-To: "POLITICO subscriptions" <reply-fe93137470660c7d77-1158430_HTML-775594078-1376319-0@politicoemail.com>

Energy industry puzzles over new White House adviser

By Ben Lefebvre and Eric Wolff

04/19/2018 07:14 PM EDT

The appointment of a 28-year-old former congressional staffer as the top White House energy aide left many industry lobbyists scratching their heads — and nervous that the new hire may have trouble filling the shoes of the more experienced adviser he's replacing.

The relatively unknown Francis Brooke will step into the role as replacement for Mike Catanzaro, who will exit the White House next week. Catanzaro and NSC energy adviser George David Banks, another energy adviser who departed earlier this year, have been the top two energy experts in the White House, and they'll take with them decades of experience.

Brooke spent the last year in Vice President Mike Pence's office serving in a junior role to Catanzaro and Banks. But energy lobbyists worry his elevation will leave them without steady hands in the White House just as the administration confronts big decisions on the coal industry, an intra-party biofuels fight and thorny energy trade issues. Putting a relative rookie into the role also shows that the administration may not devote as much attention to energy issues in the run-up to the 2018 elections, sources said.

"It shows you this administration doesn't care about these issues," said one lobbyist who works extensively with the administration on energy policy, but who requested anonymity to discuss people he expects to work with. "I expect agencies are now going to have to play a bigger role. There's not going to be a lot of policy issues that will be determined over the next eight months or so."

Brooke joins the White House with far less energy-sector experience than Banks and Catanzaro, who came to their jobs with long histories in industry and government. He started his career as an intern for Mick Mulvaney in October 2012 when the White House budget director was a

South Carolina congressman. After that, he had stints as a staff assistant for Rep. Andy Barr (R-Ky.) and legislative aide for Senate Majority Leader Mitch McConnell (R-Ky.). Pence's office tapped him to be associate director of policy in February 2017.

His family was involved in international politics in the previous decade. His father, Francis Brooke Sr., helped foster the relationship between officials in the George W. Bush administration and Ahmed Chalabi, the controversial Iraqi exile who helped convince the U.S. to invade his country.

Pence's office confirmed Brooke's biographical information but did not offer further details about his time working with the vice president.

McConnell's office did not respond to questions about Brooke. A spokeswoman for Barr said Brooke had been "one of the Congressman's most trusted legislative assistants and handled a wide variety of issues including energy, environment, and health care."

Previous to that, Brooke's biggest notice came from pitching 97 innings in the 2012 season with Northwestern University, making 13 starts and ending with a 2.51 earned run average. He would later serve as a coach to the Republicans' congressional baseball team, and he was on the Arlington, Va., practice field when a gunman shot Rep. Steve Scalise of Louisiana.

Lobbyists say they worry that with the departures of Catanzaro and Banks, Brooke will not be able to help the White House navigate complex energy issues with technical details that can be headache-inducing.

"There is angst downtown that without Mike there, no one knows who is going to make the trains run on time," said Andeavor's Stephen Brown. "Mike was always the adult in the room on energy issues with substantive knowledge, not just a political perspective."

Brooke, along with Wells Griffith, an Energy Department official on a three-month loan to the White House, will have almost no time to get acclimated to their jobs. The Department of Energy is grappling with whether to try to use emergency authority to keep economically distressed coal-fired power plants running. And the two new staffers may need to help Trump navigate the dispute between refiners seeking changes to the Renewable Fuel Standard and corn farmers who are counting on the president to live up to his promise to protect ethanol.

They will also have to cope with White House officials on trade issues, such as the steel tariffs that oil and gas companies have complained could hamper the construction of new pipelines.

But some current and former administration officials say they have confidence Brooke is up to the job. They say he worked closely with Banks and Catanzaro on all their key issues, including traveling with Banks to the U.N. climate conference at Bonn, Germany, as a key adviser.

"He knows all the players, he's been in all the meetings," said one administration source. "He has the right temperament, the right judgment. People get into these jobs and they use them for vanity tours. Brooke doesn't do that. He's going to be great."

Banks, who left the White House in February, agreed.

"I think that he's ready for the role," said Banks, former adviser to Trump on the NSC. "Francis has been deeply engaged in all of the major energy environment [initiatives]. Some people

wouldn't have the experience he's had in working these issues for over a year in the White House. He's incredibly bright, disciplined person."

Critics of the administration's energy policy rollbacks hoped Brooke's lack of experience would depoliticize some of the big decisions before the administration.

"Of course it's weird that there's no senior person covering energy issues," said John Morton, former senior director for energy and climate change on the NSC during the Obama administration. "Though with this administration, it's often a blessing in disguise when a policy area gets neglected by Trump appointees, as it allows more talented career staff to manage affairs."

To view online:
https://www.politicopro.com/energy/article/2018/04/energy-industry-puzzles-over-new-white-house-adviser-494665

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Message

From: Dan Blumenthal [dblumenthal@aei.org]
Sent: 4/19/2018 2:17:25 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Pompeo to North Korea proves Trump follows his own playbook

Dear Colleagues:

I'm writing to share my latest essay in The Hill, *Pompeo to North Korea proves Trump follows his own playbook*.

As always, I look forward to your comments and feedback.

Best,

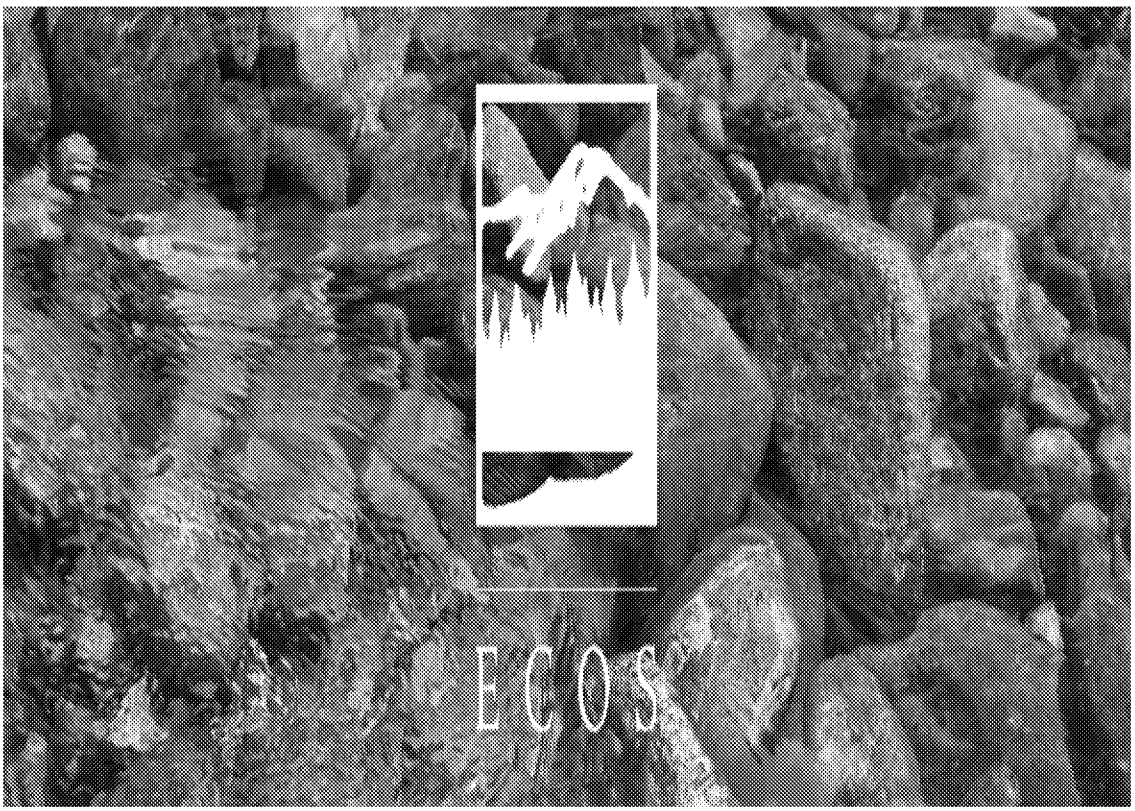
Dan Blumenthal
Director of Asian Studies and Resident Fellow
American Enterprise Institute

Message

From: ECOS [ecos=ecos.org@mail214.atl171.mcdlv.net]
on behalf of ECOS [ecos@ecos.org]
Sent: 4/27/2018 8:21:21 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Pruitt Testifies on Hill and Proposes Science Rule, States Make Strides, & More

Pruitt Testifies on Hill and Proposes Science Rule, States Make Strides, & More

ECOSWIRE | Vol. 20 No. 17 View this email in your browser



ECOSWIRE

Friday, April 27, 2018

Vol. 20 No. 17

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- Need-to-Know News in Air & Environmental Justice
- Career Opportunities
- Upcoming Events

Pruitt Testifies at Two Closely Watched Hearings on Capitol Hill

U.S. EPA Administrator Scott Pruitt testified yesterday at two hearings in the House of Representatives to respond to questions surrounding agency funding and policy as well as personal ethics. Appearing before the Appropriations Interior, Environment, & Related Agencies Subcommittee and the Energy & Commerce Environment Subcommittee on the agency's FY19 budget, Pruitt defended himself against criticism regarding certain management and spending practices. He also touched on policy issues including the new proposed rule to strengthen science used in regulations (see related story) and the suite of FY18 Brownfields Grants announced this week.

In addition, Pruitt addressed actions on the horizon, noting that EPA soon will announce a Waters of the U.S. replacement rule and proposed revisions to EPA's light-duty vehicle greenhouse gas standards. In response to a lawmaker's question about coal combustion residuals, Pruitt noted that few states have filed state coal ash implementation plans pursuant to the new federal policy but that the program is still nascent and EPA is working with several states to assist in their development of permit program applications.

Pruitt's written testimony included a listing of his top priorities: enhancing drinking water and wastewater infrastructure; accelerating the remediation and revitalization of the most contaminated land; improving air quality through reductions in the number of areas not in attainment with the National Ambient Air Quality Standards; and meeting all the statutory deadlines outlined in the amended Toxic Substances Control Act. In addition, the

testimony notes support for flexibility for states to address priorities and for cooperative federalism activities through the multipurpose grants program.

The testimony also includes an EPA proposal to increase compliance assistance through new voluntary oil and chemical facility compliance assistance fees allowing EPA to conduct walkthroughs and provide recommendations to facilities. It further notes that while EPA's budget request does not include plans to close Regional offices, the agency will continue "to prioritize efforts that save taxpayer dollars through space consolidation…." [McAleer/Graves/Parisien]

Pruitt Signs Proposed Rule to Eliminate 'Secret Science'

U.S. EPA Administrator Scott Pruitt signed Tuesday a proposed rule to eliminate "secret science" used in regulations issued by the agency. According to EPA, the rule seeks to ensure that all regulatory science underlying EPA actions is fully transparent, publicly available, and sufficient for independent validation. EPA says the rule aligns with the scientific community's push for increased data sharing and reproducible research.

The proposed rule has drawn mixed reviews, with opponents arguing that it skirts statutory mandates to use the best available science and address confidential trade secrets. Some express concern as to whether the policy will prevent use of studies that rely on confidential business information (CBI) or limit EPA's access to health studies, which are subject to patient confidentiality requirements. While the rule does not specifically address these points, it states that the agency believes "that concerns about access to confidential or private information can, in many cases, be addressed through the application of solutions commonly in use across some parts of the [f]ederal government."

EPA soon will accept public comment on a number of the proposed rule's provisions, including authorities to address implementation issues (including CBI) and what criteria the agency should use to justify any exceptions. [Longsworth]

U.S. EPA Announces First WIFIA Loan to King County, Washington

Last week, U.S. EPA issued its first loan under the Water Infrastructure Finance and Innovation Act (WIFIA) to King County, Washington.

The loan will help finance the Georgetown Wet Weather Treatment Station, which will collect and treat up to 70 million gallons of wastewater and stormwater per day. During heavy rains the combined sewer pipes spill into the Duwamish River, which drains into Puget Sound. The estimated project cost is $275 million, and the WIFIA loan will finance nearly half of it.

For more information about the WIFIA program and the Georgetown Wet Weather Treatment Station, click here. [Piper]

State News You Can Use

Groundbreaking Ceremony Marks Progress under North Carolina State Water Plan

---

Pennsylvania, Federal Agencies Settle with Natural Gas Company over Air Violations

---

Texas Hosts Hurricane Prep Workshop

Iowa Introduces Streamlined Public Notice of Air Quality Permits

Need-to-Know News in Air & Environmental Justice

U.S. EPA Announces Funding to Reduce Emissions from Diesel Engines Nationwide

Area of Focus: *Air*

On April 24, U.S. EPA announced the availability of grant funding to modernize the nation's diesel fleet by retrofitting or replacing vehicles with cleaner, more efficient diesel engines. EPA anticipates awarding approximately $40 million in Diesel Emission Reduction Program (DERA) grant funding to eligible applicants, subject to the availability of funds.

EPA anticipates awarding between 20 and 80 assistance agreements to projects that significantly reduce diesel emissions and exposure, especially from fleets operating at goods movements facilities in areas designated as having poor air quality. Priority for funding will be given to projects that engage and benefit local communities and applicants that demonstrate their ability to promote and continue efforts to reduce emissions after the project has ended.

Project proposals are due **June 5**. [Poole]

U.S. EPA Environmental Justice FY2017 Progress Report Notes ECOS Publication

Area of Focus: Environmental Justice

On April 19, U.S. EPA issued its Environmental Justice FY2017 Progress Report. Marking the 25th anniversary of the establishment of the Office of Environmental Justice, the

FY2017 report highlights EPA's ongoing environmental justice work focused on demonstrating tangible results in minority, low-income, tribal and indigenous communities.

The report focuses on the themes of delivering environmental results; cooperative federalism; rule of law and fair process; and building community capacity and engagement.

Notably, the report cites the ECOS Green Report on State Approaches to Community Engagement and Equity Considerations in Permitting as an example of cooperative federalism and best practices regarding community involvement and equity in state permitting programs. [Poole]

U.S. EPA Launches Mobile App for EJSCREEN

Area of Focus: Environmental Justice

On April 24, U.S. EPA launched its mobile version of EJSCREEN, the agency's nationally acclaimed environmental justice screening and mapping tool. This new version makes accessing EJSCREEN easier for those working on the ground in communities.

The mobile version offers most of the same key functions and features as the full online version, but does so in a more compact and accessible layout. Some of the features included are the ability to select locations; access reports; and map environmental, demographic and EJ indicators. [Poole]

Career Opportunities

Massachusetts DEP Seeks Deputy Director, Municipal Services

The Massachusetts Department of Environmental Protection's Bureau of Water Resources seeks applicants for the position of Deputy Director, Municipal Services. The position entails the identification of priority areas for investment of Clean Water and Drinking Water State Revolving Fund financing.

For more information, see here. [Parisien]

Upcoming Events

ECOS Calls

ERIS on Research Needs

In an effort to prioritize states' research needs, ECOS and affiliate Environmental Research Institute of the States is conducting media-specific calls to gather information to inform future planning and contribute to the development of the U.S. EPA Office of Research and Development (ORD) Strategic Research Action Plan.

The water and air-focused calls were held this week. The remaining two calls are scheduled as follows:

- **Waste - April 30: 2-3 p.m. Eastern**
  http://epawebconferencing.acms.com/ecoswastecommittee/
- **Cross-Media - May 3: 3-4 p.m. Eastern**
  http://epawebconferencing.acms.com/ecoscrossmediacall/

The call-in number for both calls is (866) 299-3188, with access code (202) 564-6669.

ECOS members and state staff are invited to participate in the calls, and are asked to be prepared to answer the following questions: Are states' priorities the same or different from those identified in the 2016 ERIS survey of state research needs? What emerging issues/challenges should ORD consider in its next Action Plan?

As the calls are held, PowerPoint presentations will be posted on ECOS' website here. States are encouraged to provide comments after the calls to further inform strategic research planning. Please send comments to Sarah Grace Longsworth of ECOS by **May 11**. [Longsworth]

ERIS on State Science Contacts

ERIS will host its bimonthly State Science Contacts call on **May 4 at 11 a.m. Eastern**. The purpose of these calls is to share relevant information on science and research, receive input from states on state science needs, and provide state perspective on various research activities.

An agenda for the call will be sent next week. If you are interested in participating, email Sarah Grace Longsworth of ECOS. [Longsworth]

Webinars

U.S. EPA on Emerging Sensor Technologies Report

U.S. EPA's Air and Energy National Research Program will host two webinar sessions to update stakeholders on its Emerging Sensor Technologies 2014-2018 Progress Report. The identical sessions will be held on **April 30 at 8:30-11:30 a.m. Eastern and 1:30-4:30 p.m. Eastern**, and will summarize general findings across a broad base of the agency's air sensor research activities over the past several years.

The first two hours of each session will feature presentations by EPA Sensor Performance Evaluation and Application Research team members on topics such as sensor evaluations, data analytics, ammonia detection, citizen science, and detection of select emission sources. The final portion of each session will be a question and answer period.

To register, see here. [Longsworth]

U.S. EPA on Lead Exposure Modeling and Research

U.S. EPA will host its monthly Tools and Resources webinar on **April 30 at 3-4 p.m. Eastern** to discuss multimedia modeling of lead exposure in children and water lead monitoring research to inform public health decisions. Specifically, EPA's Office of Research and Development (ORD) will highlight its innovative exposure-dose modeling approach to better understand the relationship between drinking water lead concentrations

and children's blood lead levels considering exposures from water, soil, dust, food, and air. ORD will then discuss the future data needs to apply the approach at state and local levels, and will report on water lead monitoring research relevant to state priorities.

To register, see here. [Longsworth]

ITRC on Bioavailability of Contaminants in Soil

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course on Bioavailability of Contaminants in Soil: Considerations for Human Health Risk Assessment on **May 3 at 1-3:15 p.m. Eastern**.

The basis for this training course is the ITRC guidance: Bioavailability of Contaminants in Soil: Considerations for Human Health Risk Assessment (BCS-1). This guidance describes the general concepts of the bioavailability of contaminants in soil, reviews the state of the science, and discusses how to incorporate bioavailability into the human health risk assessment process. Training course participants will learn to apply the decision-making process to determine when a site-specific bioavailability assessment may be appropriate; consider factors that affect arsenic, lead, and PAH bioavailability; select appropriate methods to evaluate soil bioavailability; and use tools to develop site-specific soil bioavailability estimates and incorporate them into human health risk assessment

Learn more and register here. [Bodi]

E-Enterprise Facility Integration Project Team on Opportunities for Involvement

The E-Enterprise Facility Integration Team Co-Chairs will host a webinar on **May 8 at 1-2:30 p.m. Eastern** to report on the team's Phase II accomplishments and plans for Phase III, which is about to begin. Co-Chairs Ron Evans and Susan Joan Smiley (U.S. EPA), Joshua Kalfas (Oklahoma), and Ben Way (Wyoming DEQ) will lead webinar presentations and answer any questions related to the Facility work.

The Facility Integration Team is currently seeking states, tribes and local governments to partner in Phase III. Partnership opportunities will be discussed on the webinar.

Register here and learn more here. [McAleer]

U.S. EPA on Business Innovations in Reducing Food Waste

U.S. EPA will host a webinar on **May 17 at 10-11:30 a.m. Eastern** to highlight business innovations to reduce food loss and waste. Presenters include three Food Loss and Waste 2030 Champions who are leading the way in helping the country reach its 50 percent food loss and waste reduction goal. Speakers from each company will share best practices, tools, and resources to prevent food from going to waste. They will address how shifts in company culture have changed operations as well as the critical role of food waste measurement in achieving their goals.

Register here. [Longsworth]

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Message

From: Russell, Richard (EPW) [Richard_Russell@epw.senate.gov]
Sent: 4/18/2018 11:19:06 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: response

Thanks

Richard Russell
Staff Director
Committee on Environment & Public Works

On Apr 18, 2018, at 7:17 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

> Per our conversation yesterday, attached is a response for Chairman Barrasso.
>
> Should anything be uncovered from a review of previous FOIA's we will inform you. If you have any further questions please call.
>
> Thank you.
>
> Ryan.
>
> Ryan Jackson
> Chief of Staff
> U.S. Environmental Protection Agency
> Ex. 6
>
> <Barrasso 2018-04-18.pdf>

Message

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [anatter5@bloomberg.net]
Sent: 4/9/2018 9:12:43 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd:You're invited: Bloomberg Washington Bureau event

I think Chatterjee is coming. If you stop by....completely off the record of course ;)

Ari Natter
Reporter
Bloomberg News
Ex. 6
@AriNatter
Stories: bloom.bg/2mBBE2I

From: Craig Gordon (BLOOMBERG/ NEWSROOM:) At: 03/29/18 16:21:10
To: Craig Gordon (BLOOMBERG/ NEWSROOM:)
Subject: You're invited: Bloomberg Washington Bureau event

Folks --

This is going to be a very special night for a very special person, our colleague, Margaret Talev.

Please RSVP through the link below. Hope to see you there!

Craig

Craig Gordon
Washington Bureau Chief
Bloomberg News
Ex. 6

From: Special Events (BLOOMBERG/ 731 LEX) At: 03/28/18 15:09:46
To: Megan Potter (BLOOMBERG/ WASHINGTO)
Subject: You're invited: Bloomberg Washington Bureau event

Bloomberg

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The First Amendment is first for a reason.

Tuesday, April 10, 2018
5:30pm - 8:00pm

Bloomberg's Washington Bureau Chief **Craig Gordon** invites you to celebrate the First Amendment and Senior White House Reporter Margaret Talev's tenure as the 2018 White House Correspondents' Association President.

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Message

From: Ryan Jackson Ex. 6
Sent: 3/18/2019 2:57:06 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: ACCCE Board meeting June 18

---------- Forwarded message ---------
From: **Paul Bailey** <pbailey@americaspower.org>
Date: Tue, Mar 12, 2019 at 2:08 PM
Subject: ACCCE Board meeting June 18
To: Ryan Jackson < Ex. 6

Can you or Andrew speak at the meeting? Good opportunity for you to get out of the building.

Paul Bailey
4601 N. Fairfax Drive, Suite 1050 • Arlington, VA 22203

Ex. 6
pbailey@americaspower.org

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Message

From: Ryan Jackson Ex. 6
Sent: 4/17/2018 9:29:35 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Juliya Grigoryan Resume.pdf
Attachments: Juliya Grigoryan Resume.pdf

Ryan Jackson
Ex. 6

Ex. 6

Message

From: Tom Davis Ex. 6
Sent: 4/8/2018 9:02:28 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Corporate Roundtable April 11/Ernie Rosenberg

Sure. Should I call you? When and what number?

Sent from my quickeniPad

On Apr 8, 2018, at 4:25 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

Could we connect tomorrow just to ensure I'm clear on the program?

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

On Apr 3, 2018, at 9:10 AM, Tom Davis Ex. 6 wrote:

Good morning,
Are you OK for April 11 dinner remarks? Questions? We can talk by phone is you are available.
Agenda is attached,
Remarks are informal, no press and 15-20 minutes...OK?

Tom Davis

Ex. 6

Ex. 6

<April 2018.docx>

Message

From: Lungren, Kelly [Kelly.Lungren@mail.house.gov]
Sent: 4/27/2018 8:13:31 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Michael, Emily [Emily.Michael@mail.house.gov]
Subject: RE:

Will have Emily Michael get something over to you.

Kelly Lungren McCollum
Chief of Staff
Congressman H. Morgan Griffith (VA-09)
2202 Rayburn HOB Washington, DC 20515
202-225-3861 phone
202-225-0076 fax

From: Jackson, Ryan [mailto:jackson.ryan@epa.gov]
Sent: Friday, April 27, 2018 1:08 PM
To: Lungren, Kelly <Kelly.Lungren@mail.house.gov>
Subject:

Hey Kelly, Congressman Griffith mentioned information he would like considered in the EPA upcoming rule on gliders. Can I get that from someone in your office?

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency

Ex. 6

Message

From: Kevin Bogardus [kbogardus@eenews.net]
Sent: 4/11/2018 3:14:25 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]; Bowman, Liz [Bowman.Liz@epa.gov]
Subject: RE: Story behind two EPA ethics memos

Gotcha. Thanks Ryan. I will then use the below in my story to add more context. Thanks again.

Jackson remarked at one point that he had helped get the application of Administrator Pruitt's daughter for the White House internship to be considered.

And thanks for the offer of an EPA internship but I will take a pass!

-Kevin

From: Jackson, Ryan [mailto:jackson.ryan@epa.gov]
Sent: Wednesday, April 11, 2018 11:02 AM
To: Kevin Bogardus <kbogardus@eenews.net>; Bowman, Liz <Bowman.Liz@epa.gov>
Subject: RE: Story behind two EPA ethics memos

Ok, but it's not really correct. I probably should have pointed that out. I helped get her application in for an internship to be considered. I didn't get her the internship. I'm not in charge of that. I was aware the WH may have had space.

I can get you an internship at EPA though. Really rewarding experience.

From: Kevin Bogardus [mailto:kbogardus@eenews.net]
Sent: Wednesday, April 11, 2018 10:46 AM
To: Bowman, Liz <Bowman.Liz@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Story behind two EPA ethics memos

Great. Many thanks to you both for signing off on these quotes, Ryan and Liz. I will use these on-the-record quotes from Ryan in my story. And on Quote 3, I will note that EPA felt it was important that reporters had the full information related to Administrator Pruitt's lease and canceled rent checks that Thursday night given stories were going to be written no matter what that night.

One last point for you, Ryan, which is: I'm including in my story that during the Friday afternoon morning, you, Ryan, remarked at one point that you had helped secure Administrator Pruitt's daughter the White House internship, which I included in my reported out timeline in my initial email for this story. I believe that tidbit will grab people's attention so I just wanted to bring it to your attention again in case you dispute that you said that. Please let me know as soon as you can.

Again, thanks so much for your help both. Talk to you later.

-Kevin

From: Bowman, Liz [mailto:Bowman.Liz@epa.gov]
Sent: Wednesday, April 11, 2018 10:22 AM
To: Kevin Bogardus <kbogardus@eenews.net>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Story behind two EPA ethics memos

Im okay with this if Ryan is

From: Kevin Bogardus [mailto:kbogardus@eenews.net]
Sent: Wednesday, April 11, 2018 10:16 AM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Cc: Bowman, Liz <Bowman.Liz@epa.gov>
Subject: Re: Story behind two EPA ethics memos

Below is what I would like to use from Ryan in my story. It would be great to have all three quotes from you on the record, Ryan. Is that okay with you, Ryan and Liz?

Quote 1

Jackson had a different characterization of his Thursday afternoon conversation with Fugh. He said it was more than a passing reference to Pruitt's condo lease and he is frequent contact with the senior ethics counsel.

"I work with Justina more often than she would probably like on a variety of personnel issues. She is always the first person I call. In fact, because I have had to work with her so often on personnel, vetting, recusal, and disclosure issues, I've recently assigned two more individuals specifically to help her do her job," Jackson said.

Quote 2

Jackson said he was unaware that Fugh was troubled by the process but was heartened that Minoli said he felt no pressure in drafting the first memo.

"In fact, both proffered a number of ideas evaluating the situation. Kevin offered to draft the original memo. The longer memo was demonstrating his analysis. Kevin also offered a statement explaining why we issued two."

Quote 3

Jackson said it was vital that reporters reviewed Pruitt's condo lease and canceled checks that Thursday night. He also noted Fugh helped provide context to that coverage.

"Although later in the evening, it was very important to ensure that immediate coverage of this situation included that a lease was signed with proof of payment. That was very important," Jackson said.

"So important that Justina stepped out of a movie with her family to speak to a reporter which provided a needed perspective for the coverage being issued that night. That perspective was later placed in the two memos."

Sent from my iPhone

On Apr 11, 2018, at 9:46 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

> That's fine.
>
> ---
>
> **From:** Bowman, Liz
> **Sent:** Wednesday, April 11, 2018 9:29 AM
> **To:** Kevin Bogardus <kbogardus@eenews.net>
> **Cc:** Jackson, Ryan <jackson.ryan@epa.gov>
> **Subject:** Re: Story behind two EPA ethics memos
>
> Thanks, Kevin. Can you please send them along and we will take a look?
>
> Sent from my iPhone
>
> On Apr 11, 2018, at 9:23 AM, Kevin Bogardus <kbogardus@eenews.net> wrote:
>
>> Many thanks, Ryan and Liz. This is a huge help. I really appreciate you getting back to me so quickly.
>>
>> Liz, I will get your statement in the story. Thanks again.
>>
>> Also, thanks Ryan for sharing your thoughts. I would very much like to put some of your statements on background if not on the record in my story. I want to have as many voices as possible in the story, and yours is an important one. I'm on my way into office and once there, I will send back what I would like to use from you, Ryan. If you don't feel comfortable with me using any of the statements I pick, please let me know and I won't use them.
>>
>> Also, for your information, regarding Justina's previously released statement, it was in this Washington Post story (https://www.washingtonpost.com/news/energy-environment/wp/2018/04/05/top-epa-ethics-official-says-he-lacked-key-facts-about-pruitts-condo-rental/) and my story, both from last week (https://www.eenews.net/greenwire/2018/04/06/stories/1060078391)
>>
>> Talk to you soon. Thanks again for your help.
>>
>> -Kevin
>>
>> Sent from my iPhone
>>
>> On Apr 11, 2018, at 9:02 AM, Bowman, Liz <Bowman.Liz@epa.gov> wrote:
>>
>>> Hi Kevin – Thank you for the additional time to respond. Below, please find our statement for the record:

"We fully support and stand by our Agency ethics officials; EPA employees – both career and political – depend on their advice and we greatly appreciate their professionalism on this, and other matters. It is not the Agency's policy to discuss internal legal deliberations," EPA Spokesperson Liz Bowman.

From: Jackson, Ryan
Sent: Wednesday, April 11, 2018 8:58 AM
To: kbogardus@eenews.net
Cc: Bowman, Liz <Bowman.Liz@epa.gov>
Subject: FW: Story behind two EPA ethics memos

Kevin, Liz is cc'd and is sending you a statement for the record for your story. Here is some additional information from me off the record so you have a little more context at least from my perspective. If you want to use any of it, call us and we can talk about using it on background or on the record. I want to coordinate this through Liz.

I don't have problems with that timeline. I think that's generally correct. However, March 29 mentioning something in passing to Justina is never what I do. I work with Justina more often than she would probably like on a variety of personnel issues. She is always the first person I call. In fact, because I have had to work with her so often on personnel, vetting, recusal, and disclosure issues, I've recently assigned two more individuals specifically to help her do her job.

Additionally, if Justina described being troubled which she's not mentioned to me, that is something I would take very seriously. I would not want to do that. I am glad Kevin mentioned he did not feel pressured because that was not the intent either. In fact, both proffered a number of ideas evaluating the situation. Kevin offered to draft the original memo. The longer memo was demonstrating his analysis. Kevin also offered a statement explaining why we issued two.

Although later in the evening, it was very important to ensure that immediate coverage of this situation included that a lease was signed with proof of payment. That was very important. So important that Justina stepped out of a movie with her family to speak to a reporter which provided a needed perspective for the coverage being issued that night. That perspective was later placed in the two memos.

From: Kevin Bogardus [mailto:kbogardus@eenews.net]
Sent: Tuesday, April 10, 2018 5:56 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: FW: Story behind two EPA ethics memos

Ryan,

Hi, it's Kevin Bogardus with E&E News.

I'm working on a story about how EPA's two ethics memos related to Administrator Pruitt's condo lease came to be. I have spoken with people familiar with recent events related to Administrator Pruitt's condo lease and have reported out a timeline of what happened internally at EPA in drafting the two memos, describing what people said in meetings and in internal emails. You are mentioned by name at several points in the story. Please see my reported out timeline of the process behind the two memos as well as the questions I have below in my email to EPA press officials.

Please let me know if you have any thoughts. My deadline is 12:30 pm EST Wednesday, April 11, but the sooner you get back to me, the more it helps my reporting. Thank you for your help.

Kevin Bogardus
E&E News reporter
kbogardus@eenews.net
Ex. 6
202-737-5299 (f)

Follow me @KevinBogardus

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EnergyWire, ClimateWire, E&E Daily, Greenwire, E&ENews PM

From: Kevin Bogardus
Sent: Tuesday, April 10, 2018 5:53 PM
To: Liz Bowman <Bowman.Liz@epa.gov>; John Konkus <konkus.john@epa.gov>; ferguson.lincoln@epa.gov; Jahan Wilcox <wilcox.jahan@epa.gov>; abboud.michael@epa.gov; hewitt.james@epa.gov; block.molly@epa.gov; daniell.kelsi@epa.gov; Press@epa.gov
Subject: Story behind two EPA ethics memos

Hey everyone,

It's Kevin Bogardus with E&E News.

I'm working on a story about how EPA's two ethics memos related to Administrator Pruitt's condo lease came to be. I have spoken with people familiar with recent events related to Administrator Pruitt's condo lease and have reported out a timeline of what happened internally at EPA in drafting the two memos, describing what people said in meetings and in internal emails. I will also include an on-the-record statement that EPA Senior Counsel for Ethics Justina Fugh shared with reporters last week saying she was "troubled" by the process as well as on-the-record statements given to me from Principal Deputy

General Counsel Kevin Minoli where he acknowledges the process was tense but says he felt no pressure and the memo was his own work and that he released a second memo to show the factual basis for his work. I am interested in your thoughts on what happened during this process.

First, below is the timeline I have reported out. Please let me know if you believe anything is inaccurate.

- Afternoon, March 29: EPA Chief of Staff Ryan Jackson has a discussion with EPA Senior Counsel for Ethics Justina Fugh, where he mentions in passing that Administrator Pruitt had a condo lease where rent was $50 per night for one room and the landlord was a lobbyist friend. Fugh also indicates to Jackson that since Administrator Pruitt paid rent, it may not be a gift under ethics rules.

- Evening, March 29: General Counsel Matt Leopold talks to Minoli about Administrator Pruitt's condo lease. Minoli said he needed to look at the federal ethics regulations. Minoli also was not shown Administrator Pruitt's condo lease or his canceled checks that night.

- Evening, March 29: Leopold then left Minoli in Minoli's office and called Fugh on her cell phone.

- Evening, March 29: Fugh is in a movie theater when her cell phone buzzes. She texts back to see who it is and finds out it is Leopold. She goes out into the movie theater's lobby and gets on the phone with Leopold, and Jackson joins in the call as well. Leopold doesn't tell Fugh that he had already spoken with Minoli.

- Evening, March 29: On the phone call, Fugh is read portions of Pruitt's lease, including that Administrator Pruitt only paid for the nights he stayed in the condo. She is also read out dates and amounts from Administrator Pruitt's canceled checks to her. Then Leopold and Jackson say Fugh is needed to be interviewed on the record by reporters right away. Bloomberg News posts its story online, where their reporters interviewed Fugh, a few minutes before midnight that night (https://www.bloomberg.com/news/articles/2018-03-30/epa-chief-s-50-a-night-rental-said-to-raise-white-house-angst).

- Afternoon, March 30: Fugh is called into a meeting with Leopold. Jackson and Senior Strategic Communications Adviser Jahan Wilcox are also there. Minoli joins the meeting as well.

- Afternoon, March 30: Fugh learns of new facts in the meeting, including Administrator Pruitt's personal security detail breaking into the condo after Administrator Pruitt had fallen ill and gone home to take a nap, which is why he was not answering his security detail's calls, and Administrator Pruitt's daughter had stayed with him in the condo while she clerked this past

summer at the White House counsel's office. Jackson remarks at one point in this meeting that he had helped secure Administrator Pruitt's daughter the White House internship.

- Afternoon, March 30: Fugh and Minoli also review in person for the first time Administrator Pruitt's condo lease and canceled checks in this meeting.

- Afternoon, March 30: Fugh begins helping Minoli work on what becomes his March 30 memo stating Administrator Pruitt's lease wasn't a gift under federal ethics rules. Leopold also advises at request at times. Minoli soon signs it and it is released to reporters that evening.

- Evening, April 2: Minoli sends an internal email to EPA press aides raising concerns about how his memo is being messaged in the media, linking to this New York Times story related to an Enbridge pipeline that won EPA approval (https://www.nytimes.com/2018/04/02/climate/epa-pruitt-pipeline-apartment.html). The following quotes from Minoli's email have been described to me and I will be using them in my story:

  "Today was the first day where I saw articles asking about specific actions the agency or the Administrator may have taken that have some alleged or real connection to the people [sic] were connected to the apartment."

  "The memo from Friday in no way speaks to those actions, either by in [sic] endorsing them or calling them in the question [sic]."

  "The memo cannot be cited in response to questions raised about actions other than signing the lease and living in the space consistent with the lease."

- Morning, April 3: Associate Administrator for Public Affairs Liz Bowman replies to Minoli in an email. The following quote from Bowman's email has been described to me and I will be using it in my story:

  "Hi Kevin, this statement was approved by Matt, based on what the administrator told us to communicate. Thanks - Liz."

- Evening, April 4: Minoli's second memo is released.

Second, I have a few questions, which are:

- Why did Leopold not tell Fugh on the evening of March 29 that he had already spoken to Minoli that same night?

- Why did reporters review Administrator Pruitt's condo lease and canceled checks before Fugh and Minoli did for the first time on the afternoon of Friday, March 30?

- Considering Administrator Pruitt signed the condo lease in February 2017, why didn't he have EPA ethics officials review the lease then, rather than more than a year later?

Please get back to me as soon as possible. My deadline is 12:30 pm EST Wednesday, April 11, but the sooner you get back to me, the more it helps my reporting. Thank you for your help.

Kevin Bogardus
E&E News reporter
kbogardus@eenews.net
Ex. 6
202-737-5299 (f)

Follow me @KevinBogardus

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Message

From: Ross Eisenberg [REisenberg@nam.org]
Sent: 4/10/2018 7:30:12 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: FW: Manufacturers Support Andrew Wheeler for EPA Deputy Administrator

---

From: Ross Eisenberg, NAM <Ross.E.Eisenberg@nam.org>
Sent: Tuesday, April 10, 2018 3:18 PM
To: Ross Eisenberg <REisenberg@nam.org>
Subject: Manufacturers Support Andrew Wheeler for EPA Deputy Administrator

Dear Senator:

I write to bring to your renewed attention the letter below, signed by 60 national and state business associations representing virtually the entire U.S. economy, supporting the confirmation of Andrew Wheeler for Deputy Administrator of the Environmental Protection Agency (EPA).

Very truly yours,

Ross Eisenberg
Vice President, Energy and Resources Policy
National Association of Manufacturers
Ex. 6
Email: reisenberg@nam.org

From: Ross Eisenberg, NAM <Ross.E.Eisenberg@nam.org>
Sent: Thursday, November 09, 2017 11:08 AM
Subject: Manufacturers Support EPA Nominees

November 9, 2017

The Honorable Mitch McConnell
Majority Leader
United State Senate
Washington, DC 20510

The Honorable Charles Schumer
Democratic Leader
United States Senate
Washington, DC 20510

Dear Majority Leader McConnell and Democratic Leader Schumer:

We are writing on behalf of millions of businesses, large and small, to ask you to schedule votes to confirm the pending nominees for senior leadership positions at the United States Environmental Protection Agency (EPA). Our organizations represent many major sectors of the American economy—including aerospace, agriculture, apparel, automotive, building and construction materials, chemical and raw material production, consumer and industrial goods, distribution, electronics, energy, equipment manufacturers, food and grocery, footwear, healthcare products and medical technology, information technology, mining and metals, paper and wood products, plastics, retail, storage, tire manufacturers, and travel goods.

The mission of the EPA is to protect human health and the environment. However, more than nine months into the new Administration, the EPA lacks Senate-confirmed Deputy and Assistant Administrators to carry out this mission. The EPA's activities have a significant impact on each of our industries, the products we make or the services we provide, and the tens of millions of workers we represent. It is therefore of significant importance to our groups that EPA is appropriately and fully staffed. This holds especially true for individuals in key leadership positions.

To ensure that EPA's vast workload can be efficiently and effectively achieved and implemented, we urge you to move expeditiously towards confirmation for the following nominees:

- Susan Bodine, for EPA Assistant Administrator, Office of Enforcement and Compliance Assurance
- Michael Dourson, for EPA Assistant Administrator, Office of Chemical Safety and Pollution Prevention
- Matthew Leopold, for EPA Assistant Administrator, Office of General Counsel
- David Ross, for EPA Assistant Administrator, Office of Water
- William Wehrum, for EPA Assistant Administrator, Office of Air and Radiation
- Andrew Wheeler, for EPA Deputy Administrator

We appreciate your assistance in this important and timely matter.

Sincerely,

American Chemistry Council
American Coke and Coal Chemicals Institute
American Composites Manufacturers Association
American Fiber Manufacturers Association
American Forest & Paper Association
American Foundry Society
American Fuel & Petrochemical Manufacturers
American Home Furnishings Alliance
American Iron & Steel Institute
American Supply Association
American Wood Council
Arizona Manufacturers Council
Associated Industries of Missouri
Brick Industry Association
Can Manufacturers Institute
Colorado Association of Commerce and Industry
Connecticut Business & Industry Association
CropLife America
Flexible Packaging Association
Georgia Association of Manufacturers
Glass Packaging Institute
Global Cold Chain Alliance
INDA, Association of the Nonwoven Fabrics Industry
Industrial Fasteners Institute
Institute of Makers of Explosives
International Fragrance Association North America

International Housewares association
Interstate Natural Gas Association of America
IPC - Association Connecting Electronics Industries
Kansas Chamber of Commerce
Louisiana Association of Business and Industry
MPIF
MSCI
National Association of Chemical Distributors
National Association of Manufacturers
National Lime Association
National Marine Manufacturers Association
National Mining Association
National Oilseed Processors Association
National Precast Concrete Association
National Shooting Sports Foundation
National Wooden Pallet and Container Association
Nebraska Chamber of Commerce & Industry
Nevada Manufacturers Assn
New Mexico Business Coalition (NMBC)
Northeast PA Manufacturers & Employers Asso.
Ohio Manufacturers' Association
Oregon Women In Timber
Plastics Pipe Institute
Plumbing Manufacturers International
Polyisocyanurate Insulation Manufacturers Association
Portland Cement Association
Rhode Island Manufacturers Association
Society of Chemical Manufacturers and Affiliates (SOCMA)
South Carolina Chamber of Commerce
The Aluminum Association
The Fertilizer Institute
U.S. Chamber of Commerce
U.S. Tire Manufacturers Association
Vinyl Institute

cc: U.S. Senate

Message

From: ECOS [ecos=ecos.org@mail104.atl161.mcsv.net]
on behalf of ECOS [ecos@ecos.org]
Sent: 4/13/2018 6:50:41 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: ECOS Members Testify on Cooperative Federalism, U.S. EPA Retains NOx Standards, & More

ECOS Members Testify on Cooperative Federalism, U.S. EPA Retains NOx Standards, & More

ECOSWIRE | Vol. 20 No. 15

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ECOSWIRE

Friday, April 13, 2018
Vol. 20 No. 15

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ECOS Members Testify before Senate on Cooperative Federalism under Clean Air Act

On April 10, ECOS members testified in the Senate at a hearing entitled *Cooperative Federalism Under the Clean Air Act: State Perspectives*. The discussion before the Environment and Public Works Clean Air and Nuclear Safety Subcommittee spotlighted state perspectives on relations with U.S. EPA.

ECOS members Matthew Rodriquez, Secretary of the California Environmental Protection Agency, and Shaw Garvin, Secretary of the Delaware Department of Natural Resources and Environmental Control, delivered testimony. They were joined by Sean Alteri, Director of the Division of Air Quality at the Kentucky Department of Environmental Protection;

Toby Baker, Commissioner of the Texas Commission on Environmental Quality; and Nancy Vehr, Administrator of the Division of Air Quality of the Wyoming Department of Environmental Quality.

State representatives addressed their agencies' current working relationships with EPA on matters including regional haze, state implementation plans, and fuel efficiency targets.

"...[C]ooperative federalism is invaluable, when it works well, by empowering states to act under federal law and allowing communities to enjoy the benefits of state innovation," said Garvin. "Positive outcomes can occur when the federal government works alongside states to determine best methods to continue progress toward clean air, provides the resources that the states need to enforce their regulations, and steps in when a state fails to meet its obligations."

Witness testimony and a video of the hearing can be viewed on the Senate website. [Poole/Parisien]

U.S. EPA to Retain NOx Standards While Promoting 'Efficient and Cost-Effective' Implementation

EPA has announced that it will retain, without revision, the health-based or primary National Ambient Air Quality Standards (NAAQS) for nitrogen oxide (NOx). Based on a review of scientific evidence including information available from analyses of potential nitrogen dioxide (NO2) exposures, EPA will maintain the current one-hour and annual primary NO2 standards.

EPA reports that there continues to be strong scientific evidence that short-term exposures to NO2, the notable component in NOx, can worsen asthma symptoms in people with the disease. The agency finds that the current standards protect the public health with an adequate margin of safety, and that the available evidence does not support revising those standards in order to provide a different degree of public health protection. EPA also notes that there currently are no monitors with design values exceeding either the one-hour or annual standard.

On the heels of EPA's decision, President Trump on April 12 issued a memorandum directing EPA to ensure "efficient and cost-effective" implementation of air quality standards under NAAQS and regional haze programs of the Clean Air Act. "This memorandum helps ensure that EPA carries out its core mission, while reducing regulatory burdens for domestic manufacturing," said EPA Administrator Scott Pruitt.

Among other actions prescribed, the memo directs EPA to: establish an 18-month deadline for final EPA decisions on state implementation plans; review the NAAQS permitting process for possible changes; issue guidance on implementing air standards alongside finalization of such standards; and quickly process states' claims for NAAQS violation waivers. [Poole/Parisien]

Meghreblian Tapped to Serve as Tennessee Environmental Commissioner

Tennessee Governor Bill Haslam this week named Dr. Shari Meghreblian Commissioner of the Department of Environment and Conservation (TDEC), effective May 1. Meghreblian has served as Deputy Commissioner for the department since 2011 and as Chair of the ECOS Federal Facilities Forum since 2013. She succeeds Bob Martineau, who announced last week his return to the private sector.

According to Haslam, Meghreblian "has been instrumental in the success of various environmental programs during her time at TDEC, including ensuring statewide compliance with federal air quality standards for particle pollution and ozone" for the first time in more than two decades.

Meghreblian recently helped connect leaders from federal, state, and local governments; industry; academia; environmental advocacy groups; and public utilities as they work to develop a statewide plan addressing future water availability in Tennessee. The plan, TN H2O, will include an assessment of current water resources and recommendations to help ensure Tennessee has adequate water resources to support future economic growth.

Meghreblian has more than 20 years of combined experience in private sector manufacturing and environmental management systems. She holds a Ph.D. in Environmental Management and a Master's in Engineering from Vanderbilt University, and a Bachelor of Science in Marketing/Economics from Western Kentucky University.

[Parisien]

Paylor Reappointed to Virginia Environmental Director Post

In an announcement coinciding with the 25th anniversary of the Virginia Department of Environmental Quality (DEQ), Governor Ralph Northam has reappointed David Paylor as the agency's Director. Paylor previously was appointed by Governor Terry McAuliffe in 2014, Governor Bob McDonnell in 2010, and Governor Timothy Kaine in 2006. He has served as ECOS President and currently is President of the Environmental Research Institute of the States.

His state career began in 1973 with the State Water Control Board and continued with DEQ. [Parisien]

Senate Confirms Wheeler as U.S. EPA Deputy Administrator

This week, the Senate voted 53-45 to confirm Andrew Wheeler as U.S. EPA Deputy Administrator.

Wheeler currently works as a Principal at FaegreBD Consulting, providing guidance on federal regulatory and legislative environmental and energy issues. He also spent several years on Capitol Hill, having served as General Counsel to U.S. Senator James Inhofe and on the Senate Environment and Public Works Committee and the Subcommittee for Clean Air Wetlands and Nuclear Safety. He also spent four years at EPA's Office of Pollution Prevention and Toxics. [Parisien]

State News You Can Use

Pennsylvania Launches Community Clean Water Toolbox for Chesapeake Bay Watershed

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Iowa Partnerships Help Trout Thrive Again in Two Streams

Need-to-Know News in Water & Air

U.S. EPA and the Corps Send Supplemental Proposal to OMB on CWA Repeal

Area of Focus: *Water*

EPA and the Army Corps of Engineers have submitted a "supplemental proposal" for review by the White House Office of Management and Budget regarding the agencies' pending repeal of the Obama-era Clean Water Act jurisdiction rule. The supplemental proposal will seek public comment.

It is unclear how this process might affect the timelines for finalizing repeal of the 2015 rule and proposing a new draft rule. [Piper]

U.S. EPA Announces Funding for Small Water Systems

Area of Focus: *Water*

This week, U.S. EPA announced the award of $25.4 million to train and assist small drinking water and wastewater systems from its FY 2017 and FY 2018 appropriations. The

money will fund training and technical assistance to achieve and maintain compliance with the Safe Drinking Water Act, improve operational performance, and help inform private drinking water well owners about protecting their drinking water supply and improving water quality. It will also help system operators identify when critical infrastructure upgrades are needed and how EPA can help support those efforts.

The grantees are the National Rural Water Association, Rural Community Assistance Partnership, and University of North Carolina at Chapel Hill (on behalf of the Environmental Finance Center Network). [Piper]

EPA Requests Comments on CWA Coverage of Discharges via Hydrologic Connection

Area of Focus: *Water*

U.S. EPA is seeking comment on the agency's previous statements regarding whether pollutant discharges from point sources that reach jurisdictional surface waters via groundwater or other subsurface flow that has a direct hydrologic connection to the jurisdictional surface water may be subject to Clean Water Act regulation. Specifically, EPA requests comment on whether the agency should consider clarifications or revisions.

Currently, this matter is also being addressed in the courts. The U.S. Court of Appeals for the Ninth Circuit recently denied an en banc review of its holding that the County of Maui violated the Clean Water Act with its groundwater management practices.

Comments on Clean Water Act Coverage of Discharges of Pollutants via a Direct Hydrologic Connection to Surface Water are due May 21. For more information, please contact Kelly Poole of ECOS. [McGinn/Parisien]

Annual U.S. EPA Inventory Shows Decline in GHG Emissions

Area of Focus: *Air*

On April 12, U.S. EPA published the annual *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*. Total net 2016 greenhouse gas (GHG) emissions, incorporating land sector contributions, were 2.5% below 2015 levels, 12.1% below 2005 levels, and 4.7% above 1990 levels.

Each year since 1993, EPA has prepared the inventory to provide comprehensive information on national-level emissions of carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride. The report fulfills an obligation under the United Nations Framework Convention on Climate Change. [Parisien]

Upcoming Events

ECOS Calls

Shale Gas Caucus

The ECOS Shale Gas Caucus (SGC) will host a webinar on **April 25 at 2-3 p.m. Eastern** on Alternative Management of Produced Water. Moderated by SGC Co-Chairs David Glatt of North Dakota and Martha Rudolph of Colorado, the call will spotlight research and experiences of the Environmental Defense Fund, Groundwater Protection Council, and Southwestern Energy.

Calendar invitations have been sent to SGC members. For more information or to join the caucus, please contact Lia Parisien or Connor MacCartney of ECOS. [Parisien]

Webinars

U.S. EPA on Deconstruction and Building Materials Reuse

U.S. EPA will host a sustainable materials management webinar on **April 19 at 1-2:30 p.m. Eastern**. The webinar will focus on innovations and opportunities for deconstruction and building materials reuse. Deconstruction and building materials reuse policies and projects conserve resources, divert demolition debris from disposal, and advance the highest and best end-of-life uses of building materials while also creating job training and green job opportunities. The webinar will explore the success of Portland's model

deconstruction policies and insights from a successful deconstruction and reuse leader.

To register, see here. [Longsworth]

ITRC on Remediation Management of Complex Sites

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course on Remediation Management of Complex Sites on **April 26 at 1-3:15 p.m. Eastern**.

At some sites, complex site-specific conditions make it difficult to fully remediate environmental contamination. Both technical and nontechnical challenges can impede remediation and may prevent a site from achieving federal- and state-mandated regulatory cleanup goals within a reasonable time frame. After attending this training, participants will be able to: identify and integrate technical and nontechnical challenges into a holistic approach to remediation; use the Remediation Potential Assessment to identify whether adaptive site management is warranted due to site complexity; understand and apply adaptive site management principles; and develop a long-term performance-based action plan.

Learn more and register here. [Olonoff]

U.S. EPA on Emerging Sensor Technologies Report

U.S. EPA's Air and Energy National Research Program will host two webinar sessions to update stakeholders on its Emerging Sensor Technologies 2014-2018 Progress Report. The identical sessions will be held on **April 30 at 8:30-11:30 a.m. Eastern** and **1:30-4:30 p.m. Eastern**, and will summarize general findings across a broad base of the agency's air sensor research activities over the past several years.

The first two hours of each session will feature presentations by EPA Sensor Performance Evaluation and Application Research team members on topics such as sensor evaluations, data analytics, ammonia detection, citizen science, and detection of select emission sources. The final portion of each session will be a question and answer period.

To register, see here. [Longsworth]

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Message

From: dawn reeves [dawn.reeves@iwpnews.com]
Sent: 4/13/2018 2:46:17 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: pinging you

Hi Ryan,

It's Dawn Reeves at Inside EPA. A little birdie said you might want to have a chat and I want to give you my contact if that is the case. Any ground rules you like.
Ex. 6 is my cell.
Hope to hear from you!
Dawn

Message

From: Javier Ortiz [jortiz@falconcyber.com]
Sent: 4/12/2018 8:07:20 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Greenwalt, Sarah [greenwalt.sarah@epa.gov]; Wooden-Aguilar, Helena [Wooden-Aguilar.Helena@epa.gov]; Munoz, Charles [munoz.charles@epa.gov]; Kelly, Albert [kelly.albert@epa.gov]; Hitchens, Lynnann [hitchens.lynnann@epa.gov]
Subject: Non-profit organizations, citizen activists mobilize in face of Puerto Rico's waste crisis

https://www.accuweather.com/en/weather-news/non-profit-organizations-citizen-activists-mobilize-in-face-of-puerto-ricos-waste-crisis/70004672

Hello Ryan, good afternoon. Hope this note finds you well.

As you may recall, I serve the Puerto Rico Economic Recovery Initiative, Inc. Executive Director. Post Hurricane Maria, we have been focused on helping policymakers understand issues in Puerto Rico and also community with communities at large on how to help with Puerto Rico's recovery.

The waste management issue is having a major negative impact.

Might you kindly connect with the appropriate EPA folks who can help us understand the challenges and opportunities lying ahead for Puerto Rico?

Thank you for all your help!

With kind regards,
-j

- - - - - - - - - - - - - -
Javier Ortiz
Exeuctive Director
www.FixPuertoRico.org

Partner
Falcon Cyber Investments, LLC
Ex. 6
E: jortiz@falconcyber.com
www.FalconCyber.com

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Message

From: Horner, Elizabeth (EPW) [Elizabeth_Horner@epw.senate.gov]
Sent: 4/23/2018 9:56:43 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE:

Thanks

From: Jackson, Ryan <jackson.ryan@epa.gov>
Sent: Monday, April 23, 2018 4:23 PM
To: Russell, Richard (EPW) <Richard_Russell@epw.senate.gov>; Horner, Elizabeth (EPW) <Elizabeth_Horner@epw.senate.gov>
Subject:

Folks, I wanted to provide you with information which your members may find useful now or for future hearings.

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency
Ex. 6

Message

From: Lorman Education [customerservice@lormaneducationservices.com]
Sent: 4/3/2019 9:12:29 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: GASB 73, 74, and 75 Statement Overview

OnDemand Webinar

GASB 73, 74, and 75 Statement Overview

Are you prepared for the new GASB statement requirements that may result in larger liabilities?

States and local governments face increasing challenges with accounting and financial reporting for pensions and other postemployment non-pension benefits (OPEB). Having settled in with GASB statements 67 and 68 for pensions and GASB statements 43 and 45 for OPEB, GASB changed and complicated the accounting and financial reporting rules over the past three years with GASB statements 73, 74 and 75. The new GASB statements require actuarial calculations, assumptions projections and new disclosures that result in larger liabilities than previously calculated under superseded GASB statements and, including these larger liabilities in balance sheet and income statements, no longer hidden in the notes of financial statements. Are investors better protected under the information required by GASB statements 73, 74 and 75? How will budgets need to be revised to comply with the new GASB statements? Will state/local government failure to comply give rise to failure to disclose material information, the risk of securities fraud liability through SEC investigation, or difficulty or additional expense in accessing capital market for public infrastructure? Asking these questions shed light on likely answers.

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Lorman Education Services | 2510 Alpine Rd. | Eau Claire, WI | 54703
This commercial email was sent to jackson.ryan@epa.gov. Unsubscribe. Call 1-866-352-9539 for assistance.

Message

From: Russell, Richard (EPW) [Richard_Russell@epw.senate.gov]
Sent: 4/12/2018 7:58:37 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: Roll Call Vote Alert

Richard Russell
Staff Director
Committee on Environment & Public Works

Begin forwarded message:

From: Cloakroom <**subscriptions_cloakroom@rep-secretary.senate.gov**>
Date: April 12, 2018 at 3:57:18 PM EDT
To: Undisclosed recipients:;
Subject: Roll Call Vote Alert
Reply-To: Cloakroom <**subscriptions_cloakroom@rep-secretary.senate.gov**>

Vote Alert

THURSDAY, APRIL 12, 2018 AT 03:57 PM

Roll Call Vote Alert

15 minute roll call vote on the confirmation of Executive Calendar #666, Andrew Wheeler, of Virginia, to be Deputy Administrator of the Environmental Protection Agency.

Vote alerts are sent from the Senate Republican Cloakroom using the telephone alert system. An E-mail copy is sent to offices and posted on Trunkline (**http://gop.senate.gov**) as a convenience, but primary notification will always come via telephone. If you have questions about vote alerts, wrap up memos, unanimous consent items or other floor scheduling matters, please call the Cloakroom at (202) 224-6191. Please do not reply to this message.

To change your Trunkline email subscriptions, please visit your **user profile** page.

Message

From: Lyons, Troy [lyons.troy@epa.gov]
Sent: 4/12/2018 7:58:29 PM
To: Van Doren, Terry (McConnell) [Terry_VanDoren@mcconnell.senate.gov]; Palich, Christian [palich.christian@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Wheeler Confirmation Vote Just Started

Thank you!!!

From: Van Doren, Terry (McConnell) [mailto:Terry_VanDoren@mcconnell.senate.gov]
Sent: Thursday, April 12, 2018 3:58 PM
To: Lyons, Troy <lyons.troy@epa.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Wheeler Confirmation Vote Just Started

Terry Van Doren
Policy Advisor
Office of Majority Leader McConnell
Washington, DC 20510
(202) 224-3135

Message

From: Tom Davis Ex. 6
Sent: 4/11/2018 8:04:20 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: today

The new ed of ecos is speaking at 4:30
You are welcome to come for that

Sent from my iPhone

On Apr 11, 2018, at 3:58 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

> About 5:15? Or should I arrive earlier? It's fine either way.
>
> ---
>
> **From:** Tom Davis Ex. 6
> **Sent:** Wednesday, April 11, 2018 3:27 PM
> **To:** Jackson, Ryan <jackson.ryan@epa.gov>
> **Subject:** today
>
> Hi,
> What time do you think you will get to Press Club**...I will try to greet you at the front desk, 13th floor.**
>
> **Tom Davis**
>
> Ex. 6
>
> Ex. 6

Message

From: Ex. 6
Sent: 4/23/2018 9:44:17 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Hi Ryan: do you have time for a cup of coffee tomorrow afternoon?

Ex. 6

Message

From: Leah Pilconis [pilconisl@agc.org]
Sent: 4/8/2018 7:38:09 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re:

Yes, of course. I just texted you from my cell Ex. 6

Leah F. Pilconis
Senior Counsel, Environmental Law & Policy
Associated General Contractors of America
Ex. 6
pilconisl@agc.org

From: Jackson, Ryan <jackson.ryan@epa.gov>
Sent: Saturday, April 7, 2018 1:17:50 PM
To: Leah Pilconis
Subject:

Leah can I reach you this weekend? I'm at Ex. 6 Thanks.

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

Message

From: Eilperin, Juliet [Juliet.Eilperin@washpost.com]
Sent: 4/5/2018 9:13:28 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: information for you

No, all the other stuff.

From: Jackson, Ryan <jackson.ryan@epa.gov>
Sent: Thursday, April 05, 2018 5:10 PM
To: Eilperin, Juliet <Juliet.Eilperin@washpost.com>
Subject: RE: information for you

The deluge of information about AD's?

From: Eilperin, Juliet [mailto:Juliet.Eilperin@washpost.com]
Sent: Thursday, April 5, 2018 5:09 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: information for you

OK, and if you'd be willing to give me a quick call on my cell, I would be very grateful for that. Just trying to deal with the deluge, you know.

From: Jackson, Ryan <jackson.ryan@epa.gov>
Sent: Thursday, April 05, 2018 5:08 PM
To: Eilperin, Juliet <Juliet.Eilperin@washpost.com>
Subject: RE: information for you

Well, you know that I'm quite the Administratively Determined authority. I really love section 300j-10, and any other chief of staff would tell you the same.

From: Eilperin, Juliet [mailto:Juliet.Eilperin@washpost.com]
Sent: Thursday, April 5, 2018 2:47 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: information for you

Dear Ryan,
I look forward to reading both these documents. And as someone who recently had to track down a Senate floor speech from 1965, I can assure you, was no easy task.
Best, Juliet

From: Jackson, Ryan <jackson.ryan@epa.gov>
Sent: Thursday, April 05, 2018 2:43 PM
To: Eilperin, Juliet <Juliet.Eilperin@washpost.com>
Subject: information for you

[EXTERNAL EMAIL]

Juliet, attached is the actual legislative history of the 1977 Safe Drinking Water Act. It's been law since then. Also attached is Agency policy on AD's. I'm unsure how old it is, but as you can tell it's not recent and maybe has been around since 2010 thereabouts?

Some former Senate staff like me would be proud to know their 40 year old work is still being referenced. It warms my heart.

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency
Ex. 6

Message

From: Lyons, Troy [lyons.troy@epa.gov]
Sent: 4/10/2018 12:18:37 PM
To: Tomassi, Chris (Appropriations) [Chris_Tomassi@appro.senate.gov]
CC: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: May 16

Confirmed—we are good for the 16th

From: Lyons, Troy
Sent: Monday, April 9, 2018 5:51 PM
To: 'Tomassi, Chris (Appropriations)' <Chris_Tomassi@appro.senate.gov>
Cc: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: May 16

Double checking that a cabinet meeting has not been scheduled.

From: Tomassi, Chris (Appropriations) [mailto:Chris_Tomassi@appro.senate.gov]
Sent: Monday, April 9, 2018 5:46 PM
To: Lyons, Troy <lyons.troy@epa.gov>
Cc: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: May 16

Just wanted to confirm (as I mentioned I would below) that May 16 is a go. Thanks again.

Chris

From: Tomassi, Chris (Appropriations)
Sent: Friday, March 30, 2018 4:24 PM
To: Lyons, Troy <lyons.troy@epa.gov>
Cc: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: May 16

Sounds good and thanks for the quick response. I will check to make sure that arrangement works, but let's plan on the 16th at 9:30.

Thanks!
Chris

-------- Original message --------
From: "Lyons, Troy" <lyons.troy@epa.gov>
Date: 3/30/18 4:16 PM (GMT-05:00)
To: "Tomassi, Chris (Appropriations)" <Chris_Tomassi@appro.senate.gov>
Cc: "Jackson, Ryan" <jackson.ryan@epa.gov>
Subject: RE: May 16

Thanks, Chris.

The 16th works as of now unless the WH schedules a Cabinet meeting. The standard schedule is first and third Wednesday of the month which the 16th falls on but they honestly never follow that.

From: Tomassi, Chris (Appropriations) [mailto:Chris_Tomassi@appro.senate.gov]
Sent: Friday, March 30, 2018 3:14 PM
To: Lyons, Troy <lyons.troy@epa.gov>
Subject: May 16

Can you check on May 16? We are in recess on the 2nd. If that doesn't work, can you let me know some dates that would?

Message

From: Bell, Stephen A. [Stephen.Bell@nreca.coop]
Sent: 4/6/2018 9:50:56 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE:

Hi Ryan,

Glad to connect. You can reach me on my cell. Ex. 6

Stephen Bell
Director, Media and Public Relations
National Rural Electric Cooperative Association
Ex. 6
Stephen.Bell@nreca.coop

E electric.coop | T Follow | Y Watch | F Like | I View | in Connect

-----Original Message-----
From: Jackson, Ryan [mailto:jackson.ryan@epa.gov]
Sent: Friday, April 6, 2018 5:02 PM
To: Bell, Stephen A. <Stephen.Bell@nreca.coop>
Subject:

** Please use caution when clicking links or opening attachments **

Stephen, I don't believe I have your number. Can I reach you on something?

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

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Message

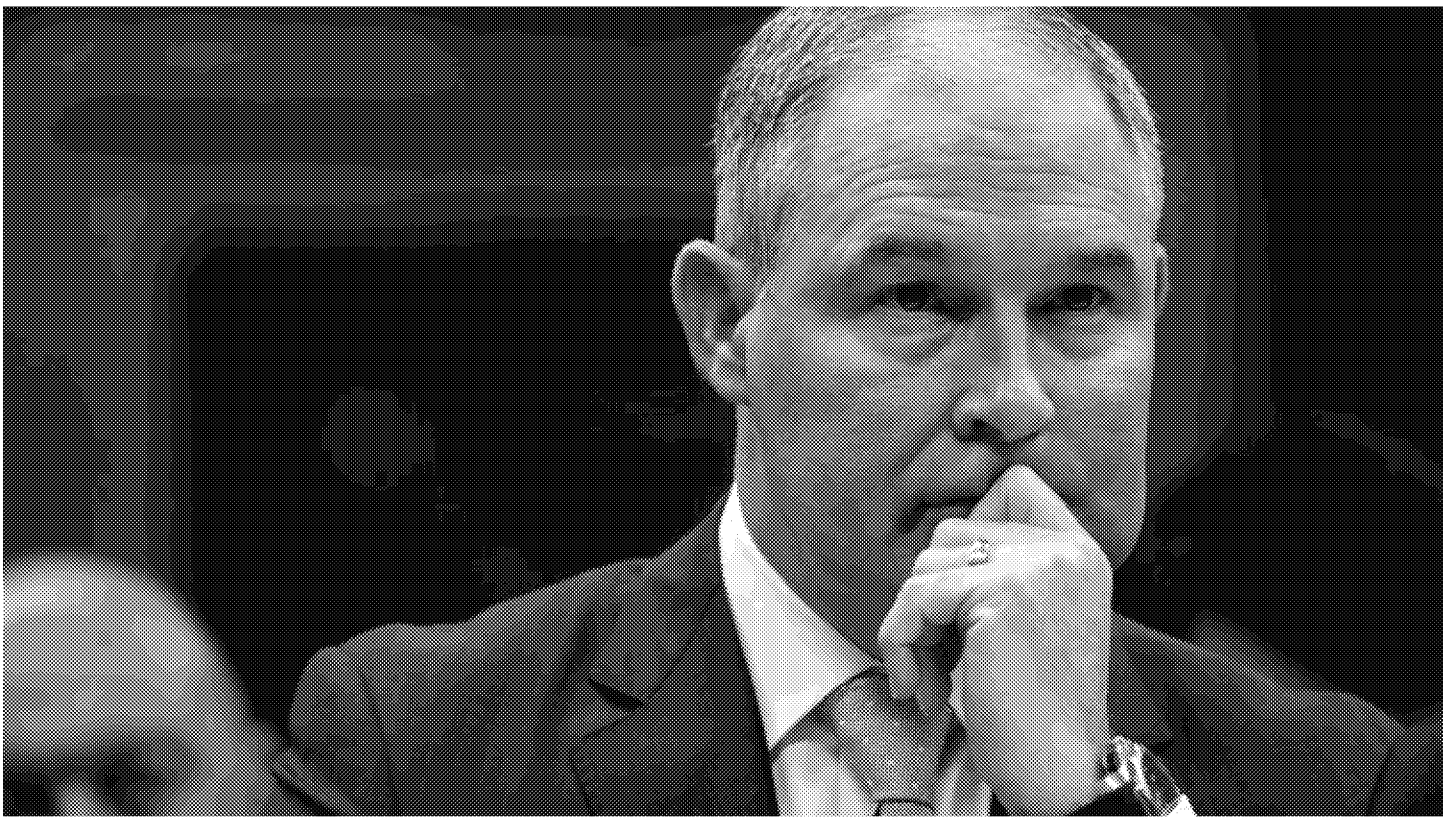
From: Ex. 6
Sent: 4/9/2018 8:09:44 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: New Questions About Scott Pruitt's Raises for EPA Aides - The Atlantic

https://www.theatlantic.com/politics/archive/2018/04/pruitt-epa-raises/557561/

An Internal Email Contradicts Scott Pruitt's Account of Controversial Raises

The EPA administrator has said he "didn't know" about unusual salary bumps given to a pair of trusted aides, but a message from one of those staffers claims otherwise.

Elaina Plott 2:51 PM ET



Aaron Bernstein / Reuters

An email that suggests Environmental Protection Agency Administrator Scott Pruitt personally signed off on a controversial pay raise for a favored aide last month is roiling the agency.

In the last few days, top staffers became aware of an email exchange between one of two aides who received such a raise and the agency's human resources division. In mid-March, Sarah Greenwalt, senior counsel to the administrator, wrote to HR in an attempt to confirm that her pay raise of $56,765 was being processed. Greenwalt "definitively stated that Pruitt approves and was supportive of her getting a raise," according to an administration official who has seen the email chain.

A second administration official confirmed the exchange. The email "essentially says, 'The administrator said that I should get this raise,'" the official told me. Both spoke on condition of anonymity in order to discuss the private correspondence. A request for comment sent to an EPA spokesman was not immediately returned.

The email began floating around the agency's top ranks after the EPA's Inspector General expanded its inquiry into Pruitt's hiring practices to include the raises, according to the two administration officials. In early March, as first reported by The Atlantic, Pruitt requested hefty salary bumps for Greenwalt and his director of scheduling, Millan Hupp. When the White House refused to sign off on the raises—$56,765 and $28,130, respectively–Pruitt used an obscure hiring authority under the Safe Drinking Water Act to grant them anyway. The provision, which allows the EPA's administrator to appoint up to 30 staffers without White House or congressional approval, was intended to help the agency bring on experts and staff up especially-stressed offices. Greenwalt and Hupp's raises went into effect on April 1, according to HR documents obtained by The Atlantic.

Now, the agency's IG is probing whether Pruitt abused that hiring authority. On Wednesday, Pruitt was pressed by Fox News's Ed Henry to respond to The Atlantic's report, but denied any knowledge of the episode. "You didn't know they got these pay raises?" Henry asked. "I didn't know they got the pay raises until yesterday," Pruitt responded.

"My jaw dropped when he said that," said the first administration official. The perception that Pruitt had gone on TV and lied, the official said, was what really scared people inside the agency.

After the interview, top aides, including Pruitt's chief of staff, Ryan Jackson, began corralling files that appeared to contradict Pruitt's statements. Both administration officials described it as a way of "getting ahead" of the IG's investigation. Greenwalt's email, however, has proved the most troubling, according to the two administration officials. "It's

an 'oh, shit' moment that they're trying to figure out before the IG finds the email," said one. "Because it'll be damn near impossible to have Sarah explain her way out of it."

On Monday, two Democratic members of the Senate's Committee on Environment and Public Works, Tom Carper and Sheldon Whitehouse, sent a letter to Pruitt citing *The Atlantic*'s previous reporting and the Fox News interview, and asking him to turn over all relevant documents and communications that might illuminate "the degree to which you were aware of, supported, directed or were otherwise involved in the decision to award Sarah Greenwalt and Millan Hupp raises" by April 20.

The scrambling comes as EPA officials are trying to tamp down the seemingly endless set of controversies plaguing the agency. On Monday, The New York Times reported that the government's top ethics official had sent a letter to the agency urging ethics staffers to take "appropriate actions to address any violations." The letter specifically addressed Pruitt's rental of a condo connected to an energy lobbyist for just $50 a night. It also touched on Pruitt's frequent trips home to Oklahoma on the taxpayer's dime. Those flights "do raise concerns about whether the administrator is using his public office for personal gain in violation of ethics rules," wrote David Apol, acting director of the Office of Government Ethics.

All of which has made for a tense workplace in the last week, according to multiple EPA officials. Despite President Trump's tweet on Saturday affirming his support for Pruitt, officials said that Pruitt's future—and thus, their own—appears tenuous. Several officials are seeking transfer to other agencies; as one official put it, "It's been very emotionally draining. The stress is unsustainable."

Added to that is what one official called the "gloating" of top political appointees, who feel that Pruitt, given Trump's vocal support, is now "bulletproof." On Friday, according to an official who witnessed the exchange, a small group of staffers, including Jackson, Greenwalt, and Hupp, joked that Pruitt, like Trump, "could stand in the middle of Fifth Avenue and shoot someone" and "get away with it."

But the discovery of Greenwalt's email exchange may upset that calculus. "One moment, people are feeling really confident," said the official who witnessed the exchange. "And the next, they're desperate to keep this email hush-hush."

Pruitt meets with President Trump today at 2:45pm in the Oval Office to discuss renewable fuels such as ethanol, according to a schedule shared with *The Atlantic*.

Ryan Jackson

Ex. 6

Message

From: Van Doren, Terry (McConnell) [Terry_VanDoren@mcconnell.senate.gov]
Sent: 4/9/2018 7:59:09 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]; Lyons, Troy [lyons.troy@epa.gov]; Palich, Christian [palich.christian@epa.gov]
Subject: Schumer floor speech today

FYI. Schumer took a shot at Andrew Wheeler at Senate opening today and also at Mr. Pruitt. Unofficial transcript is below. I only flag it FYI in case it generates any inquiries for y'all.

NOW, THIS WEEK, THE SENATE WILL CONSIDER SEVERAL NOMINATIONS, INCLUDING
THE NOMINATION OF ANDREW WHEELER TO BE DEPUTY ADMINISTRATOR AT
{15:19:29} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }
THE ENVIRONMENTAL PROTECTION AGENCY. MR. WHEELER, NOT ATYPICAL
OF THIS ADMINISTRATION, NOT ATYPICAL OF THE DENSE SWAMP THAT
THEY HAVE MADE A WHOLE LOT WORSE, IS WHAT ELSE?
AN INDUSTRY LOBBYIST WHO HAS WORKED ON BEHALF OF BIG POLLUTERS
AND CLIMATE CHANGE DENIERS. HE SPENT CAREERS WORKING TO
UNDERMINE OR LOBBY AGAINST ENVIRONMENTAL PROTECTIONS HE MAY
SOON OVERSEE. AS A LOBBYIST, HE HELPED RAISE MONEY FOR A FEW
REPUBLICAN SENATORS WHO SIT ON THE COMMITTEE THAT RECENTLY
{15:20:00} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }
APPROVED HIS NOMINATION. SWAMP?
PRESIDENT TRUMP?
YOU'RE CREATING IT. YOU'RE MAKING IT A LOT WORSE.
WHEELER'S NOMINATION FITS THE PATTERN IN THE TRUMP
ADMINISTRATION OF NOMINATING INDUSTRY LOBBYISTS TO LEAD
AGENCIES WHO ARE SUPPOSED TO BE A WATCHDOG OVER THOSE VERY
INDUSTRIES. THE NERVE IT TAKES FOR PRESIDENT TRUMP AND HIS
ALLIES TO PREACH DRAIN THE SWAMP AFTER ALL THAT THE PRESIDENT
HAS DONE TO FILL UP THE SWAMP SINCE COMING TO WASHINGTON, HIS
{15:20:31} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }
CABINET, FILLED WITH MULTIMILLIONAIRES, HEDGE FUND MANAGERS,
CORPORATE EXECUTIVES, AND FORMER LOBBYISTS WITH SPRAWLING
CONFLICTS OF INTEREST. MR. WHEELER IS ONLY THE LATEST IN A LONG
LINE OF SWAMP NOMINEES I WILL BE OPPOSING HIS NOMINATION. MR.
WHEELER'S NOMINATION SHEDS EVEN MORE LIGHT ON THE CURRENT STORM
AROUND E.P.A. ADMINISTRATOR SCOTT PRUITT. IF THERE WAS EVER
SOMEBODY WHO CHARACTERIZES THE SWAMP, IT IS SCOTT PRUITT, AND
ALL AMERICANS SHOULD BELIEVE THAT, REGARDLESS OF YOUR VIEWS ON
{15:21:04} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }
THE ENVIRONMENT OR WHETHER WIND OR SOLAR OR NATURAL GAS OR OIL
OR COAL WAS THE RIGHT FORM OF ENERGY. WHAT PRUITT IS DOING IS
JUST INCREDIBLE. IN A RELATIVELY BRIEF TENURE AT E.P.A., HE HAS
AMASSED AN EMBARRASSING LIST OF SCANDALS. HE'S ORDERED THE
CONSTRUCTION OF AN EXPENSIVE SOUNDPROOF OFFICE AT THE E.P.A.
FOR REASONS UNKNOWN WHEN NONE OF HIS PREDECESSORS, DEMOCRAT OR
REPUBLICAN, SAW ANY NEED FOR SUCH A FACILITY. HE'S TYPICALLY
FLOWN COACH WHEN PAYING FOR TRAVEL OUT OF HIS OWN POCKET BUT
{15:21:38} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }
ELECTED TO FLY FIRST CLASS WHEN THE TAXPAYERS FOOT THE BILL.
AND AFTER MOVING TO WASHINGTON, ADMINISTRATOR PRUITT RENTED AN
APARTMENT FOR A CUT-RATE PRICE FROM, GUESS WHO?
AN ENERGY LOBBYIST AND FORMER CAMPAIGN DONOR WHO REPRESENTS
MULTIPLE CLIENTS WITH BUSINESSES BEFORE THE E.P.A. DURING
PRUITT'S TENURE. THE LEVEL OF HYPOCRISY IN THIS ADMINISTRATION
IS STAGGERING. PRESIDENT TRUMP SAYS HE'S GOING TO DRAIN THE
SWAMP. PRUITT CHARACTERIZES THE SWAMP IN JUST ABOUT ALL OF HIS

ACTIONS, AND TRUMP STICKS BY HIM. YOU WANT TO DRAIN -- IF YOU

{15:22:14} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }

WANT TO DRAIN THE SWAMP, MR. PRESIDENT, GET RID OF MR. PRUITT. BUT UNFORTUNATELY, PRESIDENT TRUMP HAS STOOD BY PRUITT DESPITE OBVIOUS ABUSES OF THE TAXPAYERS' MONEY AND TRUST. WHY? WELL, HE LIKES WHAT HE'S DOING TO UNWIND CRITICAL ENVIRONMENTAL PROTECTIONS ON BEHALF OF POWERFUL INDUSTRIES. BUT THE BOTTOM LINE IS SIMPLE, MR. PRESIDENT. PRESIDENT TRUMP IS SO BEHOLDEN TO SPECIAL INTERESTS THAT SUPPORTED ADMINISTRATOR PRUITT AND HIS EXTREME ANTIGREEN, INDUSTRY-DRIVEN AGENDA THAT HE'S WILLING

{15:22:49} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }

TO TURN A BLIND EYE TO SERIOUS ETHICAL PROBLEMS. IF BIG OIL ARE HAPPY -- IF BIG OIL AND BIG GAS ARE HAPPY WITH E.P.A. ADMINISTRATOR PRUITT, SO IT SEEMS IS PRESIDENT TRUMP. IN SUPPORTING ADMINISTRATOR PRUITT, PRESIDENT TRUMP IS LOWERING THE BAR FOR GOVERNMENT ETHICS AND ACCOUNTABILITY TO THE FLOOR. WHAT ABUSE WILL PRESIDENT TRUMP NOT TOLERATE IF ADMINISTRATOR PRUITT IS ALLOWED TO CONTINUE IN HIS POSITION, DESPITE FLAGRANT GRAFT?

{15:23:25} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }

HOW CAN THE PRESIDENT WITH A STRAIGHT FACE SAY HE AIMS TO DRAIN THE SWAMP WHEN HE ALLOWS A MAN LIKE PRUITT TO STAY? HOW MUCH WILL PRESIDENT TRUMP LET ETHICAL -- LET STANDARDS FOR ETHICAL CONDUCT IN HIS ADMINISTRATION DETERIORATE? I'D SAY TO PRESIDENT TRUMP THE CORRUPTION AND INCOMPETENCE OF THIS ADMINISTRATION HAS REACHED A FEVER PITCH. MR. PRESIDENT, PRESIDENT TRUMP, IF YOU TRULY MEAN TO DRAIN THE SWAMP AND IT

{15:23:57} (MR. SCHUMER) { NOT AN OFFICIAL TRANSCRIPT }

DOESN'T SEEM THAT YOU OUGHT -- THAT YOU DO, YOU OUGHT TO FIRE ADMINISTRATOR PRUITT IMMEDIATELY. ACCEPT HIS RESIGNATION. LET HIM LEAVE, WHICH ALONE WILL CLEAN UP WASHINGTON IN A WAY THAT PRUITT HAS NOT CLEANED UP OUR ENVIRONMENT.

Terry Van Doren
Policy Advisor
Office of Majority Leader McConnell
Washington, DC 20510
(202) 224-3135

Message

From: Leah Pilconis [pilconisl@agc.org]
Sent: 4/9/2018 7:53:16 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Bennett, Tate [Bennett.Tate@epa.gov]
Subject: RE: AGC of America
Attachments: 04092018 AGC Support for Wheeler Nom to EPA FINAL .pdf

Ryan -

Please see attached.

Warm regards,

Leah

Leah F. Pilconis
Senior Environmental Counsel
AGC of America
Ex. 6 pilconisl@agc.org

STEPHEN E. SANDHERR, Chief Executive Officer

AGC of America
THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA
Building on Experience 100 YEARS

April 9, 2018

The Honorable Mitch McConnell
U.S. Senate Majority Leader
317 Russell Senate Office Building
Washington, D.C. 20510

The Honorable Chuck Schumer
U.S. Senate Minority Leader
322 Hart Senate Office Building
Washington, D.C. 20510

RE: AGC Support for Mr. Wheeler's Nomination to the Environmental Protection Agency

Dear Majority Leader McConnell and Minority Leader Schumer:

The Associated General Contractors of America (AGC) strongly supports the nomination of Mr. Andrew Wheeler deputy administrator of the U.S. Environmental Protection Agency (EPA). AGC is a national construction trade association representing more than 26,000 construction firms with chapters and members in every state, the District of Columbia and Puerto Rico. AGC chapters and members understand the importance of protecting our environment while advancing economic development.

Mr. Wheeler is an experienced and well-qualified leader on environmental and construction matters, having served in both Congress and the Executive Branch on such issues. During his tenure as a congressional aide, Mr. Wheeler served as majority staff director, minority staff director, and chief counsel at the Senate Committee on Environment and Public Works. In addition, he worked at EPA's Office of Pollution Prevention and Toxics during the George H. W. Bush and Bill Clinton administrations.

Over his professional career, Mr. Wheeler has demonstrated that he possesses the leadership and collaborative qualities needed to be a successful leader within the EPA. He recognizes that by working together, the regulated community and the agency can achieve results in further advancing and balancing environmental stewardship with economic development.

AGC looks forward to working with Mr. Wheeler on the important issue of environmental stewardship in the construction industry and continuing our positive working relationship with the EPA. As such, we urge the Senate to quickly confirm his nomination.

Sincerely,

Stephen E. Sandherr
Chief Executive Officer
Associated General Contractors of America

2300 Wilson Blvd., Suite 300 • Arlington, VA 22201-3308
Phone: 703.548.3118 • Fax: 703.837.5400 • **www.agc.org**

Message

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [anatter5@bloomberg.net]
Sent: 4/12/2018 3:38:06 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Can you send me your statement?

So what's new? Think this will die down soon? Anyword from the WH about their so-call review? And are you going to Kristina's thing tomorrow?

Sent from Bloomberg Professional for iPhone

----- Original Message -----
From: Ryan Jackson <jackson.ryan@epa.gov>
To: ARI NATTER
At: 11-Apr-2018 13:58:59

Gossip mill kind of stuff because Andy's vote is this week.

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [mailto:anatter5@bloomberg.net]
Sent: Wednesday, April 11, 2018 1:12 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Can you send me your statement?

Accurate? :)

Sent from Bloomberg Professional for iPhone

----- Original Message -----
From: Ryan Jackson <jackson.ryan@epa.gov>
To: ARI NATTER
At: 11-Apr-2018 13:08:37

I did see it.

From: Ari Natter (BLOOMBERG/ NEWSROOM:)
[mailto:anatter5@bloomberg.net]
Sent: Wednesday, April 11, 2018 12:23 PM

To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Can you send me your statement?

You see this Daily Caller story that says White House is considering replacing Pruitt with Andrew Wheeler?
http://dailycaller.com/2018/04/11/source-white-house-mulls-replacing-pruitt/

Ari Natter
Reporter
Bloomberg News

Ex. 6

@AriNatter
Stories: bloom.bg/2mBBE2I

From: jackson.ryan@epa.gov At: 04/10/18 17:51:07

To: Ari Natter (BLOOMBERG/ NEWSROOM:)
Subject: RE: Can you send me your statement?

We are sending this out shortly

EPA STATEMENT: "**We do not comment on personnel matters. The action today was based on a recommendation by the Office of Administration and Resources Management. I am not aware of any connection between the personnel matter and the document mentioned in media report.**"

- Donna Vizian, EPA Principal Deputy Assistant Administrator

From: Jackson, Ryan
Sent: Tuesday, April 10, 2018 5:45 PM
To: 'Ari Natter' <anatter5@bloomberg.net>
Subject: RE: Can you send me your statement?

Night, morning, all the time….

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [mailto:anatter5@bloomberg.net]
Sent: Tuesday, April 10, 2018 5:43 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Can you send me your statement?

And I appreciate your help. Can we do a phone call sometime? I take it you are a night owl?

Sent from Bloomberg Professional for iPhone

----- Original Message -----
From: Ryan Jackson <jackson.ryan@epa.gov>
To: ARI NATTER
At: 10-Apr-2018 17:41:43

I doubt it, but I appreciate the invitation.

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [mailto:anatter5@bloomberg.net]
Sent: Tuesday, April 10, 2018 5:40 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Can you send me your statement?

Thanks. Can you make it to our bureau party this evening?

Sent from Bloomberg Professional for iPhone

----- Original Message -----

From: Ryan Jackson <jackson.ryan@epa.gov>
To: ARI NATTER
At: 10-Apr-2018 17:35:55

The answer to your question is that there's not a connection. Frankly this is extremely coincidental. EPA is issuing a new statement shortly.

Ryan Jackson

Chief of Staff

U.S. EPA

Ex. 6

On Apr 9, 2018, at 9:40 PM, Ari Natter (BLOOMBERG/ NEWSROOM:) <anatter5@bloomberg.net> wrote:

https://www.politico.com/story/2018/04/09/pruitt-epa-raises-511112

Thanks man

Sent from
Bloomberg
Professional for
iPhone

Message

From: Brubaker, Joel (Capito) [Joel_Brubaker@capito.senate.gov]
Sent: 4/5/2018 12:25:58 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Pruitt record

Thanks

Joel Brubaker
Chief of Staff
Senator Shelley Moore Capito

On Apr 4, 2018, at 8:24 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

> One more piece of information
>
> From: Jackson, Ryan
> Sent: Tuesday, April 3, 2018 3:37 PM
> To: 'Joel_Brubaker@capito.senate.gov' <Joel_Brubaker@capito.senate.gov>
> Subject: Pruitt record
>
> Joel, as an Interior/Environment appropriator and our EPW authorizer, I'm sure your boss will receive questions concerning Pruitt. We are trying to keep things on the record over the past year. Happy to answer any questions about anything and hope the attached and following help your office with both.
>
> "In just one year, we have made tremendous progress implementing President Trump's agenda by refocusing the Agency to its core mission, restoring power to the states through cooperative federalism, and adhering to the rule of law," said EPA Administrator Scott Pruitt. "The American people can now trust that states and stakeholders will be treated as partners, and regulations will provide clarity, not confusion."
>
> The sum of these actions is monumental: In year one, EPA finalized 22 deregulatory actions, which could save Americans more than $1 billion in regulatory costs.
> By the Numbers:
> ✓ IMPLEMENTING EXECUTIVE ORDERS (E.O.): EPA quickly acted on President Donald Trump's E.O. to review the 2015 definition of "Waters of the U.S.;" President Trump's Energy Independence E.O. to propose a repeal of the so-called "Clean Power Plan;" and President Trump's "Regulatory Reform" E.O. 13777 by finalizing two deregulatory actions for each regulatory action – with ZERO net costs to the U.S. economy.
> ✓ REGULATORY REFORM: 22 deregulatory actions were finalized, which could save more than $1 billion in regulatory costs; EPA also initiated work on an additional 44 deregulatory actions and announced the reconsideration of over a dozen overreaching and burdensome regulations.
> ✓ OUTREACH: Administrator Pruitt consulted with 95 bipartisan members of Congress, 34 bipartisan governors, visited 30 states and U.S. territories, and met with over 350 stakeholder groups.
> ✓ AIR: EPA acted on 322 State Implementation Plans (SIPs) and turned one Federal

Implementation Plan (FIP) into a SIP each month since March 1, 2017.

✓ WATER: 3,000 Total Maximum Daily Loads were approved and EPA focused on the priority water bodies selected by states. EPA also: cut the amount of time it took to review state water quality standards in half (from 120 days to 60); committed $25 million in water infrastructure loans; disbursed $8.9 billion in State Revolving Funds to improve our nation's water quality; and awarded $100 million to Flint, Michigan for water infrastructure upgrades.

✓ LAND: Seven contaminated sites were eliminated, substantially or entirely, from the National Priorities List (NPL) of contaminated sites; only two sites were removed the previous year. EPA also awarded $60 million in Brownfields cleanup grants to local communities.

✓ CHEMICALS: 600 new chemical submissions were stuck in the Agency's backlog as of January 2017; EPA cleared the backlog and ensured that all new chemicals coming to market received a safety determination within about 90 days.

✓ ENFORCEMENT: In FY17, $1.6 billion was collected in administrative and civil judicial penalties, higher than any of the previous ten years, other than FY16, which included one $5.7 billion action taken. EPA also celebrated an increase in the value of commitments by private parties to clean up land to more than $1.2 billion, an increase in the total of criminal fines, restitution and mitigation to $2.98 billion, and an increase in the value of actions to improve compliance to nearly $20 billion.

For full review click here<https://www.epa.gov/sites/production/files/2018-03/documents/year_in_review_3.5.18.pdf>.

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency

Ex. 6

<Pruitt coverage highlights.docx>

Message

From: Ex. 6
Sent: 4/8/2018 6:28:15 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: Ex. 6
Attachments: Ex. 6

Sent from my iPhone

Begin forwarded message:

From: Ex. 6
Date: April 6, 2018 at 10:51:58 AM PDT
To: munoz.charles@epa.gov
Cc: Ex. 6
Subject: Ex. 6

Charles,

Per Mike's instructions, attached please find my up-to-date one-page resume. Let me know if you'd like me to prepare a more comprehensive C.V.

Respectfully,

Ex. 6

Ex. 6

Message

From: Carol Singer Neuvelt [carol@naem.org]
Sent: 4/12/2018 10:58:44 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Follow-up & Great to meet you

Hi Ryan,

Great to meet you last night at the EHS&S Roundtable dinner at the Press Club. I really appreciated learning more about the accomplishments that are happening at the EPA.

Per our discussion, NAEM can be a valuable resource to bring stakeholders together. We would welcome the opportunity to work with you on facilitating dialogues such as Lean Manufacturing that we discussed. To add some context about my organization....NAEM stands for National Association for Environmental Management. Founded in 1991, we are a non-partisan organization focused on advancing the principles and practice of corporate Environmental, Health & Safety and Sustainability management. The following are a few additional

- NAEM is a non-profit, non-advocacy professional association composed of corporate leaders of environment, health & safety and sustainability
- NAEM is the largest professional association for corporate leaders composed of almost 5000 individuals. NAEM Members primarily work within the Environmental, Health & Safety and/or Sustainability business function(s) of their respective companies. Typical business titles are manager, director and vice president
- NAEM members come from all sectors of manufacturing & retail, represent a full range of companies in the supply chain, and work for companies that have more $1B in annual revenue
- As an Association, we put on conferences, conduct in-depth research, publish case-studies and best practices in addition to facilitating active networking for our members.

Hopefully that gives you a fuller picture of NAEM's membership. In addition, we have an outreach list of about 15K. I look forward to continuing the conversation.

Best,
Carol

P.S. I think you should definitely get out more as you are a very good spokesperson for the Agency

Carol Singer Neuvelt
NAEM Executive Director
Ex. 6
www.naem.org

Message

From: Amy Harder [amy@axios.com]
Sent: 4/2/2018 9:29:24 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Investors stunned over oil producer's climate-change exemption

Investors stunned over oil producer's climate-change exemption

View this email in your browser

Good morning, my latest column has exclusive details on a new twist in the shareholder fight over climate change: http://axios.link/rRq5

Also, ICYMI, it from last week: Shell sketches a future with drastically fewer fossil fuels.

Cheers,

Amy

Investors stunned over oil producer's climate-change exemption

A new twist is unfolding in the fight between activist investors and the oil industry: an unprecedented move by federal regulators allowing a major producer to preemptively kill a shareholder resolution on climate change without a vote.

Why it matters: The Securities and Exchange Commission's support of oil producer EOG Resources is emerging as a flashpoint in what has become America's central battleground over climate change: whatinvestors do about it. It's an arcane fight, but a consequential one too, because President Trump is reversing course on climate policy.

"What the SEC has done here really feels like interfering with the marketplace, substituting their judgment for what shareholders and investors already think and do."
— *Jonas Kron, director of shareholder advocacy at Trillium Asset Management, the investment firm that filed the now-blocked resolution*

For the record, spokespeople at the SEC and EOG both declined to comment.

The details: Trillium proposed a resolution calling on EOG to set a target to reduce its greenhouse gas emissions. EOG complained to the SEC in late December that the proposal would micromanage the company, calling it a "rigid, time-bound" target, and asked to omit it from consideration.

Responding in late February, the SEC agreed and took a veiled shot at shareholders, implying they don't know enough to set company policy. The SEC sent another letter last month to Kron's firm rejecting an appeal request.

EOG is the largest oil producer in Texas, according to state data. It also has operations throughout the U.S. and a few places overseas. Kron, whose firm manages more than $2 billion in investments with a focus on sustainability, said other oil producers, like Hess Corporation, have committed to greenhouse gas reduction targets.

The big picture: The development comes ahead of this year's annual shareholder meetings that run through spring. Numerous energy companies are expected to face investor votes on non-binding, but symbolically important, climate resolutions in a process known as "shareholder democracy."

Investors, including large asset managers BlackRock and Vanguard, are putting increasing pressure on fossil-fuel companies to acknowledge the risks climate change pose to their bottom lines.

The SEC serves as a regulatory conduit for the shareholder engagement process, and it does often grant companies' requests to block proposals based on various agency rules. The situation with EOG is different for two reasons:

1. The SEC's decision came after the agency issued new legal guidance in November that appeared to some investors to broaden the definition of micromanagement, which can be grounds to block proposals.
2. The greenhouse gas target request isn't unique or new. Nearly 130 resolutions have been filed since 2010 asking companies to adopt such goals, according to The Sustainable Investments Institute, a nonprofit research group serving investors. Excluding instances of technical error, such as filing late, the SEC has never granted

company requests to block this proposal until the EOG case, said the group's executive director, Heidi Welsh.

The shift is raising questions to casual observers and experts alike: Is Trump seeking to back the oil industry and stifle climate action in a new federal arena beyond regulations? So far, the answer seems to be no, but investors are still worried about the shift.

"In this particular environment a proposal on climate change certainly has political connotations. What I suspect is going on is some skepticism about the shareholder proposal process itself. There's been a lot of pressure from the business community to reduce the number of proposals."
— Adam Kanzer, managing director at Domini Impact Investments, which manages $2.4 billion in assets

Congress could act against the shareholders, too. A House-passed bill that would roll back the Dodd-Frank financial rules includes a provision that would have significantly cut down on the number of resolutions shareholders could file. The overall bill hasn't gained much traction in the Senate.

What's next: Investors are looking for signs indicating whether the SEC's shift is broader and lasting. The agency has rejected other companies' requests to block other climate-related proposals this year, though under different rationales than claims of micromanagement.

Bottom line: "If the SEC is shifting its view on what micromanagement means, it has implications for almost any proposal you file, from human rights to the environment," said Kanzer, whose investments are not in fossil-fuel companies.

Kanzer signed a March 14 letter to the SEC along with other lawyers expressing concern about the precedent the EOG decision could set. He hasn't heard back.

Good morning all,

Check out my latest column on TK here, and it's copied below.

Cheers,

Amy

Amy
energy reporter, Axios

202.906.9629

@AmyAHarder

Want to change how you receive these emails?

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Message

From: Nolan, Rich [RNolan@nma.org]
Sent: 4/13/2018 5:03:47 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: FW: New court ruling says pollution through groundwater needs CWA permit

From: POLITICO Pro Energy <politicoemail@politicopro.com>
Sent: Friday, April 13, 2018 12:56 PM
To: Nolan, Rich <RNolan@nma.org>
Subject: New court ruling says pollution through groundwater needs CWA permit

New court ruling says pollution through groundwater needs CWA permit

By Annie Snider

04/13/2018 12:52 PM EDT

In a second victory this year for environmentalists, another appellate court has ruled that pollution from a pipeline or discharge pipe that travels through groundwater and fouls a river or lake is regulated under the Clean Water Act.

The U.S. Court of Appeal for the 4th Circuit ruled Thursday that gasoline spilled from a Kinder Morgan Energy Partners pipeline in South Carolina that traveled through groundwater to reach nearby streams was a violation of the Clean Water Act, even though the spill happened on land, not water, and the pipeline itself was repaired. The decision goes further than a February ruling from the 9th Circuit on the same issue and stands to create a major liability for industries ranging from coal utilities to agricultural producers.

The undergound Kinder Morgan pipeline ruptured in late 2014, spilling more than 369,000 gallons of gasoline in Anderson County, S.C. While much of the spill was cleaned up, environmental groups represented by the Southern Environmental Law Center alleged that at least 160,000 gallons remains unrecovered and that pollution continues to seep into two nearby tributaries of the Savannah River.

Kinder Morgan did not dispute that it was the source of the pollution, but argued that it wasn't a violation of the Clean Water Act since the 1972 law considers unauthorized pollution discharges to be a violation only if there is an ongoing discharge from a point source, and the pipeline had long since been repaired.

The court disagreed, finding that indirect discharges like those continuing from Kinder Morgan's underground gasoline plume are also covered by the federal water law.

"If the presence of a short distance of soil and ground water were enough to defeat a claim, polluters easily could avoid liability under the CWA by ensuring that all discharges pass through soil and ground water before reaching navigable waters. Such an outcome would greatly undermine the purpose of the Act," Judge Barbara Keenan, an Obama appointee, wrote for the majority.

Judge Henry Floyd, a George W. Bush appointee, dissented, concurring with Kinder Morgan's argument that because the pipeline had been repaired, the pollution was no longer coming from a point source and thus wasn't a Clean Water Act violation.

The case was initially dismissed by a district court, but the appellate court on Thursday vacated that ruling and sent the case back for further proceedings.

The new ruling comes on the heels of February's 9th Circuit Court decision that found Maui County to be in violation for injecting wastewater into underground wells that then leaked through groundwater to the Pacific Ocean without a Clean Water Act permit.

In the wake of that decision, and as similar cases largely focused on leaking coal ash ponds crop up around the country, the Trump administration's EPA has asked for public comment on whether it should create a formal policy on the issue of pollution traveling through groundwater.

To view online:
https://www.politicopro.com/energy/article/2018/04/new-court-ruling-says-pollution-through-groundwater-needs-cwa-permit-481906

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Message

From: Jill Holtzman Vogel [jh@hvjt.law]
Sent: 4/13/2018 1:48:43 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: EPA site in Front Royal

Hi Ryan,

This is Senator Jill Vogel. I represent a big chunk of the northwestern part of Virginia in the State Senate and have recently been working with a business hoping to locate in Front Royal, Virginia. They are interested in the superfund site and they, along with the local Econ Development Authority, are awaiting EPA response on this acquisition.

Who can I talk to about helping to move along? Sorry to bother you with his but I have some people impatient with me and my ability to help!! Thank you.

Jill

Jill H. Vogel
Managing Partner
Holtzman Vogel Josefiak Torchinsky PLLC

Ex. 6

https://www.hvjt.law/

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Message

From: hutchinsont@gtlaw.com [hutchinsont@gtlaw.com]
Sent: 4/11/2018 7:06:36 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: question--sorry to bother

Hi Ryan, is there is anything to this WSJ article? They don't cite sources and I am trying to determine if this is accurate and is a serious effort. Thanks- Hope you are well.- Tim

Tim Hutchinson
Senior Director
Greenberg Traurig, LLP | 2101 L Street N.W. | Washington, D.C. 20037
Ex. 6 Fax 202.261.0175
hutchinsont@gtlaw.com | www.gtlaw.com

GT GreenbergTraurig

ARTICLE FROM WSJ

U.S. Looks to Protect Domestic Car Makers From Foreign Competition
Trump administration is examining stricter enforcement of environmental rules on imported vehicles

By Timothy Puko
Updated April 6, 2018 6:45 p.m. ET

The Trump administration is pursuing ways to protect domestic vehicle manufacturing by forcing imported cars to meet stricter environmental rules when entering the country, according to senior administration and industry officials, a move that would make imports more expensive.

The cost of meeting the stiffer import standards would, at least in part, be passed along to U.S. consumers. This style of "nontariff barrier"—a protectionist stratagem the U.S. has long condemned in other countries—is designed to reduce the relative cost of cars manufactured in the U.S., by American workers, the officials said.

President Donald Trump has asked the Environmental Protection Agency and several other agencies, including the Commerce and Transportation departments, to pursue plans to use such laws as the Clean Air Act to subject cars made overseas to strict emissions-standards testing and reviews when entering the U.S. The rules could effectively require more expensive technology on some foreign cars or subject those cars to more expensive hurdles that can be billed to the manufacturer or importer.

Either option would likely raise the costs for foreign cars sold in the U.S., making domestically produced cars cheaper by comparison. This effect of raising prices on consumers is common to most nontariff barriers, which seek to penalize imports through measures other than tariffs or duties.

The initiative remains in the planning stages and still faces hurdles to implementation. EPA officials are working now to craft a legal justification that would meet a high requirement of legal rationale, given any proposal is expected to draw lawsuits. Some in the administration see the idea as too radical, and the considerable legal challenges have already delayed the plan.

The White House didn't respond to a request for comment.

Behind some of the administration's thinking is a recent scandal at Volkswagen AG , which has 3.5% of the U.S. market. The German auto giant admitted to cheating on meeting standards limiting air pollution from tailpipes in vehicles with

diesel engines. The EPA is exploring whether that scandal gives it legal justification under the Clean Air Act to set tougher rules, though it is also pursuing other alternatives that would have a broader impact.

"Reports that the president has requested input from his cabinet on possible nontariff barriers for vehicle imports to the U.S. is a bad idea and a pretext for protectionism," said John Bozzella, head of Washington lobbying group Global Automakers and spokesman for Here for America, a coalition of companies including Volkswagen, BMW AG and Daimler AG's Mercedes-Benz.

"It will increase prices for consumers and invite retaliatory actions by other countries," Mr. Bozzella said. "It is ironic the United States now appears to be legitimizing nontariff barriers after working for decades to dismantle them when used by our trading partners. We ask the president to immediately reconsider this action."

The EPA this week moved to ease emissions standards for vehicles sold in the U.S. spanning all auto makers, so any additional strictures for imported cars and trucks could put those manufacturers at a disadvantage. Volkswagen, for instance, has acknowledged using illegal software to cheat on government emissions tests in the U.S. in part because engineers couldn't design diesel-powered vehicles to meet environmental standards. Apart from tougher regulations, stricter testing regimens, too, could financially pressure vehicle importers.

U.S. auto makers and industry lobbyists have complained they are blocked from foreign markets by nontariff barriers. The U.S. car industry claims foreign auto makers face few of these barriers when shipping to the U.S., with Japan and Korea among the biggest targets of these grievances.

If the U.S. responds with barriers of its own, it would provide an incentive to shift as much manufacturing as possible into the U.S. and drive employment—a strategy that has been successful in the past. After Washington and Tokyo feuded over trade in the late 1980s and early 1990s, Japanese car makers made a concerted effort to dramatically increase production in the U.S. and to hire American workers.

Today, Japan's three big auto makers— Honda Motor Co. , Toyota Motor Corp. and Nissan Motor Co. —run a combined 11 assembly plants in the U.S., the biggest chunk of the 18 foreign assembly plants supplying the American market. Volkswagen, Korea's Hyundai Motor Co. and Kia Motors Corp. and German luxury giants Daimler AG and BMW AG also operate U.S. factories. Combined with suppliers and dealerships, the number of Americans employed by the foreign automobile sector measures in the millions.

While the White House would like the plan to apply the standards to as many countries as possible, it isn't clear if it would affect cars produced in Canada and Mexico, because they are member countries of the 1994 North American Free Trade Agreement. U.S. manufacturers rely on Nafta factories to source nearly all the products sold at American dealerships. More than 75% of Detroit's sales are trucks or sport-utility vehicles, and those typically have been sourced to local plants.

Still, one of the biggest challenges for policy makers is how to differentiate between foreign and domestic cars. Auto manufacturing is a global industry, with companies often making and shipping parts across borders for assembly elsewhere.

Roughly three-quarters of the 17.1 million vehicles sold in the U.S. are built in Nafta factories, including those in the U.S.—11 million are assembled on U.S. soil. Of the remaining nearly four million shipped from outside North America, 1.7 million come from Japan, 820,000 are shipped from Korea and about a half-million are imported from Germany.

Ford Motor Co. , General Motors Co. and Fiat Chrysler Automobiles NV have been increasingly sourcing from markets outside Nafta—and those efforts could be affected by the administration's nontariff barriers. Ford, for instance, this year began shipping a compact SUV called the EcoSport from India and is expecting to sell significant volumes. That Follows Fiat Chrysler's move to ship the wildly popular Jeep Renegade—a small rough-and-tumble off-roader based on Fiat car designs—from Italy to the U.S.

The initial goal was to make a proposal as part of the agency's recently completed review of greenhouse-gas emissions standards for cars and light trucks for model years 2022-2025. That review led the EPA to propose lowering the standards set by the Obama administration last year, but no plans of tougher rules for foreign cars.

—William Mauldin, Chester Dawson and Mike Spector contributed to this article.

Write to Timothy Puko at tim.puko@wsj.com

Tim Hutchinson
Senior Director (US House 93-97; US Sen. 97-03)
Greenberg Traurig, LLP | 2101 L Street N.W. | Washington, D.C. 20037
Ex. 6
hutchinsont@gtlaw.com | www.gtlaw.com

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Message

From: Van Doren, Terry (McConnell) [Terry_VanDoren@mcconnell.senate.gov]
Sent: 4/12/2018 10:24:03 PM
To: Lyons, Troy [lyons.troy@epa.gov]
CC: Palich, Christian [palich.christian@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Wheeler Confirmation Vote Just Started

Thanks guys. Team effort…always enjoy working with you but particularly on this one. Thanks again. TVD

Terry Van Doren
Policy Advisor
Office of Majority Leader McConnell
Washington, DC 20510
(202) 224-3135

From: Lyons, Troy <lyons.troy@epa.gov>
Sent: Thursday, April 12, 2018 4:41 PM
To: Van Doren, Terry (McConnell) <Terry_VanDoren@mcconnell.senate.gov>
Cc: Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Wheeler Confirmation Vote Just Started

Terry, thank you and Senator McConnell for your leadership in getting Andrew confirmed. You were a champion for his nomination and were instrumental in getting him across the goal line.

Sent from my iPhone

On Apr 12, 2018, at 3:58 PM, Van Doren, Terry (McConnell) <Terry_VanDoren@mcconnell.senate.gov> wrote:

Terry Van Doren
Policy Advisor
Office of Majority Leader McConnell
Washington, DC 20510
(202) 224-3135

Message

From: Brown, Joe (Boozman) [Joe_Brown@boozman.senate.gov]
Sent: 4/3/2018 7:53:02 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Pruitt record

Thanks man!

Joe Brown
Legislative Assistant
Office of U.S. Senator John Boozman
141 Hart Senate Office Building
Washington, D.C. 20510
Office 202.224.4843

From: "Jackson, Ryan" <jackson.ryan@epa.gov>
Date: Tuesday, April 3, 2018 at 3:52 PM
To: "Brown, Joe (Boozman)" <Joe_Brown@boozman.senate.gov>
Subject: FW: Pruitt record

Just so you are aware.

From: Jackson, Ryan
Sent: Tuesday, April 3, 2018 3:44 PM
To: 'toni-marie_higgins@boozman.senate.gov' <toni-marie_higgins@boozman.senate.gov>
Subject: Pruitt record

Toni-Marie, as an EPW authorizer and appropriator, I'm sure your boss will receive questions concerning Pruitt. We are trying to keep things on the record over the past year. Happy to answer any questions about anything and hope the attached and following help your office with both.

"In just one year, we have made tremendous progress implementing President Trump's agenda by refocusing the Agency to its core mission, restoring power to the states through cooperative federalism, and adhering to the rule of law," **said EPA Administrator Scott Pruitt**. "The American people can now trust that states and stakeholders will be treated as partners, and regulations will provide clarity, not confusion."

The sum of these actions is monumental: In year one, ***EPA finalized 22 deregulatory actions, which could save Americans more than $1 billion in regulatory costs.***

By the Numbers:

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E.O. 13777 by finalizing two deregulatory actions for each regulatory action – with ZERO net costs to the U.S. economy.

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For full review click here.

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency
Ex. 6

Message

From: TRCP [rooseveltreport@news.trcp.org]
Sent: 3/15/2019 11:04:39 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Trump's budget calls for cuts to conservation

Busted Budget

Congress Must Step Up for Conservation Funding

President Trump's latest budget request would slash funding for conservation by billions, undermining the work of our public agencies and putting the brakes on projects that benefit fish and wildlife all across the country. At this point, it's up to Congress to see that our priorities are paid for. With LWCF in the rear-view, hunters and anglers can't let up on our elected officials.

Learn More →

It's Official

A Law We Can Be Proud Of

After a signature from the president on Tuesday, the bipartisan public lands package that passed both chambers of Congress earlier this year is now the law of the land. And sportsmen and women can celebrate one of the biggest victories we've seen in a long time. Here's what's included.

Photo: Joe Milnoe/USFWS

Learn More →

TRCP Top 5

1. Forest Service Rejects Oil and Gas Lease Proposal for the Ruby Mountains - Theodore Roosevelt Conservation Partnership
2. President Signs S. 47 Public Lands Package Into Law - Outdoor Life
3. Lawmakers Urged to Spend More on Conserving Wildlife - Courthouse News Service
4. Kind, Sensenbrenner Introduce Bill to Manage Spread of CWD - Eau Claire Leader Telegram
5. Conservationists Question Largescale Harvest of Atlantic Menhaden - The Outdoor Wire

Revised Roadmap

Sage Grouse Plans Released

As of this week, the BLM's controversial revisions to sage grouse management plans are now final. And while they've omitted key safeguards for certain habitat, the careful implementation of these plans will ultimately determine the future of the sagebrush ecosystem.

Learn More →

Hill Country

TRCP Speaks Up for Hunters and Anglers

It's our mission to bring your perspective as hunters and anglers directly to policymakers, but it's rare to be able to do so in such a big way as we did this week. Two of our leaders testified under the bright lights in front of House and Senate committees, and they let our elected officials know in very clear terms what sportsmen and women need from Washington.

Learn More →

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Our mailing address is:
TRCP
529 14th Street NW, Suite 500

Washington, DC 20045
United States

If you believe you received this message in error or wish to no longer receive email from us, please [redacted].

Message

From: Kennett, Dave [Dave.Kennett@mail.house.gov]
Sent: 4/3/2018 5:40:39 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Pruitt record

Hi Ryan,

Ken did a tweet yesterday along these lines right before he left the country. I am sure he'd be happy to do something in an interview too, but I don't expect he'll be doing one this week.

I'm not sure what weight we have with the White House, but I know McCarthy has more than any other Member (perhaps combined). A good word from him would go a long way -- perhaps a nudge from one of his farmers to McCarthy would be a good idea?

From: Jackson, Ryan [mailto:jackson.ryan@epa.gov]
Sent: Tuesday, April 3, 2018 1:32 PM
To: Kennett, Dave <Dave.Kennett@mail.house.gov>
Subject: Pruitt record

Dave, just to follow up on our conversation, attached is information on the EPA record over the past year.

"In just one year, we have made tremendous progress implementing President Trump's agenda by refocusing the Agency to its core mission, restoring power to the states through cooperative federalism, and adhering to the rule of law," **said EPA Administrator Scott Pruitt**. "The American people can now trust that states and stakeholders will be treated as partners, and regulations will provide clarity, not confusion."

The sum of these actions is monumental: In year one, ***EPA finalized 22 deregulatory actions, which could save Americans more than $1 billion in regulatory costs.***

By the Numbers:

✓ IMPLEMENTING EXECUTIVE ORDERS (E.O.): EPA quickly acted on President Donald Trump's E.O. to review the 2015 definition of "Waters of the U.S.;" President Trump's Energy Independence E.O. to propose a repeal of the so-called "Clean Power Plan;" and President Trump's "Regulatory Reform" E.O. 13777 by finalizing two deregulatory actions for each regulatory action – with ZERO net costs to the U.S. economy.

✓ REGULATORY REFORM: 22 deregulatory actions were finalized, which could save more than $1 billion in regulatory costs; EPA also initiated work on an additional 44 deregulatory actions and announced the reconsideration of over a dozen overreaching and burdensome regulations.

✓ OUTREACH: Administrator Pruitt consulted with 95 bipartisan members of Congress, 34 bipartisan governors, visited 30 states and U.S. territories, and met with over 350 stakeholder groups.

✓ AIR: EPA acted on 322 State Implementation Plans (SIPs) and turned one Federal Implementation Plan (FIP) into a SIP each month since March 1, 2017.

✓ WATER: 3,000 Total Maximum Daily Loads were approved and EPA focused on the priority water bodies selected by states. EPA also: cut the amount of time it took to review state water quality standards in half (from 120 days to 60); committed $25 million in water infrastructure loans; disbursed $8.9 billion in State Revolving Funds to improve our nation's water quality; and awarded $100 million to Flint, Michigan for water infrastructure upgrades.

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For full review click here.

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency
Ex. 6

Message

From: Emily Holden [eholden@politico.com]
Sent: 4/12/2018 3:38:10 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Can we talk about these?
Attachments: 4.12.2018 Letter to Trump re, Pruitt with attachment.pdf; 4.12.2018 Letter to Pruitt.pdf

Thanks

Emily Holden
Reporter, energy/climate
POLITICO
eholden@politico.com
Ex. 6 (Mobile, WhatsApp, Signal, Confide)
@emilyhholden

Congress of the United States
Washington, DC 20510

April 12, 2018

The Honorable Scott Pruitt
Administrator
Environmental Protection Agency
1200 Pennsylvania Avenue NW
Washington, DC 20004

Dear Administrator Pruitt,

We write with grave concerns regarding information our staffs received during a meeting with Mr. Kevin Chmielewski, a long-time supporter and campaign aide of President Donald Trump, who served as your Deputy Chief of Staff for Operations at EPA. Based on the information he provided, we now request that you produce several categories of documents.

Mr. Chmielewski provided new details and corroborated other reports regarding allegations of wasteful spending of taxpayer funds and your disregard for the ethical and legal requirements of your position. Mr. Chmielewski described an environment in which you sought to marginalize, remove or otherwise retaliate against agency employees who advised you not to take these troubling actions, or refused to take or justify such actions at your direction.

Mr. Chmielewski claims that when he first started in his role as a politically appointed Senior Executive Service official at EPA, Chief of Staff Ryan Jackson informed him that "the nightmare is now yours." Mr. Chmielewski said those words turned out to be accurate.

As Mr. Chmielewski learned more about your wasteful spending, irresponsible travel and inappropriate security efforts, he reported that he also learned that "every time you tried to find out about something you got in trouble." He said that when he refused to approve your inappropriate and unethical spending, he claimed he was marginalized, removed from his senior position and placed on administrative leave. He said that he watched as others were punished, demoted, and retaliated against when they tried to resist inappropriate directions that came from you or through your favored staff.

What follows below is a more specific summary of the information Mr. Chmielewski provided our staffs during the meeting, as well as our request for documents:

Concerns About Wasteful Spending, Unethical Behavior, and Inappropriate Use of Resources and Personnel

- Mr. Chmielewski provided several examples of wasteful security spending beyond justifying the use of first-class travel under the guise of security. This includes the purchase of bulletproof vests and weapons, biometric locks, a security sweep of your office, one or more new SUVs for your travel (rather than obtaining vehicles from the

General Services Administration), and a $30,000 contract with private Italian security personnel entered into by Mr. Nino Perrotta, the Special Agent who leads your security detail.[1] Mr. Chmielewski explained that at least one security-related contract was awarded to an individual who works at Mr. Perrotta's private security firm, and he believes that other contracts may also have been awarded to friends or associates of Mr. Perrotta's.

- Mr. Chmielewski told our staffs that you spent well beyond the $5,000 allowed by law to decorate your office, including refinishing an antique desk, purchasing an additional standing desk, paying leases for art on loan from the Smithsonian Institution, framing an 8x10 foot United States flag, and building a $43,000 soundproof phone booth.
- Mr. Chmielewski said that you have insisted on the use of lights and sirens to transport you more quickly through traffic to the airport, meetings, and social events on numerous occasions, and that you permitted your drivers to speed through residential neighborhoods and red lights, far in excess of posted speed limits.
- Mr. Chmielewski said that you had EPA's Director of Scheduling and Advance Millan Hupp act as your personal real estate representative, spending weeks improperly using federal government resources and time to contact rental and seller's agents, and touring numerous properties in which you might wish to reside.
- Mr. Chmielewski stated that for a period of weeks, he did not personally see Samantha Dravis, the former Associate Administrator for EPA's Office of Policy and one of your closest confidants, at EPA headquarters.
- Mr. Chmielewski disputed your definitive and public claims that you "didn't know" about controversial salary raises given to your favored aides, saying that those raises were "100% Pruitt himself." Mr. Chmielewski explained that he was called into your Chief of Staff's office and told that you wanted to move him out of his position in order to give Ms. Hupp his title and a pay increase. Mr. Chmielewski said he raised his concerns about this with White House Associate Director of Presidential Personnel Jennifer Locetta, who told him that the White House would not approve of Ms. Hupp being placed into the Deputy position and receiving that level of a raise. However, Mr. Chmielewski was moved out of his position and Ms. Hupp was given a $28,130 raise using obscure hiring authority under the Safe Drinking Water Act.
- Mr. Chmielewski also provided our staffs with new evidence of your inappropriate rental arrangement. He explained that he was in your Chief of Staff's office when he heard a conversation on the speakerphone in which your landlord, energy lobbyist J. Steven Hart, was complaining that you had never paid any rent to him, and that your daughter damaged his hardwood floors by repeatedly rolling her luggage across the unit when she was staying there.

Concerns About Travel

[1] Mr. Chmielewski stated that a heavily redacted document released by EPA under FOIA listing $30,553.88 in "Expenditures" for this trip likely provided evidence of this contract. See https://www.environmentalintegrity.org/news/italy-travel-security-costs/.

- Mr. Chmielewski said that Ms. Hupp, at your direction, sought to have the agency enter into a $100,000 per month contract to rent a private jet, which would have cost more than the Administrator's annual travel budget of approximately $450,000. Mr. Chmielewski claimed he successfully prevented this from occurring, as it would have been far in excess of the total travel budget of the office.
- Mr. Chmielewski said he observed that your travel destinations are often dictated by your desire to visit particular cities or countries rather than official business, and that you tell your staff to "find me something to do [in those locations]" to justify the use of taxpayer funds. He stated that you direct your staff to book flights on Delta, even when they are not the federal government's contract carrier for the route, because you want to accrue more frequent flyer miles.
- He also informed our staffs that you directed your staff to find reasons for you to travel to Oklahoma, so that you could be in your home state for long weekends at taxpayers' expense. Mr. Chmielewski described the official meetings in Oklahoma as being pretextual, such as scheduling an official meeting with an old friend.
- According to Mr. Chmielewski, you frequently stayed in hotels that exceeded the allowable U.S. government per diem, sometimes even exceeding the 300 percent cap permitted in exceptional circumstances. He added that while you were reimbursed for these expenses, on some occasions members of your security detail were not reimbursed for the portion of their expenses that exceeded allowable maximums.
- On at least two occasions when planning international trips to Australia and Italy, Mr. Chmielewski claimed that you refused to stay at hotels recommended by the U.S. Embassy, although the recommended hotel had law enforcement and other U.S. resources on-site. He alleged you chose to stay instead at more expensive hotels with fewer standard security resources, and to bring your security team with you, at taxpayer expense.
- After your Chief of Staff raised concerns about your travel, Mr. Chmielewski reported that you texted the Chief of Staff to tell him that his presence was no longer welcome at scheduling meetings for your travel. Mr. Chmielewski further described your effort to marginalize your Chief of Staff as he refused to follow some actions you directed, and he described Ms. Hupp and Sarah Greenwalt, your senior counsel, as running the agency.
- Mr. Chmielewski reported that you provided approval for Ms. Dravis to fly first-class with you on your return trip from Morocco in December 2017, even though there was no legal justification for her to do so. Mr. Chmielewski said that he refused to retroactively sign paperwork after the trip justifying that decision because it violated federal travel regulations. Mr. Chmielewski claimed that Ms. Dravis and Ms. Hupp each separately told Mr. Chmielewski that you had approved the decision, and asked him to reconsider, but he did not. He added that another employee ultimately agreed to justify the decision.

According to Mr. Chmielewski, his refusal to retroactively approve Ms. Dravis's first-class return flight from Morocco appears to him to have been the final straw that caused you to remove him. He told our staffs that following his refusal, Chief of Staff Ryan Jackson called Mr. Chmielewski into his office and informed him that you wished to fire or reassign him. In addition, Mr. Chmielewski explained that EPA's White House Liaison, Charles Munoz, also informed him in February 2018 that you wanted him to resign when he returned from a trip to Japan to staff Vice-President Pence.

When Mr. Chmielewski returned from Japan, he said that your head of security, Mr. Nino Perrotta, sought to have his credentials for entering the EPA building confiscated. According to Mr. Chmielewski, during a call that included Mr. Munoz, Mr. Perrotta said that he was going to go to Mr. Chmielewski's home and forcibly retrieve his EPA parking pass and that he "didn't give a f—k who is on this call". Mr. Chmielewski found the statements to be threatening and reported them to the local police, the White House Office of Presidential Personnel and numerous EPA officials.

Mr. Chmielewski has been on administrative leave since that time, although he said he recently read news reports that his employment may have been terminated. Mr. Chmielewski explained that other employees have had similar experiences. For example, he reported that when the Director of EPA's Office of Administrative and Executive Services Reginald Allen refused to authorize some of your exorbitant spending, his responsibilities were removed.

Conclusion and Request for Documents

Although your spokesperson has repeatedly described those who raise concerns about your actions as "disgruntled employees" whose stories should not be believed, our staffs found Mr. Chmielewski to be a credible professional who continues to express deep loyalty to the President and Vice-President. He came forward because, as he said, "right is right, and wrong is wrong."

The new information provided by Mr. Chmielewski, if accurate, leaves us certain that your leadership at EPA has been fraught with numerous and repeated unethical and potentially illegal actions on a wide range of consequential matters that you and some members of your staff directed.

Mr. Chmielewski informed us that emails, documents and other records exist that will verify these events. Consequently, we request that you provide us with copies of all documents, including emails, meeting minutes, memos, correspondence, and other materials related to all of the matters raised in this letter to the extent such documents exist. For the reasons set forth above, we request that you provide the following documents for the time period of January 20, 2017 to the present date:

1. All documents and communications referring or relating to the purchase or potential purchase of security items to support the Administrator's security, including but not limited to bulletproof vests, weapons, biometric locks or similar locking devices, bulletproof vehicles, and SUVs;
2. All documents and communications referring or relating to the hiring or potential hiring of Sequoia Security Group, anyone associated with Sequoia Security Group, or any other non-federal entity providing security for the Administrator;
3. All documents and communications referring or relating to the hiring of security contractors or foreign nationals to support Administrator Pruitt's trip to Italy;
4. All documents and communications referring or relating to the costs of decorating and/or otherwise furnishing Administrator Pruitt's office, including but not limited to the refinishing costs of the Administrator's desk, the purchase of a standing desk, the leasing

and/or costs of borrowing art from the Smithsonian Institution or any other party, the framing of a United States flag, and the purchase of a coffee maker for the use of Administrator Pruitt;

5. All documents and communications referring or relating to the construction and financing of a secure, classified or soundproof space in Administrator Pruitt's office;
6. All documents and communications referring or relating to the use of lights and sirens by Administrator Pruitt's security detail;
7. All documents and communications referring or relating to Millan Hupp's assistance with the Administrator's rental or purchase of real estate, including but not limited to contacts with any rental or seller's agents, travel to and from rental properties, and documents showing the time spent on this project;
8. All documents and communications referring or relating to any absence from work by Samantha Dravis;
9. All documents and communications referring or relating to any potential contracts or signed contracts to rent and/or lease a private jet for Administrator Pruitt's use or the use of any other EPA employee;
10. A complete and unredacted copy of Administrator Pruitt's calendar for his June 2017 trip to Rome as well as all documents and communications referring or relating to Administrator Pruitt's June 2017 trip to Italy;
11. All documents and communications referring or relating to Samantha Dravis's travel to and/or from Morocco in December 2017, including the justification for her first class and/or business class travel;
12. All documents and communications referring or relating to employee travel to Oklahoma, including the travel of Administrator Pruitt;
13. All documents and communications referring or relating to Nino Perrotta's authority to justify his own first-class or business class travel;
14. All documents and communications referring or relating to Administrator Pruitt exceeding per diem limits, including documents and communications referring or relating to members of Administrator Pruitt's security detail not being reimbursed because of the expenses incurred by Administrator Pruitt;
15. All documents and communications referring or relating to the decision to fire, place on administrative leave, or reassign Kevin Chmielewski or Reginald Allen, including but not limited to any documents or communications regarding removing Mr. Chmielewski's credentials, parking pass, computer, secure phone, or other equipment;
16. All documents and communications referring or relating to the current employment status of Kevin Chmielewski;
17. All documents and communications referring or relating to the decision to promote and/or increase the pay of Millan Hupp and Sarah Greenwalt;
18. All documents and communications referring or relating to the Administrator's lease, rental, or purchase of property in the Washington, DC metropolitan area, including but not limited to ethics opinions or advice, evidence of payment or lack of payment, and complaints made of the Administrator or his family and associates; and
19. All documents and communications referring or relating to the Administrator, his staff, and his security team's use of hotel rooms on domestic and international travel, including the costs and the security of those rooms.

If any of the documents requested contain personal or law enforcement sensitive information, please specify arrangements for us to review these documents in unredacted form. We request that you provide these documents by April 25, 2018.

Sincerely,

Thomas R. Carper
U.S. Senate

Sheldon Whitehouse
U.S. Senate

Elijah Cummings
U.S. House of Representatives

Gerald E. Connolly
U.S. House of Representatives

Donald S. Beyer Jr.
U.S. House of Representatives

cc:
Senator John Barrasso, Chairman of the Senate Committee on Environment and Public Works
Congressman Trey Gowdy, Chairman of the House Committee on Oversight and Government Reform

Congress of the United States
Washington, DC 20510

April 12, 2018

President Donald J. Trump
The White House
1600 Pennsylvania Avenue NW
Washington, D.C. 20500

Dear President Trump:

We write to you with grave concerns regarding information we received during a meeting with Mr. Kevin Chmielewski, a former campaign aide of yours. Mr. Chmielewski was until recently the Deputy Chief of Staff for Operations at the Environmental Protection Agency (EPA). While Mr. Chmielewski described himself as a lifelong Republican and a strong supporter of yours and the Vice President, he painted an extremely troubling picture of wasteful spending, unethical behavior, and improper retaliation against EPA staff on the part of EPA Administrator Scott Pruitt.

We are enclosing a separate letter we have sent to Administrator Pruitt detailing the wrongdoing that Mr. Chmielewski reports that he witnessed. Our letter to Administrator Pruitt asks EPA to provide us with documents related to many of the episodes Mr. Chmielewski described.

Given your recent statements about Administrator Pruitt's ethical troubles, it appears you may not have received all the facts surrounding Administrator Pruitt's spending, security arrangements, travel, living arrangements, and personnel actions, among other things. We therefore urge you to continue to conduct your own investigation of Administrator Pruitt's actions, including examining relevant documents and speaking with credible witnesses such as Mr. Chmielewski.

Mr. Chmielewski said to us when explaining his decision to speak out against Administrator Pruitt that, regardless of political party, "right is right, and wrong is wrong." We believe that if you speak with knowledgeable parties like Mr. Chmielewski and examine relevant documents, it will become clear that the right course of action in this case is to hold Administrator Pruitt accountable for his serious ethical lapses and to restore honest, competent leadership to EPA so that this important agency may fulfill its critical mission.

Sincerely,

Thomas R. Carper
U.S. Senate

Sheldon Whitehouse
U.S. Senate

Elijah Cummings
U.S. House of Representatives

Gerald E. Connolly
U.S. House of Representatives

Donald S. Beyer Jr.
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cc:
Senator John Barrasso, Chairman of the Senate Committee on Environment and Public Works
Congressman Trey Gowdy, Chairman of the House Committee on Oversight and Government Reform

Congress of the United States
Washington, DC 20510

April 12, 2018

The Honorable Scott Pruitt
Administrator
Environmental Protection Agency
1200 Pennsylvania Avenue NW
Washington, DC 20004

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General Services Administration), and a $30,000 contract with private Italian security personnel entered into by Mr. Nino Perrotta, the Special Agent who leads your security detail.[1] Mr. Chmielewski explained that at least one security-related contract was awarded to an individual who works at Mr. Perrotta's private security firm, and he believes that other contracts may also have been awarded to friends or associates of Mr. Perrotta's.

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[1] Mr. Chmielewski stated that a heavily redacted document released by EPA under FOIA listing $30,553.88 in "Expenditures" for this trip likely provided evidence of this contract. See https://www.environmentalintegrity.org/news/italy-travel-security-costs/.

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- After your Chief of Staff raised concerns about your travel, Mr. Chmielewski reported that you texted the Chief of Staff to tell him that his presence was no longer welcome at scheduling meetings for your travel. Mr. Chmielewski further described your effort to marginalize your Chief of Staff as he refused to follow some actions you directed, and he described Ms. Hupp and Sarah Greenwalt, your senior counsel, as running the agency.
- Mr. Chmielewski reported that you provided approval for Ms. Dravis to fly first-class with you on your return trip from Morocco in December 2017, even though there was no legal justification for her to do so. Mr. Chmielewski said that he refused to retroactively sign paperwork after the trip justifying that decision because it violated federal travel regulations. Mr. Chmielewski claimed that Ms. Dravis and Ms. Hupp each separately told Mr. Chmielewski that you had approved the decision, and asked him to reconsider, but he did not. He added that another employee ultimately agreed to justify the decision.

According to Mr. Chmielewski, his refusal to retroactively approve Ms. Dravis's first-class return flight from Morocco appears to him to have been the final straw that caused you to remove him. He told our staffs that following his refusal, Chief of Staff Ryan Jackson called Mr. Chmielewski into his office and informed him that you wished to fire or reassign him. In addition, Mr. Chmielewski explained that EPA's White House Liaison, Charles Munoz, also informed him in February 2018 that you wanted him to resign when he returned from a trip to Japan to staff Vice-President Pence.

When Mr. Chmielewski returned from Japan, he said that your head of security, Mr. Nino Perrotta, sought to have his credentials for entering the EPA building confiscated. According to Mr. Chmielewski, during a call that included Mr. Munoz, Mr. Perrotta said that he was going to go to Mr. Chmielewski's home and forcibly retrieve his EPA parking pass and that he "didn't give a f—k who is on this call". Mr. Chmielewski found the statements to be threatening and reported them to the local police, the White House Office of Presidential Personnel and numerous EPA officials.

Mr. Chmielewski has been on administrative leave since that time, although he said he recently read news reports that his employment may have been terminated. Mr. Chmielewski explained that other employees have had similar experiences. For example, he reported that when the Director of EPA's Office of Administrative and Executive Services Reginald Allen refused to authorize some of your exorbitant spending, his responsibilities were removed.

Conclusion and Request for Documents

Although your spokesperson has repeatedly described those who raise concerns about your actions as "disgruntled employees" whose stories should not be believed, our staffs found Mr. Chmielewski to be a credible professional who continues to express deep loyalty to the President and Vice-President. He came forward because, as he said, "right is right, and wrong is wrong."

The new information provided by Mr. Chmielewski, if accurate, leaves us certain that your leadership at EPA has been fraught with numerous and repeated unethical and potentially illegal actions on a wide range of consequential matters that you and some members of your staff directed.

Mr. Chmielewski informed us that emails, documents and other records exist that will verify these events. Consequently, we request that you provide us with copies of all documents, including emails, meeting minutes, memos, correspondence, and other materials related to all of the matters raised in this letter to the extent such documents exist. For the reasons set forth above, we request that you provide the following documents for the time period of January 20, 2017 to the present date:

1. All documents and communications referring or relating to the purchase or potential purchase of security items to support the Administrator's security, including but not limited to bulletproof vests, weapons, biometric locks or similar locking devices, bulletproof vehicles, and SUVs;
2. All documents and communications referring or relating to the hiring or potential hiring of Sequoia Security Group, anyone associated with Sequoia Security Group, or any other non-federal entity providing security for the Administrator;
3. All documents and communications referring or relating to the hiring of security contractors or foreign nationals to support Administrator Pruitt's trip to Italy;
4. All documents and communications referring or relating to the costs of decorating and/or otherwise furnishing Administrator Pruitt's office, including but not limited to the refinishing costs of the Administrator's desk, the purchase of a standing desk, the leasing

and/or costs of borrowing art from the Smithsonian Institution or any other party, the framing of a United States flag, and the purchase of a coffee maker for the use of Administrator Pruitt;

5. All documents and communications referring or relating to the construction and financing of a secure, classified or soundproof space in Administrator Pruitt's office;
6. All documents and communications referring or relating to the use of lights and sirens by Administrator Pruitt's security detail;
7. All documents and communications referring or relating to Millan Hupp's assistance with the Administrator's rental or purchase of real estate, including but not limited to contacts with any rental or seller's agents, travel to and from rental properties, and documents showing the time spent on this project;
8. All documents and communications referring or relating to any absence from work by Samantha Dravis;
9. All documents and communications referring or relating to any potential contracts or signed contracts to rent and/or lease a private jet for Administrator Pruitt's use or the use of any other EPA employee;
10. A complete and unredacted copy of Administrator Pruitt's calendar for his June 2017 trip to Rome as well as all documents and communications referring or relating to Administrator Pruitt's June 2017 trip to Italy;
11. All documents and communications referring or relating to Samantha Dravis's travel to and/or from Morocco in December 2017, including the justification for her first class and/or business class travel;
12. All documents and communications referring or relating to employee travel to Oklahoma, including the travel of Administrator Pruitt;
13. All documents and communications referring or relating to Nino Perrotta's authority to justify his own first-class or business class travel;
14. All documents and communications referring or relating to Administrator Pruitt exceeding per diem limits, including documents and communications referring or relating to members of Administrator Pruitt's security detail not being reimbursed because of the expenses incurred by Administrator Pruitt;
15. All documents and communications referring or relating to the decision to fire, place on administrative leave, or reassign Kevin Chmielewski or Reginald Allen, including but not limited to any documents or communications regarding removing Mr. Chmielewski's credentials, parking pass, computer, secure phone, or other equipment;
16. All documents and communications referring or relating to the current employment status of Kevin Chmielewski;
17. All documents and communications referring or relating to the decision to promote and/or increase the pay of Millan Hupp and Sarah Greenwalt;
18. All documents and communications referring or relating to the Administrator's lease, rental, or purchase of property in the Washington, DC metropolitan area, including but not limited to ethics opinions or advice, evidence of payment or lack of payment, and complaints made of the Administrator or his family and associates; and
19. All documents and communications referring or relating to the Administrator, his staff, and his security team's use of hotel rooms on domestic and international travel, including the costs and the security of those rooms.

If any of the documents requested contain personal or law enforcement sensitive information, please specify arrangements for us to review these documents in unredacted form. We request that you provide these documents by April 25, 2018.

Sincerely,

Thomas R. Carper
U.S. Senate

Sheldon Whitehouse
U.S. Senate

Elijah Cummings
U.S. House of Representatives

Gerald E. Connolly
U.S. House of Representatives

Donald S. Beyer Jr.
U.S. House of Representatives

cc:
Senator John Barrasso, Chairman of the Senate Committee on Environment and Public Works
Congressman Trey Gowdy, Chairman of the House Committee on Oversight and Government Reform

Message

From: Bloomberg Environment [bnaehs@bloombergenvironment.com]
Sent: 4/5/2018 7:38:34 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: [FREE WEBINAR] Challenges Of Regulating Chemicals Of Emerging Concern.

Email not displaying correctly? View it in your browser.

Challenges of Regulating Chemicals of Emerging Concern

REGISTER NOW

For decades the U.S. EPA has been identifying and moving to set environmental cleanup standards for chemicals of emerging concern, sometimes called "emerging contaminants." Yet, some of the more recent chemicals identified are generating unprecedented interest and concern. Join our upcoming webinar as panelists review how chemicals of emerging concern become the focus of EPA efforts to regulate, and discuss some of the mechanisms the EPA and states use to develop related standards.

DETAILS:

DATE:
Tuesday, April 24, 2018
1:00 PM – 2:00 PM EDT

HOSTED BY:
Bloomberg Environment, Langan, and Fox Rothschild

Featuring:

Christopher Roe
Co-chair, Environmental Practice at Fox Rothschild

Nicholas De Rose
Principal at Langan

Adam Hackenberg
Sr. Project Manager at Langan

Moderated by:
Sylvia Carignan, Reporter at Bloomberg Environment

Register today.

To unsubscribe or manage your email preferences, please click here
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1801 South Bell Street, Arlington, VA 22202. Phone: 1.800.372.1033

Message

From: Bennett, Tate [Bennett.Tate@epa.gov]
Sent: 4/12/2018 3:35:24 PM
To: Ex. 6
CC: Greenwalt, Sarah [greenwalt.sarah@epa.gov]; Forsgren, Lee [Forsgren.Lee@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: WOTUS Ex. 6

Thanks Ex. 6

> On Apr 12, 2018, at 9:28 AM, Ex. 6 wrote:
>
> Sarah and Lee
>
> Recently I applied for the EPA Region 9 Administrator position and have since learned the position has been filled. At the request of Administrator Pruitt and staff while meeting in Turlock California two weeks ago, I am sending you statutory language for a WOTUS fix created by a small group of us who have been working together the past 13 years on Clean Water Act issues. Amongst other attachments included, are my resume and letters of support for my recent interest in the Region 9 administrator position.
>
> I would like to request to actively participate in the WOTUS rewrite and be a possible consideration as an Ag Advisor to the EPA on Clean Water Act issues. I believe I can provide demonstrable benefits to the rewriting of WOTUS in the effort to keep agriculture viable in this country while maintaining our constitutionally protected private property rights.
>
> Thank you for your consideration.
>
> Ex. 6
>
>
> Ex. 6
>
> <WOTUS statutory language 2017.docx>
> <USEPA Region 9 Candidate - Ex. 6
> <SMFC067644180323123000.pdf>
> <Ltr Ex. 6 Appt EPA Reg 9 3-22-2018-2.pdf>
> <LTR Support of Ex. 6 03-23-18-2.pdf>
> <img243.jpg>
> Ex. 6

Message

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [anatter5@bloomberg.net]
Sent: 4/11/2018 5:59:58 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Can you send me your statement?

Thanks. What's the best number to reach you? Ok to call your office number in your sig?

Sent from Bloomberg Professional for iPhone

----- Original Message -----
From: Ryan Jackson <jackson.ryan@epa.gov>
To: ARI NATTER
At: 11-Apr-2018 13:58:59

Gossip mill kind of stuff because Andy's vote is this week.

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [mailto:anatter5@bloomberg.net]
Sent: Wednesday, April 11, 2018 1:12 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Can you send me your statement?

Accurate? :)

Sent from Bloomberg Professional for iPhone

----- Original Message -----
From: Ryan Jackson <jackson.ryan@epa.gov>
To: ARI NATTER
At: 11-Apr-2018 13:08:37

I did see it.

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [mailto:anatter5@bloomberg.net]
Sent: Wednesday, April 11, 2018 12:23 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Can you send me your statement?

You see this Daily Caller story that says White House is considering replacing Pruitt with Andrew Wheeler?
http://dailycaller.com/2018/04/11/source-white-house-mulls-replacing-pruitt/

Ari Natter
Reporter
Bloomberg News
Ex. 6
@AriNatter
Stories: bloom.bg/2mBBE2I

From: jackson.ryan@epa.gov At: 04/10/18 17:51:07

To: Ari Natter (BLOOMBERG/ NEWSROOM:)
Subject: RE: Can you send me your statement?

We are sending this out shortly

EPA STATEMENT: **"We do not comment on personnel matters. The action today was based on a recommendation by the Office of Administration and Resources Management. I am not aware of any connection between the personnel matter and the document mentioned in media report."**

- Donna Vizian, EPA Principal Deputy Assistant Administrator

From: Jackson, Ryan
Sent: Tuesday, April 10, 2018 5:45 PM
To: 'Ari Natter' <anatter5@bloomberg.net>
Subject: RE: Can you send me your statement?

Night, morning, all the time….

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [mailto:anatter5@bloomberg.net]
Sent: Tuesday, April 10, 2018 5:43 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Can you send me your statement?

And I appreciate your help. Can we do a phone call sometime? I take it you are a night owl?

Sent from Bloomberg Professional for iPhone

----- Original Message -----
From: Ryan Jackson <jackson.ryan@epa.gov>
To: ARI NATTER
At: 10-Apr-2018 17:41:43

I doubt it, but I appreciate the invitation.

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [mailto:anatter5@bloomberg.net]
Sent: Tuesday, April 10, 2018 5:40 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Can you send me your statement?

Thanks. Can you make it to our bureau party this evening?

Sent from Bloomberg Professional for iPhone

----- Original Message -----
From: Ryan Jackson <jackson.ryan@epa.gov>
To: ARI NATTER
At: 10-Apr-2018 17:35:55

The answer to your question is that there's not a connection. Frankly this is extremely coincidental. EPA is issuing a new statement shortly.

Ryan Jackson

Chief of Staff

U.S. EPA

Ex. 6

On Apr 9, 2018, at 9:40 PM, Ari Natter (BLOOMBERG/ NEWSROOM:) <anatter5@bloomberg.net> wrote:

> https://www.politico.com/story/2018/04/09/pruitt-epa-raises-511112
>
> Thanks man
>
> Sent from Bloomberg Professional for iPhone

Message

From: AJ Ferate [ajferate@oipa.com]
Sent: 4/3/2018 2:47:49 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Speaking request - OIPA Annual Conference

Ryan: I hope all is well for you. I wanted to check in on Administrator Pruitt's availability to speak at OIPA's annual conference June 8th or 9th in Las Colinas, TX. Available slots include the mornings of either day, or at dinners in the evenings. I believe Tomi Lahren is currently slotted at Sunday night's dinner, but we could still make that work if that was his only availability.

Thanks for considering this and I hope to see you soon.

Warmly,

Anthony J. "A.J." Ferate, J.D.
Vice President, Regulatory Affairs
Oklahoma Independent Petroleum Association
500 N.E. 4th Street, Suite 200
Oklahoma City, OK 73104

Ex. 6

Message

From: Munoz, Charles [munoz.charles@epa.gov]
Sent: 4/5/2018 12:38:21 PM
To: Ex. 6 - Mike Stoker personal email
CC: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Update

Good morning Mike,

I just spoke with Personnel Security and Presidential Personnel. They both have everything they need from you/us in order to get you processed and approved. It takes about 5 business days to fully process everything on the background check side so we're looking at middle to late next week for clearance since everything was submitted yesterday. PPO is fast-tracking your approval due to you being previously signed-off on for a PAS appointment.

Based on everything, I'd recommend a start date of 4/23 or 4/30. Let me know which date would work best and we'll work backwards from there.

Charles Munoz
White House Liaison
Environmental Protection Agency
Ex. 6

Message

From: Wagner, Kenneth [wagner.kenneth@epa.gov]
Sent: 3/26/2018 8:42:36 PM
To: todd.t.semonite@usace.army.mil; lloyd.d.caldwell@usace.army.mil; Leopold, Matt [Leopold.Matt@epa.gov]; Ross, David P [ross.davidp@epa.gov]
CC: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Meeting on 404(g) and Section 10 Waters between USACE and USEPA

General Semonite,

It was such a pleasure to meet you at the Border Wall Interagency Task Force meeting today and was pleased that we were able to discuss how we can enhance cooperation at all levels of our two agencies. In furtherance of our discussion, I have spoken with Dave Ross, our Assistant Administrator, Office of Water, and he is most willing and excited to get a meeting set up to work through the issues surrounding Florida's application to assume the 404 program. We agree that such a meeting will be helpful to avoid further confusion as we move through the process with Florida to discuss the policy of what waters should be retained by USACE under Section 10. Matt Leopold, our General Counsel, will also attend and all parties are copied on this email.

Once again, thank you for the courtesy this afternoon and I look forward to more interactions and was sincere in my desire to assist anytime USACE encounters issues at any of our regions or HQ. Let me know how we can get this scheduled sooner rather than later.

Respectfully,

Kenneth E. Wagner
Senior Advisor to the Administrator
Regional and State Affairs
U.S. EPA
1200 Pennsylvania Avenue NW
Washington, DC 20004
(202)564-1988 office
Ex. 6
wagner.kenneth@epa.gov

Message

From: ECOS [ecos=ecos.org@mail22.atl111.rsgsv.net]
on behalf of ECOS [ecos@ecos.org]
Sent: 3/23/2018 7:11:48 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: ECOS Wraps Up Productive Spring Meeting, Engages in PFAS Discussions, & More

ECOS Wraps Up Productive Spring Meeting, Engages in PFAS Discussions, & More

ECOSWIRE | Vol. 20 No. 12

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ECOSWIRE

Friday, March 23, 2018
Vol. 20 No. 12

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ECOS Wraps Up Wide-Ranging Meeting on Getting to Results

ECOS this week held a well-received Spring Meeting in St. Paul, Minnesota on ways to achieve, measure, and tell the story of environmental results. More than 200 attendees, including leaders of 43 state environmental agencies, participated in the lively discussions.

At the meeting, ECOS President Todd Parfitt of Wyoming reported progress through an array of initiatives, from the association's Cooperative Federalism 2.0 work on compliance, oversight, Superfund, and research to its efforts through E-Enterprise for the Environment, ECOS Results, the Shale Gas Caucus, ERIS, and several committees and workgroups. Attendees also heard from ECOS' new Executive Director & General Counsel Sam Sankar, who plans to speak individually with members over the coming weeks to learn about their priorities and discuss ideas for advancing ECOS' goals. And they engaged in dialogues with several EPA Regional Administrators and other headquarters officials

including U.S. EPA Chief of Operations Henry Darwin, a key partner in promoting lean and business process improvement through E-Enterprise and cooperative federalism.

ECOS extends its thanks to Past President John Linc Stine of Minnesota for ably hosting the meeting and lending several capable staff members to provide registration and technology support. The association also thanks the approximately 50 speakers who offered their expertise, as well as the dozen sponsors who helped make the meeting possible: Bloomberg Environment, the U.S. Business Council for Sustainable Development & Pathway 21, BP, Edison Electric Institute, Walmart, The Murli Group, the Government of Canada, SmartComment Software, Arcadis, Williams, Smithfield, and American Chemistry Council.

Also at the meeting, members selected North Carolina to host the 2020 Spring Meeting in Asheville. Next up in ECOS' membership meeting lineup is the 2018 Fall Meeting in Stowe, Vermont on August 28-30, which will mark the association's 25th anniversary.

Watch for more meeting coverage in next week's edition of *ECOSWIRE*, including information on resolutions passed. Access presentation materials and a list of attendees here. [Parisien]

ECOS Executive Director Sam Sankar, President Todd Parfitt of Wyoming, and Past President John Linc Stine of Minnesota (left to right) welcome meeting participants. Photo Credit: ECOS Vice President Becky Keogh of Arkansas.

U.S. EPA to Host Summit with States on PFAS

As discussed at the ECOS Spring Meeting, U.S. EPA announced March 19 plans to host a National Leadership Summit on May 22-23 in DC to address Per- and Polyfluroalkyl Substances (PFAS). In a letter to Governors of 56 states and territories, EPA outlined goals of the summit, which include:

- Sharing information on ongoing efforts to characterize risks from PFAS and develop monitoring and treatment/cleanup techniques;
- Identifying specific near-term actions, beyond those already underway, needed to address challenges currently facing states and local communities; and
- Developing risk communication strategies to address public concerns with PFAS.

Following the summit, EPA staff will travel to states with communities impacted by PFAS. Using information from the National Leadership Summit and community engagement, EPA plans to develop a PFAS Management Plan for release later this year.

EPA Office of Ground Water and Drinking Water Director Peter Grevatt briefed ECOS Spring Meeting attendees this week on the summit and on agency efforts, emphasizing the need for state-federal collaboration to effectively address PFAS contamination. States held a separate PFAS meeting ahead of the ECOS Spring Meeting to discuss the status of PFAS activities across the country and to brainstorm a future direction. ECOS is committed to working with EPA to determine the best path forward.

For more information on EPA's PFAS activities and for details on the summit, click here. [Longsworth]

House and Senate Pass FY18 Budget Bill; Presidential Approval Anticipated

This week, the U.S. House and Senate both approved the Omnibus Appropriations Act for FY 2018. Despite an earlier veto threat, the President is expected to sign the funding measure this afternoon, averting a government shutdown.

The bill provides funds for U.S. EPA at FY17 enacted levels of $8.058B. Rescissions proposed in the bill from both EPA's appropriation under Title II and funds under Title VI are targeted to the State and Tribal Assistance Grants (STAG) account and would increase from $90M to $148M.

The bill includes $1.067 for Categorical Grants, maintaining funding levels for all grants from FY17 and proposing to add $10M for Multipurpose Grants in FY18. Funds for diesel emissions increase from $60M to $75M and for targeted airsheds increase from $60M to

$75M. If enacted, funding for all geographic programs would continue at FY17 levels, with three programs receiving an additional $4M each — Long Island, Gulf of Mexico, and Lake Champlain.

Additional funding of $766M for infrastructure is included under Title IV to provide more funds for clean water and drinking water infrastructure; for the WIFIA program; for three new grant programs targeted to small and disadvantaged community water infrastructure, lead testing, and lead reduction assistance; and for various additional Superfund efforts. [Graves]

Matheson Elected Air Committee Vice Chair

Congratulations to Alan Matheson, Executive Director of the Utah Department of Environmental Quality, who was elected this week to serve as Vice Chair of the ECOS Air Committee.

Matheson joins Chair Ben Grumbles of Maryland at the helm of the committee. [Parisien]

State News You Can Use

New Hampshire Reaches Agreement with Industry on PFAS

Career Opportunities

Virginia Seeks Communications Director

The Virginia Department of Environmental Quality seeks a highly qualified, professional, and experienced candidate to manage the agency's Office of Public Information and Outreach. The selected candidate will develop a comprehensive agency communication plan, direct media communications, and serve as spokesperson for the agency and as primary contact with the news media. The position is located in Richmond, Virginia.

Applications are due **April 6**. For more information, click here. [Parisien]

Upcoming Events

National Academies on Characterizing Methane Emissions

The National Academies will hold a webinar on **March 27 at 11:00 a.m. Eastern** to discuss a new report that will be released that day, *Improving Characterization of Anthropogenic Methane Emissions in the United States*.

The study examined approaches to measuring, monitoring, reporting, and developing inventories or anthropogenic methane emissions. The study also assessed published inventories of U.S. methane emissions, characterized their uncertainty, and identified opportunities for improving these estimates. The chair of the study, James W.C. White with the University of Colorado, Boulder, will discuss the report's recommendations and findings. [Hanson]

ITRC on Groundwater Statistics

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course on *Groundwater Statistics for Environmental Project Managers* on **March 27 at 1-3:15 p.m. Eastern**.

Statistical techniques may be used throughout the process of cleaning up contaminated groundwater. It may be challenging for practitioners who are not experts in statistics to

interpret and use statistical techniques. This training and associated guidance document were developed specifically for environmental project managers who review or use statistical calculations for reports, make recommendations or decisions based on statistics, or need to demonstrate compliance for groundwater projects. The training class will encourage and support project managers and others who are not statisticians to apply key aspects of the statistical approach to groundwater data, and answer common questions on background, compliance, trend analysis, and monitoring optimization.

Learn more and register here. [Bodi]

U.S. EPA on Small Drinking Water System Treatment Technologies

EPA will host its next monthly Tools and Resources Webinar on **March 28 at 3-4 p.m.Eastern** to highlight cost-effective treatment technologies for small drinking water systems. EPA's Office of Research and Development has developed and patented a biological water treatment technology to remove ammonia from agricultural areas where groundwater is the primary drinking water source. The webinar will showcase a pilot study-turned full-scale operating plant in Iowa that used the technology and was assisted by the Iowa Department of Natural Resources.

Register for the webinar here. [Longsworth]

U.S. EPA on P2 and TSCA

EPA will host a webinar on **March 29 at 1-2 p.m. Eastern** to discuss the agency's new national emphasis area for pollution prevention (P2) grants. The webinar will serve as an opportunity for prospective P2 grant applicants to ask about the program, learn more about the Toxic Substances Control Act (TSCA), and discover resources to aid the TSCA-related P2 grant proposal process.

Register here. [Longsworth]

ITRC on Geospatial Analysis

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course

on *Geospatial Analysis for Optimization at Environmental Sites* on **March 29 at 1-3:15 p.m. Eastern**.

Optimization activities can improve performance, increase monitoring efficiency, and support contaminated site decisions. Project managers can use geospatial analysis for evaluation of optimization opportunities. Unlike traditional statistical analysis, geospatial methods incorporate the spatial and temporal dependence between nearby data points, which is an important feature of almost all data collected as part of an environmental investigation. This training and associated guidance document help to explain, educate, and train state regulators and other practitioners in understanding and using geospatial analyses to evaluate optimization opportunities at environmental sites.

Learn more and register here. [Bodi]

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Environmental Council of the States
50 F St NW Ste 350
Washington, DC 20001-1770

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Message

From: The Embassy of Canada [environment@canadianembassy.org]
Sent: 4/3/2018 5:26:01 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: REMINDER | You are invited: Canada-U.S. Collaboration in the Electric Sector

RSVP

The Embassy of Canada

in partnership with the

Canadian Electricity Association

cordially invites you to a reception and dinner to discuss

Canada-U.S. Collaboration in the Electric Sector

Thursday, April 12, 2018

Embassy of Canada

501 Pennsylvania Avenue, NW | Washington, D.C.

Cocktail Reception- 5:30 PM

Dinner- 6:30 PM

Keynote Speaker: Bruce Walker, Assistant Secretary, Office of Electricity Delivery and Energy Reliability, U.S. Department of Energy

RSVP and government-issued photo I.D. are required for entry.

Message

From: Ari Natter (BLOOMBERG/ NEWSROOM:) [anatter5@bloomberg.net]
Sent: 4/14/2018 3:27:18 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re:new letter going out today

Hey man --

Ex. 6

Would be a good story to do it we can prove it.

Also, what's the deal with House Oversight? Are you going to do an interview with them as requested?

Thanks man.

From: Ari Natter (BLOOMBERG/ NEWSROOM:) At: 04/12/18 11:40:10
To: jackson.ryan@epa.gov
Subject: new letter going out today

Hey Ryan --

Heads up there is a letter going out today based on Democrats interview with Kevin Chmielewski. Has some not nice things to say about you. Can you talk??

Thanks man.

Ari Natter
Reporter
Bloomberg News
Ex. 6
@AriNatter
Stories: bloom.bg/2mBBE2I

Message

From: Amy Harder [amy@axios.com]
Sent: 3/26/2018 9:29:29 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Inside Exxon's climate strategy

Inside Exxon's climate strategy

View this email in your browser

Good morning all,

For my latest column, which is copied below, I did a deep dive into Exxon's

climate strategy: http://axios.link/joD6

ICYMI, my coverage from last week:

Do you want to cut carbon with that? McDonald's sets climate target

America's record-breaking natural-gas export boom

EPA chief gets his climate debate--in court

Under investor pressure, Duke issues climate report

Climate changes goes to business school(s)

Cheers,

Amy

Inside Exxon's climate-change strategy

ExxonMobil is betting on two costly technologies — carbon capture and biofuels — and overly optimistic data to drive its climate-change strategy.

Why it matters: As the world's largest publicly traded oil company, Exxon is the face of America's fight over climate change and fossil fuels. While other oil majors like Shell and BP are branching out to wind and solar, and investing in electrification technologies, Exxon has made its existing natural gas and liquid fuels business the focus of its climate strategy.

Exxon is at the center **of lawsuits** alleging big oil companies knew about and concealed the dangers of climate change for decades, and a record share of its investors have urged it to be more transparent about the risks climate poses to its business. That's a trend proliferating within other publicly trading fossil-fuel companies.

A new Exxon report **on navigating a carbon-constrained world,** combined with recent comments by top executives, make Exxon's approach clear. The company is doubling down on a decade-old strategy by making relatively small, long-term investments in two costly technologies: carbon capture and algae

biofuels as a way to stay focused on its core hydrocarbon business. Here's how:

- If technology can capture carbon from natural gas, the fuel will thrive longer under policies demanding sharp emission cuts.
- The use of algae biofuels will further the use of internal combustion engines in cars over electric batteries.

Exxon held a first-ever dedicated session on climate change with analysts earlier this month during an annual meeting, a discussion that received little outside coverage. An Exxon spokesman, when reached for comment, referred to that session.

- **A carbon tax of $100 a ton is needed** to make carbon-capture technologies viable, Pete Trelenberg, Exxon's manager of environmental policy and planning, said at the analysts' meeting. The tax for biofuels to work would have to be even higher. Existing carbon prices around the world are much lower. "By and large, we don't yet see adequate incentives to drive a lot of [carbon capture] into the marketplace," he said.
- **Company executives, including CEO Darren Woods**, reiterated their years-long support for a carbon tax at this meeting, but that isn't translating into lobbying with the Republican-controlled Congress that opposes the idea.
- **Exxon's climate report to shareholders** released in February assumes a massive expansion of the carbon-capture market in the coming decades along with increased demand for natural gas.

"They're simultaneously negative on the existing technology but also betting on this breakthrough," said Andrew Logan, who directs the oil and gas program at Ceres, a group urging more sustainable investing. "Not only that it will work, but that it'll be scalable at what looks like extremely ambitious levels."

Critics say the purpose of these investor-pushed reports is to test companies' assets against a range of scenarios, not just ones with favorable assumptions. Logan also says Exxon's report doesn't assume much, if any, electrification of big trucks, which further bolsters the company's positioning in algae biofuels.

"We all know, the conclusion in these reports is always going to be 'we're just fine,' " Logan said. "What's more important is understanding what those assumptions are and where they're reasonable and less reasonable."

To be sure, this is not a knock on the modeling at issue, or even on Exxon to a certain degree.

- Most modeling that keeps Earth's temperatures below the level scientists say is needed *does envision*widespread use of carbon-capture technologies because it has traditionally provided the most cost-effective pathway. I've written about that a lot: here and here and here and here.
- Long-term modeling is also inherently uncertain work whose data often lags. Since 2012 when the data was collected, renewable-energy prices have plummeted, while carbon-capture tech hasn't. An updated version of the modeling is set to be released later this year.

Bottom line: Exxon's strategy is based on a range of scenarios with favorable assumptions for its core fossil-fuel business that let it address climate change without fundamentally changing its business model as a company that extracts fossil fuels. That makes it an outlier among giant oil companies that are making bigger bets outside the core hydrocarbon space.

"They are off track compared to their competitors," said Amy Myers Jaffe, an energy consultant and senior fellow at the Council on Foreign Relations.

Amy
energy reporter, Axios
202.906.9629
@AmyAHarder

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Message

From: Van Doren, Terry (McConnell) [Terry_VanDoren@mcconnell.senate.gov]
Sent: 4/11/2018 9:55:29 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]; Palich, Christian [palich.christian@epa.gov]; Lyons, Troy [lyons.troy@epa.gov]
Subject: Wheeler cloture vote is 2nd vote of 2 that starts at 9:30AM

Vote Alert

WEDNESDAY, APRIL 11, 2018 AT 05:34 PM

Roll Call Votes Scheduled

At 9:30am on Thursday, April 12th, the Senate will proceed to two roll call votes on the following:

1. Confirmation of Executive Calendar #605, Patrick Pizzella, of Virginia, to be Deputy Secretary of Labor.
2. Motion to invoke cloture on Executive Calendar #666, Andrew Wheeler, of Virginia, to be Deputy Administrator of the Environmental Protection Agency.

Message

From: Bill Simpson Ex. 6
Sent: 4/3/2018 5:09:48 PM
To: Pruitt, Scott [Pruitt.Scott@epa.gov]
CC: Flynn, Mike [Flynn.Mike@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Major problem solved for EPA, USFS & BLM?

TO: The Chief of the EPA
Mr. Scott Pruitt

Dear Chief Pruitt:

I am sympathetic to the tough positions that you and our President have ascended-to.

Enviros on one side, and big industry on the other. Industry is being choked-off by measures to reduce atmospheric pollution (carbon emissions, etc.) yet, through the current forest management and a ***'Let It Burn'* cult** lead by extreme Enviros that have infiltrated the USFS (enviros), we are nevertheless pumping millions of tons of carbon and other highly toxic emissions into the atmosphere as a result of extreme catastrophic wildfires.
This atmospheric pollution from annual wildfires has transcended all of the pollution-saving measures placed upon industry.

If we mitigated just one thing, ***catastrophic wildfire***, we could do everyone a huge favor.

At the same time, demonstrably saving the USFS and the BLM about $1-Billion annually. There is a very easy to understand reason why we now have these insane wildfires as well as a very simple cost-effective solution that has been amazingly overlooked, which I reveal herein below and which legislators in Oregon are examining at this time (Congressman Greg Walden wrote to Chief Tooke and Steed about this method recently).

I pray this can be a feather in your hat and benefit both you and President Trump.

Please, please consider the following well-researched thesis that is supported by extensive empirical data:

Catastrophic wildfires are literally deforesting America at an alarming rate, and greatly affects air and water quality. This problem alone presents a myriad of secondary and tertiary problems related to National Security, Public Health (toxic smoke affecting millions of citizens annually), Economic impacts related to timber, watersheds & fisheries, and the aggregate costs of mitigation and losses exceed $100-Billion annually (just the annual insurance related losses are in the many tens of $-billions).

In January 2018 (short session of the Oregon Legislature) Oregon Senator Al DeBoer's office formally submitted my testimony about the Natural Wildfire Abatement And Forest Protection Plan to the ***Oregon Legislature's Fire Caucus*** (2-28-18).

Testimony of William E. Simpson II
Naturalist - Rancher
Wildhorse Ranch, Siskiyou County, CA
P.O. Box 202 - Yreka, CA 96097
Before the Oregon Senate Interim Committee On Environment and Natural Resources
February 28, 2018
Page 1 of 3

Chairman Dembrow, Vice Chair Olsen and committee members, thank you for the opportunity to discuss the issue of catastrophic wildfires of State and National Forests. I spent my formative years on a working livestock ranch in the Applegate Valley of Southern Oregon and working in the forests as a logger as a young man. I attended Oregon State University as a science major and later attended Lane Community College and obtained a specialty degree in Flight Technology. I have worked around the globe in numerous capacities, including as a field gemologist and acquisitions agent for the Lyman Museum and Ben Bridge Jewelers and others, as a gemology instructor at the University of Hawaii Maui Campus, as a commercial pilot and a master mariner with commendation from the United States Coast Guard for search and rescue. I am considered an expert in the behavioral ecology of wild horses, and have along with my wife lived among wild horses for the past four-years studying and documenting them in a natural ecosystem, something few people

in the world have done. I am an inventor and the recipient of numerous U.S. Patents ranging from system hydraulics to Internet software to aerodynamic control systems. I am also the author of more than two-hundred published articles and papers, with over one-hundred of those delving into science-oriented subjects, including wildfire, wildlife and forest management concepts, and wild horses.

Likened to a water well, when the water runs out, it matters not who is pumping the well; rich man, poor man, Democrat or Republican. Our economy and its available natural resources are also finite and as our population grows the demands on resources increase and at a time when our limited natural resources are being diminished. There is nothing natural about catastrophic wildfire, which burns at temperatures well in excess of normal wildfire devastating much more than forests. As this Committee is aware, the toxic smoke from these months-long catastrophic wildfires is causing a significant increase in related cardio-pulmonary diseases and the direct and secondary health care costs will likely extend into the tens of millions of dollars. Catastrophic wildfire is not by any definition 'normal'; it is man-caused by flawed wildlife management leading to the depletion of cervids (deer) resulting in excess grasses and brush (ground fuels) in and around our forests. The notion of 'coexisting with catastrophic wildfire' is simply obtuse when there is an easily deployed method that would devolve these extreme fires back into the realm of normal wildfire by removing some of the ground fuels that make wildfire catastrophically hot. The best science [1] cites that; “By altering the quantity and distribution of fuel supplies, large herbivores can shape the frequency, intensity, and spatial distribution of fires across a landscape".

Catastrophic Wildfire: Genesis And Mitigation

The relatively recent evolution of worsening catastrophic wildfire trends, including *megafire*, is a function of many factors including but not limited to past forestry practices, climate change producing more rain in western U.S. forest landscapes and the resulting prodigious amounts of annual grasses and brush (‘ground fuels’), which is then subjected to longer warmer summers. These excessive hazardous ground fuels in and around forests and the wild-land urban interface are the result of reduced grazing by significant declines in deer populations. In and around western forest landscapes, deer have a critical mutualistic role in protecting forests by maintaining ground fuels at nominal levels.

However with the advent of the recent decline in western deer populations many millions of tons of annually occurring grass and brush remains intact as un-grazed ground fuel. Much of this excessive ground fuel is in very remote and virtually inaccessible wilderness areas where rugged terrain and numerous apex predators make traditional ground fuel abatement methods, including livestock grazing impractical if not impossible. One novel approach to dealing with this ground fuel problem and thereby creating more fire-resilient forests is posited by the reintroduction of native-species herbivores (American wild horses) to substitute for seriously depleted deer and thereby reestablishing nominal ground fuel loads via grazing at least or until such time as cervid populations are returned to nominal levels. Such a plan fits within the scope of both established foundational science and common-sense, as well as the intent and purpose of established and pending Law providing local and state governments with the acquisition of wild horses from corrals; ‘excess animals’. https://www.congress.gov/bill/115th-congress/house-bill/3354 - Section 114 - transfer of excess animals.

In light of the foundational science [1] in regard to the evolution of catastrophic wildfire in areas where populations of large-bodied herbivores that normally graze ground fuels have become depleted, the reintroduction of substitute large-bodied herbivores is logical and provides a mechanism for natural ground fuel control. Clearly the reduction of ground fuels by grazing herbivores creates and maintains fire resistant landscapes. In many western states where deer have suffered significant population depletions we now coincidentally observe trending catastrophic wildfires. Therefore the reintroduction of large-bodied herbivores such as the readily available wild horses in the BLM corrals offers the potential to cost-effectively repopulate missing herbivores at least or until deer populations are recovered.

A pilot study seems logical if wild horses were carefully allocated into deer-depleted areas in and around remote forest areas with difficult terrain and access issues. Such areas consistently present great difficulty for conventional ground fuel abatement methods and in many cases such methods are impractical or impossible. Furthermore, areas with difficult access and terrain present great challenges and risks for personnel and greatly increased costs for fire suppression. In these particular areas focusing upon prevention seems prudent via an ongoing natural method of ground fuel mitigation via large bodied herbivores such as wild horses.

Wild equids seem to be the optimal herbivore for rebuilding fire damaged soils due to their simple monogastric digestive system. Manure from wild horses adds hummus, nutrients and microorganisms as well providing redistribution of native plant seeds intact across the landscape to a much greater percentage than any other herbivores, such as ruminants with complex digestive systems. (http://www.deerfriendly.com/wildfire/-fire-grazing-impact-of-wild-horses-vs-livestock-on-wildfire-regime)

We have testimony of empirical evidence of the efficacy of the concept in hand, to wit:

"I still like the idea of the horse and I would love to see a controlled area with them to really see what they are capable of. I have seen the work they have done on your property and it looked good but spotty with the low numbers they have. Additionally I really think they have a place in the fuel reduction world." ~ ODF fire fighter Cascade-Siskiyou National Forest.

Wild Horse Grazing Pilot:

Federal, state and/or county authorities can identify areas meeting certain criteria including; remote/difficult access areas with potential for re-burn on fire scars, areas with exigent risk to forest products (timber, new production and restoration protection) and protection for fragile forest ecosystems at risk for catastrophic wildfire. Once an area is identified the carrying capacity of the land (based on soils classes) is established. The total carrying capacity would include and be adjusted for the existing populations of large herbivores (deer-elk), and then add enough wild horses to match 50% of the total estimated carrying capacity. Carrying capacity varies with soil class and the ability of soils to support plant growth annually. Fire scorched soils have reduced carrying capacities for grazing due to the pasteurization (death of beneficial microorganisms) of soils and sublimation of minerals and mineral analogs. The optimal herbivore for rebuilding fire damaged soils is a wild horse due to its simple monogastric digestive system. The manure from wild horses adds hummus, nutrients, microorganisms as well redistribution of native plant seeds intact across the landscape. (https://www.horsetalk.co.nz/2018/01/08/fire-grazing-wild-horses-better-cattle)

Wild horses should only be used in and around remote areas that are unsuited to livestock grazing and/or mechanical ground fuel abatement methods. Such unsuited areas for livestock would include (i) fragile ecosystems, (ii) recently burned areas containing scorched (pasteurized soils) and or (iii) areas of difficult terrain/access and or high predator levels making them unsuited for livestock and range management methods. Fire and landscape ecologists along with an appointed wild horse ecologist would monitor their humane deployment and efficacy in pilot areas during a 48-month period, ideally in several locations.

Using established monitoring programs for deer and elk, wild horses can be studied in their assigned forest ecosystems. The areas selected would be surveilled periodically with considerations of pre and post deployment effects of wild horses upon annually recurring grasses/brush ground fuels and forest landscapes. It is expected that as natural prey of mountain lions wild horse numbers would be reduced by some percentage annually in this natural process. Therefore at some point breeding populations with intact stallions would be required to maintain a balance until booming apex predator populations can be brought under control and deer populations re-established to historic levels.

Scientists also believe that wild horses may hold the key to solving the mystery of Chronic Wasting Disease (CWD) that is decimating herds of cervids (deer) in America, as we read here: https://www.environews.tv/022718-wild-horses-may-hold-solution-slowing-spread-fatal-chronic-wasting-disease-deer-elk/

Potential Pilot Areas And Proposed Allocations:

1: Rogue-River Siskiyou National Forest *(Kalmiopsis Wilderness Area, ~180,000 acres in Curry County, OR); very remote rugged terrain; site of multiple catastrophic wildfires; proposed allocation one (1) horse per 300-acres.*

2. Six Rivers National Forest *(~1-million acres in Siskiyou County, CA); very remote rugged terrain; site of multiple catastrophic wildfires; allocation one (1) horse per 300-acres.*

3. Cascade-Siskiyou National Monument *(~58,000 acres in Jackson County, OR); semi-remote fragile forest ecosystem in difficult terrain; heavy ground fuel loading; proposed allocation one (1) horse per 100-acres.*

---

[1] Collapse of the world's largest herbivores

William J. Ripple[1,], Thomas M. Newsome[1,2], Christopher Wolf[1], Rodolfo Dirzo[3], Kristoffer T. Everatt[4], Mauro Galetti[5], Matt W. Hayward[4,6], Graham I. H. Kerley[4], Taal Levi[7], Peter A. Lindsey[8,9], David W. Macdonald[10], Yadvinder Malhi[11], Luke E. Painter[7], Christopher J. Sandom[10], John Terborgh[12] and Blaire Van Valkenburgh[13]*

[1]Trophic Cascades Program, Department of Forest Ecosystems and Society, Oregon State University, Corvallis, OR 97331, USA. [2]Desert Ecology Research Group, School of Biological Sciences, The University of Sydney, Sydney, New South Wales 2006, Australia. [3]Department of Biology, Stanford University, Stanford, CA 94305, USA. [4]Centre for African Conservation Ecology, Department of Zoology, Nelson Mandela Metropolitan University, Port Elizabeth 6031, South Africa. [5]Departamento de Ecologia, Universidade Estadual Paulista (UNESP), C.P. 199, Rio Claro, São Paulo 13506-900, Brazil. [6]College of Natural Sciences, Bangor University, Thoday Building, Deiniol Road, Bangor, Gwynedd LL572UW, UK. [7]Department of Fisheries and Wildlife, Oregon State University, Corvallis, OR 97331, USA. [8]Lion Program, Panthera, 8 West 40th Street, 18th Floor, New York, NY 10018, USA. [9]Mammal Research Institute, Department of Zoology and Entomology, University of Pretoria, Pretoria, Gauteng 0001, South Africa. [10]Wildlife Conservation Research Unit, Department of Zoology, University of Oxford, Recanati-Kaplan Centre, Tubney House, Tubney, Abingdon OX13 5QL, UK. [11]Environmental Change Institute, School of Geography and the Environment, University of Oxford, Oxford OX1 3QY, UK. [12]Nicholas School of the Environment and Earth Sciences, Duke University, P. O. Box 90381, Durham, NC 27708, USA. [13]Department of Ecology and Evolutionary Biology, University of California, Los Angeles, Los Angeles, CA 90095–7239, USA.

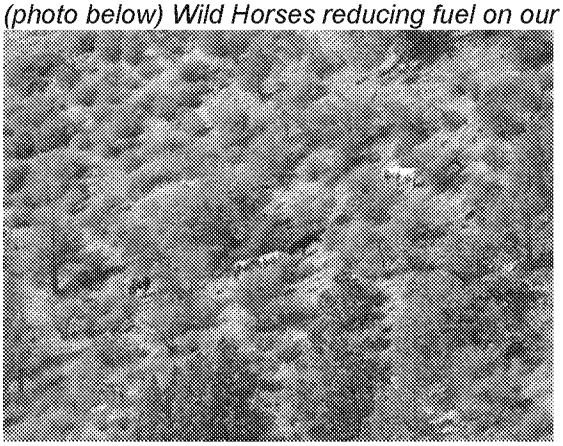
The 48,000 available horses in the BLM/USFS corrals could be deployed into the key areas (not suitable to livestock grazing, difficult access areas, off-limits fragile ecosystems like the Cascade Monument)... And as an aggregate, they will without any doubt abate 264,000-Tons of grass and brush annually...

What is the value of that ground fuel mitigation work on an annualized basis? We lose this tool forever if they are killed this year as some are planning... that's what makes this an exigent situation as far as highlighting this particular tool.

Here is a video of a wild mare abating woody fuel that domestic horses won't touch:

https://drive.google.com/file/d/0B5zON7zDatuqZG9sOWFxdVFuNWc/view

(photo below) Wild Horses reducing fuel on our ranch on a very steep mountain side:



The BLM has said it is desperately seeking '*any solution that is politically and financially feasible*' that would not require the killing of America's wild horses. The Plan outlined herein fits those prerequisites.

The core issue seems to be that some people underestimate or discount their intrinsic value within naturally operating ecosystems, including and especially forest ecosystems. Many scientists incorrectly sought horse fossils on grasslands not understanding that many wild horses have forest mutualisms based upon forest evolution. Now, that this incorrect perspective has changed, horses fossils are being found in forests around the world, including in our own forest here in the Cascade-Siskiyou National Monument, which shares the fence with our ranch. Cosmos just featured an article on this new breakthrough:
https://cosmosmagazine.com/biology/into-the-woods-horses-survived-mass-extinction-by-adapting-to-forests

Worse yet, others assert and assign blame for a host issues onto the wild horses and in doing so, mischaracterize their behavioral ecology and population numbers. More here: https://www.horsetalk.co.nz/2017/09/25/evolution-wild-horses-cattle-effect-range-damage/

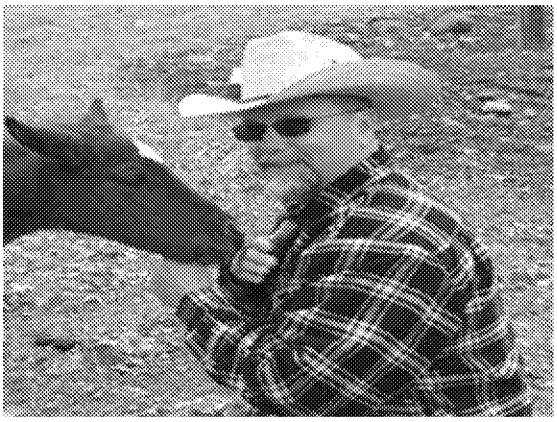
Furthermore, wild horses and their strong genetic lines, may ultimately provide a 'saving grace' for the highly inbreed domestic horses and their gene-lines that are now weaken through thousands of years of inbreeding resulting in many genetically related maladies that are not seen in wild horses, as is cited here:
https://www.horsetalk.co.nz/2018/02/04/powers-wild-horses-genetics/

My wife and I live among wild horses, and we have been studying them, photographing and filming them for the past 4-years on our privately owned (open range) wildlife/wild horse preserve, where the horses are not fenced-in and roam freely over the lands and through our forests. Few people in the world literally live among the wild ones 24/7, 365-days a year for nearly half a decade... we have and continue to do so. And I have the background in science to understand how to make and interpret our observations (see attached letters), which support the plan I have put forth title the Natural Wildfire Abatement And Forest Protection Plan.

Each wild horse that grazes in and around forest ecosystems abates 5.5 tons of grass and brush annually. They make no sparks, don't drip fuel/oil and safety abate hazardous ground fuels (grass and brush) in July, August, Sept, without any risk of causing fire. And they do not engage in logging as they perform as they have naturally for millennia.

Wild horses are ideal large-bodied herebivores for use grazing existing fire scars (millions of acres) for reasons cited in this article: http://www.deerfriendly.com/wildfire/-fire-grazing-impact-of-wild-horses-vs-livestock-on-wildfire-regime

==========



Capt. William E. Simpson II - USMM Ret.
Member: *Authors Guild*
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Contently: *https://captbill.contently.com/*
Phone: **Ex. 6**

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Message

From: Neil J Naraine [Neil.Naraine@ipaper.com]
Sent: 4/6/2018 3:18:06 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: [External] : Trump says Pruitt doing 'great job' and is 'TOTALLY under siege'

Sent from my iPhone

Begin forwarded message:

From: "POLITICO Pro" <politicoemail@politicopro.com>
Date: April 6, 2018 at 11:15:54 AM EDT
To: <neil.naraine@ipaper.com>
Subject: [External] : Trump says Pruitt doing 'great job' and is 'TOTALLY under siege'
Reply-To: "POLITICO subscriptions" <reply-fe8d137476650d7e72-1158573_HTML-775594078-1376319-0@politicoemail.com>

By Cristiano Lima

04/06/2018 11:13 AM EDT

President Donald Trump today voiced fresh support for his embattled EPA chief, Scott Pruitt, saying he is doing a "great job," while blasting reports that he's considering replacing Attorney General Jeff Sessions with Pruitt.

"Do you believe that the Fake News Media is pushing hard on a story that I am going to replace A.G. Jeff Sessions with EPA Chief Scott Pruitt, who is doing a great job but is TOTALLY under siege?" the president wrote. "Do people really believe this stuff? So much of the media is dishonest and corrupt!"

According to a CNN report, Trump floated replacing Sessions atop DOJ with Pruitt, even as the agency chief battles deepening ethics scandals over his lavish travel habits, security costs and coziness with lobbyists.

The president on Thursday praised Pruitt for doing a "fantastic job" at the agency, telling reporters he still had confidence in the Cabinet member.

White House officials said this week that Trump is pleased with Pruitt's efforts to roll back environmental regulations at the agency, but some said Trump and other West Wing aides are getting increasingly frustrated with Pruitt's series of scandals.

To view online:
https://www.politicopro.com/agriculture/whiteboard/2018/04/trump-says-pruitt-doing-great-job-and-is-totally-under-siege-965708

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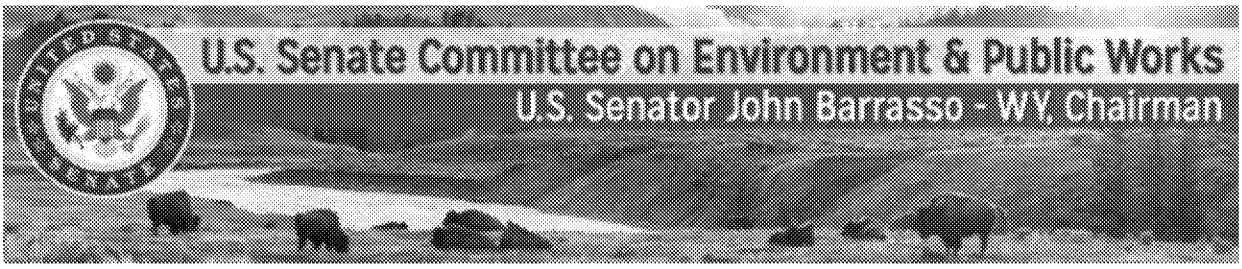
Message

From: Russell, Richard (EPW) [Richard_Russell@epw.senate.gov]
Sent: 4/10/2018 5:13:12 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: FW: Barrasso Statement on Democrats' Letter

From: Danylak, Mike (EPW)
Sent: Tuesday, April 10, 2018 1:12 PM
To: Danylak, Mike (EPW) <Mike_Danylak@epw.senate.gov>
Subject: Barrasso Statement on Democrats' Letter



For Immediate Release:
April 10, 2018

Contact: Mike Danylak ~202.224.1049
Mike_Danylak@EPW.Senate.Gov

Barrasso Statement on Democrats' Letter

WASHINGTON, D.C. — Today, U.S. Senator John Barrasso (R-WY), chairman of the Senate Committee on Environment and Public Works (EPW), released the following statement on the letter sent to him by the committee's ranking member, Sen. Tom Carper (D-DE), and committee member Sen. Sheldon Whitehouse (D-RI). The Carper-Whitehouse letter directly quoted "law enforcement sensitive information" that "should not be further disseminated without the concurrence of the [Office of the Inspector General] OIG" of the Environmental Protection Agency (EPA) or "without Secret Service approval."

"I am deeply troubled that members of the committee would publicly release law enforcement sensitive information regarding the safety and security of a cabinet member and his family," **said Barrasso**. "This letter selectively quotes non-public documents. Any reasonable reading of these documents supports the Office of the Inspector General's statements that Administrator Pruitt faces a 'variety of direct death threats.' This is exactly why members should not publicly disclose information that relates to the safety of a cabinet member. It is also why this committee will not hold a hearing on this issue."

###

http://epw.senate.gov
Twitter | YouTube

Message

From: Virginia Ruiz [vruiz@farmworkerjustice.org]
Sent: 3/31/2018 4:19:09 PM
To: Pruitt, Scott [Pruitt.Scott@epa.gov]
CC: Jackson, Ryan [jackson.ryan@epa.gov]; Bertrand, Charlotte [Bertrand.Charlotte@epa.gov]; Keigwin, Richard [Keigwin.Richard@epa.gov]; Keaney, Kevin [Keaney.Kevin@epa.gov]
Subject: Protections for agricultural workers and pesticide applicators
Attachments: WPS-CPA letter to EPA 3-31-2018.pdf

Dear Administrator Pruitt:

On behalf of more than 125 organizations representing children, faith, agriculture, health, labor, human rights and environmental organizations, we urge you to preserve the protections provided by the final Agricultural Worker Protection Standard (WPS) and Certification of Pesticide Applicators rule (CPA) (as published in the Federal Register on November 2, 2015 and January 4, 2017, respectively).

Please see attached for the full letter and don't hesitate to contact me if you have any questions.

Respectfully,

Virginia Ruiz
Director of Occupational and Environmental Health
Farmworker Justice

March 31, 2018

The Honorable Scott Pruitt
Administrator
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Ave., NW
Washington, DC 20460

Dear Administrator Pruitt:

The undersigned organizations write to oppose any changes by the Environmental Protection Agency ("EPA") to the requirements in the Agricultural Worker Protection Standard ("WPS") and Certification of Pesticide Applicators rule (CPA).[1]

Over 15 years ago, an EPA report stated that "pesticide poisoning in the United States remains under-recognized and under-treated…despite the ubiquity of pesticides in our homes, workplaces, and communities, and despite the considerable potential for pesticide-related illnesses and injury."[2] Farmworkers have one of the highest rates of chemical exposures among U.S. workers and they suffer acute pesticide poisoning every year through occupational exposures and pesticide drift. Studies have shown that agricultural workers suffer serious short- and long-term health effects from exposure to pesticides. The WPS and CPA rules provide vital protections from exposure to toxic pesticides for hired farmworkers, pesticide applicators, their families and the general public in communities across the United States. In revising these rules, the EPA recognized that the weight of evidence suggests that the new requirements, "will result in long-term health benefits to agricultural workers, pesticide handlers,"[3] and "to certified and noncertified applicators, as well as to the public and the environment."[4]

After more than a decade of stakeholder input and analysis, the EPA revised the WPS and CPA rule to prevent injury and illness to the children, women and men who work around pesticides in agriculture, or who come into contact with pesticides in other settings. EPA found that the new safeguards are necessary to address the known dangers associated with pesticide use. The WPS applies to hired workers and pesticide handlers who labor in farms, fields, nurseries, greenhouses and forests. The CPA rule governs the training and certification requirements of workers who apply Restricted Use Pesticides ("RUPs") in a variety of settings, including homes, schools, hospitals, as well as agricultural and industrial establishments. RUPs are some of the most toxic and dangerous pesticides on the market.

We are concerned that the EPA may weaken critical safeguards meant to protect agricultural workers, the public, and the environment. Among the many important provisions in the rules, the Agency has stated its intent to reconsider the minimum age protections that prohibit children from applying pesticides, the right of farmworkers to access pesticide application information

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[1] 82 Fed. Reg. 60, 195 (Dec. 19, 2017); 82 Fed. Reg. 60,576 (Dec. 21, 2017).
[2] National Pesticide Practice Skills Guidelines for Medical and Nursing Practice (January 2003). Available at https://nepis.epa.gov/Exe/ZyPDF.cgi/2000JJGY.PDF?Dockey=2000JJGY.PDF
[3] 80 Fed. Reg. 67,499 (Nov. 2, 2015)
[4] 82 Fed. Reg. 957 (Jan. 4, 2017)

through a designated representative, and protections for bystanders through "application exclusion zones," which require that an applicator suspend pesticide application if "an unprotected/non-trained person" enters the area around the application equipment.

Undermining these important protections cannot be justified. We urge you to preserve the existing protections and to move forward with full implementation and enforcement.

Respectfully,

Farmworker Justice
Advocates for Basic Legal Equality, Inc.
Alabama Association of Cooperatives
Alianza Nacional de Campesinas / National Farmworker Women Alliance
American Federation of Government Employees (AFL-CIO)
American Federation of Government Employees Local 3354
American Federation of Labor–Congress of Industrial Organizations (AFL-CIO)
Association of Farmworker Opportunity Programs
Azul
Beyond Pesticides
Beyond Toxics
Black Farmers & Agriculturalists Association
Black Mesa Water Coalition
Californians for Pesticide Reform
Calvario City Church
Cardinal Student/Farmworker Alliance
CATA - The Farmworker Support Committee
Central California Environmental Justice Network
Central Florida BREAD
Central Florida Jobs with Justice
Centro Campesino
Centro de los Derechos del Migrante, Inc.
Child Labor Coalition
Citizens Sustainability League of ND
Climate Justice Alliance
Coalition Advocating for Pesticide Safety
Columbia Legal Services
Coming Clean
Community Farm Alliance
CRLA Foundation
Earthjustice
El Pueblo, Inc.
Fair World Project
Fairtrade America
Family Farm Defenders
Farms Not Arms
Farmworker Association of Florida
Farmworker's Self-Help
First Unitarian Church of Orlando

Florida Abolitionist
Florida Center for Fiscal and Economic Policy
Florida Immigrant Coalition
Florida Legal Services, Inc.
Florida Organic Growers
Food Chain Workers Alliance
Friends of Broward Detainees
Friends of Miami-Dade Detainees
Friends of the Earth
Grassroots Global Justice Alliance
Green America
Greene County Democrat
GreenLatinos
GreenRoots
Healthy Building Network
Hispanic Federation
Hispanic National Bar Association
Human Rights Watch
Interfaith Movement for Immigrant Justice
Interfaith Worker Justice
International Labor Rights Forum
Johns Hopkins Center for a Livable Future
Justice in Motion
Labor Council for Latin American Advancement
LatinoJustice PRLDEF
Legal Aid Justice Center, Virginia
LiveWell Colorado
Lomakatsi Restoration Project
Los Jardines Institute
MANA, A National Latina Organization
Media Voices for Children
Migrant Clinicians Network
Migrant Legal Action Program
Mississippi Workers' Center for Human Rights
Nanas, Papas and Friends
National Consumers League
National COSH
National Employment Law Project
National Family Farm Coalition
National Farm Worker Ministry
National Farmworker Alliance
National Latina/o Psychological Association
National Latino Evangelical Coalition
National Latino Farmers & Ranchers Trade Association
National Migrant and Seasonal Headstart Association
New Jersey Coalition for Climate Justice
New Mexico Center on Law and Poverty
Nontoxic Certified

North Carolina Justice Center
Northeastern Environmental Justice Research Collaborative
Northwest Atlantic Marine Alliance
Northwest Center for Alternatives to Pesticides (NCAP)
Northwest Forest Worker Center
Northwest Workers' Justice Project
Oregon Interfaith Movement for Immigrant Justice
Organización en California de Lideres Campesinas, Inc.
Organize Florida
Park Lake Presbyterian Church
PCUN-Pineros y Campesinos Unidos del Noroeste
Peace Roots Alliance
Pesticide Action Network
PLBA Housing Development Corporation
Portland Jobs With Justice
Progressive Caucus Center
Public Citizen
Public Justice
QLatinx
Rural & Migrant Ministry
Rural Advancement Fund of the National Sharecroppers, Inc
Rural Coalition/Coalición Rural
SER Jobs for Progress National Inc.
Soul Fire Farm Institute
South Florida Interfaith Worker Justice
St. Luke's United Methodist Church, Orlando
The Common Market
UFW Foundation
Unite Oregon
United Farm Workers
United Migrant Opportunity Services/UMOS Inc.
University Lutheran Chapel of Berkeley
Voces
Voto Latino
Warehouse Worker Resource Center
WeCount!
Winrock International
Worker Justice Center of New York, Inc.
Workers' Center of Central New York

cc: Ryan Jackson, Chief of Staff, Office of the Administrator
Charlotte Bertrand, Acting Principal Deputy Assistant Administrator, Office of Chemical Safety and Pollution Prevention
Rick Keigwin, Director, Office of Pesticide Programs
Kevin Keaney, Branch Chief, Field and External Affairs Division, Office of Pesticide Programs

Message

From: Ernie Rosenberg [contact@ernierosenberg.com]
Sent: 3/26/2018 6:35:16 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Tom Davis Ex. 6
Subject: Environmental, Health, Safety and Sustainability Roundtable -- April 11.

Hi, Ryan,

Just checking to see if you've received information from the Environmental, Health, Safety and Sustainability Roundtable and that you are still on for dinner on the 11th.

By the time you get this, we'll be on our way out of the country, so have your office coordinate directly with Tom:

Ex. 6

Thank you again and I'll have the paperwork done shortly after I get back on the 9th.

Ernie

Ernie Rosenberg, Principal
Ernie Rosenberg & Associates
6304 Kellogg Drive
McLean, VA 22101
Ex. 6
contact@ernierosenberg.com

Message

From: Training- Continuity of Operations in Government [Training@govcoop.org]
Sent: 3/31/2018 4:11:36 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Just Announced: COOP Training for Government Workshop XXV

Please Forward to Others In Your Organization

Continuity of Operations (COOP) in Government
Training Workshop XXV
(the 25th offering of this highly successful training)
Preparing Your Agency for a Disaster or Emergency

Willard InterContinental Hotel
Washington, D.C.

Two Full Days of Intensive Training
May 23-24, 2018

sponsored by
Potomac Forum, Ltd
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The Recognized Leader in High Quality Training Since 1982

Keynote: Director Richard M. Chávez
Director, Office of Operations Coordination,
DHS
DHS Senior Executive Continuity Coordinator
Reporting Directly to Secretary of DHS
--
Veronica (Roni) M. Glass
Deputy Director, Continuity Division
Office of Operations Coordination
DHS
--
Kenneth Briscoe
Chief, Readiness Branch
Continuity Division
Office of Operations Coordination

DHS
--
Calvin W. Turner, Jr.
Director, National Finance Center, USDA
(NFC is the "Poster Child" for Data Center Relocation & Reconstitution)
(Awaiting Final Confirmation)
--
Joe Douglas, ABCP
Continuity Program Manager, USITC

Overview:
Government and Industry Leaders Present Practical Solutions to Government Continuity of Operations Requirements.

This is a "How To" workshop "with proven instructors and guest speakers. Rated as "Excellent" the previous 24 workshop sessions!

Overview:

- *With the latest series of natural disasters in Texas, Louisiana, Puerto Rico, Virgin Islands, and the crippling winter storms in the Northeast, has your organization realized it was not fully prepared to cope with a catastrophic event?*

- *Is your preparation adequate to maintain continuity of your government functions?*

- *Learn from others including the Director of the Department of Agriculture National Finance Center whose proven leadership successfully implemented a COOP plan and continued mission essential functions during a hurricane that destroyed his facility.*

- *Learn New COOP Requirements, Federal Government Policy, Best & Proven Practices and what they mean for your organization.*
- *The Federal Government's continuity requirements are currently being updated and this workshop will address new developments and how it will impact your organization.*
-
- *New emphasis has been placed on Federal Career and Newly Appointed Leadership to insure continuity in all mission aspects.*

- *There will be no excuses for lack of performance in the event of an emergency. Your agency leadership is more dependent than ever on its COOP personal.*

Demonstrated Commitment to Value and Performance: Potomac Forum is so confident that each and every attendee will be pleased with the information presented and its value to the government that Potomac

Forum will provide a FULL RETURN OF REGISTRATION FEE for any student that does not find the two day workshop of value to their organization.

Consider this Workshop...

- ***If you have recently taken over an existing COOP Program and want to ensure that it is up to speed with the industry's best practices***
- ***If you have a COOP Program that is just taking off***
- ***If you have an established COOP Program and need to find new areas to quickly and easily improve***
- ***If you are looking for ways to make your COOP Program execute effectively on a "bad day"***
- ***If you are new to the Federal COOP environment***
- ***If you are in top leadership and need to learn more about what you are "on the hook" for within COOP***
- ***If you are not satisfied with your current agency COOP Plan or Policy***
- ***If you have new Agency Leadership and want to be better prepared to discuss COOP***

... then this is the training for you to deliver a practical and sustainable COOP Program that complies with government regulations, best practices and effective management.

What You Will Learn:

- ***Define all aspects of COOP***
- ***Develop an action plan for delivering your COOP Program that shows regular***
- ***How to effectively engage Telework within your COOP Program***
- ***How development of executable procedures first drives policy development later***
- ***Describe the activities involved in developing and implementing a sound COOP strategy***
- ***Develop a COOP Implementation plan complete with Emergency Response Strategies***
- ***Understand the COOP, IT Infrastructure relationship and how to better connect the two***
- ***Distinguish between Continuity of Operations and Disaster Recovery and understand how both areas are critical to contingency planning***
- ***How to promote personal preparedness with each individual COOP Team Member***
- ***Justify COOP program and testing***
- ***Understand the increasing responsibilities on Human Resources, Logistics and Contract Management brought about by the Implementation of COOP planning***

- *Understand Government regulations on COOP and Business Continuity and how they pertain to your agency and why (including The Disaster Recovery Plan and the Information Systems Contingency Plan according to NIST 800-34 Ref. 1 and Federal COOP Guidelines - FCD-1/FCD-2/NCP Implementation Plan)*

Why You Should Attend:

- *Learn how the cooperation of Continuity of Operation Planning and Disaster Recovery is an essential requirement for government emergency preparedness*
- *Network with your colleagues on COOP/DR capability in the Federal, State, Local Government*
- *Review the development phases, tasks, and how to deploy personnel for COOP/DR implementations, testing, and exercises*
- *Understand the best COOP/DR Architecture for your organization*
- *Get some practical experience in COOP/DR concepts and planning through the course workshops*
- *Gain insight into building resilient data centers that scale efficiently*
- *Learn the importance of data integrity and how to protect it*
- *Understand the reasons why some COOP/DR implementations fail*
- *Apply techniques to maximize the efficiency of your IT and Systems contingency plans*

Who Should Attend:

- *Program Managers responsible program operation*
- *Senior Leadership who own the COOP Program*
- *Senior Leadership who is Accountable for COOP Planning, Policy and/or Implementation*
- *Middle managers and staff tasked with the development and implementation of COOP*
- *Facility managers of Alternate and Emergency Relocation Sites*
- *IT Managers and Staff tasked with Information Systems Contingency Planning according to NIST SP800-34 Rev. 1 Guidance*
- *IGs, QA Managers and Staff*
- *Procurement Staff responsible for COOP Contracting*
- *Human Resource Managers and Supervisors responsible for Implementing COOP Telework and tracking personnel during emergencies*
- *State and Local Government COOP Planners*
- *Industry managers and staff supporting the government*

While this workshop is focused on federal COOP, many State and Local Governments

have attended and found the information relevant and useful

For Information or Registration:
www.potomacforum.org
or Call (703) 683-1613

Federal, State and Local Government & Industry Invited to Register
Press is NOT Invited to Attend to Permit Candid Discussion Among the Attendees

"Send-A-Team" Reduced Registration Fee

Early Bird Reduced Registration Until May 4th

Student Comments from Previous COOP Training Workshops

This workshop was well worth the price of admission! Topics were all relevant, well organized, and substantive in content and professionally delivered. I have novices updating COOP plans and developing a Reconstitution and Devolution Plan. They will benefit from the CDs (provided by Potomac Forum) I will send them to help with their taskers. I am very critical of presentations and this was impressive and worth my time.
Director - Emergency Response and Continuity Programs
Civilian Agency

I cannot express to you how pleased I am with the content of instruction and the caliber of the presenters. I have a renewed commitment to make my program visible and best in class. Thank you (Potomac Forum) for giving me the tools for COOP success.
Emergency Management Officer
OIG - Government Civilian Agency

Well Run - excellent information. Great Presenters. The depth of information and knowledge shown by presenters was exceptional
Thank You! I will recommend this workshop to our leadership and will send other son my team to the next event.
Emergency Response Coordinator
Civilian Department

The workshop was very beneficial. If I had to develop a COOP plan, I would be able to know where to start and know what to do.
Thank You! The instructors were very knowledgeable and if other courses are offered, I would love to attend.
Security Specialist
Department of Commerce Agency

The workshop was excellent. It helped me see the picture and also offered great insight on how to move forward, gain state-holder buy-in and leverage existing resources.
Information Systems Security Officer
DHS Agency

Very good information that can be used at any level of agency
IT Specialist (Security)
Dept of Interior

Very Knowledgeable speakers and Up to date/current information
Government Contractor

"Early Bird" Reduced Registration Fee Until May 4th
"Send-A-Team" Registration Fees

Workshop Available to Government & Industry Partners

Registration or Information:
www.PotomacForum.org

Call: (703) 683-1613

Info@potomacforum.org

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AFFIRM
Association for Federal Information Resources Management

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Thank You.

This email was sent to: jackson.ryan@epa.gov

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We respect your right to privacy. View our policy.

Potomac Forum, Ltd.

This email was sent by: **Potomac Forum, Ltd.**
400 North Washington Street , Alexandria , Virginia, 22314 , USA

Message

From: Michael K. Henry [mhenry@alpinegroup.com]
Sent: 4/12/2018 2:21:59 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Meeting Request - April 26

I know you are up to your ass in armadillos.....but any thoughts on this meeting request? We have a call this afternoon, so I'd like to report in.

Thanks!

Mike

On Apr 9, 2018, at 1:52 PM, Michael K. Henry <mhenry@alpinegroup.com> wrote:

> Yeah, cafe. It's the big wigs with Honeywell, so are asking for face time with the Administrator. Possible?
>
> Thanks, brother!
>
> Mike
> Ex. 6
>
> On Apr 9, 2018, at 1:50 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>
> > On cafe? Let me call you back or in the meantime Mandy can get with you quicker.
> >
> > Ryan Jackson
> > Chief of Staff
> > U.S. EPA
> > Ex. 6
> >
> > On Apr 9, 2018, at 1:34 PM, Michael K. Henry <mhenry@alpinegroup.com> wrote:
> >
> > > Hey, just following up. Sorry to pester.
> > >
> > > Mike
> > >
> > > On Apr 6, 2018, at 3:45 PM, Michael K. Henry <mhenry@alpinegroup.com> wrote:
> > >
> > > > Ryan-
> > > >
> > > > Sorry to bug you, as I appreciate you have a lot of irons in the fire.

We represent Honeywell and a group of senior executives are hoping to come in the morning of April 26 to meet with the Administrator to discuss CAFE. I'm happy to supply more specifics.

Attending would be:
Darius Adamczyk, Honeywell President and CEO
George Koutsaftes, President Advanced Materials
Jim Carroll, head of Honeywell's DC office
Amy Chiang, Honeywell
Michael Henry, Alpine Group

FYI, Phil Cox might have made a similar request to someone else, so apologies if this is duplicative! They asked me to help close out a meeting. Any chance the Administrator is available?

Thanks!

Mike

Message

From: Tom Davis Ex. 6
Sent: 4/3/2018 1:10:08 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Corporate Roundtable April 11/Ernie Rosenberg
Attachments: April 2018.docx

Good morning,
Are you OK for April 11 dinner remarks? Questions? We can talk by phone is you are available.
Agenda is attached,
Remarks are informal, no press and 15-20 minutes...OK?

Tom Davis

Ex. 6

Email: Ex. 6

Environmental, Health, Safety & Sustainability Roundtable

April 11-12, 2018 Agenda

National Press Club – Holeman Lounge

Washington, DC

Wednesday, April 11, 2018

12:00 pm **Buffet lunch** – working lunch & discussion

12:15 pm **Welcome and Self-Introductions**
Daniel Hutter, Chairman and Moderator

Antitrust Caveat
Frank Friedman, President, Frank Friedman & Associates LLC

12:25 pm **UPDATE: Compliance Innovation Group; Smart sectors**
CIG: Andrew Stewart, Counsel, Sidley Austin; Frank Friedman, Frank Friedman Associates
Smart Sectors: Daisy C. Letendre, Senior Advisor for Policy and Strategic Communication, Office of the administrator, USEPA

1:30 pm **Human Rights in Global Supply Chains**
Claude Fontheim, CEO, Fontheim International, LLC

2:30 pm **ORVIS Case Study**
Introduction, Dan Hutter
Tiffany Teaford, Commercialization Manager, The Orvis Company

3:30 pm **The Culture of Safety**
Art Gibson, Vice President EHS, Baxter Healthcare

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4:45-5:15 pm **States Regulatory Update**
Sam Sankar, Executive Director, ECOS

5:15 pm **Adjourn to libations and dinner**
Dinner guest: Ryan Jackson, Chief of Staff, USEPA

Thursday APRIL 12, 2018

7:30 am **Breakfast**

7:45 am **Overview of Regulatory Changes in the Federal Government**
Susan Dudley, Director, George Washington University, Regulatory Studies Center

8:30 am **Environmental NGO Reactions to the Trump Administration**
Lou Leonard, Senior Vice President, Climate and Energy, WWF

9:15 am **Crises Ready: Building an INVINCIBLE Brand in an Uncertain world**
Intro: Annabeth Reitter, DOMTAR
Melissa Agnes, President, Agnes-Day

10:15 am **Flexible Permitting**
Intro: Paul Narog, 3M
Anna Wood, Director, Air Quality Policy Division, USEPA

11:15 am **Adjourn**

FUTURE MEETINGS: *November 13-14, 2018*
April 9-10, 2019
November 12-13, 2019

ED_002480_00087484-00002

Message

From: Elizabeth Osburn [ElizabethOsburn@tulsachamber.com]
Sent: 3/22/2018 5:14:33 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Mike Neal [mikeneal@tulsachamber.com]
Subject: Re: Speaking Invite - Tulsa Chamber DC Fly In

Thank you so much! You're the best!

Elizabeth Osburn | SVP, Government Affairs
Ex. 6
www.TulsaChamber.com

Sent from my iPhone

On Mar 22, 2018, at 10:04 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

On it. Millan Hupp and Hayley Ford will be your contacts on this one.

From: Elizabeth Osburn [mailto:ElizabethOsburn@tulsachamber.com]
Sent: Wednesday, March 21, 2018 5:30 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Cc: Mike Neal <mikeneal@tulsachamber.com>
Subject: Speaking Invite - Tulsa Chamber DC Fly In

Hi Ryan,

I hope you're doing well!

I wanted to reach out and extend an invitation to Administrator Pruitt to speak to the Tulsa Chamber during our Washington, DC Fly In on **Friday, May 11**. (As you might remember, he was out of town last year during our visit, but graciously helped us secure Secretary Zinke.) We're hoping his schedule will be open this year to address our group over breakfast at the Mayflower Hotel.

I've included all of the details below. As a side note, our trip runs from the evening of May 9 through May 11. We would love to have you join us for any time that your schedule is free! Is Michelle Hale still handling logistics, or is there another staffer I should include on this request?

Date: Friday, May 11, 2018
Time: 7:30am to 8:30am (or any one-hour period during the timeframe of 7:30-11:00am)
Location: Mayflower Hotel, Senate Room. 1127 Connecticut Ave. NW, Washington, DC 20036
Attendees: Tulsa Regional Chamber delegation
Appx. 75 CEOs and business/community leaders from the Tulsa region
(Detailed attendee list will be provided)

Thank you so much, and I look forward to hearing from you!
<image001.png>
Elizabeth Osburn | SVP, Government Affairs
elizabethosburn@tulsachamber.com | Ex. 6
www.TulsaChamber.com

This e-mail is confidential and may be privileged. If you are not the intended addressee, (i) you should not read the contents of this e-mail or any attachments, disclose them to any other person or use them in any way, and (ii) please delete this e-mail and any attachments from your system and notify the sender immediately. If you are the intended addressee, please do not forward or otherwise disclose this e-mail or any attachments to any unauthorized person (for avoidance of doubt, please refer to the sender regarding authorized recipients). In the event of an unauthorized disclosure, please notify the sender immediately.

Message

From: Ex. 6
Sent: 3/28/2018 11:32:38 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Scientific References for Ex. 6

Ryan,
Please find the following scientific references .

Thanks Ex. 6

Thomas H. Darrah, Associate Professor
School of Earth Science
275 Mendenhall Laboratory
The Ohio State University
Columbus, OH 43210
Ex. 6
Darrah.24@osu.edu

Professor D. Kip Solomon
Dept of Geology and Geophysics
University of Utah
Salt Lake City, UT 84112
Ex. 6
kip.solomon@utah.edu

Professor Robert Jackson
School of Earth, Energy, and Environmental Sciences
Woods Institute for the Environment
Stanford University
Stanford, California 94305, USA
rob.jackson@stanford.edu
Ex. 6

W. Berry Lyons, Professor
School of Earth Science
275 Mendenhall Laboratory
The Ohio State University
Columbus, OH 43210
Ex. 6
lyons.142@osu.edu

Message

From: Gov Employee Performance & Conduct. Workshop [Training@GovEmployeeConduct.org]
Sent: 3/16/2018 3:04:04 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: March 21st:- Speakers from OPM, DOI/NPS, ED, MSPB, CNCS, NAPA, SEA and more... Gov Employee Performance Workshop

Starts Wednesday, March 21st - Please Forward to Others

Maximizing Employee Performance and Managing Conduct in the Modern Federal Workplace and Meeting the Requirements of Executive Order 13781 Training Workshop II

Beyond the Basics:

What Federal Executives, Managers, and Supervisors Need to Know to Succeed in Implementing Workforce Accountability and Effective Performance Management Improvements for Their Agencies.

Potomac Forum Training Workshop

March 21, 2018

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Potomac Forum Website: www.PotomacForum.org

Location of Workshop:
Willard InterContinental Hotel
Washington, D.C.

Including: Conduct Issued Regarding
Harassment In Gov Workplace:
A Talk about a Topic We Can No Longer Talk Around

Government Speakers:
Veronica Villalobos
Principal Deputy Associate Director, Employee Services Division
OPM

Teresa (Terry) Gerton
CEO and President
NAPA

Marcus Brownrigg
Strategic Partnerships and Communications Advisor, Office of the CEO
Corporation for National and Community Service (CNCS)

N. Tony Nguyen
Associate Director, Workforce, Relevancy & Inclusion Management
National Park Service (NPS)/DOI

Chris Armstrong
Culture Executive
National Geospatial-Intelligence Agency (NGA)

Ray Crawford, PhD
Employee Engagement Officer
Office of Federal Student Aid
Department of Education

Thevee Gray
Personnel Psychologist
Department of Agriculture (USDA)

James Read
Director, Office of Policy and Evaluation
Merit Systems Protection Board (MSPB)

Bill Valdez
President
Senior Executives Association

Mika Cross

Federal Workforce Expert

Overview:

The President issued an Executive Order (EO) on March 17, 2017 which emphasizes the need to maximize employee performance by better managing poor performance and conduct and ensuring transparency in the Performance Improvement Process (PIP). This Potomac Forum Training Workshop for Government will provide information for Agency Executives, Managers and Staff to meet the long term requirements for workforce accountability and performance management efforts in response to the EO.

Experienced Human Capital Executives and Leadership Experts will share their insight and experience in developing and implementing long-term and near-term workforce management practices that will help attendees understand how best to improve performance, increase accountability and reduce costs.

This workshop will provide you with practical, easy to implement tools and resources to help you achieve the best results for managing performance and conduct in the workplace to achieve the goals of E.O. 13781 while enhancing employee performance to increase mission efficacy and increase retention.

What You Will Learn:

- Understand how to quickly differentiate between employee performance and conduct issues and what you need to know to quickly address employee discipline and/or termination

- Identify the competencies needed as a successful supervisor to maximize employee performance and how to avoid common pitfalls to managing performance and conduct in the modern workplace

- Know where to find practical support, assistance and resources to effectively deal with performance and conduct issues in the workplace

- Adopt promising practices that drive positive outcomes by leveraging the Federal Employee Viewpoint Survey Results into actionable steps to cultivate an inclusive, high-performing culture designed to retain top talent and maximize employee potential and performance

Why You Should Attend:

- Maximize employee performance by focusing on concrete steps to increase performance and effectively deal with poor performers;

- Optimize employee recognition programs designed to recognize, reward and retain top performers;

- Build your toolkit for cultivating a culture of engagement and accountability designed to achieve enhanced organizational and individual performance

Who Should Attend:

- Federal supervisors and managers

- Federal HR Executives, managers and staff

- Anyone responsible for implementing Agency restructuring plans

- Federal employees or members of employee affinity groups

- Communications practitioners responsible for leading change management and internal communications campaigns

- IGs and Staff

- Industry Partners who support the government

Format:

Lecture, guest speakers, and practical exercises.

CEUs Awarded Upon Workshop Completion

Press is NOT INVITED to attend this educational program

"Send-A-Team" Registration Fees

No Press to Promote Candid Discussion

Registration and Information:
www.potomacforum.org

Call: (703) 683-1613

Training@PotomacForum.org

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Thank You.

This email was sent to: jackson.ryan@epa.gov

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Potomac Forum, Ltd.

This email was sent by: **Potomac Forum, Ltd.**
400 North Washington Street , Alexandria , Virginia, 22314 , USA

Message

From: Ex. 6
on behalf of
Sent: 3/15/2018 11:27:45 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Opportunities

Dear Mr. Jackson,
I am writing to follow-up on my email of February 17th, as I continue to ascertain the availability of the appropriate post-collegiate opportunities.

Sincerely,
Ex. 6

On 2/17/18, Ex. 6 wrote:
> Dear Mr. Jackson,
> I am writing as a recent graduate from Ex. 6
> who has been involved in civics for twelve of my twenty-two years,
> including three years in communications-related roles.
>
> As I actively explore post-collegiate opportunities, I am interested in
> ascertaining the availability of such opportunities with the EPA.
>
> I am attaching my CV to provide further information, and look forward to
> hearing from you at your convenience.
>
> Sincerely,
> Ex. 6
>

Message

From: Tim Ford (ADC) [tford@defensecommunities.org]
Sent: 3/23/2018 9:42:03 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: MICHAEL G COOPER [Ex. 6] Kristie Reimer (ADC) [kreimer@defensecommunities.org]; Matt Borron (ADC) [mborron@defensecommunities.org]; william.parry@ci.gatesville.tx.us
Subject: follow up from Mike Cooper meeting/ADC request
Attachments: 23_Mar_18_R_Jackson_EPA.pdf

Ryan-

Following up on your discussions this week with Mike Cooper regarding the Association of Defense Communities and our interest in the EPA PFAS event. Let me know if you have any questions. We appreciate your assistance.

Sincerely-
Tim Ford

ASSOCIATION OF DEFENSE COMMUNITIES

Tim Ford | CEO
2020 K Street, NW, Suite 650 | Washington, DC 20006
[Ex. 6] defensecommunities.org

ASSOCIATION OF DEFENSE COMMUNITIES

STRONG COMMUNITIES. STRONG BASES.

March 23, 2018

Mr. Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Room 3400C WJCN MC 1101A
Washington, DC 20460
Email delivery: jackson.ryan@epa.gov

Dear Mr. Jackson,

The Association of Defense Communities (ADC) applauds the Environmental Protection Agency for your leadership in organizing and hosting the National Leadership Summit scheduled for May 22-23. We understand the agency's goal is to bring together stakeholders from across the country to facilitate a dialogue, identify needed actions to respond to the growing health concern associated with per- and polyfluoroalkyl substances (PFAS), and develop risk communication strategies to address public concerns.

ADC would be very interested in sharing the perspectives of communities impacted by this issue during the conference as part of an educational session. In addition, we would appreciate the opportunity to have ADC representatives participate in the conference. We have attached a list of our leadership who we would like to attend.

ADC, an organization comprised of 300 communities and states with an active or transitioning military presence, has been on the frontline of this growing concern regarding perfluorinated compound contamination, primarily perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS). These chemicals have been widely used at military facilities and are linked to contamination found in off-base drinking water supplies, representing a significant issue for the Department of Defense as well as our member communities. Past releases and the potential for further discoveries of water contamination are causing significant angst and uncertainty for local governments. The perceived risk of drinking water contamination has hindered vital projects aimed at redeveloping base closure sites and created a negative environment that is harmful to the important role our military communities play in supporting our nation's military.

Thank you for your leadership and consideration. Very respectfully,

Mike Cooper
ADC Past President and
Chairman,
Oklahoma Strategic Military Planning Commission

Bill Parry
ADC President and
City Manager,
City of Gatesville, Texas

ED_002480_00087656-00001

Proposed List of Attendees:

- Mike Cooper, Chairman Oklahoma Strategic Military Planning Commission and ADC Past President
- Jeff Giangiuli, Consultant and member, ADC Board of Directors
- Steve Levesque, Executive Director, Midcoast Regional Redevelopment Authority, and member, ADC Board of Directors
- Kristie Reimer, Executive Director, ADC Local Redevelopment Authority Directors Council

Message

From: Lyons, Troy [lyons.troy@epa.gov]
Sent: 3/20/2018 10:14:37 PM
To: Hambleton, Ryan [Ryan.Hambleton@mail.house.gov]; rob.borden@mail.house.gov; Caroline.Nabity@mail.house.gov
CC: Ringel, Aaron [ringel.aaron@epa.gov]; Rodrick, Christian [rodrick.christian@epa.gov]
Subject: EPA's Formal Response: Air Travel 2/2
Attachments: EPA Travel Voucher Production March 20 2018_Part2.pdf

Importance: High

2/2

Troy M. Lyons
Associate Administrator
Office of Congressional & Intergovernmental Relations
U.S. Environmental Protection Agency
Ex. 6

Magnolia Hotels

1615 Howard St Omaha NE 68102 402-341-2500

Oct 19 Checking in: 10/19/2017 — Checking out: 10/20/2017
Total Rate: 107.00 USD

Air

Friday October 20, 2017

OMA-Omaha, NE (USA) (Epl to DTW-Detroit, MI (USA) (M

Oct 20 [redacted] — Duration: Unknown Nonstop
Omaha, NE (USA) (Epley Airfield) 10/20/2017 5:45PM — Detroit, MI (USA) (Metropolitan Apt) 10/20/2017 8:42PM
Confirmation Number: [redacted]

Flight Information
Distance 648 miles — Emissions 252.7 lbs of CO2
No Seat Assigned

OMA-Omaha, NE (USA) (Epl to DTW-Detroit, MI (USA) (M

Oct 20 [redacted] — Duration: Unknown Nonstop
Omaha, NE (USA) (Epley Airfield) 10/20/2017 5:45PM — Detroit, MI (USA) (Metropolitan Apt) 10/20/2017 8:42PM
Confirmation Number: [redacted]

Flight Information
Distance 648 miles — Emissions 252.7 lbs of CO2
No Seat Assigned

DTW-Detroit, MI (USA) (M to [redacted] Washington, DC (USA)

Oct 20 [redacted] — Duration: Unknown Nonstop
Detroit, MI (USA) (Metropolitan Apt) 10/20/2017 10:00PM — Washington, DC (USA) [redacted] 0/20/2017 11:34PM
Confirmation Number: [redacted]

Flight Information
Distance 404 miles — Emissions 157.6 lbs of CO2
No Seat Assigned

DTW-Detroit, MI (USA) (M to [redacted] Washington, DC (USA)

Oct 20 [redacted] — Duration: Unknown Nonstop
Detroit, MI (USA) (Metropolitan Apt) 10/20/2017 10:00PM — Washington, DC (USA) [redacted] 10/20/2017 11:34PM
Confirmation Number: [redacted]

Flight Information
Distance 404 miles — Emissions 157.6 lbs of CO2
No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 3,775.82 — Total Per Diem Expenses: 203.00

Date	Description	Category	Cost	Pay Method	Per Diem
10/18/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
10/19/2017	Airline Flight	Com. Carrier	3,610.30	GOVCC	
10/19/2017	TMC Fee	Com. Carrier	53.24	GOVCC	
10/19/2017	Hotel Tax (CONUS Only)	Hotel Tax	19.44	GOVCC	
10/19/2017	Lodging	Lodging-PerDiem	107.00	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
10/19/2017	M&IE	M&IE-PerDiem	48.00	PERSONAL	*
10/19/2017	Internet Connection Fees	Misc Expense	14.90	PERSONAL	
10/20/2017	M&IE	M&IE-PerDiem	48.00	PERSONAL	*
10/20/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
10/27/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 203.00

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Cost%
10/19/2017	109.00/ 64.00	107.00	107.00	48.00	48.00	
10/20/2017	109.00/ 64.00	0.00	0.00	48.00	48.00	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO1110	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111100.	GOVCC	3,857.97
EPAAO1110	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111100.	PERSONAL	120.85

Totals by Label

EPAAO1110	17 OA IO ACCOUNT Total	AT7.20172018.B.11.ZZZME8.MN111100.		3,978.82

Totals by Payment Method

GOVCC Total	3,857.97
PERSONAL Total	120.85

Document History 02/26/2018 Veh: VCH161283

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	10/27/2017	7:55AMEST	DAVIS, GWENDER G	
PREPARED	10/27/2017	8:12AMEST	DAVIS, GWENDER G	
SIGNED	10/27/2017	8:27AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	10/27/2017	8:35AMEST	ALLEN, REGINALD E	
ADJUSTED	10/30/2017	12:56PMEST	SULLENDER, KATHRYN A	
VOUCHER APPROVED	10/30/2017	12:57PMEST	SULLENDER, KATHRYN A	
PENDING	10/30/2017	12:57PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	10/30/2017	2:08PMEST	One, EAI User	
PENDING	10/30/2017	2:08PMEST	One, EAI User	
PAID	10/31/2017	4:01AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH161081
Travel Authorization Number:	TAA056H7	Trip Name:	Trip from Washington to Nashville
TA Date:	10/26/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will meet with Tennessee Governor Haslam. He has also been invited by the Tennessee Farm Bureau Federation to speak to over 100 farmers and ranchers.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator will meet with Tennessee Governor Haslam. He has also been invited by the Tennessee Farm Bureau Federation to speak to over 100 farmers and ranchers.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
10/23/17	10/23/17	NASHVILLE, TN		170.00 / 59.00

Document Totals

Total Expenses:	2,876.54
Reimbursable Expenses:	2,876.54
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	2,876.54

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,797.64	.00
M&IE-PerDiem	44.25	.00
Misc Expense	19.90	.00
Transaction Fees	14.75	.00
Total Expenses:	2,876.54	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		2,744.40
COMM-CARR				.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: BNA-Nashville, TN (USA)

Air

Monday October 23, 2017

[redacted] Washington, DC (USA) to BNA-Nashville, TN (USA)

Oct 23 [redacted]

Washington, DC (USA) [redacted] 10/23/2017 8:50AM — Duration: Unknown Nonstop — Nashville, TN (USA) 10/23/2017 9:46AM

Confirmation Number: [redacted]

Flight Information

Distance 360 miles — Emissions 218.4 lbs of CO2

No Seat Assigned — Cost 2,744.40 USD

BNA-Nashville, TN (USA) to [redacted] Washington, DC (USA)

Oct 23 [redacted]

Nashville, TN (USA) 10/23/2017 6:35PM — Duration: Unknown Nonstop — Washington, DC (USA [redacted] 10/23/2017 9:25PM

Confirmation Number: UVXQYI

Flight Information

Distance 360 miles — Emissions 218.4 lbs of CO2

No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 2,832.29 — Total Per Diem Expenses: 44.25

Date	Description	Category	Cost	Pay Method	Per Diem
10/20/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
10/23/2017	Airline Flight	Com. Carrier	2,744.40	GOVCC	
10/23/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
10/23/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
10/23/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
10/26/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 44.25

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D	Conf#
10/23/2017	170.00/ 39.00	0.00	0.00	44.25	44.25		

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111100.	GOVCC	2,812.39
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111100.	PERSONAL	64.15

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	AT7.20172018.B.11.ZZZME8.MN111100.		2,876.54

Totals by Payment Method

GOVCC Total	2,812.39
PERSONAL Total	64.15

Document History 02/26/2018 Vch: VCH161081

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	10/26/2017	8:11AMEST	DAVIS, GWENDER G	
PREPARED	10/26/2017	8:31AMEST	DAVIS, GWENDER G	
SIGNED	10/26/2017	8:48AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	10/26/2017	1:06PMEST	ALLEN, REGINALD E	
ADJUSTED	10/27/2017	7:14AMEST	SULLENDER, KATHRYN A	
VOUCHER APPROVED	10/27/2017	7:16AMEST	SULLENDER, KATHRYN A	
PENDING	10/27/2017	7:16AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	10/27/2017	10:00AMEST	One, EAI User	

PENDING	10/27/2017	10:00AMEST	One, EAI User
PAID	10/27/2017	12:09PMEST	One, EAI User

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name:
Traveler/Preparer Signature:
Date:
Approver Name:
Approver Signature:
Date:

Document Header Information

Document Type:	Veh	Document Name:	VCH162545
Travel Authorization Number:	TAA056LK	Trip Name:	Trip from Washington to New Orleans, then to Tulsa, OK and return.
TA Date:	11/03/17	Currency:	USD
Organization:	EPAAO1HO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be flying to New Orleans to speak to the Louisiana Chemical Association Annual Meeting. The Administrator will pay for his way from New Orleans to Tulsa, OK for the weekend and we will return him from Tulsa, OK on 10/30/2017. This trip was changed to leave on 10/27 instead of 10/26 so there was no reason for lodging in New Orleans. Cost comparison is done in comments section..
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO1HO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will be flying to New Orleans to speak to the Louisiana Chemical Association Annual Meeting. The Administrator will pay for his way from New Orleans to Tulsa, OK for the weekend and we will return him from Tulsa, OK on 10/30/2017. This trip was changed to leave on 10/27 instead of 10/26 so there was no reason for lodging in New Orleans. Cost comparison is done in comments section..

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
10/27/17	10/27/17	NEW ORLEANS, LA		148.00 / 64.00
10/27/17	10/30/17	TULSA, OK		93.00 / 51.00

Document Totals

Total Expenses:	2,303.27
Reimbursable Expenses:	2,303.27
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	2,303.27

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,235.32	.00
M&IE-PerDiem	38.25	.00
Misc Expense	14.95	.00
Transaction Fees	14.75	.00
Total Expenses:	2,303.27	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#

COMM-CARR	[redacted]	[redacted]	.00
COMM-CARR			2,075.60
COMM-CARR			.00
COMM-CARR			.00

Trip Itinerary

From [redacted]-Washington, DC (USA) [redacted] TO: ATL-Atlanta, GA (USA) (Hartsfield IntL.

Air

Friday October 27, 2017

[redacted]Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Oct 27 [redacted]

Washington, DC (USA) [redacted] 10/27/2017 6:00AM — Duration: Unknown Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 10/27/2017 7:47AM

Confirmation Number: [redacted]

Flight Information

Distance 546 miles — Emissions 212.9 lbs of CO2

No Seat Assigned — Cost 2,075.60 USD

ATL-Atlanta, GA (USA) (H to MSY-New Orleans, LA (USA

Oct 27 [redacted]

Atlanta, GA (USA) (Hartsfield IntL. Apt) 10/27/2017 9:15AM — Duration: Unknown Nonstop

New Orleans, LA (USA) (Moisant IntL. Apt 10/27/2017 9:45AM

Confirmation Number: [redacted]

Flight Information

Distance 424 miles — Emissions 165.4 lbs of CO2

No Seat Assigned

Monday October 30, 2017

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Oct 30 [redacted]

Tulsa, OK (USA) (IntL. Apt) 10/30/2017 6:00AM — Duration: Unknown Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 10/30/2017 8:56AM

Confirmation Number: [redacted]

Flight Information

Distance 672 miles — Emissions 262.1 lbs of CO2

No Seat Assigned

ATL-Atlanta, GA (USA) (H t[redacted]Washington, DC (USA)

Oct 30 [redacted]

Atlanta, GA (USA) (Hartsfield IntL. Apt) 10/30/2017 9:45AM — Duration: Unknown Nonstop

Washington, DC (USA) ([redacted] 10/30/2017 11:23AM

Confirmation Number: [redacted]

Flight Information

Distance 546 miles — Emissions 212.9 lbs of CO2

No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 2,263.02 — Total Per Diem Expenses: 38.25

Date	Description	Category	Cost	Pay Method	Per Diem
10/20/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
10/23/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
10/25/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
10/27/2017	Airline Flight	Com. Carrier	2,075.60	GOVCC	
10/27/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
10/27/2017	Internet Connection Fees	Misc Expense	4.95	PERSONAL	
10/30/2017	Internet Connection Fees	Misc Expense	10.00	PERSONAL	
11/03/2017	TDY Voucher Fee	Transaction Fees	14.73	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 38.25

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
10/27/2017	93.00/ 51.00	0.00	0.00	38.25	38.25	
10/28/2017	93.00/ 51.00	0.00	0.00	0.00	0.00	
10/29/2017	93.00/ 51.00	0.00	0.00	0.00	0.00	
10/30/2017	93.00/ 51.00	0.00	0.00	0.00	0.00	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111100.	GOVCC	2,250.07
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111100.	PERSONAL	53.20

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	AT7.20172018.B.11.ZZZME8.MN111100.	2,303.27

Totals by Payment Method

GOVCC Total	2,250.07
PERSONAL Total	53.20

Document History 02/26/2018 Vch: VCH162545

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	11/03/2017	7:44AMEST	DAVIS, GWENDER G	
PREPARED	11/03/2017	8:06AMEST	DAVIS, GWENDER G	
SIGNED	11/06/2017	4:45AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	11/06/2017	5:43AMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	11/08/2017	8:07AMEST	PENNINGTON, SHAUN	
PENDING	11/08/2017	8:07AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	11/08/2017	11:01AMEST	One, EAI User	
PENDING	11/08/2017	11:01AMEST	One, EAI User	
PAID	11/08/2017	3:01PMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name: .....

Traveler/Preparer Signature: .....

Date: .....

Approver Name: .....

Approver Signature: .....

Date: .....

Document Header Information

Document Type:	Vch	Document Name:	VCH163769
Travel Authorization Number:	TAA059A1	Trip Name:	Trip from Washington to Chicago, IL and return.
TA Date:	11/13/17	Currency:	USD
Organization:	EPAAO1HO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will travel to speak at the Society of Independent Gasoline Marketers of America (SIGMA) Annual Conference Opening General Session.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO1HO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator will travel to speak at the Society of Independent Gasoline Marketers of America (SIGMA) Annual Conference Opening General Session.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
11/08/17	11/08/17	CHICAGO, IL		226.00 / 74.00

Document Totals

Total Expenses:	1,317.44
Reimbursable Expenses:	1,317.44
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	1,317.44

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	1,225.24	.00
M&IE-PerDiem	55.50	.00
Misc Expense	21.95	.00
Transaction Fees	14.75	.00
Total Expenses:	1,317.44	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		1,172.00
COMM-CARR				.00
COMM-CARR				.00

Trip Itinerary

From [redacted] Washington, DC (USA [redacted] TO: DTW-Detroit, MI (USA) (Metropolitan Apt)

Air

Wednesday November 08, 2017

[redacted] Washington, DC (USA) to DTW-Detroit, MI (USA) (M

Nov 08 [redacted]

Washington, DC (USA [redacted] 11/08/2017 7:30AM — Duration: 1 Hour 37 Minutes Nonstop

Detroit, MI (USA) (Metropolitan Apt) 11/08/2017 9:07AM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned — Cost 1,172.00 USD

DTW-Detroit, MI (USA) (M to ORD-Chicago, IL (USA) (O

Nov 08 [redacted]

Detroit, MI (USA) (Metropolitan Apt) 11/08/2017 10:00AM — Duration: 1 Hour 21 Minutes Nonstop

Chicago, IL (USA) (OHare Apt) 11/08/2017 10:21AM

Confirmation Number: [redacted]

Flight Information

Distance 234 miles — Emissions 91.3 lbs of CO2

No Seat Assigned

ORD-Chicago, IL (USA) (O to [redacted] Washington, DC (USA)

Nov 08 [redacted]

Chicago, IL (USA) (OHare Apt) 11/08/2017 6:25PM — Duration: 1 Hour 51 Minutes Nonstop

Washington, DC (USA) ([redacted] 11/08/2017 9:16PM

Confirmation Number: [redacted]

Flight Information

Distance 610 miles — Emissions 237.9 lbs of CO2

No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 1,261.94 — Total Per Diem Expenses: 55.50

Date	Description	Category	Cost	Pay Method	Per Diem
11/08/2017	Airline Flight	Com. Carrier	1,172.00	GOVCC	
Comment:	TICKET-[redacted] TICKET-[redacted]				
11/08/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
11/08/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
11/08/2017	Internet Connection Fees	Misc Expense	6.00	PERSONAL	
11/08/2017	Internet Connection Fees	Misc Expense	15.95	PERSONAL	
11/13/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 55.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	E. L. D.	Cost%
11/08/2017	226.00/ 74.00	0.00	0.00	55.50	55.50		

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11A.ZZZME8.MN111100.	GOVCC	1,239.99
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	77.45

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	AT7.20172018.B.11A.ZZZME8.MN111100.	1,317.44

Totals by Payment Method

GOVCC Total	1,239.99
PERSONAL Total	77.45

Document History 02/26/2018 Vch: VCH163769

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	11/13/2017	9:58AMEST	DAVIS, GWENDER G	
PREPARED	11/13/2017	10:17AMEST	DAVIS, GWENDER G	
SIGNED	11/13/2017	11:03AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	11/13/2017	11:36AMEST	WOODEN-AGUILAR, HELENA E	
VOUCHER APPROVED	11/15/2017	11:39AMEST	SULLENDER, KATHRYN A	
PENDING	11/15/2017	11:39AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	11/15/2017	2:01PMEST	One, EAI User	
PENDING	11/15/2017	2:01PMEST	One, EAI User	
PAID	11/16/2017	4:01AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH166046
Travel Authorization Number:	TAA05728	Trip Name:	Trip from Washington to Charleston, SC then return.
TA Date:	11/28/17	Currency:	USD
Organization:	EPAAOHIO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will travel to Kiawah Island, SC to speak at the American Chemistry Counsel (ACC) Board of Directors meeting.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAOHIO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will travel to Kiawah Island, SC to speak at the American Chemistry Counsel (ACC) Board of Directors meeting.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
11/09/17	11/09/17	CHARLESTON, SC	2-INFORMATIONAL MEETING	192.00 / 69.00

Document Totals

Total Expenses:	3,155.26
Reimbursable Expenses:	3,155.26
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	31.18
Net to Government:	.00
Pay to Charge Card:	3,124.08

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	3,078.86	.00
M&IE-PerDiem	31.75	.00
Misc Expense	9.90	.00
Transaction Fees	14.75	.00
Total Expenses:	3,155.26	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	(b)(7)(C) [redacted]	(b)(6) [redacted]		.00
COMM-CARR				.00
COMM-CARR				2,865.90

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: CLT-Charlotte, NC (USA)

Air

Thursday November 09, 2017

[redacted] Washington, DC (USA) to CLT-Charlotte, NC (USA)

Nov 09 [redacted]
Washington, DC (USA) [redacted] 11/09/2017 5:20AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Charlotte, NC (USA) 11/09/2017 6:47AM

Flight Information
Distance 321 miles
No Seat Assigned

Emissions 125.2 lbs of CO2
Cost 2,865.90 USD

CLT-Charlotte, NC (USA) to CHS-Charleston, SC (USA)

Nov 09 [redacted]
Charlotte, NC (USA) 11/09/2017 7:45AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Charleston, SC (USA) 11/09/2017 8:33AM

Flight Information
Distance 168 miles
No Seat Assigned

Emissions 65.5 lbs of CO2

CHS-Charleston, SC (USA) t[redacted] Washington, DC (USA)

Nov 09 [redacted]
Charleston, SC (USA) 11/09/2017 12:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 11/09/2017 2:00PM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2

Expenses

Trip#: 1

Total Non-Per Diem Expenses: 3,103.31 Total Per Diem Expenses: 51.75

Date	Description	Category	Cost	Pay Method	Per Diem
11/02/2017	Travel Fee Comment: LB VIP Services	Com. Carrier	53.24	GOVCC	
11/02/2017	Travel Fee Comment: LB VIP Services	Com. Carrier	53.24	GOVCC	
11/07/2017	Travel Fee Comment: LB VIP Services	Com. Carrier	53.24	GOVCC	
11/08/2017	Travel Fee Comment: LB VIP Services	Com. Carrier	53.24	GOVCC	
11/09/2017	Airline Flight Comment: TICKET=[redacted] TICKET=[redacted] TICKET=[redacted] TICKET=[redacted] TICKET=[redacted]	Com. Carrier	2,865.90	GOVCC	
11/09/2017	M&IE	M&IE-PerDiem	51.75	PERSONAL*	
11/09/2017	Internet Connection Fees	Misc Expense	9.90	PERSONAL	
11/28/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 51.75

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B	L	D	Conf%
11/09/2017	192.00/ 69.00	0.00	0.00	51.75	51.75				

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111100.	GOVCC	3,093.61
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111100.	PERSONAL	61.65

Totals by Label

EPAAO1HO	17 OA IO ACCOUNT Total	AT7.2017.2018.8.11.ZZZMES.MN111100.	3,155.26

Totals by Payment Method

GOVCC Total	3,093.61
PERSONAL Total	61.65

Document History 02/26/2018 Vch: VCH166046

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	11/28/2017	8:45AMEST	DAVIS, GWENDER G	
PREPARED	11/28/2017	9:11AMEST	DAVIS, GWENDER G	
SIGNED	11/28/2017	9:36AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	11/28/2017	10:06AMEST	WOODEN-AGUILAR, HELENA E	
VOUCHER APPROVED	11/30/2017	6:02AMEST	PENNINGTON, SHAUN	
PENDING	11/30/2017	6:02AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	11/30/2017	8:01AMEST	One, EAI User	
PENDING	11/30/2017	8:01AMEST	One, EAI User	
PAID	11/30/2017	11:00AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH167169
Travel Authorization Number:	TAA059UY	Trip Name:	Washington, DC to Orlando, FL and return.
TA Date:	12/06/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be traveling to Orlando to meet with Disney executives on food waste as well as visit a food waste facility.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will be traveling to Orlando to meet with Disney executives on food waste as well as visit a food waste facility.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
11/27/17	11/27/17	ORLANDO, FL		129.00 / 59.00

Document Totals

Total Expenses:	2,221.08
Reimbursable Expenses:	2,221.08
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	2,221.08

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,162.08	.00
M&IE-PerDiem	44.25	.00
Transaction Fees	14.75	.00
Total Expenses:	2,221.08	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR				2,055.60
COMM-CARR				.00
COMM-CARR				.00

Trip Itinerary

From: [redacted] **Washington, DC (USA)** [redacted] **TO: ATL-Atlanta, GA (USA) (Hartsfield Intl.**

Air

Monday November 27, 2017

[redacted] Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Nov 27 [redacted]
Washington, DC (USA) ([redacted]) 11/27/2017 6:00AM
Confirmation Number: GJM2IO

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 11/27/2017 7:51AM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2
Cost 2,055.60 USD

ATL-Atlanta, GA (USA) (H to MCO-Orlando, FL (USA) (I

Nov 27 [redacted]
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 11/27/2017 8:55AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Orlando, FL (USA) (Intl.. Apt) 11/27/2017 10:24AM

Flight Information
Distance 404 miles
No Seat Assigned

Emissions 157.6 lbs of CO2

MCO-Orlando, FL (USA) (I to ATL-Atlanta, GA (USA) (H

Nov 27 [redacted]
Orlando, FL (USA) (Intl.. Apt) 11/27/2017 6:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 11/27/2017 8:13PM

Flight Information
Distance 404 miles
No Seat Assigned

Emissions 157.6 lbs of CO2

ATL-Atlanta, GA (USA) (H t[redacted] Washington, DC (USA)

Nov 2[redacted]
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 11/27/2017 8:50PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 11/27/2017 10:34PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 2,176.83 Total Per Diem Expenses: 44.25

Date	Description	Category	Cost	Pay Method	Per Diem
11/22/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
11/22/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
11/27/2017	Airline Flight	Com. Carrier	2,055.60	GOVCC	
11/27/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
12/06/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 44.25

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	E L D Conf%
11/27/2017	129.00/ 59.00	0.00	0.00	44.25	44.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11A.ZZZME8.MN111100.	GOVCC	2,176.83
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	44.25

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	AT7.20172018.B.11A.ZZZME8.MN111100.	2,221.08

Totals by Payment Method

GOVCC Total	2,176.83
PERSONAL Total	44.25

Document History 02/26/2018 Vch: VCH167169

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	12/06/2017	9:19AMEST	DAVIS, GWENDER G	
PREPARED	12/06/2017	9:30AMEST	DAVIS, GWENDER G	
SIGNED	12/06/2017	11:58AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	12/06/2017	12:50PMEST	WOODEN-AGUILAR, HELENA E	
VOUCHER APPROVED	12/08/2017	10:15AMEST	FITZPATRICK, SAMUEL C	
PENDING	12/08/2017	10:15AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	12/08/2017	1:00PMEST	One, EAI User	
PENDING	12/08/2017	1:00PMEST	One, EAI User	
PAID	12/09/2017	4:00AMEST	One, EAI User	

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SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH167022
Travel Authorization Number:	TAA05A1F	Trip Name:	Trip from Washington to Louisville, KY to Des Moines, IA and return.
TA Date:	12/05/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will travel to Louisville to meet with the Governor and to speak to the Kentucky Farm Bureau; then to Des Moines to speak with the Iowa Association of Electric Cooperatives. He speak at a Iowa farm bureau event. Please note: the Administrator will then fly himself to Tulsa, OK for the weekend and then we will fly him from Tulsa, OK to DC. Cost comparison shows that it is cost effective to fly him from DCA to Louisville, to Des Moines, to Tulsa and return for $3256.30 vs. DCA to Louisville, to Des Moines then return for $3845.70. The breakdown is in the comments section.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator will travel to Louisville to meet with the Governor and to speak to the Kentucky Farm Bureau; then to Des Moines to speak with the Iowa Association of Electric Cooperatives. He speak at a Iowa farm bureau event. Please note: the Administrator will then fly himself to Tulsa, OK for the weekend and then we will fly him from Tulsa, OK to DC. Cost comparison shows that it is cost effective to fly him from DCA to Louisville, to Des Moines, to Tulsa and return for $3256.30 vs. DCA to Louisville, to Des Moines then return for $3845.70. The breakdown is in the comments section.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
11/30/17	11/30/17	LOUISVILLE, KY		118.00 / 59.00
11/30/17	12/01/17	DES MOINES, IA		109.00 / 59.00
12/01/17	12/04/17	TULSA, OK		93.00 / 51.00

Document Totals

Total Expenses:	3,485.82
Reimbursable Expenses:	3,485.82
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	44.25
Net to Government:	.00
Pay to Charge Card:	3,441.57

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	3,250.54	.00
Hotel Tax	13.08	.00
Lodging-PerDiem	109.00	.00
M&IE-PerDiem	88.50	.00
Misc Expense	9.95	.00
Transaction Fees	14.75	.00
Total Expenses:	3,485.82	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		1,181.20
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	Staybridge Ste			109.00

Trip Itinerary

From: [redacted] Washington, DC (USA) [redacted] TO: SDF-Louisville, KY (USA) (Standiford Fie

Air

Thursday November 30, 2017

[redacted] Washington, DC (USA) to SDF-Louisville, KY (USA)

Nov 30 [redacted]
Washington, DC (USA) (National Apt) 11/30/2017 9:59AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Louisville, KY (USA) (Standiford Field) 11/30/2017 11:54AM

Flight Information
Distance 472 miles
No Seat Assigned

Emissions 184.1 lbs of CO2
Cost 1,181.20 USD

[redacted] Washington, DC (USA) to SDF-Louisville, KY (USA)

Nov 30 [redacted]
Washington, DC (US [redacted] 11/30/2017 9:59AM
Confirmation Number [redacted]

Duration: Unknown Nonstop
Louisville, KY (USA) (Standiford Field) 11/30/2017 11:54AM

Flight Information
Distance 472 miles
No Seat Assigned

Emissions 184.1 lbs of CO2
Cost 1,181.20 USD

[redacted] Washington, DC (USA) to SDF-Louisville, KY (USA)

Nov 30 [redacted]
Washington, DC (USA) [redacted] 11/30/2017 9:59AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Louisville, KY (USA) (Standiford Field) 11/30/2017 11:54AM

Flight Information
Distance 472 miles
No Seat Assigned

Emissions 184.1 lbs of CO2
Cost 1,181.20 USD

[redacted] Washington, DC (USA) to SDF-Louisville, KY (USA)

Nov 30 [redacted]
Washington, DC (USA) [redacted] 11/30/2017 9:59AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Louisville, KY (USA) (Standiford Field) 11/30/2017 11:54AM

Flight Information
Distance 472 miles
No Seat Assigned

Emissions 184.1 lbs of CO2
Cost 1,181.20 USD

SDF-Louisville, KY (USA) to DTW-Detroit, MI (USA) (M

Nov 30 [redacted]
Louisville, KY (USA) (Standiford Field) 11/30/2017 5:40PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Detroit, MI (USA) (Metropolitan Apt) 11/30/2017 7:09PM

Flight Information
Distance 306 miles
No Seat Assigned

Emissions 119.3 lbs of CO2

SDF-Louisville, KY (USA) to DTW-Detroit, MI (USA) (M

Nov 30 [redacted]
Louisville, KY (USA) (Standiford Field) 11/30/2017 5:40PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Detroit, MI (USA) (Metropolitan Apt) 11/30/2017 7:09PM

Flight Information
Distance 306 miles

Emissions 119.3 lbs of CO2

No Seat Assigned

SDF-Louisville, KY (USA) to DTW-Detroit, MI (USA) (M

Nov 30 [redacted]

Duration: Unknown Nonstop

Louisville, KY (USA) (Standiford Field) 11/30/2017 5:40PM

Detroit, MI (USA) (Metropolitan Apt) 11/30/2017 7:09PM

Confirmation Number: [redacted]

Flight Information

Distance 306 miles

Emissions 119.3 lbs of CO2

No Seat Assigned

SDF-Louisville, KY (USA) to DTW-Detroit, MI (USA) (M

Nov 30 [redacted]

Duration: Unknown Nonstop

Louisville, KY (USA) (Standiford Field) 11/30/2017 5:40PM

Detroit, MI (USA) (Metropolitan Apt) 11/30/2017 7:09PM

Confirmation Number: [redacted]

Flight Information

Distance 306 miles

Emissions 119.3 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to DSM-Des Moines, IA (USA)

Nov 30 [redacted]

Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 11/30/2017 7:55PM

Des Moines, IA (USA) 11/30/2017 9:05PM

Confirmation Number: [redacted]

Flight Information

Distance 532 miles

Emissions 207.5 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to DSM-Des Moines, IA (USA)

Nov 30 [redacted]

Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 11/30/2017 7:55PM

Des Moines, IA (USA) 11/30/2017 9:05PM

Confirmation Number: [redacted]

Flight Information

Distance 532 miles

Emissions 207.5 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to DSM-Des Moines, IA (USA)

Nov 30 [redacted]

Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 11/30/2017 7:55PM

Des Moines, IA (USA) 11/30/2017 9:05PM

Confirmation Number: [redacted]

Flight Information

Distance 532 miles

Emissions 207.5 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to DSM-Des Moines, IA (USA)

Nov 30 [redacted]

Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 11/30/2017 7:55PM

Des Moines, IA (USA) 11/30/2017 9:05PM

Confirmation Number: [redacted]

Flight Information

Distance 532 miles

Emissions 207.5 lbs of CO2

No Seat Assigned

Hotel

Staybridge Ste

Nov 30 Checking in: 11/30/2017

Checking out: 12/01/2017

Total Rate: 109.00 USD

Staybridge Ste

Nov 30 Checking in: 11/30/2017

Checking out: 12/01/2017

Total Rate: 109.00 USD

Staybridge Ste

Nov 30 Checking in: 11/30/2017

Checking out: 12/01/2017

Total Rate: 109.00 USD

Staybridge Ste

Nov 30 Checking in: 11/30/2017

Checking out: 12/01/2017

Total Rate: 109.00 USD

Air

Monday December 04, 2017

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Dec 04 [redacted]
Tulsa, OK (USA) (Intl. Apt) 12/04/2017 6:05AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 12/04/2017 9:05AM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Dec 04 [redacted]
Tulsa, OK (USA) (Intl. Apt) 12/04/2017 6:05AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 12/04/2017 9:05AM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Dec 04 [redacted]
Tulsa, OK (USA) (Intl. Apt) 12/04/2017 6:05AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 12/04/2017 9:05AM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Dec 04 [redacted]
Tulsa, OK (USA) (Intl. Apt) 12/04/2017 6:05AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 12/04/2017 9:05AM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] Washington, DC (USA)

Dec 04 [redacted]
Atlanta, GA (USA) (Hartsfield Intl. Apt) 12/04/2017 9:40AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 12/04/2017 11:19AM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] Washington, DC (USA)

Dec 04 [redacted]
Atlanta, GA (USA) (Hartsfield Intl. Apt) 12/04/2017 9:40AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 2/04/2017 11:19AM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] Washington, DC (USA)

Dec 04 [redacted]
Atlanta, GA (USA) (Hartsfield Intl. Apt) 12/04/2017 9:40AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 12/04/2017 11:19AM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] ashington, DC (USA)

Dec 04 [redacted]
Atlanta, GA (USA) (Hartsfield Intl. Apt) 12/04/2017 9:40AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 2/04/2017 11:19AM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 3,288.32 Total Per Diem Expenses: 197.50

Date	Description	Category	Cost	Pay Method	Per Diem

11/22/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
11/30/2017	Airline Flight	Com. Carrier	3,197.30	GOVCC	
11/30/2017	Hotel Tax (CONUS Only)	Hotel Tax	13.08	GOVCC	
11/30/2017	Lodging	Lodging-PerDiem	109.00	GOVCC	*
Comment:	Conf Num: [redacted] Cust:				
11/30/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
12/01/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
12/01/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
12/05/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 197.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
11/30/2017	109.00/ 59.00	109.00	109.00	44.25	44.25	
12/01/2017	93.00/ 51.00	0.00	0.00	44.25	44.25	
12/02/2017	93.00/ 51.00	0.00	0.00	0.00	0.00	
12/03/2017	93.00/ 51.00	0.00	0.00	0.00	0.00	
12/04/2017	93.00/ 51.00	0.00	0.00	0.00	0.00	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO1110	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	GOVCC	3,387.37
EPAAO1110	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	PERSONAL	98.45

Totals by Label

EPAAO1110	18 OA IO ACCOUNT Total	A8T.20182019.B.11A.000ME8.MN111100.	3,485.82

Totals by Payment Method

GOVCC Total	3,387.37
PERSONAL Total	98.45

Document History 02/26/2018 Veh: VCH167022

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	12/05/2017	12:20PMEST	DAVIS, GWENDER G	
PREPARED	12/05/2017	12:39PMEST	DAVIS, GWENDER G	
SIGNED	12/06/2017	6:35AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	12/06/2017	6:53AMEST	WOODEN-AGUILAR, HELENA E	
ADJUSTED	12/12/2017	10:37AMEST	SULLENDER, KATHRYN A	
VOUCHER APPROVED	12/12/2017	10:52AMEST	SULLENDER, KATHRYN A	
PENDING	12/12/2017	10:52AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	12/12/2017	1:00PMEST	One, EAI User	
PENDING	12/12/2017	1:00PMEST	One, EAI User	
PAID	12/12/2017	3:07PMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH169889
Travel Authorization Number:	TAA059LX	Trip Name:	Trip from Washington to Paris, FR to Rabat/Marrakesh, Morrocco and return.
TA Date:	12/29/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	FAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	To meet with partners and key stakeholders for EPA cooperation activities to advance EPA programs and priorities in Morocco in support of this administrations mission. Please not this traveler missed his connection from Paris to Rabat and had to overnight there.
Type Code:	FOREIGN TRAVEL		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: To meet with partners and key stakeholders for EPA cooperation activities to advance EPA programs and priorities in Morocco in support of this administrations mission. Please not this traveler missed his connection from Paris to Rabat and had to overnight there.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
12/09/17	12/11/17	PARIS, FRA		425.00 / 183.00
12/11/17	12/12/17	RABAT, MAR		160.00 / 114.00
12/12/17	12/13/17	MARRAKECH, MAR		206.00 / 79.00

Document Totals

Total Expenses:	17,631.33
Reimbursable Expenses:	17,631.33
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	536.63
Net to Government:	.00
Pay to Charge Card:	17,094.70

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	16,217.00	.00
Lodging-PerDiem	862.95	.00
M&IE-PerDiem	528.50	.00
Misc Expense	8.13	.00
Transaction Fees	14.75	.00
Total Expenses:	17,631.33	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR				

COMM-CARR	[redacted]	[redacted]	00
COMM-CARR			00
COMM-CARR			00
COMM-CARR			00
COMM-CARR			00

Trip Itinerary

From [redacted] Washington, DC (USA [redacted]) TO: CDG-Paris, France (Charles De Gaulle Apt

Air

Saturday December 09, 2017

[redacted] Washington, DC (USA) to CDG-Paris, France (Charl

Dec 09 [redacted]
Washington, DC (USA [redacted]) 12/09/2017 6:35PM
Duration: Unknown Nonstop
Paris, France (Charles De Gaulle Apt) 12/10/2017 8:00AM

Flight Information
Distance 3848 miles
No Seat Assigned
Emissions 1500.7 lbs of CO2
Cost 16,163.76 USD

Sunday December 10, 2017

CDG-Paris, France (Charl to RBA-Rabat, Morocco

Dec 10 [redacted]
Paris, France (Charles De Gaulle Apt) 12/10/2017 10:25AM
Confirmation Number: [redacted]
Duration: Unknown Nonstop
Rabat, Morocco 12/10/2017 12:15PM

Flight Information
Distance 1137 miles
No Seat Assigned
Emissions 443.4 lbs of CO2

CDG-Paris, France (Charl to CMN-Casablanca, Morocco

Dec 10 [redacted]
Paris, France (Charles De Gaulle Apt) 12/10/2017 3:15PM
Duration: Unknown Nonstop
Casablanca, Morocco (Mohamed V Apt) 12/10/2017 5:15PM

Flight Information
Distance 1199 miles
No Seat Assigned
Emissions 467.6 lbs of CO2

Monday December 11, 2017

CDG-Paris, France (Charl to RBA-Rabat, Morocco

Dec 11 [redacted]
Paris, France (Charles De Gaulle Apt) 12/11/2017 10:25AM
Confirmation Number: [redacted]
Duration: Unknown Nonstop
Rabat, Morocco 12/11/2017 12:15PM

Flight Information
Distance 1137 miles
No Seat Assigned
Emissions 443.4 lbs of CO2

Wednesday December 13, 2017

RAK-Marrakech, Morocco to AMS-Amsterdam, Netherlan

Dec 13 [redacted]
Marrakech, Morocco 12/13/2017 10:45AM
Confirmation Number: [redacted]
Duration: Unknown Nonstop
Amsterdam, Netherlands 12/13/2017 3:40PM

Flight Information
Distance 1568 miles
No Seat Assigned
Emissions 611.5 lbs of CO2

AMS-Amsterdam, Netherlan to [redacted] New York, NY (USA) (

Dec 13 [redacted]
Amsterdam, Netherlands 12/13/2017 5:10PM
Confirmation Number [redacted]
Duration: Unknown Nonstop
New York, NY (USA) [redacted] 12/13/2017 7:30PM

Flight Information
Distance 3631 miles
No Seat Assigned
Emissions 1416.1 lbs of CO2

[redacted] New York, NY (USA) (to [redacted] Washington, DC (USA)

Dec 13 [redacted]
New York, NY (USA) [redacted] 12/13/2017 9:05PM
Confirmation Number: [redacted]
Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 12/13/2017 10:41PM

Flight Information
Distance 227 miles
No Seat Assigned

Emissions 88.5 lbs of CO2

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 16,239.88 Total Per Diem Expenses: 1,391.45

Date	Description	Category	Cost	Pay Method	Per Diem
12/05/2017	Travel Fee	Com. Carrier	33.24	GOVCC	
Comment:	LB VIP Services				
12/09/2017	Airline Flight	Com. Carrier	16,163.76	GOVCC	
12/09/2017	M&IE	M&IE-PerDiem	137.25	PERSONAL	*
12/10/2017	Lodging	Lodging-PerDiem	494.00	GOVCC	*
12/10/2017	M&IE	M&IE-PerDiem	183.00	PERSONAL	*
12/10/2017	Currency Conversion Fees	Misc Expense	.90	PERSONAL	
12/11/2017	Lodging	Lodging-PerDiem	159.41	GOVCC	*
12/11/2017	M&IE	M&IE-PerDiem	114.00	PERSONAL	*
12/11/2017	Currency Conversion Fees	Misc Expense	3.95	PERSONAL	
12/12/2017	Lodging	Lodging-PerDiem	209.54	GOVCC	*
12/12/2017	M&IE	M&IE-PerDiem	47.00	PERSONAL	*
12/12/2017	Currency Conversion Fees	Misc Expense	3.28	PERSONAL	
12/13/2017	M&IE	M&IE-PerDiem	47.25	PERSONAL	*
12/29/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances 1,391.45

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B	L	D	Conf%
12/09/2017	425.00/183.00	0.00	0.00	137.25	137.25				
12/10/2017	425.00/183.00	494.00	494.00	183.00	183.00				
12/11/2017	160.00/114.00	159.41	159.41	114.00	114.00				
12/12/2017	206.00/ 79.00	209.54	209.54	47.00	47.00			X	
12/13/2017	206.00/ 79.00	0.00	0.00	47.25	47.25	X			

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	GOVCC	17,094.70
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	PERSONAL	536.63

Totals by Label

EPAAO11IO	18 OA IO ACCOUNT Total	A8T.20182019.B.11A.000ME8.MN111100.	17,631.33

Totals by Payment Method

GOVCC Total	17,094.70
PERSONAL Total	536.63

Document History 02/26/2018 Vch: VCH169889

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	12/29/2017	7:08AMEST	DAVIS, GWENDER G	
PREPARED	12/29/2017	9:18AMEST	DAVIS, GWENDER G	
PREPARED	12/29/2017	9:20AMEST	DAVIS, GWENDER G	
SIGNED	01/03/2018	8:10AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	01/04/2018	12:14PMEST	WOODEN-AGUILAR, HELENA E	
VOUCHER APPROVED	01/05/2018	6:07AMEST	FITZPATRICK, SAMUEL C	
PENDING	01/05/2018	6:07AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	01/05/2018	8:06AMEST	One, EAI User	
PENDING	01/05/2018	8:06AMEST	One, EAI User	
PAID	01/05/2018	10:06AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH170791
Travel Authorization Number:	TAA05EKL	Trip Name:	Dallas, TX to Washington, DC
TA Date:	01/18/18	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will travel to Dallas to participate in the Regional Administrator Forum which will focus on how best to implement his agency priorities in 2018; Please note: the Administrator will only need one way from Dallas, TX to DC because he is leaving from Tulsa, OK to Dallas out of pocket.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will travel to Dallas to participate in the Regional Administrator Forum which will focus on how best to implement his agency priorities in 2018; Please note: the Administrator will only need one way from Dallas, TX to DC because he is leaving from Tulsa, OK to Dallas out of pocket.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
01/15/18	01/16/18	DALLAS, TX		155.00 / 64.00

Document Totals

Total Expenses:	1,990.95
Reimbursable Expenses:	1,990.95
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	1,990.95

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com Carrier	1,689.54	.00
Hotel Tax	23.66	.00
Lodging-PerDiem	155.00	.00
M&IE-PerDiem	96.00	.00
Misc Expense	12.00	.00
Transaction Fees	14.75	.00
Total Expenses:	1,990.93	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		

LODGE	Magnolia Hotels	[redacted]	Dallas/TX	155.00

Trip Itinerary

From: DFW-Dallas / Ft. Worth, TX (USA) (Intl.. T[redacted] Washington, DC (USA[redacted]

Hotel

Monday January 15, 2018

Magnolia Hotels

1401 Commerce St Dallas TX 75201-4901 214-915-6500

Jan 15 Checking in: 01/15/2018 — Checking out: 01/16/2018
Total Rate: 155.00 USD

Air

Tuesday January 16, 2018

DFW-Dallas / Ft. Worth, [redacted] Washington, DC (USA)

Jan 16 [redacted] — Duration: Unknown Nonstop
Dallas / Ft. Worth, TX (USA) (Intl.. Apt) 01/16/2018 7:05AM — Washington, DC (USA) [redacted] 01/16/2018 10:55AM
Confirmation Number: [redacted]

Flight Information
Distance 1189 miles — Emissions 463.7 lbs of CO2
No Seat Assigned — Cost 1,636.30 USD

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 1,739.95 — Total Per Diem Expenses: 251.00

Date	Description	Category	Cost	Pay Method	Per Diem
01/12/2018	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
01/15/2018	Hotel Tax (CONUS & OCONUS Only)	Hotel Tax	23.66	GOVCC	
01/15/2018	Lodging	Lodging-PerDiem	155.00	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
01/15/2018	M&IE	M&IE-PerDiem	48.00	PERSONAL	*
01/16/2018	Airline Flight	Com. Carrier	1,636.30	GOVCC	
01/16/2018	M&IE	M&IE-PerDiem	48.00	PERSONAL	*
01/16/2018	Internet Connection Fees	Misc Expense	12.00	PERSONAL	
01/18/2018	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 251.00

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
01/15/2018	155.00/ 64.00	155.00	155.00	48.00	48.00	
01/16/2018	155.00/ 64.00	0.00	0.00	48.00	48.00	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	GOVCC	1,882.95
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	PERSONAL	108.00

Totals by Label

EPAAO11IO	18 OA IO ACCOUNT Total	A8T.20182019.B.11A.000ME8.MN111100.	1,990.95

Totals by Payment Method

GOVCC Total	1,882.95
PERSONAL Total	108.00

Document History 02/26/2018 Vch: VCH170791

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	01/18/2018	8:22AMEST	DAVIS, GWENDER G	
PREPARED	01/18/2018	8:33AMEST	DAVIS, GWENDER G	
SIGNED	01/18/2018	8:54AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	01/19/2018	10:11AMEST	WOODEN-AGUILAR, HELENA E	
VOUCHER APPROVED	01/22/2018	6:57AMEST	COX, ANGELA D	
PENDING	01/22/2018	6:57AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	01/22/2018	8:04AMEST	One, EAI User	
PENDING	01/22/2018	8:04AMEST	One, EAI User	
PAID	01/22/2018	10:04AMEST	One, EAI User	

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SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH172722
Travel Authorization Number:	TAA05FR8	Trip Name:	Trip from Washington, DC to Manhattan, NY to Tallahassee, FL to Orlando, FL and return.
TA Date:	02/08/18	Currency:	USD
Organization:	EPAAO1HO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be traveling to New York to participate in media interviews with the CBS, Wall Street Journal, Fox News, Fox Business and the New York Times; then to Tallahassee to participate in a roundtable at Mays Nursery, Inc. The roundtable at the tree farm will have participates from agriculture as well as energy and focus on WOTUS; then to Orlando to deliver the keynote address to the Federalist Society's 2018 Florida Chapters Conference and will also meet with Governor Scott while in Orlando.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO1HO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will be traveling to New York to participate in media interviews with the CBS, Wall Street Journal, Fox News, Fox Business and the New York Times; then to Tallahassee to participate in a roundtable at Mays Nursery, Inc. The roundtable at the tree farm will have participates from agriculture as well as energy and focus on WOTUS; then to Orlando to deliver the keynote address to the Federalist Society's 2018 Florida Chapters Conference and will also meet with Governor Scott while in Orlando.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
01/31/18	02/01/18	MANHATTAN, NY		164.00 / 74.00
02/01/18	02/02/18	TALLAHASSEE, FL		116.00 / 54.00

Document Totals

Total Expenses:	3,767.22
Reimbursable Expenses:	3,767.22
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	3,767.22

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	3,123.84	.00
Hotel Tax	24.88	.00
Lodging-PerDiem	432.75	.00
M&IE-PerDiem	150.00	.00
Misc Expense	21.00	.00
Transaction Fees	14.75	.00
Total Expenses:	3,767.22	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		3,070.60
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	Autograph		Tallahassee,FL	199.00
LODGE	Leading Hotels			233.75

Trip Itinerary

From [redacted] Washington, DC (USA [redacted] TO [redacted] New York, NY (USA) [redacted]

Air

Wednesday January 31, 2018

[redacted] Washington, DC (USA) t[redacted] New York, NY (USA) (

Jan 31 [redacted]

Washington, DC (USA [redacted] 01/31/2018 6:00PM — Duration: 1 Hour 29 Minutes Nonstop

New York, NY (USA) [redacted] 01/31/2018 7:29PM

Confirmation Number: [redacted]

Flight Information

Distance 214 miles — Emissions 83.5 lbs of CO2

No Seat Assigned — Cost 3,070.60 USD

Hotel

Leading Hotels

6 TIMES SQUARE NEW YORK NY

Jan 31 Checking in: 01/31/2018 — Checking out: 02/01/2018

Total Rate: 233.75 USD

Air

Thursday February 01, 2018

[redacted] New York, NY (USA) (to ATL-Atlanta, GA (USA) (H

Feb 01 [redacted]

New York, NY (USA) [redacted] 02/01/2018 2:59PM — Duration: 2 Hours 44 Minutes Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 02/01/2018 5:43PM

Confirmation Number: [redacted]

Flight Information

Distance 761 miles — Emissions 296.8 lbs of CO2

No Seat Assigned

ATL-Atlanta, GA (USA) (H to TLH-Tallahassee, FL (USA

Feb 01 [redacted]

Atlanta, GA (USA) (Hartsfield IntL. Apt) 02/01/2018 7:03PM — Duration: 1 Hour 7 Minutes Nonstop

Tallahassee, FL (USA) 02/01/2018 8:10PM

Confirmation Number: [redacted]

Flight Information

Distance 224 miles — Emissions 87.4 lbs of CO2

No Seat Assigned

Hotel

Autograph

415 N Monroe St Tallahassee FL 32301-1222 850-224-6000

Feb 01 Checking in: 02/01/2018 — Checking out: 02/02/2018

Total Rate: 199.00 USD

Air

Friday February 02, 2018

TLH-Tallahassee, FL (USA to ATL-Atlanta, GA (USA) (H

Feb 02 [redacted]

Tallahassee, FL (USA) 02/02/2018 10:58AM — Duration: 1 Hour 6 Minutes Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 02/02/2018 12:04PM

Confirmation Number: [redacted]

Flight Information

Distance 224 miles — Emissions 87.4 lbs of CO2

No Seat Assigned

ATL-Atlanta, GA (USA) (H to MCO-Orlando, FL (USA) (I

Feb 02 [redacted]

Atlanta, GA (USA) (Hartsfield Intl. Apt) 02/02/2018 12:55PM
Confirmation Number: [redacted]

Duration: 1 Hour 30 Minutes Nonstop
Orlando, FL (USA) (Intl. Apt) 02/02/2018 2:25PM

Flight Information
Distance 404 miles
No Seat Assigned

Emissions 157.6 lbs of CO2

MCO-Orlando, FL (USA) (I to [redacted] shington, DC (USA)

Feb 02 [redacted]

Orlando, FL (USA) (Intl. Apt) 02/02/2018 9:10PM
Confirmation Number: [redacted]

Duration: 2 Hours 15 Minutes Nonstop
Washington, DC (USA) [redacted] 02/02/2018 11:25PM

Flight Information
Distance 760 miles
No Seat Assigned

Emissions 296.4 lbs of CO2

Expenses

Trip#: 1

Total Non-Per Diem 3,184.47 Total Per Diem Expenses: 582.75

Date	Description	Category	Cost	Pay Method	Per Diem
01/26/2018	Travel Fee	Com. Carrier	53.24	GOVCC	
	Comment: LB VIP Services				
01/31/2018	Airline Flight	Com. Carrier	3,070.60	GOVCC	
01/31/2018	Lodging	Lodging-PerDiem	233.75	GOVCC	*
	Comment: Conf Num: [redacted] Cmt: BOOKING MUST BE CANCELLED 48-H PRIOR 18-00H LOCAL TIME TO AVOID CHARGES CXL PENALTY IS 1 NIGHTS				
01/31/2018	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
02/01/2018	Hotel Tax (CONUS & OCONUS Only)	Hotel Tax	24.88	GOVCC	
02/01/2018	Lodging	Lodging-PerDiem	199.00	GOVCC	*
	Comment: Conf Num: [redacted] Cmt: 223.88 USD CXL FEE PER ROOM CANCELLATION PERMITTED UP TO 2DAYS BEFORE ARRIVAL				
02/01/2018	M&IE	M&IE-PerDiem	54.00	PERSONAL	*
02/01/2018	Internet Connection Fees	Misc Expense	15.00	PERSONAL	
02/02/2018	M&IE	M&IE-PerDiem	40.50	PERSONAL	*
02/02/2018	Internet Connection Fees	Misc Expense	6.00	PERSONAL	
02/08/2018	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 582.75

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D	Conf#
01/31/2018	164.00/ 74.00	233.75	233.75	55.50	55.50		
02/01/2018	116.00/ 54.00	199.00	199.00	54.00	54.00		
02/02/2018	116.00/ 54.00	0.00	0.00	40.50	40.50		

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	GOVCC	3,596.22
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	PERSONAL	171.00

Totals by Label

EPAAO11IO	18 OA IO ACCOUNT Total	A8T.20182019.B.11A.000ME8.MN111100.	3,767.22

Totals by Payment Method

GOVCC Total	3,596.22
PERSONAL Total	171.00

Document History 02/26/2018 Vch: VCH172722

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	02/08/2018	7:30AMEST	DAVIS, GWENDER G	
PREPARED	02/08/2018	10:46AMEST	DAVIS, GWENDER G	
SIGNED	02/08/2018	2:30PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	02/08/2018	4:30PMEST	WOODEN-AGUILAR, HELENA E	
VOUCHER APPROVED	02/09/2018	1:35PMEST	POWERS, JEANNA M	
PENDING	02/09/2018	1:35PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	02/09/2018	3:01PMEST	One, EAI User	
PENDING	02/09/2018	3:01PMEST	One, EAI User	
PAID	02/12/2018	4:01AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

.....

SIGNED DATE

Document Signatures

Traveler/Preparer Name: .....

Traveler/Preparer Signature: .....

Date: .....

Approver Name: .....

Approver Signature: .....

Date: .....

Document Header Information

Document Type:	Veh	Document Name:	VCH172864
Travel Authorization Number:	TAA05FN7	Trip Name:	Trip from Washington to Reno/Las Vegas, NV and return.
TA Date:	02/09/18	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	Travel to Nevada to visit Superfund sites, meet with elected officials, and conduct media interviews.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: Travel to Nevada to visit Superfund sites, meet with elected officials, and conduct media interviews.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
02/04/18	02/05/18	RENO, NV		105.00 / 64.00
02/05/18	02/06/18	LAS VEGAS, NV		134.00 / 64.00

Document Totals

Total Expenses:	4,127.03
Reimbursable Expenses:	4,127.03
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	4,127.03

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	3,635.78	.00
Hotel Tax	73.98	.00
Lodging-PerDiem	206.52	.00
M&IE-PerDiem	160.00	.00
Misc Expense	36.00	.00
Transaction Fees	14.75	.00
Total Expenses:	4,127.03	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		3,325.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	MGM Mirage		Las Vegas,NV	101.52
LODGE	Seepire Hotels			

Trip Itinerary

From [redacted] Washington, DC (USA) ([redacted] TO: SLC-Salt Lake City, UT (USA)

Air

Sunday February 04, 2018

[redacted] Washington, DC (USA) to SLC-Salt Lake City, UT (

Feb 04 [redacted]
Washington, DC (USA) [redacted] 02/04/2018 4:40PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Salt Lake City, UT (USA) 02/04/2018 7:37PM

Flight Information
Distance 1845 miles
No Seat Assigned

Emissions 719.5 lbs of CO2
Cost 3,325.00 USD

[redacted] Washington, DC (USA) to SLC-Salt Lake City, UT (

Feb 04 [redacted]
Washington, DC (USA) [redacted] 02/04/2018 4:40PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Salt Lake City, UT (USA) 02/04/2018 7:37PM

Flight Information
Distance 1845 miles
No Seat Assigned

Emissions 719.5 lbs of CO2
Cost 3,325.00 USD

[redacted] Washington, DC (USA) to SLC-Salt Lake City, UT (

Feb 04 [redacted]
Washington, DC (USA) [redacted] 02/04/2018 4:40PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Salt Lake City, UT (USA) 02/04/2018 7:37PM

Flight Information
Distance 1845 miles
No Seat Assigned

Emissions 719.5 lbs of CO2
Cost 3,325.00 USD

[redacted] Washington, DC (USA) to SLC-Salt Lake City, UT (

Feb 04 [redacted]
Washington, DC (USA) [redacted] 02/04/2018 4:40PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Salt Lake City, UT (USA) 02/04/2018 7:37PM

Flight Information
Distance 1845 miles
No Seat Assigned

Emissions 719.5 lbs of CO2
Cost 3,325.00 USD

SLC-Salt Lake City, UT (to RNO-Reno, NV (USA)

Feb 04 [redacted]
Salt Lake City, UT (USA) 02/04/2018 8:45PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Reno, NV (USA) 02/04/2018 9:30PM

Flight Information
Distance 421 miles
No Seat Assigned

Emissions 164.2 lbs of CO2

SLC-Salt Lake City, UT (to RNO-Reno, NV (USA)

Feb 04 [redacted]
Salt Lake City, UT (USA) 02/04/2018 8:45PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Reno, NV (USA) 02/04/2018 9:30PM

Flight Information
Distance 421 miles
No Seat Assigned

Emissions 164.2 lbs of CO2

SLC-Salt Lake City, UT (to RNO-Reno, NV (USA)

Feb 04 [redacted]
Salt Lake City, UT (USA) 02/04/2018 8:45PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Reno, NV (USA) 02/04/2018 9:30PM

Flight Information
Distance 421 miles
No Seat Assigned

Emissions 164.2 lbs of CO2

SLC-Salt Lake City, UT (to RNO-Reno, NV (USA)

Feb 04 [redacted]
Salt Lake City, UT (USA) 02/04/2018 8:45PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Reno, NV (USA) 02/04/2018 9:30PM

Flight Information
Distance 421 miles
No Seat Assigned

Emissions 164.2 lbs of CO2

Hotel

Sceptre Hotels

Feb 04 Checking in: 02/04/2018

Checking out: 02/05/2018
Total Rate: 105.00 USD

Sceptre Hotels

Feb 04 Checking in: 02/04/2018

Checking out: 02/05/2018
Total Rate: 105.00 USD

Sceptre Hotels

Feb 04 Checking in: 02/04/2018

Checking out: 02/05/2018
Total Rate: 105.00 USD

Sceptre Hotels

Feb 04 Checking in: 02/04/2018

Checking out: 02/05/2018
Total Rate: 105.00 USD

Air

Monday February 05, 2018

RNO-Reno, NV (USA) to LAS-Las Vegas, NV (USA)

Feb 05 [redacted]
Reno, NV (USA) 02/05/2018 5:15PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Las Vegas, NV (USA) (Mc+carran Intl.. Apt 02/05/2018 6:25PM

Flight Information
Distance 345 miles
No Seat Assigned

Emissions 134.6 lbs of CO2

RNO-Reno, NV (USA) to LAS-Las Vegas, NV (USA)

Feb 05 [redacted]
Reno, NV (USA) 02/05/2018 5:15PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Las Vegas, NV (USA) (Mc+carran Intl.. Apt 02/05/2018 6:25PM

Flight Information
Distance 345 miles
No Seat Assigned

Emissions 134.6 lbs of CO2

RNO-Reno, NV (USA) to LAS-Las Vegas, NV (USA)

Feb 05 [redacted]
Reno, NV (USA) 02/05/2018 5:15PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Las Vegas, NV (USA) (Mc+carran Intl.. Apt 02/05/2018 6:25PM

Flight Information
Distance 345 miles
No Seat Assigned

Emissions 134.6 lbs of CO2

RNO-Reno, NV (USA) to LAS-Las Vegas, NV (USA)

Feb 05 [redacted]
Reno, NV (USA) 02/05/2018 5:15PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Las Vegas, NV (USA) (Mc+carran Intl.. Apt 02/05/2018 6:25PM

Flight Information
Distance 345 miles
No Seat Assigned

Emissions 134.6 lbs of CO2

Hotel

MGM Mirage

2600 W Harmon Ave Las Vegas NV 89158 702-590-2111

Feb 05 Checking in: 02/05/2018

Checking out: 02/06/2018
Total Rate: 101.52 USD

MGM Mirage

2600 W Harmon Ave Las Vegas NV 89158 702-590-2111

Feb 05 Checking in: 02/05/2018

Checking out: 02/06/2018
Total Rate: 101.52 USD

MGM Mirage

2600 W Harmon Ave Las Vegas NV 89158 702-590-2111

Feb 05 Checking in: 02/05/2018 Checking out: 02/06/2018
Total Rate: 101.52 USD

MGM Mirage

2600 W Harmon Ave Las Vegas NV 89158 702-590-2111

Feb 05 Checking in: 02/05/2018 Checking out: 02/06/2018
Total Rate: 101.52 USD

Air

Tuesday February 06, 2018

LAS-Las Vegas, NV (USA) to PHX-Phoenix, AZ (USA) (S

Feb 06 [redacted] Duration: Unknown Nonstop
Las Vegas, NV (USA) (Mc+carran IntL. Apt 02/06/2018 10:00AM Phoenix, AZ (USA) (Sky Harbor Apt) 02/06/2018 12:29PM
Confirmation Number: [redacted]

Flight Information
Distance 253 miles Emissions 99.4 lbs of CO2
No Seat Assigned

LAS-Las Vegas, NV (USA) to PHX-Phoenix, AZ (USA) (S

Feb 06 [redacted] Duration: Unknown Nonstop
Las Vegas, NV (USA) (Mc+carran IntL. Apt 02/06/2018 10:00AM Phoenix, AZ (USA) (Sky Harbor Apt) 02/06/2018 12:29PM
Confirmation Number: [redacted]

Flight Information
Distance 255 miles Emissions 99.4 lbs of CO2
No Seat Assigned

LAS-Las Vegas, NV (USA) to PHX-Phoenix, AZ (USA) (S

Feb 06 [redacted] Duration: Unknown Nonstop
Las Vegas, NV (USA) (Mc+carran IntL. Apt 02/06/2018 10:00AM Phoenix, AZ (USA) (Sky Harbor Apt) 02/06/2018 12:29PM
Confirmation Number: [redacted]

Flight Information
Distance 255 miles Emissions 99.4 lbs of CO2
No Seat Assigned

LAS-Las Vegas, NV (USA) to PHX-Phoenix, AZ (USA) (S

Feb 06 [redacted] Duration: Unknown Nonstop
Las Vegas, NV (USA) (Mc+carran IntL. Apt 02/06/2018 10:00AM Phoenix, AZ (USA) (Sky Harbor Apt) 02/06/2018 12:29PM
Confirmation Number: [redacted]

Flight Information
Distance 255 miles Emissions 99.4 lbs of CO2
No Seat Assigned

PHX-Phoenix, AZ (USA) (S to [redacted] Washington, DC (USA)

Feb 06 [redacted] Duration: Unknown Nonstop
Phoenix, AZ (USA) (Sky Harbor Apt) 02/06/2018 1:56PM Washington, DC (USA) [redacted] 02/06/2018 8:14PM
Confirmation Number: [redacted]

Flight Information
Distance 1973 miles Emissions 769.5 lbs of CO2
No Seat Assigned

PHX-Phoenix, AZ (USA) (S to [redacted] Vashington, DC (USA)

Feb 06 [redacted] Duration: Unknown Nonstop
Phoenix, AZ (USA) (Sky Harbor Apt) 02/06/2018 1:56PM Washington, DC (USA) [redacted] 02/06/2018 8:14PM
Confirmation Number: [redacted]

Flight Information
Distance 1973 miles Emissions 769.5 lbs of CO2
No Seat Assigned

PHX-Phoenix, AZ (USA) (S [redacted] ashington, DC (USA)

Feb 06 [redacted] Duration: Unknown Nonstop
Phoenix, AZ (USA) (Sky Harbor Apt) 02/06/2018 1:56PM Washington, DC (USA) [redacted] 02/06/2018 8:14PM
Confirmation Number: [redacted]

Flight Information
Distance 1973 miles Emissions 769.5 lbs of CO2
No Seat Assigned

PHX-Phoenix, AZ (USA) (S to [redacted] Vashington, DC (USA)

Feb 06 [redacted] Duration: Unknown Nonstop

Phoenix, AZ (USA) (Sky Harbor Apt) 02/06/2018 1:56PM — Washington, DC (USA) (National Apt) 02/06/2018 8:14PM

Confirmation Number: [redacted]

Flight Information

Distance 1973 miles — Emissions 769.5 lbs of CO2

No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 3,760.51 — Total Per Diem Expenses: 366.52

Date	Description	Category	Cost	Pay Method	Per Diem
02/01/2018	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
02/01/2018	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
02/04/2018	Airline Flight	Com. Carrier	3,529.30	GOVCC	
02/04/2018	Hotel Tax (CONUS & OCONUS Only)	Hotel Tax	16.18	GOVCC	
02/04/2018	Lodging	Lodging-PerDiem	105.00	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
02/04/2018	M&IE	M&IE-PerDiem	48.00	PERSONAL	*
02/04/2018	Internet Connection Fees	Misc Expense	20.00	PERSONAL	
02/05/2018	Hotel Tax (CONUS & OCONUS Only)	Hotel Tax	57.80	GOVCC	
02/05/2018	Lodging	Lodging-PerDiem	101.52	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
02/05/2018	M&IE	M&IE-PerDiem	64.00	PERSONAL	*
02/06/2018	M&IE	M&IE-PerDiem	48.00	PERSONAL	*
02/06/2018	Internet Connection Fees	Misc Expense	16.00	PERSONAL	
02/09/2018	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 366.52

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Con%
02/04/2018	105.00/ 64.00	105.00	105.00	48.00	48.00	
02/05/2018	134.00/ 64.00	101.52	101.52	64.00	64.00	
02/06/2018	134.00/ 64.00	0.00	0.00	48.00	48.00	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	GOVCC	3,931.03
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	PERSONAL	196.00

Totals by Label

EPAAO11IO	18 OA IO ACCOUNT Total	A8T.20182019.B.11A.000ME8.MN111100.	4,127.03

Totals by Payment Method

GOVCC Total	3,931.03
PERSONAL Total	196.00

Document History 02/26/2018 Veh: VCH172864

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	02/09/2018	8:39AMEST	DAVIS, GWENDER G	
PREPARED	02/09/2018	9:13AMEST	DAVIS, GWENDER G	
PREPARED	02/09/2018	11:41AMEST	DAVIS, GWENDER G	
SIGNED	02/09/2018	1:07PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	02/09/2018	1:16PMEST	WOODEN-AGUILAR, HELENA E	
ADJUSTED	02/12/2018	12:25PMEST	POWERS, JEANNA M	
VOUCHER APPROVED	02/12/2018	12:37PMEST	POWERS, JEANNA M	
PENDING	02/12/2018	12:37PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	02/12/2018	2:01PMEST	Onc, EAI User	
PENDING	02/12/2018	2:01PMEST	Onc, EAI User	
PAID	02/13/2018	3:01AMEST	Onc, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH173741
Travel Authorization Number:	TAA05F24	Trip Name:	Trip from Washington to Boston, MA and return.
TA Date:	02/20/18	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will travel to New England to visit a superfund site, a hydro facility, participate in a roundtable with environmental officials, visit with the governor of New Hampshire and visit the regional office.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will travel to New England to visit a superfund site, a hydro facility, participate in a roundtable with environmental officials, visit with the governor of New Hampshire and visit the regional office.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
02/13/18	02/14/18	BOSTON, MA		169.00 / 69.00

Document Totals

Total Expenses:	1,739.75
Reimbursable Expenses:	1,739.75
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	1,739.75

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	1,428.08	.00
Hotel Tax	24.42	.00
Lodging-PerDiem	169.00	.00
M&IE-PerDiem	103.50	.00
Transaction Fees	14.75	.00
Total Expenses:	1,739.75	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Tickets	Location	Cost
COMM-CARR	[redacted]	[redacted]		3,943.60
COMM-CARR				.00
LODGE	Kimpton Hotels		Boston,MA	169.00

Trip Itinerary

From: [redacted] Washington, DC (USA) [redacted] TO: BOS-Boston, MA (USA) (Logan IntL. Apt)

Air

Tuesday February 13, 2018

[redacted] Washington, DC (USA) to BOS-Boston, MA (USA) (Lo

Feb 1[redacted]

Washington, DC (USA) [redacted] 02/13/2018 6:30AM — Duration: Unknown Nonstop

Boston, MA (USA) (Logan IntL. Apt) 02/13/2018 7:55AM

Confirmation Number: [redacted]

Flight Information

Distance 398 miles — Emissions 155.2 lbs of CO2

No Seat Assigned — Cost 3,943.60 USD

[redacted] Washington, DC (USA) to BOS-Boston, MA (USA) (Lo

Feb 13 [redacted]

Washington, DC (USA) [redacted] 02/13/2018 6:30AM — Duration: Unknown Nonstop

Boston, MA (USA) (Logan IntL. Apt) 02/13/2018 7:55AM

Confirmation Number: [redacted]

Flight Information

Distance 398 miles — Emissions 155.2 lbs of CO2

No Seat Assigned — Cost 3,943.60 USD

[redacted] Washington, DC (USA) to BOS-Boston, MA (USA) (Lo

Feb 13 [redacted]

Washington, DC (USA) [redacted] 02/13/2018 6:30AM — Duration: Unknown Nonstop

Boston, MA (USA) (Logan IntL. Apt) 02/13/2018 7:55AM

Confirmation Number: [redacted]

Flight Information

Distance 398 miles — Emissions 155.2 lbs of CO2

No Seat Assigned — Cost 3,943.60 USD

Hotel

Kimpton Hotels

90 Tremont St Boston MA 02108 617-772-5800

Feb 13 Checking in: 02/13/2018 — Checking out: 02/14/2018

Total Rate: 169.00 USD

Kimpton Hotels

90 Tremont St Boston MA 02108 617-772-5800

Feb 13 Checking in: 02/13/2018 — Checking out: 02/14/2018

Total Rate: 169.00 USD

Kimpton Hotels

90 Tremont St Boston MA 02108 617-772-5800

Feb 13 Checking in: 02/13/2018 — Checking out: 02/14/2018

Total Rate: 169.00 USD

Air

Wednesday February 14, 2018

BDL-Hartford, CT (USA) (to [redacted] Washington, DC (USA)

Feb 14 [redacted]

Hartford, CT (USA) (Bradley IntL. Apt) 02/14/2018 3:44PM — Duration: Unknown Nonstop

Washington, DC (USA) [redacted] 02/14/2018 5:26PM

Confirmation Number: [redacted]

Flight Information

Distance 313 miles — Emissions 122.1 lbs of CO2

No Seat Assigned

BDL-Hartford, CT (USA) ([redacted] ashington, DC (USA)

Feb 14 [redacted]

Hartford, CT (USA) (Bradley IntL. Apt) 02/14/2018 3:44PM — Duration: Unknown Nonstop

Washington, DC (USA) [redacted] 02/14/2018 5:26PM

Confirmation Number: [redacted]

Flight Information

Distance 313 miles — Emissions 122.1 lbs of CO2

No Seat Assigned

BDL-Hartford, CT (USA) ([redacted] ashington, DC (USA)

Feb 14 [redacted]

Hartford, CT (USA) (Bradley Intl., Apt) 02/14/2018 3:44PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 02/14/2018 5:26PM

Flight Information
Distance 313 miles
No Seat Assigned

Emissions 122.1 lbs of CO2

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 1,467.25 — Total Per Diem Expenses: 272.50

Date	Description	Category	Cost	Pay Method	Per Diem
02/09/2018	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
02/12/2018	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
02/13/2018	Airline Flight	Com. Carrier	1,321.60	GOVCC	
02/13/2018	Hotel Tax (CONUS & OCONUS Only)	Hotel Tax	24.42	GOVCC	
02/13/2018	Lodging	Lodging-PerDiem	169.00	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
02/13/2018	M&IE	M&IE-PerDiem	51.75	PERSONAL	*
02/14/2018	M&IE	M&IE-PerDiem	51.75	PERSONAL	*
02/20/2018	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 272.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
02/13/2018	169.00/ 69.00	169.00	169.00	51.75	51.75	
02/14/2018	169.00/ 69.00	0.00	0.00	51.75	51.75	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	GOVCC	1,636.25
EPAAO11IO	18 OA IO ACCOUNT	A8T.20182019.B.11A.000ME8.MN111100.	PERSONAL	103.50

Totals by Label

EPAAO11IO	18 OA IO ACCOUNT Total	A8T.20182019.B.11A.000ME8.MN111100.	1,739.75

Totals by Payment Method

GOVCC Total	1,636.25
PERSONAL Total	103.50

Document History 02/26/2018 Veh: VCH173741

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	02/20/2018	8:17AMEST	DAVIS, GWENDER G	
PREPARED	02/20/2018	9:00AMEST	DAVIS, GWENDER G	
PREPARED	02/20/2018	9:04AMEST	DAVIS, GWENDER G	
SIGNED	02/21/2018	12:39PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	02/21/2018	3:35PMEST	WOODEN-AGUILAR, HELENA E	
VOUCHER APPROVED	02/23/2018	7:17AMEST	RUEHL, JASON Drew	
PENDING	02/23/2018	7:17AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	02/23/2018	9:03AMEST	Onc, EAI User	
PENDING	02/23/2018	9:03AMEST	Onc, EAI User	
PAID	02/23/2018	11:03AMEST	Onc, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED/DATE

Document Signatures

Traveler/Preparer Name: .....

Traveler/Preparer Signature: .....

Date: .....

Approver Name: .....

Approver Signature: .....

Date: .....

Message

From: George D. Baker [gdbaker@wms-jen.com]
Sent: 3/21/2018 3:45:51 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Really looking to talk today

Ryan: Please call me today. I am at the office (despite snow day) or call my cell. Thanks,

George Baker
Williams & Jensen

Ex. 6

Disclaimer

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Message

From: Tom Rastin [trastin@arielcorp.com]
Sent: 3/18/2018 5:11:06 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: NGV Regulatory Reforms
Attachments: Regulatory Briefing Memo.docx

Hi Ryan,

I want to thank you for your time on Friday.

This is a great opportunity for the nation by achieving the government's clean air and reduced petroleum objectives, while also meeting the Administration's broader economic goals. This can all be achieved by providing automakers with straightforward and regulatory incentives to NGVs similar to those provided to EVs.

As outlined in the attached briefing memo, we have met with representatives of EPA, NHTSA, CARB, the NEC, the Big-3 and other key stakeholders.

At EPA, our meetings have included Bill Wehrum; Office of Air & Radiation – Mandy Gunasekara, Brittany Bolen and Daisy Letendre; Office of Policy – Drew Feeley; and Office of Transportation and Air Quality – Bill Charmley, Director, Assessment & Standards Division.

Our four reform proposals have no cost to the government and provide a cost-effective regulatory compliance solution to automakers for their largest, most fuel consuming, and most polluting vehicle segment – light-duty trucks such as pick-ups – for which there is no commercially viable EV solution. With significant benefits that will also accrue to everyday American drivers and the US energy industry, this is a big win for all. Our proposals are also a path to reducing emissions and petroleum use regardless of whether the standards are reduced or not. As discussed in our discussion restoring the 0.15 divisor and the removal of the dual-fuel design requirements are the most critical points of the proposal.

Please let me know if there is any follow-up or additional information that would be helpful to you and your internal discussions. Also, please let me know if additional information or a follow up discussion with Bill Wehrum would be helpful.

Representatives of our regulatory team will be following up with you and can be helpful to providing greater detail on the proposals and our prior discussions mentioned above. Of course I'm available to respond to any questions you may have. I'd also be highly interested in and greatly appreciative of any feedback you could provide following your internal discussions.

Kindest regards,
Tom

Modifying Outdated Vehicle Fuel & Emissions Policy with NGVs & Clean & Domestically Abundant Natural Gas & Ultra-Clean Renewable Natural Gas

With automakers struggling to meet increasing emissions standards for light-duty vehicles, EPA should give serious consideration to revising its light-duty greenhouse gas emission regulations to credit natural gas vehicles (NGVs) with emission reduction benefits in the same way it treats electric vehicles (EVs). We have attached our proposed regulatory changes that will give automakers more options for meeting emission and CAFE targets while providing a broad set of benefits to the nation.

Reform can be included as part of the Midterm Evaluation (MTE) or as a separate rulemaking to avoid any MTE-related delays. It is important to assure automakers sufficient lead time. (Please refer to appendix for a summary of the proposed regulatory reform.)

Since the CAFE and greenhouse gas regulations were drafted there has been a significant shift in market dynamics in favor of natural gas vehicles, including: (i) the shale revolution and abundance of domestic natural gas; (ii) the limited market receptivity and technology (e.g., range and charging times) of EVs; (iii) growth of the light-truck market (e.g., pick-ups) for which there is no commercially viable EV solution; (iv) expansion of supplies in renewable natural gas (RNG; e.g., from landfills); and, (v) the global receptivity of NGVs (24 million worldwide vs. ~150,000 in the US).

Current EPA policies are pushing automakers to use EVs to meet fuel economy and emissions regulations. This *single solution* emphasis has resulted in a bias heavily favoring EVs and ignoring the benefits of NGVs. The results of this policy has been to leave automakers struggling to meet fuel economy and emissions regulation for light-duty trucks, which are their most important and most fuel consuming segment, and not maximizing the regulatory objectives of clean air and reduced petroleum.

Automaker regulatory compliance has primarily been reliant on improvements in the internal combustion engine improvements and the light-weighting of vehicles. EVs are the least impactful to the objectives of the regulations by being limited to smaller/lighter passenger and luxury vehicles which have the smallest market share, are driven the least, are already the most fuel efficient, and contribute the least to gasoline use and pollution.

Meanwhile, light-truck sales continue to increase and today are 64% of market. With their lower fuel economy, light-trucks are the overwhelming culprits of fuel use and pollution. NGVs are uniquely suited to accommodate the weight and utility of light-trucks and leverage the internal combustion engine. Bi-fuel NGVs eliminate range anxiety as fueling infrastructure develops. As a result, NGVs are the most impactful opportunity to maximize the objectives of the regulations.

With regulatory support, NGVs can deliver the following benefits:

- **Game-Changing Lifecycle Emissions:** NGVs reduce GHG emissions by ~25% and can yield *negative* lifecycle emissions with RNG. With 35% of NGV's fueling with RNG, game-changing emission reductions equal to EVs are being achieved – and should be incentivized.
- **Alternative Fuel for Light-Trucks:** NGVs provide automakers a cost-effective regulatory strategy for its light-trucks, the largest, most profitable (2-3x passenger vehicles), and most polluting part of the market.
- **Cleaning Up Older Vehicles:** While unfeasible to electrify existing vehicles, *they can be converted to natural gas* – an opportunity to address the highly polluting existing vehicle population and expand the benefits of the rules.

- **Economic & National Security Benefits:** In addition to the environment, these reforms will benefit the auto, energy and agriculture (from RNG) industries, as well as job creation, GDP growth, and trade deficit reduction.

Lacking a cost-effective regulatory option, automakers need reform to cost-effectively meet light-duty truck emission targets, which is offered by natural gas vehicles and essential to their economic health. Meanwhile, California policymakers are demanding the targets remain, threatening years of legal uncertainty and a fractured regulatory landscape. Bi-fuel NGVs are the missing piece of the puzzle. The massive environmental benefits of RNG have been acknowledged by California Air Resources Board (CARB), and NGVs leverage this ultra-clean fuel, while providing a longer term pathway to hydrogen for which natural gas is a feedstock.

Our initiative has developed support following extensive meetings with regulatory agencies (EPA, NHTSA and CARB), legislators, the NEC, the Big-3, and industry stakeholders.

EPA Staff Meetings:

- Bill Wehrum, Assistant Administrator
- Office of Air & Radiation Mandy Gunasekara,, Brittany Bolen, Daisy Letendre
- Office of Policy: Drew Feeley
- Office of Transportation and Air Quality: Bill Charmley, Director, Assessment & Standards Division,

Other meetings include the following:

Congressional Staff	**Agencies & Committees**	**White House**
• Inhofe (R-OK) • Portman (R-OH) • Mullin (R-OK) • Stivers (R-OH) • Casey (D-PA) • Markey (D-MA) • Heitkamp (D-ND) • Larson (D-CT) • Reed (R-NY) • Cramer (R-ND)	• NHTSA staff (Loren Smith) • California Air Research Board (CARB) • DOE staff (Daniel Simmons) • Senate Committee on Energy and Natural Resources (Ben Reinke) • Senate Committee on Environmental and Public Works (Elizabeth Horner) • House Committee on Energy and Commerce Committee (Ben Lieberman)	• VP Pence staff (Francis Brooke) • Michael Catanzaro (Special Assistant to the President for Domestic Energy and Environmental Policy) **Associations** • NGV America • American Biogas Council • Counsel for NACS **Big-3 Regulatory & Ops Staff** • FCA • Ford • GM

APPENDIX I – A Regulatory Reform Agenda for NGVs

The reforms necessary to achieve this goal are straightforward and fully justified by the game-changing environmental benefits of NGV technology, including the use of renewable natural gas (RNG), the potential for high-efficiency engines, and synergies with hydrogen fuel cell vehicles. We recommend four actions with the 0.15 Divisor and removing dual-fuel design requirements as the most critical of the four reform proposals:

- **Restore 0.15 Divisor:** NGV emissions calculations should return to the "0.15 divisor" effective immediately, with emissions calculated as 85% below a gasoline vehicle (as was the case before 2016). This is justified by the game-changing real-world emissions benefits of RNG, and is moreover harmonized with Congressionally-mandated incentives under the CAFE program.

  We recommend reinstating language from the MY 2011-2016 regulations under 40 C.F.R. § 600.510–12, Calculation of average fuel economy and average carbon-related exhaust emissions.

- **Remove Dual-Fuel Design Requirements:** EPA should remove the utility factor requirements for a 2:1 ratio of CNG-to-gasoline range, as well as the requirement for dual-fuel NGVs to only use gasoline when the CNG tank is empty. These unnecessary design requirements add cost and reduce the appeal of these vehicles to consumers, and analogous plug-in hybrid electric (PHEV) vehicles face no such requirements despite having far lower driving range on electricity (<40 miles) compared to the typical natural gas range of a dual-fuel NGV pickup (250+ miles).

  This could be achieved by deleting the requirements in 40 C.F.R. § 600.510–12, Calculation of average fuel economy and average carbon-related exhaust emissions, part (c)(2)(vii)(B) for fuel economy and (j)(2)(vii)(B) for emissions.

- **NGV Pickup Incentive:** EPA has recognized the unique challenges facing full-sized pickups, and natural gas could be the ideal low-emission platform for these vehicles. This could be encouraged by offering a "Natural Gas Pickup" incentive similar to current hybrid-electric and "performance-based" pickup incentives; however, for the natural gas pickup credit, minimum deployment thresholds (10% of all full-size pickups for existing credits) should be eliminated to reflect the greater market challenges faced by NGVs - since, unlike hybrids, they use an alternative fuel.

  This could be accomplished by inserting a new section (c) under 40 C.F.R. § 86.1870–12, CO2 credits for qualifying full-size pickup trucks, titled "Credits for implementation of natural gas technology." The structure of these credits would be similar to those for sections (a) and (b), but without requirements for the "required minimum percent of full size pickup trucks."

- **Recognize Retrofits:** Encouraging retrofits of older gasoline vehicles to run on CNG is slightly more complex, but offers a unique opportunity to reduce vehicle emissions throughout their useful life instead of just at the point of sale. EPA should allow certified converters to "opt in" to the program and generate credits for CNG retrofits and upfits, prorated in proportion to their remaining useful life. Retrofits could also be encouraged by providing credits for CNG "prep packages" that reduce the costs of subsequent conversion to natural gas, as part of the off-cycle credit technologies menu listed at *40 C.F.R. § 86.1869–12, CO2 credits for off-cycle CO2-reducing technologies.*

###

Message

From: Paige Pulaski [paige@achieveit.com]
Sent: 3/21/2018 11:54:05 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: [Webinar Tomorrow] RE: How Accountability Helps You Win

Hi Ryan,

Are you able to break for lunch with us tomorrow? This is the sort of stuff that delineates successful teams from those who get left behind.

Know that if you can't attend live, register here and we'll send you the slides and video recording.

Click here to register now.

Hope to see you online,

Paige Pulaski | Marketing Content Manager
e. marketing@achieveit.com | Ex. 6

achieveit®

Not familiar with AchieveIt? Watch this 2-minute product video.

Manage email preferences.

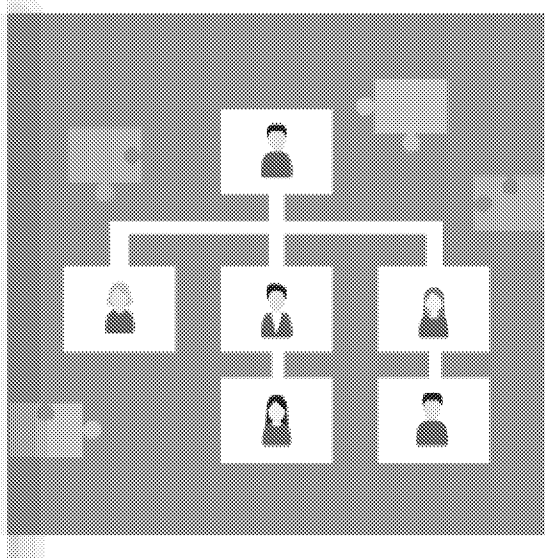
From: AchieveIt Webinars
Sent: Wednesday, March 7, 2018
To: Ryan
Subject: How Accountability Helps You Win

achieveit

LIVE WEBINAR

THE SECRETS OF ACCOUNTABILITY: HOW TO DRIVE BETTER PERFORMANCE

REGISTER NOW



Lacking a culture of accountability can leave the plans you're trying to execute with a less-than-desirable completion rate.

Join our webinar on **March 22nd** to learn how to define specific expectations, specific coaching, and specific language to accelerate winning results and relationships.

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You will learn:

- Communicate the Circle of Consequences
- Use accountable language and avoid accountability killers
- Use the 3Ws to communicate expectations
- Apply the Learning Pyramid to avoid re-coaching

Speaker:
Lee Colan
The L Group

Date/Time:
Thursday, March 22
1:00pm ET (view in my timezone)

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Edit your email preferences.

Message

From: Ex. 6
Sent: 3/23/2018 3:07:37 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Appointment Application
Attachments: Pres Appointment.pdf

Hello,

I hope that all remain safe on your end. Study the attached letter. If you know of any at the White House, would you kindly forward them the letter. Thanks. If you have any questions, do not hesitate to call me.

Warm Regards,
Ex. 6

Ex. 6

Ex. 6

Ex. 6

Ex. 6

Message

From: Lyons, Troy [lyons.troy@epa.gov]
Sent: 3/20/2018 10:14:18 PM
To: Hambleton, Ryan [Ryan.Hambleton@mail.house.gov]; rob.borden@mail.house.gov; Caroline.Nabity@mail.house.gov
CC: Ringel, Aaron [ringel.aaron@epa.gov]; Rodrick, Christian [rodrick.christian@epa.gov]
Subject: EPA's Formal Response: Air Travel 1/2
Attachments: Chairman Gowdy 3-20-18 (Air Travel).pdf; EPA Travel Voucher Production March 20 2018_Part1.pdf

Importance: High

All—Please find attached a letter responding to Chairman Gowdy's February 20th inquiry. Due to the size of the responsive documents, I need to split the attachments into two emails.
Please forward to Ranking Member Cummings' staff.

Please let me know if you have any questions.

Many thanks,

Troy

Troy M. Lyons
Associate Administrator
Office of Congressional & Intergovernmental Relations
U.S. Environmental Protection Agency
Ex. 6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 20 2018

OFFICE OF
CONGRESSIONAL AND
INTERGOVERNMENTAL
RELATIONS

The Honorable Trey Gowdy
Chairman
Committee on Oversight and Government Reform
U.S. House of Representatives
Washington, D.C. 20515

Dear Mr. Chairman:

This responds to your letter, dated February 20, 2018, regarding past air travel of Administrator Pruitt. The Administrator asked that I respond on his behalf.

The U.S. Environmental Protection Agency's Protective Service Detail has identified specific, ongoing threats associated with the Administrator's air travel and, therefore, shifted his class based on certain security protocols that require him to be near the front of the plane. This location allows the Administrator's security agents to expeditiously exit with him upon the occurrence of a threat. According to EPA's Assistant Inspector General for Investigations, Administrator Pruitt "has had significantly more threats directed against him. There's absolutely no question about it."[1] In fact, EPA has received "at least four to five times the number of threats against Mr. Pruitt than [the agency] had against Ms. [Gina] McCarthy."[2] In addition to the increased number of threats, the Assistant Inspector General explained that the threats "run the variety of direct threats – 'I'm going to put a bullet in your brain' – to implied threats – 'if you don't classify this particular chemical in this particular way, I'm going to hurt you.'"[3] These threats are not limited to just Administrator Pruitt – they also target his family.[4]

Because of these ongoing security concerns, EPA had approved, on an individualized basis, each time the Administrator needed to use other than coach-travel accommodations. Federal Travel Regulations state that "[w]hen exceptional security circumstances require other than coach-class airline accommodations," an agency "may authorize/approve first class accommodations."[5]

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[1] *Threats on rise via tweets, postcards and emails*, Greenwire (January 11, 2018). Available at https://www.eenews.net/greenwire/stories/1060070805.
[2] *EPA pulls agents from criminal investigations to guard Pruitt*, CNN (November 28, 2017). Available at https://www.cnn.com/2017/09/21/politics/epa-pruitt-agents/index.html.
[3] *Id.*
[4] *EPA Chief's First-Class Travel Prompted by 'Aggressive' Encounters, Official Says*, Bloomberg Politics (February 15, 2018). Available at https://www.bloomberg.com/news/articles/2018-02-15/epa-chief-s-high-flying-travel-prompted-by-vulgar-encounters.
[5] 41 C.F.R. § 301-10.123(a)(3).

Further, "exceptional security circumstances are determined by [an] agency and should only be authorized up to the minimum other than coach-class accommodation necessary."[6] These circumstances include, but are not limited to, situations when the "[u]se of coach-class accommodations would endanger [one's] life or Government property" or an agent on protective detail is "accompanying an individual authorized to use other than coach-class accommodations."[7] The regulations for an agency to approve/authorize business-class accommodations mirror those for first-class accommodations.[8]

Enclosed please find information and documentation responsive to your request for official air travel of the Administrator, including airfare and other travel information. On past trips, his protective service detail accompanied him in first class. Should you need information and documentation regarding the travel of the Administrator's Protective Service Detail, we can work with your staff to provide you with an opportunity to review those documents at EPA, as they are security sensitive.

If you have further questions, please contact me or your staff may contact Kyle Aarons in my office at (202) 564-7351 or Aarons.Kyle@epa.gov.

Sincerely,

Troy M. Lyons
Associate Administrator

Enclosures

cc: The Honorable Elijah E. Cummings
Ranking Member

---

[6] *Id.*
[7] §§ 301-10.123(a)(3)(i), (ii).
[8] *See* 41 C.F.R. § 301-10.123(b)(2).

Document Header Information

Document Type:	Vch	Document Name:	VCH130993
Travel Authorization Number:	TAA0473J	Trip Name:	Trip from Washington to Houston, TX and then Tulsa, OK to Washington, DC
TA Date:	03/20/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be travelling to Houston TX to speak at the CERAWEEK 2017 Conference Houston, TX and then go to his residence in Tulsa, OK. It is cost effective to return him one way from Tulsa, OK to DC for $307.80 then Houston, TX to DCA one way for $457.27. He will pay his way from Houston, TX to Tulsa, OK.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	ID:	[redacted]
TID:	[redacted]	Organization:	EPAAO11IO
Title:		Duty Station:	
Security Cl:		Card:	ADVANCE AUTHORIZED
Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460	EMAIL:	[redacted]
Office Phone:	[redacted]	Cell Phone:	
Home Address:	[redacted] [redacted]	Home Phone:	
Alternate Address:		Alternate Phone:	

Document Information

Trip Number: 1 Selected Trip

Purpose: The Administrator will be travelling to Houston TX to speak at the CERAWEEK 2017 Conference Houston, TX and then go to his residence in Tulsa, OK. It is cost effective to return him one way from Tulsa, OK to DC for $307.80 then Houston, TX to DCA one way for $457.27. He will pay his way from Houston, TX to Tulsa, OK.

Itinerary Locations

Check In	Check Out	Location	Purpose	Rate
03/08/17	03/09/17	HOUSTON, TX	2-INFORMATIONAL MEETING	135.00 / 59.00
03/09/17	03/12/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00

Document Totals

Total Expenses:	1,039.43
Reimbursable Expenses:	1,039.43
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	55.62
Net to Government:	.00
Pay to Charge Card:	983.81

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	609.90	.00
Lodging & M&IE	366.50	.00
Misc Expense	48.28	.00
Transaction Fees	14.75	.00
Total Expenses:	1,039.43	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		575.60
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00

Trip Itinerary

From [redacted]-Washington, DC (USA) [redacted] TO: ATL-Atlanta, GA (USA) (Hartsfield IntL.

Air

Wednesday March 08, 2017

[redacted]-Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Mar 08 [redacted] — Duration: 2 Hours 6 Minutes Nonstop

Washington, DC (USA) ([redacted]) 03/08/2017 7:25PM — Atlanta, GA (USA) (Hartsfield IntL. Apt) 03/08/2017 9:31PM

Confirmation Number: [redacted]

Flight Information

Distance 547 miles — Emissions 213.3 lbs of CO2

No Seat Assigned — Cost 575.60 USD

ATL-Atlanta, GA (USA) (H to IAH-Houston, TX (USA) (B

Mar 08 [redacted] — Duration: 2 Hours 20 Minutes Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 03/08/2017 10:24PM — Houston, TX (USA) (Bush Intercontinental 03/08/2017 11:44PM

Confirmation Number: [redacted]

Flight Information

Distance 686 miles — Emissions 267.5 lbs of CO2

No Seat Assigned

Sunday March 12, 2017

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Mar 12 [redacted] — Duration: 2 Hours Nonstop

Tulsa, OK (USA) (IntL. Apt) 03/12/2017 3:25PM — Atlanta, GA (USA) (Hartsfield IntL. Apt) 03/12/2017 6:25PM

Confirmation Number: [redacted]

Flight Information

Distance 671 miles — Emissions 261.7 lbs of CO2

No Seat Assigned

ATL-Atlanta, GA (USA) (H to [redacted]-Washington, DC (USA)

Mar 12 [redacted] — Duration: 1 Hour 49 Minutes Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 03/12/2017 7:20PM — Washington, DC (USA) ([redacted]) 03/12/2017 9:09PM

Confirmation Number: [redacted]

Flight Information

Distance 547 miles — Emissions 213.3 lbs of CO2

No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 672.93 — Total Per Diem Expenses: 366.50

Date	Description	Category	Cost	Pay Method	Per Diem
03/06/2017	Travel Fee	Com. Carrier	34.30	GOVCC	
Comment:	LB ATRS Domestic w-Air-Rail				
03/08/2017	Airline Flight	Com. Carrier	575.60	GOVCC	
03/08/2017	Lodging	Lodging & M&IE	284.00	PERSONAL	*
03/08/2017	M&IE	Lodging & M&IE	44.25	PERSONAL	*
03/08/2017	Hotel Tax (CONUS Only)	Misc Expense	48.28	PERSONAL	
03/12/2017	M&IE	Lodging & M&IE	38.25	PERSONAL	*
03/20/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 366.50

EPA Voucher Production March 2018 P.2

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D	Conf%

03/08/2017	135.00/ 59.00	284.00	284.00	44.25	44.25
03/09/2017	91.00/ 51.00	0.00	0.00	0.00	0.00
03/10/2017	91.00/ 51.00	0.00	0.00	0.00	0.00
03/11/2017	91.00/ 51.00	0.00	0.00	0.00	0.00
03/12/2017	91.00/ 51.00	0.00	0.00	38.25	38.25

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	16 OA IO ACCOUNT	[redacted]	GOVCC	624.65
EPAAO11IO	16 OA IO ACCOUNT	[redacted]	PERSONAL	414.78

Totals by Label

EPAAO11IO	16 OA IO ACCOUNT Total	[redacted]	1,039.43

Totals by Payment Method

GOVCC Total	624.65
PERSONAL Total	414.78

Document History 06/13/2017 Vch: VCH130993

Copyright 1989-2009 Concur Government Edition: Concur Inc. PRUITT, EDWARD SCOTT. [redacted]

STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	03/20/2017	7:13AMEST	DAVIS, GWENDER G	
PREPARED	03/20/2017	7:33AMEST	DAVIS, GWENDER G	
SIGNED	03/20/2017	11:15AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	03/21/2017	9:50AMEST	ALLEN, REGINALD E	
ADJUSTED	03/22/2017	12:29PMEST	MARTINI, SARAH J	
VOUCHER APPROVED	03/22/2017	12:31PMEST	MARTINI, SARAH J	
PENDING	03/22/2017	12:31PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	03/23/2017	4:03PMEST	One, EAI User	
PENDING	03/23/2017	4:03PMEST	One, EAI User	
PAID	03/24/2017	6:02AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH136584
Travel Authorization Number:	TAA0499M	Trip Name:	Trip from Washington to Oklahoma City, OK then to Tulsa, OK and return to Washington, DC
TA Date:	04/27/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be traveling to OKC to receive an award and give a speech at the National Stripper Well Association's Energy Gala on 3/23/17. This will only be a one way fare for official business then on to his residence for the weekend. There will be meals provided and was told by OGC to disallow dinner for 3/23. This traveler was paying his way back on his own but due to interviews in the morning of 3/26 he wanted to change to leave on 3/27 morning.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUTTT, EDWARD SCOTT	ID:	[redacted]
TID:	[redacted]	Organization:	EPAAO11IO
Title:		Duty Station:	
Security Cl:		Card:	ADVANCE AUTHORIZED
Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460	EMAIL:	[redacted]
Office Phone:	[redacted]	Cell Phone:	
Home Address:	[redacted] [redacted]	Home Phone:	
Alternate Address:		Alternate Phone:	

Document Information

Trip Number: 1 Selected Trip

Purpose: The Administrator will be traveling to OKC to receive an award and give a speech at the National Stripper Well Association's Energy Gala on 3/23/17. This will only be a one way fare for official business then on to his residence for the weekend. There will be meals provided and was told by OGC to disallow dinner for 3/23. This traveler was paying his way back on his own but due to interviews in the morning of 3/26 he wanted to change to leave on 3/27 morning.

Itinerary Locations

Check In	Check Out	Location	Purpose	Rate
03/23/17	03/27/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00

Document Totals

Total Expenses:	615.38
Reimbursable Expenses:	615.38
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	53.50
Net to Government:	.00
Pay to Charge Card:	561.88

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	537.14	.00
Lodging & M&IE	53.50	.00
Misc Expense	9.99	.00
Transaction Fees	14.75	.00
Total Expenses:	615.38	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		298.80
COMM-CARR	[redacted]	[redacted]		.00

Trip Itinerary

From:[redacted] Washington, DC (USA) [redacted] TO: DFW-Dallas / Ft. Worth, TX (USA) (IntL.

Air

Thursday March 23, 2017

[redacted] Washington, DC (USA) to DFW-Dallas / Ft. Worth,

Mar 23 [redacted]
Washington, DC (USA) ([redacted]) 03/23/2017 12:50PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 03/23/2017 3:26PM

Flight Information
Distance 1189 miles
No Seat Assigned

Emissions 463.7 lbs of CO2
Cost 298.80 USD

[redacted] Washington, DC (USA) to DFW-Dallas / Ft. Worth,

Mar 23 [redacted]
Washington, DC (USA) ([redacted]) 03/23/2017 12:50PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 03/23/2017 3:26PM

Flight Information
Distance 1189 miles
No Seat Assigned

Emissions 463.7 lbs of CO2
Cost 298.80 USD

[redacted] Washington, DC (USA) to DFW-Dallas / Ft. Worth,

Mar 23 [redacted]
Washington, DC (USA) ([redacted]) 03/23/2017 12:50PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 03/23/2017 3:26PM

Flight Information
Distance 1189 miles
No Seat Assigned

Emissions 463.7 lbs of CO2
Cost 298.80 USD

DFW-Dallas / Ft. Worth, to OKC-Oklahoma City, OK (U

Mar 23 [redacted]
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 03/23/2017 4:34PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Oklahoma City, OK (USA) (Will Rogers Apt 03/23/2017 5:32PM

Flight Information
Distance 175 miles
No Seat Assigned

Emissions 68.3 lbs of CO2

DFW-Dallas / Ft. Worth, to OKC-Oklahoma City, OK (U

Mar 23 [redacted]
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 03/23/2017 4:34PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Oklahoma City, OK (USA) (Will Rogers Apt 03/23/2017 5:32PM

Flight Information
Distance 175 miles
No Seat Assigned

Emissions 68.3 lbs of CO2

DFW-Dallas / Ft. Worth, to OKC-Oklahoma City, OK (U

Mar 23 [redacted]
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 03/23/2017 4:34PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Oklahoma City, OK (USA) (Will Rogers Apt 03/23/2017 5:32PM

Flight Information
Distance 175 miles
No Seat Assigned

Emissions 68.3 lbs of CO2

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 561.88 Total Per Diem Expenses: 53.50

Date	Description	Category	Cost	Pay Method	Per Diem
03/17/2017	Travel Fee	Com. Carrier	34.30	GOVCC	
Comment:	LB ATRS Domestic w-Air-Rail				

03/23/2017	Airline Flight	Com. Carrier	298.80	GOVCC	
03/23/2017	Airline Flight	Com. Carrier	150.80	GOVCC	
03/23/2017	TMC Fee	Com. Carrier	53.24	GOVCC	
03/23/2017	M&IE	Lodging & M&IE	15.25	PERSONAL	*
03/23/2017	Internet Connection Fees	Misc Expense	9.99	PERSONAL	
03/27/2017	M&IE	Lodging & M&IE	38.25	PERSONAL	*
04/27/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 53.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B	L	D	Conf%
03/23/2017	91.00/ 51.00	0.00	0.00	15.25	15.25			X	
03/24/2017	91.00/ 51.00	0.00	0.00	0.00	0.00				
03/25/2017	91.00/ 51.00	0.00	0.00	0.00	0.00				
03/26/2017	91.00/ 51.00	0.00	0.00	0.00	0.00				
03/27/2017	91.00/ 51.00	0.00	0.00	38.25	38.25				

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	GOVCC	551.89
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	PERSONAL	63.49

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	[redacted]	615.38

Totals by Payment Method

GOVCC Total	551.89
PERSONAL Total	63.49

Document History 06/13/2017 Vch: VCH136584

Copyright 1989-2009 Concur Government Edition: Concur Inc. PRUITT, EDWARD SCOTT. [redacted]

STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	04/27/2017	7:07AMEST	DAVIS, GWENDER G	
PREPARED	04/27/2017	7:26AMEST	DAVIS, GWENDER G	
PREPARED	05/01/2017	7:51AMEST	DAVIS, GWENDER G	
SIGNED	05/02/2017	7:33AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	05/08/2017	11:19AMEST	REEDER, JOHN EDWARD	
VOUCHER APPROVED	05/09/2017	11:10AMEST	TURNER, STEVE K	
PENDING	05/09/2017	11:10AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	05/09/2017	2:00PMEST	One, EAI User	
PENDING	05/09/2017	2:00PMEST	One, EAI User	
PAID	05/10/2017	4:00AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH137294
Travel Authorization Number:	TAA04C12	Trip Name:	Trip from Washington to Pittsburgh, PA to Tulsa, OK to Chicago, IL to Columbia, MO, back to Tulsa, OK then to Naples, FL and return.
TA Date:	05/02/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be traveling to Pittsburgh to participate in Tour of Harvey Mine, participate in press conference, and meet with the Mine leadership; then to Tulsa to conduct meetings in the state and to serve as a keynote speaker for ALEC event; then to Chicago to visit a Superfund site in East Chicago, IL; then to Columbia, MO to visit Thomas Hill Electric and to meet with the Governor; then to Tulsa to meet for meetings in the state; then to Dallas for Earth Day; then to Naples to serve as key
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	ID:	[redacted]
TID:	[redacted]	Organization:	EPAAO11IO
Title:		Duty Station:	
Security Cl:		Card:	ADVANCE AUTHORIZED
Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460	EMAIL:	[redacted]
Office Phone:	[redacted]	Cell Phone:	
Home Address:	[redacted] [redacted]	Home Phone:	
Alternate Address:		Alternate Phone:	

Document Information

Trip Number: 1 Selected Trip

Purpose: The Administrator will be traveling to Pittsburgh to participate in Tour of Harvey Mine, participate in press conference, and meet with the Mine leadership; then to Tulsa to conduct meetings in the state and to serve as a keynote speaker for ALEC event; then to Chicago to visit a Superfund site in East Chicago, IL; then to Columbia, MO to visit Thomas Hill Electric and to meet with the Governor; then to Tulsa to meet for meetings in the state; then to Dallas for Earth Day; then to Naples to serve as key

Itinerary Locations

Check In	Check Out	Location	Purpose	Rate
04/12/17	04/13/17	MANHATTAN, NY	2-INFORMATIONAL MEETING	267.00 / 74.00
04/13/17	04/19/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00
04/19/17	04/19/17	CHICAGO, IL	2-INFORMATIONAL MEETING	222.00 / 74.00
04/19/17	04/20/17	COLUMBIA, MO	2-INFORMATIONAL MEETING	91.00 / 51.00
04/20/17	04/22/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00
04/22/17	04/22/17	DALLAS, TX	2-INFORMATIONAL MEETING	146.00 / 64.00
04/22/17	04/24/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00
04/24/17	04/24/17	NAPLES, FL	2-INFORMATIONAL MEETING	268.00 / 64.00

Document Totals

Total Expenses:	4,182.23
Reimbursable Expenses:	4,182.23
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	523.95
Net to Government:	.00
Pay to Charge Card:	3,658.28

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,852.78	.00
Hotel Tax	96.10	.00
Lodging-PerDiem	554.10	.00
M&IE-PerDiem	664.50	.00

Transaction Fees	14.75	.00
Total Expenses:	4,182.23	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		2,922.42
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR	[redacted]	[redacted]		.00
LODGE	[redacted]	[redacted]	Columbia,MO	159.00

Trip Itinerary

From [redacted] Washington, DC (USA) (National Apt) TO: PIT-Pittsburgh, PA (USA) (Greater Pittsb

Air

Thursday April 13, 2017

[redacted] Washington, DC (USA) to PIT-Pittsburgh, PA (USA)

Apr 13 [redacted]
Washington, DC (USA) ([redacted] 04/13/2017 8:30AM
Confirmation Number: [redacted]

Duration: 1 Hour 14 Minutes Nonstop
Pittsburgh, PA (USA) (Greater Pittsburgh 04/13/2017 9:44AM

Flight Information
Distance 204 miles
No Seat Assigned

Emissions 79.6 lbs of CO2
Cost 2,922.42 USD

[redacted] Washington, DC (USA) to PIT-Pittsburgh, PA (USA)

Apr 13 [redacted]
Washington, DC (USA) [redacted] 04/13/2017 8:30AM
Confirmation Number: [redacted]

Duration: 1 Hour 14 Minutes Nonstop
Pittsburgh, PA (USA) (Greater Pittsburgh 04/13/2017 9:44AM

Flight Information
Distance 204 miles
No Seat Assigned

Emissions 79.6 lbs of CO2
Cost 2,922.42 USD

PIT-Pittsburgh, PA (USA) to DTW-Detroit, MI (USA) (M

Apr 13 [redacted]
Pittsburgh, PA (USA) (Greater Pittsburgh 04/13/2017 5:58PM
Confirmation Number: [redacted]

Duration: 1 Hour 19 Minutes Nonstop
Detroit, MI (USA) (Metropolitan Apt) 04/13/2017 7:17PM

Flight Information
Distance 200 miles
No Seat Assigned

Emissions 78.0 lbs of CO2

PIT-Pittsburgh, PA (USA) to DTW-Detroit, MI (USA) (M

Apr 13 [redacted]
Pittsburgh, PA (USA) (Greater Pittsburgh 04/13/2017 5:58PM
Confirmation Number: [redacted]

Duration: 1 Hour 19 Minutes Nonstop
Detroit, MI (USA) (Metropolitan Apt) 04/13/2017 7:17PM

Flight Information
Distance 200 miles
No Seat Assigned

Emissions 78.0 lbs of CO2

DTW-Detroit, MI (USA) (M to TUL-Tulsa, OK (USA) (Int

Apr 13 [redacted]
Detroit, MI (USA) (Metropolitan Apt) 04/13/2017 8:22PM
Confirmation Number: [redacted]

Duration: 2 Hours 34 Minutes Nonstop
Tulsa, OK (USA) (IntL. Apt) 04/13/2017 9:56PM

Flight Information
Distance 787 miles
No Seat Assigned

Emissions 306.9 lbs of CO2

DTW-Detroit, MI (USA) (M to TUL-Tulsa, OK (USA) (Int

Apr 13 [redacted]

Duration: 2 Hours 34 Minutes Nonstop

Detroit, MI (USA) (Metropolitan Apt) 04/13/2017 8:22PM
Confirmation Number: [redacted]

Tulsa, OK (USA) (IntL. Apt) 04/13/2017 9:56PM

Flight Information
Distance 787 miles
No Seat Assigned

Emissions 306.9 lbs of CO2

Wednesday April 19, 2017

TUL-Tulsa, OK (USA) (Int to ORD-Chicago, IL (USA) (O

Apr 19 [redacted]

Duration: 2 Hours 3 Minutes Nonstop

Tulsa, OK (USA) (IntL. Apt) 04/19/2017 8:50AM
Confirmation Number: [redacted]

Chicago, IL (USA) (OHare Apt) 04/19/2017 10:53AM

Flight Information
Distance 584 miles
No Seat Assigned

Emissions 227.8 lbs of CO2

TUL-Tulsa, OK (USA) (Int to ORD-Chicago, IL (USA) (O

Apr 19 [redacted]

Duration: 2 Hours 3 Minutes Nonstop

Tulsa, OK (USA) (IntL. Apt) 04/19/2017 8:50AM
Confirmation Number: [redacted]

Chicago, IL (USA) (OHare Apt) 04/19/2017 10:53AM

Flight Information
Distance 584 miles
No Seat Assigned

Emissions 227.8 lbs of CO2

ORD-Chicago, IL (USA) (O to COU-Columbia, MO (USA)

Apr 19 [redacted]

Duration: 1 Hour 15 Minutes Nonstop

Chicago, IL (USA) (OHare Apt) 04/19/2017 8:30PM
Confirmation Number: [redacted]

Columbia, MO (USA) 04/19/2017 9:45PM

Flight Information
Distance 315 miles
No Seat Assigned

Emissions 122.8 lbs of CO2

ORD-Chicago, IL (USA) (O to COU-Columbia, MO (USA)

Apr 19 [redacted]

Duration: 1 Hour 15 Minutes Nonstop

Chicago, IL (USA) (OHare Apt) 04/19/2017 8:30PM
Confirmation Number: [redacted]

Columbia, MO (USA) 04/19/2017 9:45PM

Flight Information
Distance 315 miles
No Seat Assigned

Emissions 122.8 lbs of CO2

Hotel

Doubletree

1111 E Broadway Columbia MO 65201 [redacted]

Apr 19 Checking in: 04/19/2017

Checking out: 04/20/2017
Total Rate: 159.00 USD

Doubletree

1111 E Broadway Columbia MO 65201 [redacted]

Apr 19 Checking in: 04/19/2017

Checking out: 04/20/2017
Total Rate: 159.00 USD

Air

Thursday April 20, 2017

COU-Columbia, MO (USA) to DFW-Dallas / Ft. Worth,

Apr 20 [redacted]

Duration: 1 Hour 47 Minutes Nonstop

Columbia, MO (USA) 04/20/2017 2:30PM
Confirmation Number: [redacted]

Dallas / Ft. Worth, TX (USA) (IntL. Apt) 04/20/2017 4:17PM

Flight Information
Distance 489 miles
No Seat Assigned

Emissions 190.7 lbs of CO2

COU-Columbia, MO (USA) to DFW-Dallas / Ft. Worth,

Apr 20 American Airlines 3742 Duration: 1 Hour 47 Minutes Nonstop
Columbia, MO (USA) 04/20/2017 2:30PM Dallas / Ft. Worth, TX (USA) (IntL. Apt) 04/20/2017 4:17PM
Confirmation Number: [redacted]

Flight Information
Distance 489 miles Emissions 190.7 lbs of CO2
No Seat Assigned

DFW-Dallas / Ft. Worth, to TUL-Tulsa, OK (USA) (Int

Apr 20 [redacted] Duration: 1 Hour 7 Minutes Nonstop
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 04/20/2017 6:55PM Tulsa, OK (USA) (IntL. Apt) 04/20/2017 8:02PM
Confirmation Number: [redacted]

Flight Information
Distance 237 miles Emissions 92.4 lbs of CO2
No Seat Assigned

DFW-Dallas / Ft. Worth, to TUL-Tulsa, OK (USA) (Int

Apr 20 [redacted] Duration: 1 Hour 7 Minutes Nonstop
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 04/20/2017 6:55PM Tulsa, OK (USA) (IntL. Apt) 04/20/2017 8:02PM
Confirmation Number: [redacted]

Flight Information
Distance 237 miles Emissions 92.4 lbs of CO2
No Seat Assigned

Saturday April 22, 2017

TUL-Tulsa, OK (USA) (Int to DFW-Dallas / Ft. Worth,

Apr 22 [redacted] Duration: 1 Hour 26 Minutes Nonstop
Tulsa, OK (USA) (IntL. Apt) 04/22/2017 8:09AM Dallas / Ft. Worth, TX (USA) (IntL. Apt) 04/22/2017 9:35AM
Confirmation Number: [redacted]

Flight Information
Distance 237 miles Emissions 92.4 lbs of CO2
No Seat Assigned

TUL-Tulsa, OK (USA) (Int to DFW-Dallas / Ft. Worth,

Apr 22 [redacted] Duration: 1 Hour 26 Minutes Nonstop
Tulsa, OK (USA) (IntL. Apt) 04/22/2017 8:09AM Dallas / Ft. Worth, TX (USA) (IntL. Apt) 04/22/2017 9:35AM
Confirmation Number: [redacted]

Flight Information
Distance 237 miles Emissions 92.4 lbs of CO2
No Seat Assigned

DFW-Dallas / Ft. Worth, to TUL-Tulsa, OK (USA) (Int

Apr 22 [redacted] Duration: 1 Hour 7 Minutes Nonstop
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 04/22/2017 6:55PM Tulsa, OK (USA) (IntL. Apt) 04/22/2017 8:02PM
Confirmation Number: [redacted]

Flight Information
Distance 237 miles Emissions 92.4 lbs of CO2
No Seat Assigned

DFW-Dallas / Ft. Worth, to TUL-Tulsa, OK (USA) (Int

Apr 22 [redacted] Duration: 1 Hour 7 Minutes Nonstop
Dallas / Ft. Worth, TX (USA) (IntL. Apt) 04/22/2017 6:55PM Tulsa, OK (USA) (IntL. Apt) 04/22/2017 8:02PM
Confirmation Number: [redacted]

Flight Information
Distance 237 miles Emissions 92.4 lbs of CO2
No Seat Assigned

Monday April 24, 2017

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Apr 24 [redacted] Duration: 1 Hour 56 Minutes Nonstop
Tulsa, OK (USA) (IntL. Apt) 04/24/2017 6:00AM Atlanta, GA (USA) (Hartsfield IntL. Apt) 04/24/2017 8:56AM
Confirmation Number: [redacted]

Flight Information
Distance 671 miles Emissions 261.7 lbs of CO2
No Seat Assigned

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Apr 24 [redacted] Duration: 1 Hour 56 Minutes Nonstop

Tulsa, OK (USA) (IntL. Apt) 04/24/2017 6:00AM — Atlanta, GA (USA) (Hartsfield IntL. Apt) 04/24/2017 8:56AM
Confirmation Number: [redacted]

Flight Information
Distance 671 miles — Emissions 261.7 lbs of CO2
No Seat Assigned

ATL-Atlanta, GA (USA) (H to RSW-Fort Myers, FL (USA)

Apr 24 [redacted] — Duration: 1 Hour 42 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 04/24/2017 10:53AM — Fort Myers, FL (USA) (S.W. Fl Regional A 04/24/2017 12:35PM
Confirmation Number: [redacted]

Flight Information
Distance 516 miles — Emissions 201.2 lbs of CO2
No Seat Assigned

ATL-Atlanta, GA (USA) (H to RSW-Fort Myers, FL (USA)

Apr 24 [redacted] — Duration: 1 Hour 42 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 04/24/2017 10:53AM — Fort Myers, FL (USA) (S.W. Fl Regional A 04/24/2017 12:35PM
Confirmation Number: [redacted]

Flight Information
Distance 516 miles — Emissions 201.2 lbs of CO2
No Seat Assigned

RSW-Fort Myers, FL (USA) to [redacted] Washington, DC (USA)

Apr 24 [redacted] (7) — Duration: 2 Hours 26 Minutes Nonstop
Fort Myers, FL (USA) (S.W. Fl Regional A 04/24/2017 5:03PM — Washington, DC (USA) [redacted] 04/24/2017 7:29PM
Confirmation Number: [redacted]

Flight Information
Distance 893 miles — Emissions 348.3 lbs of CO2
No Seat Assigned

RSW-Fort Myers, FL (USA) to [redacted] Washington, DC (USA)

Apr 24 [redacted] — Duration: 2 Hours 26 Minutes Nonstop
Fort Myers, FL (USA) (S.W. Fl Regional A 04/24/2017 5:03PM — Washington, DC (USA) [redacted] 04/24/2017 7:29PM
Confirmation Number: [redacted]

Flight Information
Distance 893 miles — Emissions 348.3 lbs of CO2
No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 2,963.63 — Total Per Diem Expenses: 1,218.60

Date	Description	Category	Cost	Pay Method	Per Diem
04/10/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment: LB VIP Services					
04/11/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment: LB VIP Services					
04/11/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment: LB VIP Services					
04/11/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment: LB VIP Services					
04/11/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment: LB VIP Services					
04/12/2017	Hotel Tax (CONUS Only)	Hotel Tax	74.67	GOVCC	
04/12/2017	Lodging	Lodging-PerDiem	395.10	GOVCC	*
04/12/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
04/13/2017	Airline Flight	Com. Carrier	2,480.10	GOVCC	
04/13/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/14/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/15/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/16/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/17/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/18/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/19/2017	Hotel Tax (CONUS Only)	Hotel Tax	21.43	GOVCC	
04/19/2017	Lodging	Lodging-PerDiem	159.00	GOVCC	*
Comment: Conf Num: [redacted] Cmt: 24 HR CANCEL REQUIRED					
04/19/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/20/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/21/2017	TMC Fee	Com. Carrier	53.24	GOVCC	
04/21/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*

04/22/2017 M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/23/2017 M&IE	M&IE-PerDiem	51.00	PERSONAL	*
04/24/2017 Travel Fee	Com. Carrier	53.24	GOVCC	
Comment: LB VIP Services				
04/24/2017 M&IE	M&IE-PerDiem	48.00	PERSONAL	*
05/02/2017 TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 1,218.60

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
04/12/2017	267.00/ 74.00	395.10	395.10	55.50	55.50	
04/13/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/14/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/15/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/16/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/17/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/18/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/19/2017	91.00/ 51.00	159.00	159.00	51.00	51.00	
04/20/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/21/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/22/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/23/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
04/24/2017	268.00/ 64.00	0.00	0.00	48.00	48.00	
04/25/2017	268.00/ 64.00	0.00	0.00	0.00	0.00	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	GOVCC	3,517.73
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	PERSONAL	664.50

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	[redacted]	4,182.23

Totals by Payment Method

GOVCC Total	3,517.73
PERSONAL Total	664.50

Document History 06/13/2017 Vch: VCH137294

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	05/02/2017	6:43AMEST	DAVIS, GWENDER G	
PREPARED	05/02/2017	7:23AMEST	DAVIS, GWENDER G	
SIGNED	05/02/2017	7:31AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	05/08/2017	11:18AMEST	REEDER, JOHN EDWARD	
ADJUSTED	05/11/2017	3:40AMEST	MARTINI, SARAH J	
VOUCHER APPROVED	05/11/2017	3:44AMEST	MARTINI, SARAH J	
PENDING	05/11/2017	3:44AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	05/11/2017	5:05AMEST	One, EAI User	
PENDING	05/11/2017	5:05AMEST	One, EAI User	
PAID	05/11/2017	8:00AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH139332
Travel Authorization Number:	TAA04G4G	Trip Name:	Trip from Washington to Colorado Springs, CO to Tulsa, OK and return.
TA Date:	05/16/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be traveling to Colorado Springs on May 11th to serve as the keynote speaker for the Heritage Foundation's Resource bank meeting. The Administrator will be traveling to Tulsa, OK on his own and returning back to official business on 5/15 no extra cost to EPA. No lodging cost or per diem while in Tulsa, OK. Please note: the Heritage Foundation will be paying for the Administrator's lodging for this trip. An ethics form is prepared.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUTTT, EDWARD SCOTT	ID:	[redacted]
TID:	[redacted]	Organization:	EPAAO11IO
Title:		Duty Station:	
Security Cl:		Card:	ADVANCE AUTHORIZED
Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460	EMAIL:	[redacted]
Office Phone:	[redacted]	Cell Phone:	
Home Address:	[redacted] [redacted]	Home Phone:	
Alternate Address:		Alternate Phone:	

Document Information

Trip Number: 1 Selected Trip

Purpose: The Administrator will be traveling to Colorado Springs on May 11th to serve as the keynote speaker for the Heritage Foundation's Resource bank meeting. The Administrator will be traveling to Tulsa, OK on his own and returning back to official business on 5/15 no extra cost to EPA. No lodging cost or per diem while in Tulsa, OK. Please note: the Heritage Foundation will be paying for the Administrator's lodging for this trip. An ethics form is prepared.

Itinerary Locations

Check In	Check Out	Location	Purpose	Rate
05/11/17	05/12/17	COLORADO SPRINGS, CO	2-INFORMATIONAL MEETING	97.00 / 59.00
05/12/17	05/15/17	TULSA, OK		91.00 / 51.00

Document Totals

Total Expenses:	3,051.81
Reimbursable Expenses:	3,051.81
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	29.85
Net to Government:	.00
Pay to Charge Card:	3,021.96

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,903.56	.00
M&IE-PerDiem	133.50	.00
Transaction Fees	14.75	.00
Total Expenses:	3,051.81	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	Delta	[redacted]		.00
COMM-CARR	Delta	[redacted]		2,690.60
COMM-CARR	Delta	[redacted]		.00
COMM-CARR	Delta	[redacted]		.00

Trip Itinerary

From: [redacted] Washington, DC (USA) [redacted] TO: MSP-Minneapolis / St. Paul, MN (USA)

Air

Thursday May 11, 2017

[redacted] Washington, DC (USA) to MSP-Minneapolis / St. Pa

May 11 [redacted]
Washington, DC (USA) [redacted] 05/11/2017 11:45AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 1:32PM

Flight Information
Distance 928 miles
No Seat Assigned

Emissions 361.9 lbs of CO2
Cost 2,690.60 USD

[redacted] -Washington, DC (USA) to MSP-Minneapolis / St. Pa

May 11 [redacted]
Washington, DC (USA) [redacted] 05/11/2017 11:45AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 1:32PM

Flight Information
Distance 928 miles
No Seat Assigned

Emissions 361.9 lbs of CO2
Cost 2,690.60 USD

[redacted] -Washington, DC (USA) to MSP-Minneapolis / St. Pa

May 11 [redacted]
Washington, DC (USA) [redacted] 05/11/2017 11:45AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 1:32PM

Flight Information
Distance 928 miles
No Seat Assigned

Emissions 361.9 lbs of CO2
Cost 2,690.60 USD

[redacted] -Washington, DC (USA) to MSP-Minneapolis / St. Pa

May 11 [redacted]
Washington, DC (USA) [redacted] 05/11/2017 11:45AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 1:32PM

Flight Information
Distance 928 miles
No Seat Assigned

Emissions 361.9 lbs of CO2
Cost 2,690.60 USD

[redacted] Washington, DC (USA) to MSP-Minneapolis / St. Pa

May 11 [redacted]
Washington, DC (USA) [redacted] 05/11/2017 11:45AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 1:32PM

Flight Information
Distance 928 miles
No Seat Assigned

Emissions 361.9 lbs of CO2
Cost 2,690.60 USD

[redacted] Washington, DC (USA) to MSP-Minneapolis / St. Pa

May 11 [redacted]
Washington, DC (USA) [redacted] 05/11/2017 11:45AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 1:32PM

Flight Information
Distance 928 miles
No Seat Assigned

Emissions 361.9 lbs of CO2
Cost 2,690.60 USD

[redacted] Washington, DC (USA) to MSP-Minneapolis / St. Pa

May 11 [redacted]
Washington, DC (USA) [redacted] 05/11/2017 11:45AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 1:32PM

Flight Information
Distance 928 miles
No Seat Assigned

Emissions 361.9 lbs of CO2
Cost 2,690.60 USD

MSP-Minneapolis / St. Pa to DEN-Denver, CO (USA) (De

May 11 [redacted]
Minneapolis / St. Paul, MN (USA) 05/11/2017 2:37PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Denver, CO (USA) [redacted] 05/11/2017 [redacted]

Flight Information
Distance 678 miles
No Seat Assigned
Emissions 264.4 lbs of CO2

MSP-Minneapolis / St. Pa to DEN-Denver, CO (USA) (De
May 11 [redacted]
Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 2:37PM
Denver, CO (USA) (Denver IntL. Apt) 05/11/2017 3:49PM
Confirmation Number: [redacted]

Flight Information
Distance 678 miles
No Seat Assigned
Emissions 264.4 lbs of CO2

MSP-Minneapolis / St. Pa to DEN-Denver, CO (USA) (De
May 11 [redacted]
Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 2:37PM
Denver, CO (USA) (Denver IntL. Apt) 05/11/2017 3:49PM
Confirmation Number: [redacted]

Flight Information
Distance 678 miles
No Seat Assigned
Emissions 264.4 lbs of CO2

MSP-Minneapolis / St. Pa to DEN-Denver, CO (USA) (De
May 11 [redacted]
Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 2:37PM
Denver, CO (USA) (Denver IntL. Apt) 05/11/2017 3:49PM
Confirmation Number: [redacted]

Flight Information
Distance 678 miles
No Seat Assigned
Emissions 264.4 lbs of CO2

MSP-Minneapolis / St. Pa to DEN-Denver, CO (USA) (De
May 11 [redacted]
Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 2:37PM
Denver, CO (USA) (Denver IntL. Apt) 05/11/2017 3:49PM
Confirmation Number: [redacted]

Flight Information
Distance 678 miles
No Seat Assigned
Emissions 264.4 lbs of CO2

MSP-Minneapolis / St. Pa to DEN-Denver, CO (USA) (De
May 11 [redacted]
Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/11/2017 2:37PM
Denver, CO (USA) (Denver IntL. Apt) 05/11/2017 3:49PM
Confirmation Number: [redacted]

Flight Information
Distance 678 miles
No Seat Assigned
Emissions 264.4 lbs of CO2

Monday May 15, 2017

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M
May 15 [redacted]
Duration: Unknown Nonstop
Tulsa, OK (USA) (IntL. Apt) 05/15/2017 6:00AM
Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 9:16AM
Confirmation Number: [redacted]

Flight Information
Distance 788 miles
No Seat Assigned
Emissions 307.3 lbs of CO2

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M
May 15 [redacted]
Duration: Unknown Nonstop
Tulsa, OK (USA) (IntL. Apt) 05/15/2017 6:00AM
Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 9:16AM
Confirmation Number: [redacted]

Flight Information
Distance 788 miles
No Seat Assigned
Emissions 307.3 lbs of CO2

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M
May 15 [redacted]
Duration: Unknown Nonstop
Tulsa, OK (USA) (IntL. Apt) 05/15/2017 6:00AM
Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 9:16AM
Confirmation Number: [redacted]

Flight Information
Distance 788 miles
No Seat Assigned
Emissions 307.3 lbs of CO2

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M

May 15 [redacted]

Tulsa, OK (USA) (IntL. Apt) 05/15/2017 6:00AM — Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 9:16AM

Confirmation Number: [redacted]

Flight Information

Distance 788 miles — Emissions 307.3 lbs of CO2

No Seat Assigned

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M

May 15 [redacted]

Tulsa, OK (USA) (IntL. Apt) 05/15/2017 6:00AM — Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 9:16AM

Confirmation Number: [redacted]

Flight Information

Distance 788 miles — Emissions 307.3 lbs of CO2

No Seat Assigned

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M

May 15 [redacted]

Tulsa, OK (USA) (IntL. Apt) 05/15/2017 6:00AM — Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 9:16AM

Confirmation Number: [redacted]

Flight Information

Distance 788 miles — Emissions 307.3 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M t[redacted] Washington, DC (USA)

May 15 [redacted]

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 10:32AM — Duration: Unknown Nonstop

Washington, DC (USA) [redacted] 05/15/2017 12:00PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to [redacted] Washington, DC (USA)

May 15 [redacted]

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 10:32AM — Duration: Unknown Nonstop

Washington, DC (USA) [redacted] 05/15/2017 12:00PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to [redacted] Washington, DC (USA)

May 15 [redacted]

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 10:32AM — Duration: Unknown Nonstop

Washington, DC (USA) [redacted] 05/15/2017 12:00PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to [redacted] Washington, DC (USA)

May 15 [redacted]

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 10:32AM — Duration: Unknown Nonstop

Washington, DC (USA) ([redacted]) 05/15/2017 12:00PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to [redacted] Washington, DC (USA)

May 15 [redacted]

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 10:32AM — Duration: Unknown Nonstop

Washington, DC (USA) ([redacted]) 05/15/2017 12:00PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to [redacted] Washington, DC (USA)

May 15 [redacted]

Detroit, MI (USA) (Metropolitan Apt) 05/15/2017 10:32AM — Duration: Unknown Nonstop

Washington, DC (USA) [redacted] 05/15/2017 12:00PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned

Flight Information
Distance 404 miles
No Seat Assigned

Emissions 157.6 lbs of CO2

Expenses

Trip#: 1 | Total Non-Per Diem Expenses: 2,918.31 | Total Per Diem Expenses: 133.50

Date	Description	Category	Cost	Pay Method	Per Diem
05/08/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
05/08/2017	TMC Fee	Com. Carrier	53.24	GOVCC	
05/09/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
05/10/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
05/11/2017	Airline Flight	Com. Carrier	2,690.60	GOVCC	
05/11/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
05/12/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
05/15/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
05/16/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 | Total Per Diem Allowances: 133.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
05/11/2017	97.00/ 59.00	0.00	0.00	44.25	44.25	
05/12/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
05/13/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
05/14/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
05/15/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	GOVCC	2,918.31
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	PERSONAL	133.50

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	[redacted]	3,051.81

Totals by Payment Method

GOVCC Total	2,918.31
PERSONAL Total	133.50

Document History 06/13/2017 Vch: VCH139332

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	05/16/2017	12:48PMEST	DAVIS, GWENDER G	
PREPARED	05/16/2017	1:21PMEST	DAVIS, GWENDER G	
SIGNED	05/16/2017	1:53PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	05/17/2017	1:49PMEST	REEDER, JOHN EDWARD	
VOUCHER APPROVED	05/18/2017	7:03AMEST	TURNER, STEVE K	
PENDING	05/18/2017	7:03AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	05/18/2017	10:00AMEST	One, EAI User	
PENDING	05/18/2017	10:00AMEST	One, EAI User	
PAID	05/18/2017	1:00PMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH139796
Travel Authorization Number:	TAA04FK3	Trip Name:	Trip from Washington to Tulsa, OK and return.
TA Date:	05/19/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator is meeting with the CEO of National Rural Water in Tulsa on Friday (May 5th) morning. This traveler will then spend the weekend in Tulsa and return on Monday no cost for hotel while there. No perdiem on Saturday and sunday.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	ID:	[redacted]
TID:	[redacted]	Organization:	EPAAO11IO
Title:		Duty Station:	
Security Cl:		Card:	ADVANCE AUTHORIZED
Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460	EMAIL:	[redacted]
Office Phone:	[redacted]	Cell Phone:	
Home Address:	[redacted] [redacted]	Home Phone:	
Alternate Address:		Alternate Phone:	

Document Information

Trip Number: 1 Selected Trip

Purpose: The Administrator is meeting with the CEO of National Rural Water in Tulsa on Friday (May 5th) morning. This traveler will then spend the weekend in Tulsa and return on Monday no cost for hotel while there. No perdiem on Saturday and sunday.

Itinerary Locations

Check In	Check Out	Location	Purpose	Rate
05/04/17	05/08/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00

Document Totals

Total Expenses:	1,043.09
Reimbursable Expenses:	1,043.09
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	107.75
Net to Government:	.00
Pay to Charge Card:	935.34

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	900.84	.00
M&IE-PerDiem	127.50	.00
Transaction Fees	14.75	.00
Total Expenses:	1,043.09	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		458.60
COMM-CARR	[redacted]	[redacted]		.00

COMM-CARR	[redacted]	[redacted]	.00
COMM-CARR	[redacted]	[redacted]	.00

Trip Itinerary No Itinerary Available

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 915.59 Total Per Diem Expenses: 127.50

Date	Description	Category	Cost	Pay Method	Per Diem
05/01/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
05/04/2017	Airline Flight	Com. Carrier	847.60	GOVCC	
05/04/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
05/05/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
05/08/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
05/19/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 127.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
05/04/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	
05/05/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
05/06/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
05/07/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
05/08/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	GOVCC	915.59
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	PERSONAL	127.50

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	[redacted]	1,043.09

Totals by Payment Method

GOVCC Total	915.59
PERSONAL Total	127.50

Document History 06/13/2017 Vch: VCH139796

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	05/19/2017	7:43AMEST	DAVIS, GWENDER G	
PREPARED	05/19/2017	7:54AMEST	DAVIS, GWENDER G	
SIGNED	05/22/2017	9:55AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	05/22/2017	2:12PMEST	REEDER, JOHN EDWARD	
ADJUSTED	05/23/2017	10:07AMEST	LEBLOND, CHARLES	
VOUCHER APPROVED	05/23/2017	10:07AMEST	LEBLOND, CHARLES	
PENDING	05/23/2017	10:07AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	05/23/2017	1:00PMEST	One, EAI User	
PENDING	05/23/2017	1:00PMEST	One, EAI User	
PAID	05/23/2017	3:08PMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name:

Traveler/Preparer Signature: _____

Date:

Approver Name: _____

Approver Signature:

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH140330
Travel Authorization Number:	TAA04HYG	Trip Name:	Trip from Washington to Tulsa, OK and return.
TA Date:	05/23/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be traveling to Tulsa, OK to tour the Brainerd Chemical Company.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	ID:	[redacted]
TID:	[redacted]	Organization:	EPAAO11IO
Title:		Duty Station:	
Security Cl:		Card:	ADVANCE AUTHORIZED
Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460	EMAIL:	[redacted]
Office Phone:	[redacted]	Cell Phone:	
Home Address:	[redacted] [redacted]	Home Phone:	
Alternate Address:		Alternate Phone:	

Document Information

Trip Number: 1 Selected Trip

Purpose: The Administrator will be traveling to Tulsa, OK to tour the Brainerd Chemical Company.

Itinerary Locations

Check In	Check Out	Location	Purpose	Rate
05/19/17	05/22/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00

Document Totals

Total Expenses:	2,122.59
Reimbursable Expenses:	2,122.59
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	119.50
Net to Government:	.00
Pay to Charge Card:	2,003.09

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	1,980.34	.00
M&IE-PerDiem	127.50	.00
Transaction Fees	14.75	.00
Total Expenses:	2,122.59	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		1,927.10
COMM-CARR		[redacted]		.00
COMM-CARR		[redacted]		.00
COMM-CARR		[redacted]		.00

Trip Itinerary

From: [redacted]-Washington, DC (USA) ([redacted]) TO: DTW-Detroit, MI (USA) (Metropolitan Apt)

Air

Friday May 19, 2017

[redacted]-Washington, DC (USA) to DTW-Detroit, MI (USA) (M

May 19 [redacted] — Duration: Unknown Nonstop

Washington, DC (USA) ([redacted]) 05/19/2017 5:37PM — Detroit, MI (USA) (Metropolitan Apt) 05/19/2017 7:25PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned — Cost 1,927.10 USD

[redacted]-Washington, DC (USA) to DTW-Detroit, MI (USA) (M

May 19 Delta 1644 — Duration: Unknown Nonstop

Washington, DC (USA) ([redacted]) 05/19/2017 5:37PM — Detroit, MI (USA) (Metropolitan Apt) 05/19/2017 7:25PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned — Cost 1,927.10 USD

DTW-Detroit, MI (USA) (M to TUL-Tulsa, OK (USA) (Int

May 19 [redacted] — Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 05/19/2017 8:25PM — Tulsa, OK (USA) (IntL. Apt) 05/19/2017 9:52PM

Confirmation Number: [redacted]

Flight Information

Distance 788 miles — Emissions 307.3 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to TUL-Tulsa, OK (USA) (Int

May 19 [redacted] — Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 05/19/2017 8:25PM — Tulsa, OK (USA) (IntL. Apt) 05/19/2017 9:52PM

Confirmation Number: [redacted]

Flight Information

Distance 788 miles — Emissions 307.3 lbs of CO2

No Seat Assigned

Monday May 22, 2017

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M

May 22 [redacted] — Duration: Unknown Nonstop

Tulsa, OK (USA) (IntL. Apt) 05/22/2017 6:00AM — Detroit, MI (USA) (Metropolitan Apt) 05/22/2017 9:16AM

Confirmation Number: [redacted]

Flight Information

Distance 788 miles — Emissions 307.3 lbs of CO2

No Seat Assigned

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M

May 22 [redacted] — Duration: Unknown Nonstop

Tulsa, OK (USA) (IntL. Apt) 05/22/2017 6:00AM — Detroit, MI (USA) (Metropolitan Apt) 05/22/2017 9:16AM

Confirmation Number: [redacted]

Flight Information

Distance 788 miles — Emissions 307.3 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M to [redacted]-Washington, DC (USA)

May 22 [redacted] — Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 05/22/2017 10:32AM — Washington, DC (USA) ([redacted]) 05/22/2017 12:00PM

Confirmation Number: [redacted]

Flight Information

Distance 404 miles — Emissions 157.6 lbs of CO2

No Seat Assigned

DTW-Detroit, MI (USA) (M t[redacted]-Washington, DC (USA)

May 22 [redacted] — Duration: Unknown Nonstop

Detroit, MI (USA) (Metropolitan Apt) 05/22/2017 10:32AM — Washington, DC (USA) ([redacted]) 05/22/2017 12:00PM

Confirmation Number: [redacted]

Flight Information
Distance 404 miles
No Seat Assigned

Emissions 157.6 lbs of CO2

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 1,995.09 Total Per Diem Expenses: 127.50

Date	Description	Category	Cost	Pay Method	Per Diem
05/16/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
05/19/2017	Airline Flight	Com. Carrier	1,927.10	GOVCC	
05/19/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
05/20/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
05/22/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
05/23/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 127.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
05/19/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	
05/20/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
05/21/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
05/22/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	GOVCC	1,995.09
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	PERSONAL	127.50

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	[redacted]	2,122.59

Totals by Payment Method

GOVCC Total	1,995.09
PERSONAL Total	127.50

Document History 06/13/2017 Vch: VCH140330

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	05/23/2017	11:07AMEST	DAVIS, GWENDER G	
PREPARED	05/23/2017	11:17AMEST	DAVIS, GWENDER G	
SIGNED	05/23/2017	11:24AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	05/24/2017	7:00AMEST	REEDER, JOHN EDWARD	
ADJUSTED	06/05/2017	6:24AMEST	SULLENDER, KATHRYN A	
VOUCHER APPROVED	06/05/2017	6:36AMEST	SULLENDER, KATHRYN A	
PENDING	06/05/2017	6:36AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	06/05/2017	8:06AMEST	One, EAI User	
PENDING	06/05/2017	8:06AMEST	One, EAI User	
PAID	06/05/2017	11:00AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name:
Traveler/Preparer Signature:
Date:
Approver Name:
Approver Signature:

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH141806
Travel Authorization Number:	TAA04I8J	Trip Name:	Trip from Washington to (Minneapolis)Tulsa, Ok and return.
TA Date:	06/02/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The trip to Tulsa will be to do a tour of the Bird Creek contamination site in Osage County. Please note: this trip was grounded on the way to Tulsa in Minneapolis due to weather and then continued the next day.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	ID:	[redacted]
TID:	[redacted]	Organization:	EPAAO11IO
Title:		Duty Station:	
Security Cl:		Card:	ADVANCE AUTHORIZED
Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460	EMAIL:	[redacted]
Office Phone:	[redacted]	Cell Phone:	
Home Address:	[redacted] [redacted]	Home Phone:	
Alternate Address:		Alternate Phone:	

Document Information

Trip Number: 1 Selected Trip

Purpose: The trip to Tulsa will be to do a tour of the Bird Creek contamination site in Osage County. Please note: this trip was grounded on the way to Tulsa in Minneapolis due to weather and then continued the next day.

Itinerary Locations

Check In	Check Out	Location	Purpose	Rate
05/25/17	05/26/17	MINNEAPOLIS, MN	2-INFORMATIONAL MEETING	145.00 / 64.00
05/26/17	05/29/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00

Document Totals

Total Expenses:	2,996.72
Reimbursable Expenses:	2,996.72
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	94.96
Net to Government:	.00
Pay to Charge Card:	2,901.76

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,680.84	.00
Hotel Tax	18.88	.00
Lodging-PerDiem	145.00	.00
M&IE-PerDiem	137.25	.00
Transaction Fees	14.75	.00
Total Expenses:	2,996.72	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		2,627.60
COMM-CARR		[redacted]		.00
COMM-CARR		[redacted]		.00
COMM-CARR		[redacted]		.00
COMM-CARR		[redacted]		.00
COMM-CARR		[redacted]		.00

Trip Itinerary

From [redacted] Washington, DC (USA) ([redacted]) TO: MSP-Minneapolis / St. Paul, MN (USA)

Air

Thursday May 25, 2017

[redacted] Washington, DC (USA) to MSP-Minneapolis / St. Pa

May 25 [redacted]
Washington, DC (USA) ([redacted]) 05/25/2017 5:17PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 05/25/2017 7:15PM

Flight Information
Distance 928 miles
No Seat Assigned

Emissions 361.9 lbs of CO2
Cost 2,627.60 USD

MSP-Minneapolis / St. Pa to TUL-Tulsa, OK (USA) (Int

May 25 [redacted]
Minneapolis / St. Paul, MN (USA) 05/25/2017 8:05PM
Confirmation Number: [redacted]

Duration: 2 Hours 16 Minutes Nonstop
Tulsa, OK (USA) (IntL. Apt) 05/25/2017 10:21PM

Flight Information
Distance 616 miles
No Seat Assigned

Emissions 240.2 lbs of CO2

Friday May 26, 2017

MSP-Minneapolis / St. Pa to ATL-Atlanta, GA (USA) (H

May 26 [redacted]
Minneapolis / St. Paul, MN (USA) 05/26/2017 6:25AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 05/26/2017 9:50AM

Flight Information
Distance 906 miles
No Seat Assigned

Emissions 353.3 lbs of CO2

ATL-Atlanta, GA (USA) (H to TUL-Tulsa, OK (USA) (Int

May 26 [redacted]
Atlanta, GA (USA) (Hartsfield IntL. Apt) 05/26/2017 10:54AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Tulsa, OK (USA) (IntL. Apt) 05/26/2017 11:57AM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

Monday May 29, 2017

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

May 29 [redacted]
Tulsa, OK (USA) (IntL. Apt) 05/29/2017 12:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 05/29/2017 3:38PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

ATL-Atlanta, GA (USA) (H to [redacted]-Washington, DC (USA)

May 29 [redacted]
Atlanta, GA (USA) (Hartsfield IntL. Apt) 05/29/2017 4:42PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) (National Apt) 05/29/2017 6:30PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1 | Total Non-Per Diem Expenses: 2,714.47 | Total Per Diem Expenses: 282.25

Date	Description	Category	Cost	Pay Method	Per Diem
05/23/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
05/25/2017	Airline Flight	Com. Carrier	2,627.60	GOVCC	
05/25/2017	Hotel Tax (CONUS Only)	Hotel Tax	18.88	GOVCC	
05/25/2017	Lodging	Lodging-PerDiem	145.00	GOVCC	*
05/25/2017	M&IE	M&IE-PerDiem	48.00	PERSONAL	*
05/26/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
05/29/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
06/02/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 282.25

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
05/25/2017	145.00/ 64.00	145.00	145.00	48.00	48.00	
05/26/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
05/27/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
05/28/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
05/29/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	GOVCC	2,859.47
EPAAO11IO	17 OA IO ACCOUNT	[redacted]	PERSONAL	137.25

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	[redacted]	2,996.72

Totals by Payment Method

GOVCC Total	2,859.47
PERSONAL Total	137.25

Document History 06/13/2017 Vch: VCH141806

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	06/02/2017	7:29AMEST	DAVIS, GWENDER G	
PREPARED	06/02/2017	7:41AMEST	DAVIS, GWENDER G	
PREPARED	06/02/2017	8:18AMEST	DAVIS, GWENDER G	
SIGNED	06/02/2017	11:06AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	06/02/2017	11:23AMEST	REEDER, JOHN EDWARD	
VOUCHER APPROVED	06/05/2017	6:57AMEST	SULLENDER, KATHRYN A	
PENDING	06/05/2017	6:57AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	06/05/2017	8:06AMEST	One, EAI User	
PENDING	06/05/2017	8:06AMEST	One, EAI User	
PAID	06/05/2017	11:00AMEST	One, EAI User	

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_____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date:

Approver Name: _____

Approver Signature:

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH130020
Travel Authorization Number:	TAA0467G	Trip Name:	Trip from Tulsa to Phoenix, AZ to Scottsdale, AZ and return to Washington, DC
TA Date:	03/10/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	4-SPEECH OR PRESENTATION	Document Detail:	The Administrator will speak at the National Association of Manufacturers in Scottsdale, AZ. A cost comparison has been done from Tulas, OK to Scottsdale, AZ vs. DC to Scottsdale, AZ and it is the same gov. cost one way. Please also note that NAM has offered to give the administrator the gift of room and taxes that is being sent to OGC for approval.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will speak at the National Association of Manufacturers in Scottsdale, AZ. A cost comparison has been done from Tulas, OK to Scottsdale, AZ vs. DC to Scottsdale, AZ and it is the same gov. cost one way. Please also note that NAM has offered to give the administrator the gift of room and taxes that is being sent to OGC for approval.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
03/06/17	03/07/17	SCOTTSDALE, AZ	4-SPEECH OR PRESENTATION	169.00 / 59.00

Document Totals

Total Expenses:	738.94
Reimbursable Expenses:	110.24
Non-Reimbursable Expenses:	628.70
Advance Applied:	.00
Net to Traveler:	74.40
Net to Government:	628.70
Pay to Charge Card:	35.84

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	628.70	.00
Lodging & M&IE	88.50	.00
Misc Expense	6.99	.00
Transaction Fees	14.75	.00
Total Expenses:	738.94	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR				

Trip Itinerary

From: PHX-Phoenix, AZ (USA) (Sky Harbor Apt) TO: [redacted] Washington, DC (USA) [redacted]

Air

Monday March 06, 2017

TUL-Tulsa, OK (USA) (Int to PHX-Phoenix, AZ (USA) (S

Mar 06 [redacted]

Tulsa, OK (USA) (Intl. Apt) 03/06/2017 9:05AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Phoenix, AZ (USA) (Sky Harbor Apt) 03/06/2017 10:45AM

Flight Information
Distance 932 miles
No Seat Assigned

Emissions 363.5 lbs of CO2

TUL-Tulsa, OK (USA) (Int to PHX-Phoenix, AZ (USA) (S

Mar 06 [redacted]

Tulsa, OK (USA) (Intl. Apt) 03/06/2017 9:05AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Phoenix, AZ (USA) (Sky Harbor Apt) 03/06/2017 10:45AM

Flight Information
Distance 932 miles
No Seat Assigned

Emissions 363.5 lbs of CO2

TUL-Tulsa, OK (USA) (Int to PHX-Phoenix, AZ (USA) (S

Mar 06 [redacted]

Tulsa, OK (USA) (Intl. Apt) 03/06/2017 9:05AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Phoenix, AZ (USA) (Sky Harbor Apt) 03/06/2017 10:45AM

Flight Information
Distance 932 miles
No Seat Assigned

Emissions 363.5 lbs of CO2

Tuesday March 07, 2017

PHX-Phoenix, AZ (USA) (S to ATL-Atlanta, GA (USA) (H

Mar 07 [redacted]

Phoenix, AZ (USA) (Sky Harbor Apt) 03/07/2017 7:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 03/07/2017 12:31PM

Flight Information
Distance 1581 miles
No Seat Assigned

Emissions 616.6 lbs of CO2
Cost 214.80 USD

PHX-Phoenix, AZ (USA) (S to ATL-Atlanta, GA (USA) (H

Mar 07 [redacted]

Phoenix, AZ (USA) (Sky Harbor Apt) 03/07/2017 7:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 03/07/2017 12:31PM

Flight Information
Distance 1581 miles
No Seat Assigned

Emissions 616.6 lbs of CO2
Cost 214.80 USD

PHX-Phoenix, AZ (USA) (S to ATL-Atlanta, GA (USA) (H

Mar 07 [redacted]

Phoenix, AZ (USA) (Sky Harbor Apt) 03/07/2017 7:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 03/07/2017 12:31PM

Flight Information
Distance 1581 miles
No Seat Assigned

Emissions 616.6 lbs of CO2
Cost 214.80 USD

ATL-Atlanta, GA (USA) (H t[redacted]Washington, DC (USA)

Mar 07 [redacted]

Atlanta, GA (USA) (Hartsfield Intl. Apt) 03/07/2017 1:55PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 03/07/2017 3:38PM

Flight Information
Distance 547 miles
No Seat Assigned

Emissions 213.3 lbs of CO2

ATL-Atlanta, GA (USA) (H t[redacted]Washington, DC (USA)

Mar 07 [redacted]

Atlanta, GA (USA) (Hartsfield Intl., Apt) 03/07/2017 1:55PM — Duration: Unknown Nonstop

Confirmation Number: [redacted] — Washington, DC (USA) [redacted] 03/07/2017 3:38PM

Flight Information

Distance 547 miles — Emissions 213.3 lbs of CO2

No Seat Assigned

ATL-Atlanta, GA (USA) (H to [redacted] Washington, DC (USA)

Mar 07 [redacted]

Atlanta, GA (USA) (Hartsfield Intl., Apt) 03/07/2017 1:55PM — Duration: Unknown Nonstop

Confirmation Number: [redacted] — Washington, DC (USA) [redacted] 03/07/2017 3:38PM

Flight Information

Distance 547 miles — Emissions 213.3 lbs of CO2

No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 650.44 — Total Per Diem Expenses: 88.50

Date	Description	Category	Cost	Pay Method	Per Diem
03/05/2017	Travel Fee	Com. Carrier	34.30	CENTRAL BILL	
Comment:	LB ATRS Domestic w-Air-Rail				
03/06/2017	M&IE	Lodging & M&IE	44.25	PERSONAL	*
03/07/2017	Airline Flight	Com. Carrier	594.40	CENTRAL BILL	
03/07/2017	M&IE	Lodging & M&IE	44.25	PERSONAL	*
03/07/2017	Internet Connection Fees	Misc Expense	6.99	PERSONAL	
03/10/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip# 1 — Total Per Diem Allowances: 88.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
03/06/2017	169.00/ 59.00	0.00	0.00	44.25	44.25	
03/07/2017	169.00/ 59.00	0.00	0.00	44.25	44.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	16 OA IO ACCOUNT	AT6.20162017.B.11A.ZZZME8.MN111100.	CENTRAL BILL	628.70
EPAAO11IO	16 OA IO ACCOUNT	AT6.20162017.B.11A.ZZZME8.MN111100.	GOVCC	14.75
EPAAO11IO	16 OA IO ACCOUNT	AT6.20162017.B.11A.ZZZME8.MN111100.	PERSONAL	95.49

Totals by Label

EPAAO11IO	16 OA IO ACCOUNT Total	AT6.20162017.B.11A.ZZZME8.MN111100.	738.94

Totals by Payment Method

CENTRAL BILL Total	628.70
GOVCC Total	14.75
PERSONAL Total	95.49

Document History 02/26/2018 Veh: VCH130020

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	03/10/2017	7:24AMEST	DAVIS, GWENDER G	
PREPARED	03/10/2017	7:36AMEST	DAVIS, GWENDER G	
SIGNED	03/10/2017	12:52PMEST	PRUITT, EDWARD SCOTT	
ADJUSTED	03/13/2017	3:28PMEST	REEDER, JOHN EDWARD	
AUTHORIZED	03/13/2017	3:28PMEST	REEDER, JOHN EDWARD	
VOUCHER APPROVED	03/14/2017	12:20PMEST	TURNER, STEVE K	
PENDING	03/14/2017	12:20PMEST	SYSUTILITY	
OFFSETTING/OBLIGATED	03/14/2017	3:00PMEST	Onc, EAI User	
PENDING	03/14/2017	3:00PMEST	Onc, EAI User	
PAID	03/15/2017	5:00AMEST	Onc, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name:
Traveler/Preparer Signature:
Date:
Approver Name:
Approver Signature:
Date:

Document Header Information

Document Type:	Vch	Document Name:	VCH137784
Travel Authorization Number:	TAA04F8X	Trip Name:	Trip from Washington to New York, NY and return.
TA Date:	05/04/17	Currency:	USD
Organization:	EPAAO11HO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	Administrator is traveling to New York this evening for a 6:30AM media hit on Friday morning (4/27/17).
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11HO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: Administrator is traveling to New York this evening for a 6:30AM media hit on Friday morning (4/27/17).

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
04/27/17	04/28/17	NEW YORK, NY	2-INFORMATIONAL MEETING	267.00 / 74.00

Document Totals

Total Expenses:	471.67
Reimbursable Expenses:	471.67
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	98.94
Net to Government:	.00
Pay to Charge Card:	372.73

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	53.24	.00
Hotel Tax	40.68	.00
Lodging-PerDiem	252.00	.00
M&IE-PerDiem	111.00	.00
Transaction Fees	14.75	.00
Total Expenses:	471.67	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		110.40
COMM-CARR				.00
LODGE	Preferred Hotels		New York,NY	252.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: [redacted] ew York, NY (USA) [redacted]

Air

Thursday April 27, 2017

[redacted] Washington, DC (USA) to [redacted] New York, NY (USA) (

Apr 27 [redacted]
Washington, DC (USA) [redacted] 04/27/2017 10:00PM
Confirmation Number: [redacted]

Duration: 1 Hour 12 Minutes Nonstop
New York, NY (USA) [redacted] 04/27/2017 11:12PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2
Cost 110.40 USD

[redacted] Washington, DC (USA) to [redacted] New York, NY (USA) (

Apr 27 [redacted]
Washington, DC (USA) [redacted] 04/27/2017 10:00PM
Confirmation Number: [redacted]

Duration: 1 Hour 12 Minutes Nonstop
New York, NY (USA) [redacted] 04/27/2017 11:12PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2
Cost 110.40 USD

Hotel

Preferred Hotels

152 W 51st St New York NY 10019 212-765-1900

Apr 27 Checking in: 04/27/2017

Checking out: 04/28/2017
Total Rate: 252.00 USD

Preferred Hotels

152 W 51st St New York NY 10019 212-765-1900

Apr 27 Checking in: 04/27/2017

Checking out: 04/28/2017
Total Rate: 252.00 USD

Air

Friday April 28, 2017

[redacted] New York, NY (USA) ([redacted] Washington, DC (USA)

Apr 28 [redacted]
New York, NY (USA) [redacted] 04/28/2017 9:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 04/28/2017 10:26AM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2

[redacted] New York, NY (USA) (to [redacted] Washington, DC (USA)

Apr 28 [redacted]
New York, NY (USA) [redacted] 04/28/2017 9:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 04/28/2017 10:26AM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 108.67 — Total Per Diem Expenses: 363.00

Date	Description	Category	Cost	Pay Method	Per Diem
04/27/2017	Travel Fee	Cont. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
04/27/2017	Hotel Tax (CONUS Only)	Hotel Tax	40.68	GOVCC	
04/27/2017	Lodging	Lodging-PerDiem	252.00	GOVCC	*
Comment:	Conf Num: CI261E16 Cmt:				
04/27/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
04/28/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
05/04/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 363.00

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
04/27/2017	267.00/ 74.00	252.00	252.00	55.50	55.50	
04/28/2017	267.00/ 74.00	0.00	0.00	55.50	55.50	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO1HO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100	GOVCC	360.67
EPAAO1HO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	111.00

Totals by Label

EPAAO1HO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.		471.67

Totals by Payment Method

GOVCC Total	360.67
PERSONAL Total	111.00

Document History 02/26/2018 Vch: VCH137784

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	05/04/2017	1:28PMEST	DAVIS, GWENDER G	
PREPARED	05/04/2017	1:40PMEST	DAVIS, GWENDER G	
SIGNED	05/08/2017	2:02PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	05/11/2017	2:04PMEST	REEDER, JOHN EDWARD	
VOUCHER APPROVED	05/12/2017	8:18AMEST	POWERS, JEANNA M	
PENDING	05/12/2017	8:18AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	05/12/2017	10:05AMEST	One, EAI User	
PENDING	05/12/2017	10:05AMEST	One, EAI User	
PAID	05/12/2017	12:05PMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH140322
Travel Authorization Number:	TAA04G9Q	Trip Name:	Trip from Washington to New York, NY and return.
TA Date:	05/23/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will travel to New York on May 16th ?" 17th to address the Manhattan Institute's Board of Directors meeting and to do media hits.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator will travel to New York on May 16th ?" 17th to address the Manhattan Institute's Board of Directors meeting and to do media hits.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
05/16/17	05/17/17	NEW YORK, NY	2-INFORMATIONAL MEETING	267.00 / 74.00

Document Totals

Total Expenses:	2,055.43
Reimbursable Expenses:	2,055.43
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	2,055.43

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	1,369.69	.00
Hotel Tax	109.99	.00
Lodging-PerDiem	450.00	.00
M&IE-PerDiem	111.00	.00
Transaction Fees	14.75	.00
Total Expenses:	2,055.43	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		1,648.40
COMM-CARR				.00
LODGE			New York,NY	450.00

Trip Itinerary

From: [redacted] Washington, DC (USA) [redacted] TO [redacted] w York, NY (USA) [redacted]

Air

Tuesday May 16, 2017

[redacted] Washington, DC (USA) [redacted] New York, NY (USA) (

May 16 [redacted]
Washington, DC (USA) [redacted] 05/16/2017 7:00PM
Confirmation Number: [redacted]

Duration: 1 Hour 29 Minutes Nonstop
New York, NY (USA) [redacted] 05/16/2017 8:29PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2
Cost 1,648.40 USD

[redacted] Washington, DC (USA) to [redacted] New York, NY (USA) (

May 16 [redacted]
Washington, DC (USA) [redacted] 05/16/2017 7:00PM
Confirmation Number [redacted]

Duration: 1 Hour 29 Minutes Nonstop
New York, NY (USA) [redacted] 05/16/2017 8:29PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2
Cost 1,648.40 USD

[redacted] Washington, DC (USA) to [redacted] New York, NY (USA) (

May 16 [redacted]
Washington, DC (USA) [redacted] 05/16/2017 7:00PM
Confirmation Number: [redacted]

Duration: 1 Hour 29 Minutes Nonstop
New York, NY (USA) [redacted] 05/16/2017 8:29PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2
Cost 1,648.40 USD

Hotel

Preferred Hotels

152 W 51st St New York NY 10019 212-765-1900

May 16 Checking in: 05/16/2017

Checking out: 05/17/2017
Total Rate: 450.00 USD

Preferred Hotels

152 W 51st St New York NY 10019 212-765-1900

May 16 Checking in: 05/16/2017

Checking out: 05/17/2017
Total Rate: 450.00 USD

Preferred Hotels

152 W 51st St New York NY 10019 212-765-1900

May 16 Checking in: 05/16/2017

Checking out: 05/17/2017
Total Rate: 450.00 USD

Air

Wednesday May 17, 2017

[redacted] New York, NY (USA) (to [redacted] -Washington, DC (USA)

May 17 [redacted]
New York, NY (USA) [redacted] 05/17/2017 4:00PM
Confirmation Number: [redacted]

Duration: 1 Hour 30 Minutes Nonstop
Washington, DC (USA) [redacted] 05/17/2017 5:30PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2

[redacted] -New York, NY (USA) (to [redacted] Washington, DC (USA)

May 17 [redacted]
New York, NY (USA) [redacted] 05/17/2017 4:00PM
Confirmation Number: [redacted]

Duration: 1 Hour 30 Minutes Nonstop
Washington, DC (USA) [redacted] 05/17/2017 5:30PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2

[redacted] New York, NY (USA) (to [redacted] Washington, DC (USA)

May 17 [redacted]
New York, NY (USA [redacted] 05/17/2017 4:00PM

Duration: 1 Hour 30 Minutes Nonstop
Washington, DC (USA) [redacted] 05/17/2017 5:30PM

Confirmation Number: [redacted]

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2

Expenses

Trip#: 1 | Total Non-Per Diem Expenses: 1,494.43 | Total Per Diem Expenses: 561.00

Date	Description	Category	Cost	Pay Method	Per Diem
05/16/2017	Airline Flight	Com. Carrier	1,316.45	GOVCC	
05/16/2017	TMC Fee	Com. Carrier	53.24	GOVCC	
05/16/2017	Hotel Tax (CONUS Only)	Hotel Tax	109.99	GOVCC	
05/16/2017	Lodging	Lodging-PerDiem	450.00	GOVCC	*
Comment:	Conf Num: CI2632DA Cmt:				
05/16/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
05/17/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
05/23/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 561.00

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B. L. D. Conf%
05/16/2017	267.00/ 74.00	450.00	450.00	55.50	55.50	
05/17/2017	267.00/ 74.00	0.00	0.00	55.50	55.50	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100	GOVCC	1,944.43
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100	PERSONAL	111.00

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100	2,055.43

Totals by Payment Method

GOVCC Total	1,944.43
PERSONAL Total	111.00

Document History 02/26/2018 Vch: VCH140322

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	05/23/2017	10:35AMEST	DAVIS, GWENDER G	
PREPARED	05/23/2017	11:02AMEST	DAVIS, GWENDER G	
SIGNED	05/23/2017	11:25AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	05/24/2017	7:01AMEST	REEDER, JOHN EDWARD	
ADJUSTED	06/05/2017	5:56AMEST	SULLENDER, KATHRYN A	
VOUCHER APPROVED	06/05/2017	6:20AMEST	SULLENDER, KATHRYN A	
PENDING	06/05/2017	6:20AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	06/05/2017	8:06AMEST	One, EAI User	
PENDING	06/05/2017	8:06AMEST	One, EAI User	
PAID	06/05/2017	11:00AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____
Traveler/Preparer Signature: _____
Date: _____
Approver Name: _____

Approver Signature: .....

Date: .....

Document Header Information

Document Type:	Vch	Document Name:	VCH144084
Travel Authorization Number:	TAA04EG0	Trip Name:	Trip from Washington, DC to Cincinnati for the day (6/7) then to Rome/Bologna, Italy and return.
TA Date:	06/20/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	5-CONFERENCE TRAVEL	Document Detail:	Administrator is traveling to Cincinnati by request of the President (will be flown with the President from Washington, DC to Cincinnati on Air Force One) who is putting on an event just outside the city and asked the Administrator to be present; then the Administrator and his staff will be flown by MilAir from Cincinnati to New York[redacted] to will represent the United States and will travel to Rome, and the Holy See on the margins of the G-7 Environment Ministerial Meeting and to attend meetings with Italy's Environmental Ministers in Bologna. Please note: Italy's Environmental Ministers in Bologna have offer complimentary lodging including breakfast and taxes on 6/10 and 6/11 while in Bologna, Italy. An Ethics form is being prepared. Please also not: the hotel room was booked one day prior to arrival in order for the room. Also not: the Administrator will be driven from Bologna to Milan in his motorcade for a return flight back to DC thru[redacted]
Type Code:	FOREIGN TRAVEL		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	ID:	[redacted]
TID:	[redacted]	Organization:	EPAAO11IO
Title:		Duty Station:	
Security Cl:		Card:	ADVANCE AUTHORIZED
Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460	EMAIL:	PRUITT.SCOTT@EPA.GOV
Office Phone:	[redacted]	Cell Phone:	
Home Address:	[redacted]	Home Phone:	
Alternate Address:		Alternate Phone:	

Document Information

Trip Number:
1

Purpose: Administrator is traveling to Cincinnati by request of the President (will be flown with the President from Washington, DC to Cincinnati on Air Force One) who is putting on an event just outside the city and asked the Administrator to be present; then the Administrator and his staff will be flown by MilAir from Cincinnati to New York[redacted] to will represent the United States and will travel to Rome, and the Holy See on the margins of the G-7 Environment Ministerial Meeting and to attend meetings with Italy's Environmental Ministers in Bologna. Please note: Italy's Environmental Ministers in Bologna have offer complimentary lodging including breakfast and taxes on 6/10 and 6/11 while in Bologna, Italy. An Ethics form is being prepared. Please also not: the hotel room was booked one day prior to arrival in order for the room. Also not: the Administrator will be driven from Bologna to Milan in his motorcade for a return flight back to DC thru[redacted]

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
06/07/17	06/11/17	ROME, ITA	5-CONFERENCE TRAVEL	359.00 / 134.00

Document Totals

Total Expenses:	8,997.83
Reimbursable Expenses:	8,997.83
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	400.09
Net to Government:	.00
Pay to Charge Card:	8,597.74

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	7,003.32	.00
Lodging-PerDiem	1,339.08	.00

M&IE-PerDiem	603.00	.00
Misc Expense	37.68	.00
Transaction Fees	14.75	.00
Total Expenses:	8,997.83	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		12,205.22
COMM-CARR				.00
COMM-CARR				.00

Trip Itinerary

From: [redacted]-New York, NY (USA) [redacted] TO: FCO-Rome, Italy (Fiumicino Apt)

Air

Wednesday June 07, 2017

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 [redacted]
New York, NY (USA) [redacted]) 06/07/2017 7:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 [redacted]
New York, NY (USA) [redacted]) 06/07/2017 7:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 [redacted]
New York, NY (USA) [redacted]) 06/07/2017 7:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 [redacted]
New York, NY (USA) [redacted]) 06/07/2017 7:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 [redacted]
New York, NY (USA) [redacted]) 06/07/2017 7:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 [redacted]
New York, NY (USA) [redacted]) 06/07/2017 7:35PM
Confirmation Number [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 Delta 444
New York, NY (USA) ([redacted]) 06/07/2017 7:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 [redacted]
New York, NY (USA) ([redacted]) 06/07/2017 7:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

[redacted]-New York, NY (USA) (to FCO-Rome, Italy (Fiumici

Jun 07 [redacted]
New York, NY (USA) ([redacted]) 06/07/2017 7:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Rome, Italy (Fiumicino Apt) 06/08/2017 10:20AM

Flight Information
Distance 4263 miles
No Seat Assigned

Emissions 1662.6 lbs of CO2
Cost 12,205.22 USD

Sunday June 11, 2017

MXP-Milan, Italy (Malpen to [redacted] New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles
No Seat Assigned

Emissions 1553.0 lbs of CO2

MXP-Milan, Italy (Malpen to [redacted] New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles
No Seat Assigned

Emissions 1553.0 lbs of CO2

MXP-Milan, Italy (Malpen to [redacted]-New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles
No Seat Assigned

Emissions 1553.0 lbs of CO2

MXP-Milan, Italy (Malpen to [redacted]-New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles
No Seat Assigned

Emissions 1553.0 lbs of CO2

MXP-Milan, Italy (Malpen to [redacted]-New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles

Emissions 1553.0 lbs of CO2

No Seat Assigned

MXP-Milan, Italy (Malpen to [redacted] New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles
No Seat Assigned

Emissions 1553.0 lbs of CO2

MXP-Milan, Italy (Malpen to [redacted] New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles
No Seat Assigned

Emissions 1553.0 lbs of CO2

MXP-Milan, Italy (Malpen to [redacted] -New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles
No Seat Assigned

Emissions 1553.0 lbs of CO2

MXP-Milan, Italy (Malpen to [redacted] -New York, NY (USA) (

Jun 11 [redacted]
Milan, Italy (Malpensa Apt) 06/11/2017 4:10PM
Confirmation Number [redacted]

Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 7:00PM

Flight Information
Distance 3982 miles
No Seat Assigned

Emissions 1553.0 lbs of CO2

[redacted] -New York, NY (USA) (to [redacted] Washington, DC (USA)

Jun 11 [redacted]
New York, NY (USA) ([redacted]) 06/11/2017 9:55PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) ([redacted]) 06/11/2017 11:22PM

Flight Information
Distance 227 miles
No Seat Assigned

Emissions 88.5 lbs of CO2

[redacted] -New York, NY (USA) (to [redacted] -Washington, DC (USA)

Jun 11 [redacted]
New York, NY (USA) ([redacted]) 06/11/2017 9:55PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) ([redacted]) 06/11/2017 11:22PM

Flight Information
Distance 227 miles
No Seat Assigned

Emissions 88.5 lbs of CO2

[redacted] -New York, NY (USA) (to [redacted] -Washington, DC (USA)

Jun 11 [redacted]
New York, NY (USA) ([redacted]) 06/11/2017 9:55PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) ([redacted] 06/11/2017 11:22PM

Flight Information
Distance 227 miles
No Seat Assigned

Emissions 88.5 lbs of CO2

[redacted] -New York, NY (USA) (to [redacted] -Washington, DC (USA)

Jun 11 [redacted]
New York, NY (USA) [redacted] 06/11/2017 9:55PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) ([redacted]) 06/11/2017 11:22PM

Flight Information
Distance 227 miles
No Seat Assigned

Emissions 88.5 lbs of CO2

[redacted] -New York, NY (USA) (to [redacted] -Washington, DC (USA)

Jun 11 [redacted]
New York, NY (USA) ([redacted]) 06/11/2017 9:55PM

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 06/11/2017 11:22PM

Confirmation Number [redacted]

Flight Information
Distance 227 miles — Emissions 88.5 lbs of CO2
No Seat Assigned

[redacted] New York, NY (USA) (to [redacted] -Washington, DC (USA)

Jun 11 [redacted] — Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 9:55PM — Washington, DC (USA) ([redacted]) 06/11/2017 11:22PM
Confirmation Number [redacted]

Flight Information
Distance 227 miles — Emissions 88.5 lbs of CO2
No Seat Assigned

[redacted] -New York, NY (USA) (to [redacted] Washington, DC (USA)

Jun 11 [redacted] — Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 9:55PM — Washington, DC (USA) [redacted] 06/11/2017 11:22PM
Confirmation Number: [redacted]

Flight Information
Distance 227 miles — Emissions 88.5 lbs of CO2
No Seat Assigned

[redacted] -New York, NY (USA) (to [redacted] -Washington, DC (USA)

Jun 11 [redacted] — Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 9:55PM — Washington, DC (USA) ([redacted]) 06/11/2017 11:22PM
Confirmation Number [redacted]

Flight Information
Distance 227 miles — Emissions 88.5 lbs of CO2
No Seat Assigned

[redacted] -New York, NY (USA) (to [redacted] -Washington, DC (USA)

Jun 11 [redacted] — Duration: Unknown Nonstop
New York, NY (USA) ([redacted]) 06/11/2017 9:55PM — Washington, DC (USA) ([redacted]) 06/11/2017 11:22PM
Confirmation Number: [redacted]

Flight Information
Distance 227 miles — Emissions 88.5 lbs of CO2
No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 7,055.75 — Total Per Diem Expenses: 1,942.08

Date	Description	Category	Cost	Pay Method	Per Diem
05/29/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
05/30/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
06/02/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
06/07/2017	Airline Flight	Com. Carrier	6,687.76	GOVCC	
06/07/2017	TMC Fee	Com. Carrier	53.24	GOVCC	
06/07/2017	Lodging	Lodging-PerDiem	355.27	GOVCC	*
06/07/2017	M&IE	M&IE-PerDiem	100.50	PERSONAL	*
06/07/2017	Currency Conversion Fees	Misc Expense	11.97	PERSONAL	
06/08/2017	Lodging	Lodging-PerDiem	355.27	GOVCC	*
06/08/2017	M&IE	M&IE-PerDiem	134.00	PERSONAL	*
06/08/2017	Internet Connection Fees	Misc Expense	21.95	PERSONAL	
06/09/2017	Lodging	Lodging-PerDiem	628.54	GOVCC	*
06/09/2017	M&IE	M&IE-PerDiem	134.00	PERSONAL	*
06/10/2017	Train	Com. Carrier	68.78	GOVCC	
06/10/2017	TMC Fee	Com. Carrier	33.82	GOVCC	
06/10/2017	M&IE	M&IE-PerDiem	134.00	PERSONAL	*
06/10/2017	Currency Conversion Fees	Misc Expense	2.73	PERSONAL	
06/10/2017	Currency Conversion Fees	Misc Expense	.34	PERSONAL	
06/10/2017	Currency Conversion Fees	Misc Expense	.69	PERSONAL	
06/11/2017	M&IE	M&IE-PerDiem	100.50	PERSONAL	*
06/20/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 1,942.08

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
06/07/2017	359.00/134.00	355.27	355.27	100.50	100.50	
06/08/2017	359.00/134.00	355.27	355.27	134.00	134.00	
06/09/2017	359.00/134.00	628.54	628.54	134.00	134.00	
06/10/2017	359.00/134.00	0.00	0.00	134.00	134.00	
06/11/2017	359.00/134.00	0.00	0.00	100.50	100.50	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11Q.ZZZME8.MN111100.	GOVCC	8,357.15
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11Q.ZZZME8.MN111100.	PERSONAL	640.68

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11Q.ZZZME8.MN111100.		8,997.83

Totals by Payment Method

GOVCC Total	8,357.15
PERSONAL Total	640.68

Document History 09/28/2017 Vch: VCH144084

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	06/20/2017	9:44AMEST	DAVIS, GWENDER G	
PREPARED	06/27/2017	12:43PMEST	DAVIS, GWENDER G	
SIGNED	06/27/2017	2:50PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	06/28/2017	7:30AMEST	REEDER, JOHN EDWARD	
ADJUSTED	06/29/2017	12:36PMEST	SEBASTIAN, GLORIA LYNN	
VOUCHER APPROVED	06/29/2017	12:39PMEST	SEBASTIAN, GLORIA LYNN	
PENDING	06/29/2017	12:39PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	06/29/2017	3:00PMEST	One, EAI User	
PENDING	06/29/2017	3:00PMEST	One, EAI User	
PAID	06/30/2017	4:07AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH158316
Travel Authorization Number:	TAA052OQ	Trip Name:	Washington, DC to New York
TA Date:	10/05/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be travelling to New York to participate in several National Media Interviews and to speak at the Federalist Society Meeting.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator will be travelling to New York to participate in several National Media Interviews and to speak at the Federalist Society Meeting.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
09/27/17	09/28/17	NEW YORK, NY		301.00 / 74.00

Document Totals

Total Expenses:	2,671.87
Reimbursable Expenses:	2,671.87
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	2,671.87

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	1,951.12	.00
Lodging-PerDiem	595.00	.00
M&IE-PerDiem	111.00	.00
Transaction Fees	14.75	.00
Total Expenses:	2,671.87	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		2,044.34
COMM-CARR				.00
LODGE	Leading Hotels			595.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO [redacted] New York, NY (USA) [redacted]

Air

Wednesday September 27, 2017

[redacted] Washington, DC (USA) ([redacted] New York, NY (USA) (

Sep 27 [redacted]
Washington, DC (USA) [redacted] 09/27/2017 12:59PM
Confirmation Number: [redacted]

Duration: 1 Hour 27 Minutes Nonstop
New York, NY (USA) [redacted] 09/27/2017 2:26PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2
Cost 2,044.34 USD

[redacted] Washington, DC (USA) ([redacted] New York, NY (USA) (

Sep 27 [redacted]
Washington, DC (USA) [redacted] 09/27/2017 12:59PM
Confirmation Number: [redacted]

Duration: 1 Hour 27 Minutes Nonstop
New York, NY (USA) [redacted] 09/27/2017 2:26PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2
Cost 2,044.34 USD

Hotel

Leading Hotels

6 TIMES SQUARE NEW YORK NY

Sep 27 Checking in: 09/27/2017

Checking out: 09/28/2017
Total Rate: 595.00 USD

Leading Hotels

6 TIMES SQUARE NEW YORK NY

Sep 27 Checking in: 09/27/2017

Checking out: 09/28/2017
Total Rate: 595.00 USD

Air

Thursday September 28, 2017

[redacted] New York, NY (USA) ([redacted] Washington, DC (USA)

Sep 28 [redacted]
New York, NY (USA) [redacted] 09/28/2017 1:00PM
Confirmation Number: [redacted]

Duration: 1 Hour 30 Minutes Nonstop
Washington, DC (USA) [redacted] 09/28/2017 2:30PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2

[redacted] New York, NY (USA) ([redacted] Washington, DC (USA)

Sep 28 [redacted]
New York, NY (USA) [redacted] 09/28/2017 1:00PM
Confirmation Number: [redacted]

Duration: 1 Hour 30 Minutes Nonstop
Washington, DC (USA) [redacted] 09/28/2017 2:30PM

Flight Information
Distance 214 miles
No Seat Assigned

Emissions 83.5 lbs of CO2

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 1,965.87 — Total Per Diem Expenses: 706.00

Date	Description	Category	Cost	Pay Method	Per Diem
09/22/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
09/27/2017	Airline Flight	Com. Carrier	1,791.40	GOVCC	
09/27/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
09/27/2017	Lodging	Lodging-PerDiem	595.00	GOVCC	*
Comment:	Conf Num: 115895370 Cmt:				
09/27/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
09/28/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
09/28/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
10/05/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 706.00

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B/L/D/Conf%
09/27/2017	301.00/ 74.00	595.00	595.00	55.50	55.50	
09/28/2017	301.00/ 74.00	0.00	0.00	55.50	55.50	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	2,560.87
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	111.00

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.	2,671.87

Totals by Payment Method

GOVCC Total	2,560.87
PERSONAL Total	111.00

Document History 02/26/2018 Vch: VCH158316

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	10/05/2017	11:18AMEST	JENKINS, JUANITA R	
PREPARED	10/10/2017	7:29AMEST	JENKINS, JUANITA R	
SIGNED	10/16/2017	4:14AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	10/16/2017	9:24AMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	10/17/2017	2:19PMEST	POWERS, JEANNA M	
PENDING	10/17/2017	2:19PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	10/18/2017	4:00AMEST	One, EAI User	
PENDING	10/18/2017	4:00AMEST	One, EAI User	
PAID	10/18/2017	6:07AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH145258
Travel Authorization Number:	TAA04MUR	Trip Name:	Trip from Washington to Tulsa, OK and return.
TA Date:	06/27/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will travel to Tulsa per invitation from Ardagh for a tour a meeting.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will travel to Tulsa per invitation from Ardagh for a tour a meeting.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
06/22/17	06/26/17	TULSA, OK	2-INFORMATIONAL MEETING	91.00 / 51.00

Document Totals

Total Expenses:	2,799.09
Reimbursable Expenses:	2,799.09
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	127.50
Net to Government:	.00
Pay to Charge Card:	2,671.59

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,656.84	.00
M&IE-PerDiem	127.50	.00
Transaction Fees	14.75	.00
Total Expenses:	2,799.09	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		2,603.60
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00

Trip Itinerary

From: [redacted] Washington, DC (USA) [redacted] TO: ATL-Atlanta, GA (USA) (Hartsfield Intl.

Air

Thursday June 22, 2017

[redacted] Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Jun 22 [redacted]
Washington, DC (USA) [redacted] 06/22/2017 1:34PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 06/22/2017 3:34PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2
Cost 2,603.60 USD

[redacted] Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Jun 22 [redacted]
Washington, DC (USA) [redacted] 06/22/2017 1:34PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 06/22/2017 3:34PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2
Cost 2,603.60 USD

ATL-Atlanta, GA (USA) (H to TUL-Tulsa, OK (USA) (Int

Jun 22 [redacted]
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 06/22/2017 4:25PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Tulsa, OK (USA) (Intl.. Apt) 06/22/2017 5:34PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

ATL-Atlanta, GA (USA) (H to TUL-Tulsa, OK (USA) (Int

Jun 22 [redacted]
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 06/22/2017 4:25PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Tulsa, OK (USA) (Intl.. Apt) 06/22/2017 5:34PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

Monday June 26, 2017

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M

Jun 26 [redacted]
Tulsa, OK (USA) (Intl.. Apt) 06/26/2017 6:04AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Detroit, MI (USA) (Metropolitan Apt) 06/26/2017 9:20AM

Flight Information
Distance 788 miles
No Seat Assigned

Emissions 307.3 lbs of CO2

TUL-Tulsa, OK (USA) (Int to DTW-Detroit, MI (USA) (M

Jun 26 [redacted]
Tulsa, OK (USA) (Intl.. Apt) 06/26/2017 6:04AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Detroit, MI (USA) (Metropolitan Apt) 06/26/2017 9:20AM

Flight Information
Distance 788 miles
No Seat Assigned

Emissions 307.3 lbs of CO2

DTW-Detroit, MI (USA) (M t[redacted] Washington, DC (USA)

Jun 26 [redacted]
Detroit, MI (USA) (Metropolitan Apt) 06/26/2017 10:15AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 06/26/2017 11:46AM

Flight Information
Distance 404 miles
No Seat Assigned

Emissions 157.6 lbs of CO2

DTW-Detroit, MI (USA) (M to [redacted] Washington, DC (USA)

Jun 26 [redacted]
Detroit, MI (USA) (Metropolitan Apt) 06/26/2017 10:15AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 06/26/2017 11:46AM

Flight Information
Distance 404 miles
No Seat Assigned

Emissions 157.6 lbs of CO2

Expenses

Trip#: 1 | Total Non-Per Diem Expenses: 2,671.59 | Total Per Diem Expenses: 127.50

Date	Description	Category	Cost	Pay Method	Per Diem
06/19/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
06/22/2017	Airline Flight	Com. Carrier	2,603.60	GOVCC	
06/22/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
06/23/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
06/26/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
06/27/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 127.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Cont%
06/22/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	
06/23/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
06/24/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
06/25/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
06/26/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO1HO	17 OA IO ACCOUNT	A7T.20172018.B.11Q.ZZZME8.MN11100	GOVCC	2,671.59
EPAAO1HO	17 OA IO ACCOUNT	A7T.20172018.B.11Q.ZZZME8.MN11100	PERSONAL	127.50

Totals by Label

EPAAO1HO	17 OA IO ACCOUNT Total	A7T.20172018.B.11Q.ZZZME8.MN11100	2,799.09

Totals by Payment Method

GOVCC Total	2,671.59
PERSONAL Total	127.50

Document History 02/26/2018 Vch: VCH145258

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	06/27/2017	2:15PMEST	DAVIS, GWENDER G	
PREPARED	06/27/2017	2:21PMEST	DAVIS, GWENDER G	
SIGNED	06/27/2017	2:50PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	06/28/2017	7:30AMEST	REEDER, JOHN EDWARD	
ADJUSTED	06/29/2017	6:34AMEST	LEBLOND, CHARLES	
VOUCHER APPROVED	06/29/2017	6:36AMEST	LEBLOND, CHARLES	
PENDING	06/29/2017	6:36AMEST	SYSUTILITY	
PAID	06/29/2017	8:08AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH145682
Travel Authorization Number:	TAA04NKI	Trip Name:	Trip from Washington to Birmingham, AL and return.
TA Date:	07/11/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will participate in a tour of the Gaston Clean Power Plant in Wilsonville, AL and then tour the Brentwood Farms and speak to the Alabama Farm Federation.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator will participate in a tour of the Gaston Clean Power Plant in Wilsonville, AL and then tour the Brentwood Farms and speak to the Alabama Farm Federation.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
07/06/17	07/06/17	BIRMINGHAM, AL		96.00 / 59.00

Document Totals

Total Expenses:	2,622.96
Reimbursable Expenses:	2,622.96
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	27.71
Net to Government:	.00
Pay to Charge Card:	2,595.25

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,544.06	.00
M&IE-PerDiem	44.25	.00
Misc Expense	19.90	.00
Transaction Fees	14.75	.00
Total Expenses:	2,622.96	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		2,437.58
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: ATL-Atlanta, GA (USA) (Hartsfield IntL.

Air

Thursday July 06, 2017

[redacted] Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Jul 06 [redacted]

Washington, DC (USA [redacted] 7/06/2017 6:00AM — Duration: Unknown Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/06/2017 7:41AM

Confirmation Number: [redacted]

Flight Information

Distance 546 miles — Emissions 212.9 lbs of CO2

No Seat Assigned — Cost 2,437.58 USD

[redacted] -Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Jul 06 [redacted]

Washington, DC (USA [redacted] 07/06/2017 6:00AM — Duration: Unknown Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/06/2017 7:41AM

Confirmation Number: [redacted]

Flight Information

Distance 546 miles — Emissions 212.9 lbs of CO2

No Seat Assigned — Cost 2,437.58 USD

[redacted] -Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Jul 06 [redacted]

Washington, DC (USA) [redacted] 07/06/2017 6:00AM — Duration: Unknown Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/06/2017 7:41AM

Confirmation Number: [redacted]

Flight Information

Distance 546 miles — Emissions 212.9 lbs of CO2

No Seat Assigned — Cost 2,437.58 USD

ATL-Atlanta, GA (USA) (H to BHM-Birmingham, AL (USA)

Jul 06 [redacted]

Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/06/2017 8:38AM — Duration: Unknown Nonstop

Birmingham, AL (USA) 07/06/2017 8:30AM

Confirmation Number: [redacted]

Flight Information

Distance 134 miles — Emissions 52.3 lbs of CO2

No Seat Assigned

ATL-Atlanta, GA (USA) (H to BHM-Birmingham, AL (USA)

Jul 06 [redacted]

Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/06/2017 8:38AM — Duration: Unknown Nonstop

Birmingham, AL (USA) 07/06/2017 8:30AM

Confirmation Number: [redacted]

Flight Information

Distance 134 miles — Emissions 52.3 lbs of CO2

No Seat Assigned

ATL-Atlanta, GA (USA) (H to BHM-Birmingham, AL (USA)

Jul 06 [redacted]

Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/06/2017 8:38AM — Duration: Unknown Nonstop

Birmingham, AL (USA) 07/06/2017 8:30AM

Confirmation Number: [redacted]

Flight Information

Distance 134 miles — Emissions 52.3 lbs of CO2

No Seat Assigned

BHM-Birmingham, AL (USA) to ATL-Atlanta, GA (USA) (H

Jul 06 [redacted]

Birmingham, AL (USA) 07/06/2017 2:54PM — Duration: Unknown Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/06/2017 5:05PM

Confirmation Number: [redacted]

Flight Information

Distance 134 miles — Emissions 52.3 lbs of CO2

No Seat Assigned

BHM-Birmingham, AL (USA) to ATL-Atlanta, GA (USA) (H

Jul 06 [redacted]

Birmingham, AL (USA) 07/06/2017 2:54PM — Duration: Unknown Nonstop

Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/06/2017 5:05PM

Confirmation Number: [redacted]

Flight Information

Distance 134 miles
No Seat Assigned

Emissions 52.3 lbs of CO2

BHM-Birmingham, AL (USA) to ATL-Atlanta, GA (USA) (H

Jul 06 [redacted]

Birmingham, AL (USA) 07/06/2017 2:54PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 07/06/2017 5:05PM

Flight Information
Distance 134 miles
No Seat Assigned

Emissions 52.3 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] Washington, DC (USA)

Jul 06 [redacted]

Atlanta, GA (USA) (Hartsfield Intl.. Apt) 07/06/2017 5:50PM
Confirmation Number [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 07/06/2017 7:49PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H t[redacted] Vashington, DC (USA)

Jul 06 [redacted]

Atlanta, GA (USA) (Hartsfield Intl.. Apt) 07/06/2017 5:50PM
Confirmation Number [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 07/06/2017 7:49PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H t[redacted] Vashington, DC (USA)

Jul 06 [redacted]

Atlanta, GA (USA) (Hartsfield Intl.. Apt) 07/06/2017 5:50PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 07/06/2017 7:49PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1

Total Non-Per Diem Expenses: 2,578.71 Total Per Diem Expenses: 44.25

Date	Description	Category	Cost	Pay Method	Per Diem
06/30/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/05/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/06/2017	Airline Flight	Com. Carrier	2,437.58	GOVCC	
07/06/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
07/06/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
07/06/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
07/11/2017	TDY Voucher Fee	Transaction Fees	14.78	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 44.25

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
07/06/2017	96.00/ 59.00	0.00	0.00	44.25	44.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	2,558.81
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	64.15

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.	2,622.96

Totals by Payment Method

GOVCC Total	2,558.81
PERSONAL Total	64.15

Document History 02/26/2018 Vch: VCH146682

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	07/11/2017	9:48AMEST	DAVIS, GWENDER G	
PREPARED	07/11/2017	9:58AMEST	DAVIS, GWENDER G	
SIGNED	07/11/2017	12:11PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	07/12/2017	6:52AMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	07/13/2017	1:31PMEST	TURNER, STEVE K	
PENDING	07/13/2017	1:31PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	07/13/2017	4:00PMEST	One, EAI User	
PENDING	07/13/2017	4:00PMEST	One, EAI User	
PAID	07/14/2017	5:00AMEST	One, EAI User	

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SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH147124
Travel Authorization Number:	TAA04NOH	Trip Name:	Trip from Washington to Atlanta, GA drive to Macon/Cochran, GA and return.
TA Date:	07/14/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator fly to Atlanta and be driven to Cochran, GA to participate in a tour, give a speech, and attend a roundtable at the Gally Branch Tree Farm.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator fly to Atlanta and be driven to Cochran, GA to participate in a tour, give a speech, and attend a roundtable at the Gally Branch Tree Farm.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
07/07/17	07/07/17	COCHRAN, GA		91.00 / 51.00

Document Totals

Total Expenses:	1,962.72
Reimbursable Expenses:	1,962.72
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	21.68
Net to Government:	.00
Pay to Charge Card:	1,941.04

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	1,899.77	.00
M&IE-PerDiem	38.25	.00
Misc Expense	9.95	.00
Transaction Fees	14.75	.00
Total Expenses:	1,962.72	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		1,846.53
COMM-CARR				.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: ATL-Atlanta, GA (USA) (Hartsfield IntL.
Air

Friday July 07, 2017

[redacted] Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Jul 07 [redacted]
Washington, DC (USA) [redacted] 07/07/2017 6:59AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/07/2017 8:50AM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2
Cost 1,846.53 USD

ATL-Atlanta, GA (USA) (H t[redacted] Washington, DC (USA)

Jul 07 [redacted]
Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/07/2017 4:47PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) ([redacted] 07/07/2017 6:45PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 1,934.47 — Total Per Diem Expenses: 38.25

Date	Description	Category	Cost	Pay Method	Per Diem
06/30/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/07/2017	Airline Flight	Com. Carrier	1,846.53	GOVCC	
07/07/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
07/07/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
07/14/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 38.25

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Cont%
07/07/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAA0110	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	1,914.52
EPAA0110	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	48.20

Totals by Label

EPAA0110	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.		1,962.72

Totals by Payment Method

GOVCC Total	1,914.52
PERSONAL Total	48.20

Document History 02/26/2018 Vch: VCH147124

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	07/14/2017	2:39PMEST	DAVIS, GWENDER G	
PREPARED	07/14/2017	2:57PMEST	DAVIS, GWENDER G	
SIGNED	07/19/2017	12:15PMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	07/19/2017	2:23PMEST	REEDER, JOHN EDWARD	
VOUCHER APPROVED	07/20/2017	12:08PMEST	JOHNSON, MARVIN J	
PENDING	07/20/2017	12:08PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	07/20/2017	2:06PMEST	Onc, EAI User	
PENDING	07/20/2017	2:06PMEST	Onc, EAI User	
PAID	07/21/2017	3:06AMEST	Onc, EAI User	

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Document Signatures

Traveler/Preparer Name:
Traveler/Preparer Signature:
Date:
Approver Name:
Approver Signature:
Date:

Document Header Information

Document Type:	Vch	Document Name:	VCH149950
Travel Authorization Number:	TAA04PPI	Trip Name:	Trip from Washington to Salt Lake City, UT then to Minneapolis, MN then to Little Rock, AR and return.
TA Date:	08/07/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	Next week the Administrator will be traveling to Utah, Minnesota, and Arkansas to meet with governors and stakeholders regarding WOTUS. (Waters of the US)
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: Next week the Administrator will be traveling to Utah, Minnesota, and Arkansas to meet with governors and stakeholders regarding WOTUS. (Waters of the US)

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
07/17/17	07/18/17	SALT LAKE CITY, UT		115.00 / 39.00
07/18/17	07/19/17	MINNEAPOLIS, MN		145.00 / 64.00
07/19/17	07/20/17	LITTLE ROCK, AR		94.00 / 59.00

Document Totals

Total Expenses:	5,768.49
Reimbursable Expenses:	5,768.49
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	5,768.49

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	4,680.04	.00
Hotel Tax	94.40	.00
Lodging-PerDiem	693.00	.00
M&IE-PerDiem	211.50	.00
Misc Expense	74.80	.00
Transaction Fees	14.75	.00
Total Expenses:	5,768.49	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		4,625.80
COMM-CARR				.00
COMM-CARR				

COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	Kimpton Hotels		Salt Lake City,UT	209.00
LODGE	Historic Hotels		Little Rock,AR	195.00
LODGE	Le Meridien		Minneapolis,MN	299.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: SLC-Salt Lake City, UT (USA)

Air

Monday July 17, 2017

[redacted] Washington, DC (USA) to SLC-Salt Lake City, UT (

Jul 17 [redacted]
Washington, DC (USA) [redacted] 07/17/2017 4:55PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Salt Lake City, UT (USA) 07/17/2017 7:40PM

Flight Information
Distance 1845 miles
No Seat Assigned

Emissions 719.5 lbs of CO2
Cost 4,626.80 USD

Hotel

Kimpton Hotels

15 West 200 South Salt Lake City UT 84101 801-595-0000

Jul 17 Checking in: 07/17/2017

Checking out: 07/18/2017
Total Rate: 209.00 USD

Air

Tuesday July 18, 2017

SLC-Salt Lake City, UT (to MSP-Minneapolis / St. Pa

Jul 18 [redacted]
Salt Lake City, UT (USA) 07/18/2017 3:14PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Minneapolis / St. Paul, MN (USA) 07/18/2017 6:50PM

Flight Information
Distance 988 miles
No Seat Assigned

Emissions 385.3 lbs of CO2

Hotel

Le Meridien

901 Hennepin Ave Minneapolis MN 55403 612-767-6900

Jul 18 Checking in: 07/18/2017

Checking out: 07/19/2017
Total Rate: 299.00 USD

Air

Wednesday July 19, 2017

MSP-Minneapolis / St. Pa to ATL-Atlanta, GA (USA) (H

Jul 19 [redacted]
Minneapolis / St. Paul, MN (USA) 07/19/2017 3:20PM
Confirmation Number: [redacted]

Duration: 2 Hours 37 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 07/19/2017 6:57PM

Flight Information
Distance 900 miles
No Seat Assigned

Emissions 353.3 lbs of CO2

ATL-Atlanta, GA (USA) (H to LIT-Little Rock, AR (USA

Jul 19 [redacted]
Atlanta, GA (USA) (Hartsfield Intl. Apt) 07/19/2017 10:44PM
Confirmation Number: [redacted]

Duration: 1 Hour 36 Minutes Nonstop
Little Rock, AR (USA) 07/19/2017 11:20PM

Flight Information
Distance 452 miles
No Seat Assigned

Emissions 176.3 lbs of CO2

Hotel

Historic Hotels

111 W Markham Little Rock AR 72201 501-374-7474

Jul 19 Checking in: 07/19/2017

Checking out: 07/20/2017
Total Rate: 195.00 USD

Air

Thursday July 20, 2017

LIT-Little Rock, AR (USA to ATL-Atlanta, GA (USA) (H

Jul 20 [redacted]

Little Rock, AR (USA) 07/20/2017 2:28PM
Confirmation Number: [redacted]

Duration: 1 Hour 42 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield Intl., Apt) 07/20/2017 5:10PM

Flight Information
Distance 452 miles
No Seat Assigned

Emissions 176.3 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] Washington, DC (USA)

Jul 20 [redacted]

Atlanta, GA (USA) (Hartsfield Intl., Apt) 07/20/2017 5:45PM
Confirmation Number: [redacted]

Duration: 1 Hour 57 Minutes Nonstop
Washington, DC (USA) ([redacted]) 07/20/2017 7:42PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H to [redacted] Washington, DC (USA)

Jul 20 [redacted]

Atlanta, GA (USA) (Hartsfield Intl., Apt) 07/20/2017 7:05PM
Confirmation Number: [redacted]

Duration: 1 Hour 55 Minutes Nonstop
Washington, DC (USA) ([redacted]) 07/20/2017 9:00PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] Washington, DC (USA)

Jul 20 [redacted]

Atlanta, GA (USA) (Hartsfield Intl., Apt) 07/20/2017 10:10PM
Confirmation Number: [redacted]

Duration: 1 Hour 47 Minutes Nonstop
Washington, DC (USA) ([redacted]) 07/20/2017 11:57PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1

Total Non-Per Diem Expenses: 4,863.99 Total Per Diem Expenses: 904.50

Date	Description	Category	Cost	Pay Method	Per Diem
07/14/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/17/2017	Airline Flight	Com. Carrier	4,626.80	GOVCC	
07/17/2017	Hotel Tax (CONUS Only)	Hotel Tax	25.07	GOVCC	
07/17/2017	Lodging	Lodging-PerDiem	199.00	GOVCC	*
Comment:	Conf Num: CI292ARW Cmt:				
07/17/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
07/17/2017	Internet Connection Fees	Misc Expense	29.95	PERSONAL	
07/18/2017	Hotel Tax (CONUS Only)	Hotel Tax	40.87	GOVCC	
07/18/2017	Lodging	Lodging-PerDiem	299.00	GOVCC	*
Comment:	Conf Num: I22165397 Cmt:				
07/18/2017	M&IE	M&IE-PerDiem	64.00	PERSONAL	*
07/18/2017	Internet Connection Fees	Misc Expense	16.95	PERSONAL	
07/19/2017	Hotel Tax (CONUS Only)	Hotel Tax	29.26	GOVCC	
07/19/2017	Lodging	Lodging-PerDiem	195.00	GOVCC	*
Comment:	Conf Num: 26842SB063780 Cmt:				
07/19/2017	M&IE	M&IE-PerDiem	59.00	PERSONAL	*
07/19/2017	Internet Connection Fees	Misc Expense	17.95	PERSONAL	
07/20/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
07/20/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
08/07/2017	TDY-Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 904.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf#
07/17/2017	115.00/ 59.00	199.00	199.00	44.25	44.25	
07/18/2017	145.00/ 64.00	299.00	299.00	64.00	64.00	
07/19/2017	94.00/ 59.00	195.00	195.00	59.00	59.00	
07/20/2017	94.00/ 59.00	0.00	0.00	44.25	44.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	5,482.19
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	286.30

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.	5,768.49

Totals by Payment Method

GOVCC Total	5,482.19
PERSONAL Total	286.30

Document History 02/26/2018 Vch: VCH149950

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	08/07/2017	11:42AMEST	DAVIS, GWENDER G	
PREPARED	08/07/2017	12:28PMEST	DAVIS, GWENDER G	
SIGNED	08/10/2017	11:19AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	08/10/2017	3:01PMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	08/11/2017	12:46PMEST	TURNER, STEVE K	
PENDING	08/11/2017	12:46PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	08/11/2017	3:00PMEST	One, EAI User	
PENDING	08/11/2017	3:00PMEST	One, EAI User	
PAID	08/14/2017	5:00AMEST	One, EAI User	

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SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH148483
Travel Authorization Number:	TAA04PT9	Trip Name:	Trip from Washington to Charleston, SC and return.
TA Date:	07/26/17	Currency:	USD
Organization:	EPAAO1110	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be traveling to Charleston as part of his ongoing WOTUS tour.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO1110	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will be traveling to Charleston as part of his ongoing WOTUS tour.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
07/24/17	07/24/17	CHARLESTON, SC		178.00 / 69.00

Document Totals

Total Expenses:	1,644.11
Reimbursable Expenses:	1,644.11
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	20.19
Net to Government:	.00
Pay to Charge Card:	1,623.92

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	1,260.88	.00
Hotel Tax	37.68	.00
Lodging-PerDiem	269.10	.00
M&IE-PerDiem	51.75	.00
Misc Expense	9.95	.00
Transaction Fees	14.75	.00
Total Expenses:	1,644.11	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		1,074.40
COMM-CARR				.00

Trip Itinerary

From: [redacted] Vashington, DC (USA) ([redacted] TO: CLT-Charlotte, NC (USA)

Air

Monday July 24, 2017

[redacted] Washington, DC (USA) to CHS-Charleston, SC (USA)

Jul 24 [redacted]
Washington, DC (USA) [redacted] 07/24/2017 7:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Charleston, SC (USA) 07/24/2017 8:33AM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2
Cost 1,074.40 USD

[redacted] Washington, DC (USA) to CHS-Charleston, SC (USA)

Jul 24 [redacted]
Washington, DC (USA) [redacted] 07/24/2017 7:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Charleston, SC (USA) 07/24/2017 8:33AM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2
Cost 1,074.40 USD

[redacted] Washington, DC (USA) to CHS-Charleston, SC (USA)

Jul 24 [redacted]
Washington, DC (USA) [redacted] 07/24/2017 7:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Charleston, SC (USA) 07/24/2017 8:33AM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2
Cost 1,074.40 USD

[redacted] Washington, DC (USA) to CHS-Charleston, SC (USA)

Jul 24 [redacted]
Washington, DC (USA) [redacted] 07/24/2017 7:00AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Charleston, SC (USA) 07/24/2017 8:33AM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2
Cost 1,074.40 USD

CHS-Charleston, SC (USA) to [redacted] Washington, DC (USA)

Jul 24 [redacted]
Charleston, SC (USA) 07/24/2017 2:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 07/24/2017 3:59PM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2

CHS-Charleston, SC (USA) [redacted] Washington, DC (USA)

Jul 24 [redacted]
Charleston, SC (USA) 07/24/2017 2:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 07/24/2017 3:59PM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2

CHS-Charleston, SC (USA) to [redacted] Washington, DC (USA)

Jul 24 [redacted]
Charleston, SC (USA) 07/24/2017 2:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 07/24/2017 3:59PM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2

CHS-Charleston, SC (USA) to [redacted] Washington, DC (USA)

Jul 24 [redacted]
Charleston, SC (USA) 07/24/2017 2:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 07/24/2017 3:59PM

Flight Information
Distance 444 miles
No Seat Assigned

Emissions 173.2 lbs of CO2

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 1,323.26 — Total Per Diem Expenses: 320.85

Date	Description	Category	Cost	Pay Method	Per Diem
07/21/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/21/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/24/2017	Airline Flight	Com. Carrier	1,074.40	GOVCC	
07/24/2017	Airline Flight	Com. Carrier	80.00	GOVCC	
07/24/2017	Hotel Tax (CONUS Only)	Hotel Tax	37.68	GOVCC	
07/24/2017	Lodging	Lodging-PerDiem	269.10	GOVCC	*
07/24/2017	M&IE	M&IE-PerDiem	51.75	PERSONAL	*
07/24/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
07/26/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 320.85

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D	Conf%
07/24/2017	178.00/ 69.00	269.10	269.10	51.75	51.75		

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	1,582.41
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	61.70

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.	1,644.11

Totals by Payment Method

GOVCC Total	1,582.41
PERSONAL Total	61.70

Document History 02/26/2018 Vch: VCH148483

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	07/26/2017	9:33AMEST	DAVIS, GWENDER G	
PREPARED	07/26/2017	9:54AMEST	DAVIS, GWENDER G	
PREPARED	07/26/2017	10:19AMEST	DAVIS, GWENDER G	
SIGNED	07/26/2017	11:17AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	07/26/2017	12:23PMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	07/27/2017	6:16AMEST	PENNINGTON, SHAUN	
PENDING	07/27/2017	6:16AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	07/27/2017	8:07AMEST	Onc, EAI User	
PENDING	07/27/2017	8:07AMEST	Onc, EAI User	
PAID	07/27/2017	10:07AMEST	Onc, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name:
Traveler/Preparer Signature:
Date:
Approver Name:
Approver Signature:
Date:

Document Header Information

Document Type: Vch		Document Name:	VCH149884
Travel Authorization Number:	TAA04RAF	Trip Name:	Trip from Washington to Tulsa, OK; Hooker, OK, Guymon, OK; Oklahoma City, OK and return.
TA Date:	08/07/17	Currency:	USD
Organization:	EPAAO1HO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	This trip will be a continuation of the Administrator's State Action Tour. He will be visiting Tulsa, OKC, and Guymon. He will be chartered from Tulsa to Guymon and Guymon to OKC on the 27th. He will then be driven from OKC to Tulsa on the 27th and return on 7/29. Please note: there is no lodging costs to EPA at all for this trip. On the 28th - he will drive from Tulsa to OKC and back that evening.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO1HO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1300 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: This trip will be a continuation of the Administrator's State Action Tour. He will be visiting Tulsa, OKC, and Guymon. He will be chartered from Tulsa to Guymon and Guymon to OKC on the 27th. He will then be driven from OKC to Tulsa on the 27th and return on 7/29. Please note: there is no lodging costs to EPA at all for this trip. On the 28th - he will drive from Tulsa to OKC and back that evening.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
07/26/17	07/30/17	TULSA, OK		91.00 / 51.00

Document Totals

Total Expenses:	2,933.23
Reimbursable Expenses:	2,933.23
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	136.79
Net to Government:	.00
Pay to Charge Card:	2,796.44

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	2,710.08	.00
M&IE-PerDiem	178.50	.00
Misc Expense	29.90	.00
Transaction Fees	14.75	.00
Total Expenses:	2,933.23	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		2,603.60
COMM-CARR				

COMM-CARR [redacted] 00
COMM-CARR [redacted] 00

Trip Itinerary

From [redacted]-Washington, DC (USA) [redacted] TO: ATL-Atlanta, GA (USA) (Hartsfield IntL.

Air

Wednesday July 26, 2017

[redacted]-Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Jul 26 [redacted]
Washington, DC (USA) [redacted] 07/26/2017 8:25AM
Confirmation Number: [redacted]

Duration: 1 Hour 46 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/26/2017 10:11AM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2
Cost 2,603.60 USD

ATL-Atlanta, GA (USA) (H to TUL-Tulsa, OK (USA) (Int

Jul 26 [redacted]
Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/26/2017 11:51AM
Confirmation Number: [redacted]

Duration: 1 Hour 59 Minutes Nonstop
Tulsa, OK (USA) (IntL. Apt) 07/26/2017 12:30PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

Saturday July 29, 2017

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Jul 29 [redacted]
Tulsa, OK (USA) (IntL. Apt) 07/29/2017 4:00PM
Confirmation Number: [redacted]

Duration: 2 Hours 3 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/29/2017 7:03PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

ATL-Atlanta, GA (USA) (H to [redacted]-Washington, DC (USA)

Jul 29 [redacted]
Atlanta, GA (USA) (Hartsfield IntL. Apt) 07/29/2017 7:55PM
Confirmation Number: [redacted]

Duration: 1 Hour 56 Minutes Nonstop
Washington, DC (USA) [redacted] 07/29/2017 9:51PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 2,754.73 Total Per Diem Expenses: 178.50

Date	Description	Category	Cost	Pay Method	Per Diem
07/24/2017	Travel Fee	Com Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/25/2017	Travel Fee	Com Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/26/2017	Airline Flight	Com Carrier	2,603.60	GOVCC	
07/26/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
07/26/2017	Internet Connection Fees	Misc Expense	10.00	PERSONAL	
07/26/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
07/27/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
07/28/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
07/30/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
07/30/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
08/07/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 178.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
07/26/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	
07/27/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
07/28/2017	91.00/ 51.00	0.00	0.00	51.00	51.00	
07/29/2017	91.00/ 51.00	0.00	0.00	0.00	0.00	
07/30/2017	91.00/ 51.00	0.00	0.00	38.25	38.25	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	COVCC	2,724.83
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	208.40

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.		2,933.23

Totals by Payment Method

COVCC Total	2,724.83
PERSONAL Total	208.40

Document History 02/26/2018 Vch: VCH149884

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	08/07/2017	7:52AMEST	DAVIS, GWENDER G	
PREPARED	08/07/2017	8:06AMEST	DAVIS, GWENDER G	
SIGNED	08/07/2017	8:50AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	08/07/2017	9:13AMEST	REEDER, JOHN EDWARD	
VOUCHER APPROVED	08/09/2017	6:36AMEST	COX, ANGELA D	
PENDING	08/09/2017	6:36AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	08/09/2017	9:00AMEST	One, EAI User	
PENDING	08/09/2017	9:00AMEST	One, EAI User	
PAID	08/09/2017	12:00PMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH153568-1
Travel Authorization Number:	TAA048CO	Trip Name:	Washington, DC to Evansville, IN to Denver, CO to Durango, CO to Tulsa, OK to Des Moines, IA to Fargo, ND to Grand Forks, ND to Dallas, TX then back to Tulsa for vacation.
TA Date:	09/05/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	COMPLETED
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator plans to meet with Indiana State Governor Eric Holcomb, along with other state officials. The Administrator will also tour a farm that was affected by the WOTUS ruling as well as a mine; then The Administrator will conduct meetings and a tour at a coal production facility. In addition, he will visit a ranch to discuss WOTUS with local farmers; then The Administrator will travel to Gold King Mine and tour the site with Governor Hickenlooper and other state officials. He will then conduct meetings with the state officials concluding the tour. He will then finish up the trip with a meeting in Denver. Please note: this traveler will fly himself home to Tulsa, OK from Denver, CO. then Tulsa, OK to DesMoines, IA; Governor has invited the Administrator and a couple members of his team to travel via state plane from Fargo to Grand Forks on Wednesday, August 9th in order to stick to a tight schedule. Please note: The Administrator was scheduled to be at Gold King Mine for a tour and meeting beginning at 11am. His flight was scheduled to land in Durango (1 hour, 45 min) from Gold King at 9:10am. The traveling staff did not learn of the delay until arrival at the airport in Denver that morning. The flights continued to be delayed, all the while we searched for alternative options. None became available and with no indication for an immediate depart for the already scheduled commercial flight, the decision was made to pursue a charter plane in order to fulfill the mission of the agency per the President.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator plans to meet with Indiana State Governor Eric Holcomb, along with other state officials. The Administrator will also tour a farm that was affected by the WOTUS ruling as well as a mine; then The Administrator will conduct meetings and a tour at a coal production facility. In addition, he will visit a ranch to discuss WOTUS with local farmers; then The Administrator will travel to Gold King Mine and tour the site with Governor Hickenlooper and other state officials. He will then conduct meetings with the state officials concluding the tour. He will then finish up the trip with a meeting in Denver. Please note: this traveler will fly himself home to Tulsa, OK from Denver, CO. then Tulsa, OK to DesMoines, IA; Governor has invited the Administrator and a couple members of his team to travel via state plane from Fargo to Grand Forks on Wednesday, August 9th in order to stick to a tight schedule. Please note: The Administrator was scheduled to be at Gold King Mine for a tour and meeting beginning at 11am. His flight was scheduled to land in Durango (1 hour, 45 min) from Gold King at 9:10am. The traveling staff did not learn of the delay until arrival at the airport in Denver that morning. The flights continued to be delayed, all the while we searched for alternative options. None became available and with no indication for an immediate depart for the already scheduled commercial flight, the decision was made to pursue a charter plane in order to fulfill the mission of the agency per the President.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
08/02/17	08/04/17	DENVER, CO		178.00 / 69.00
08/04/17	08/07/17	TULSA, OK		91.00 / 51.00
08/07/17	08/08/17	URBANDALE, IA	2-INFORMATIONAL MEETING	107.00 / 59.00
08/08/17	08/09/17	WEST FARGO, ND	2-INFORMATIONAL MEETING	91.00 / 51.00
08/09/17	08/10/17	DALLAS, TX	2-INFORMATIONAL MEETING	135.00 / 64.00

Document Totals

Total Expenses:	12,872.33
Reimbursable Expenses:	12,872.33
Non-Reimbursable Expenses:	.00
Advance Applied:	.00

Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	12,872.33

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	10,850.80	.00
Hotel Tax	199.61	.00
Lodging-PerDiem	1,376.00	.00
M&IE-PerDiem	393.75	.00
Misc Expense	42.67	.00
Transaction Fees	29.50	.00
Total Expenses:	12,872.33	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		964.40
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	BT Advantage		Denver,CO	760.00

Trip Itinerary

No Itinerary Available

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 11,102.58 Total Per Diem Expenses: 1,769.75

Date	Description	Category	Cost	Pay Method	Per Diem
07/28/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
07/31/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
08/02/2017	Airline Flight	Com. Carrier	2,131.50	GOVCC	
08/02/2017	Airline Flight	Com. Carrier	2,847.40	GOVCC	
08/02/2017	Airline Flight	Com. Carrier	5,692.08	GOVCC	
08/02/2017	Hotel Tax (CONUS Only)	Hotel Tax	79.00	GOVCC	
08/02/2017	Lodging	Lodging-PerDiem	380.00	GOVCC	*
Comment:	Conf Num: [redacted] Cnt:				
08/02/2017	M&IE	M&IE-PerDiem	51.75	PERSONAL	*
08/03/2017	TMC Fee	Com. Carrier	53.24	GOVCC	
08/03/2017	Hotel Tax (CONUS Only)	Hotel Tax	79.00	GOVCC	
08/03/2017	Lodging	Lodging-PerDiem	380.00	GOVCC	*
Comment:	Conf Num: [redacted] Cnt:				
08/03/2017	M&IE	M&IE-PerDiem	69.00	PERSONAL	*
08/03/2017	Internet Connection Fees	Misc Expense	21.95	PERSONAL	
08/04/2017	Lodging	Lodging-PerDiem	91.00	GOVCC	*
08/04/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
08/05/2017	Lodging	Lodging-PerDiem	91.00	GOVCC	*
08/05/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
08/06/2017	Lodging	Lodging-PerDiem	91.00	GOVCC	*
08/06/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
08/07/2017	Hotel Tax (CONUS Only)	Hotel Tax	12.84	GOVCC	
08/07/2017	Lodging	Lodging-PerDiem	107.00	GOVCC	*
08/07/2017	M&IE	M&IE-PerDiem	59.00	PERSONAL	*
08/07/2017	Internet Connection Fees	Misc Expense	10.77	PERSONAL	
08/08/2017	Hotel Tax (CONUS Only)	Hotel Tax	10.61	GOVCC	
08/08/2017	Lodging	Lodging-PerDiem	101.00	GOVCC	*
08/08/2017	M&IE	M&IE-PerDiem	51.00	PERSONAL	*
08/09/2017	Hotel Tax (CONUS Only)	Hotel Tax	18.16	GOVCC	

08/09/2017	Lodging	Lodging-PerDiem	135.00	GOVCC	*
08/09/2017	M&IE	M&IE-PerDiem	64.00	PERSONAL	*
08/10/2017	M&IE	M&IE-PerDiem	48.00	PERSONAL	*
08/10/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
09/05/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	
09/18/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 1,769.75

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
08/02/2017	178.00/ 69.00	380.00	380.00	51.75	51.75	
08/03/2017	178.00/ 69.00	380.00	380.00	69.00	69.00	
08/04/2017	91.00/ 51.00	91.00	91.00	51.00	51.00	
08/05/2017	91.00/ 51.00	91.00	91.00	51.00	0.00	
08/06/2017	91.00/ 51.00	91.00	91.00	51.00	0.00	
08/07/2017	107.00/ 59.00	107.00	107.00	59.00	59.00	
08/08/2017	91.00/ 51.00	101.00	101.00	51.00	51.00	
08/09/2017	135.00/ 64.00	135.00	135.00	64.00	64.00	
08/10/2017	135.00/ 64.00	0.00	0.00	48.00	48.00	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	12,435.91
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	436.42

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.	12,872.33

Totals by Payment Method

GOVCC Total	12,435.91
PERSONAL Total	436.42

Document History 02/26/2018 Veh: VCH153568-1

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	09/18/2017	1:28PMEST	DAVIS, GWENDER G	
PREPARED	09/18/2017	1:50PMEST	DAVIS, GWENDER G	
SIGNED	09/19/2017	5:01AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	09/19/2017	5:22AMEST	ALLEN, REGINALD E	
ADJUSTED	09/19/2017	5:35AMEST	PENNINGTON, SHAUN	
COMPLETED	09/19/2017	5:45AMEST	PENNINGTON, SHAUN	

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE

Document Signatures

Traveler/Preparer Name:
Traveler/Preparer Signature:
Date:
Approver Name:
Approver Signature:
Date:

Document Header Information

Document Type:	Vch	Document Name:	VCH154686
Travel Authorization Number:	TAA04W28	Trip Name:	Trip from Tulsa to Corpus Christi, TX and return.
TA Date:	09/14/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The administrator will be traveling to Corpus Christi to meet with Corpus Christi Mayor Joe McComb to hear firsthand the challenges facing the communities impacted by the hurricane and help assist remove any barriers to progress and recovery. The administrator will also be visiting the port of Corpus Christi emergency operations center as well as the city/county emergency operations center; then to fulfill his duties and respond to the to the catastrophic damage and flooding due to Hurricane Harvey.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The administrator will be traveling to Corpus Christi to meet with Corpus Christi Mayor Joe McComb to hear firsthand the challenges facing the communities impacted by the hurricane and help assist remove any barriers to progress and recovery. The administrator will also be visiting the port of Corpus Christi emergency operations center as well as the city/county emergency operations center; then to fulfill his duties and respond to the to the catastrophic damage and flooding due to Hurricane Harvey.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
08/30/17	08/30/17	CORPUS CHRISTI, TX	2-INFORMATIONAL MEETING	106.00 / 59.00

Document Totals

Total Expenses:	3,931.11
Reimbursable Expenses:	3,931.11
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	3,931.11

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	3,916.36	.00
Transaction Fees	14.75	.00
Total Expenses:	3,931.11	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		2,401.60
COMM-CARR				

COMM-CARR	[redacted]	[redacted]	.00
COMM-CARR			.00
COMM-CARR			.00

Trip Itinerary No Itinerary Available

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 3,931.11 Total Per Diem Expenses: .00

Date	Description	Category	Cost	Pay Method	Per Diem
08/25/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
08/25/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
08/29/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
08/30/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
08/30/2017	Airline Flight	Com. Carrier	2,401.60	GOVCC	
08/30/2017	Airline Flight	Com. Carrier	1,301.80	GOVCC	
09/14/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: .00

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D	Conf%
08/30/2017	106.00/ 59.00	0.00	0.00	0.00	0.00		

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	3,931.11

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.		3,931.11

Totals by Payment Method

GOVCC Total	3,931.11

Document History 02/26/2018 Vch: VCH154686

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	09/14/2017	7:42AMEST	PENNINGTON, SHAUN	
PREPARED	09/14/2017	7:58AMEST	DAVIS, GWENDER G	
SIGNED	09/14/2017	11:26AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	09/14/2017	11:38AMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	09/18/2017	7:31AMEST	TURNER, STEVE K	
PENDING	09/18/2017	7:31AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	09/18/2017	10:00AMEST	One, EAI User	
PENDING	09/18/2017	10:00AMEST	One, EAI User	
PAID	09/18/2017	1:00PMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: .....
Approver Signature: .....
Date: .....

Document Header Information

Document Type:	Vch	Document Name:	VCH154793
Travel Authorization Number:	TAA04RKC	Trip Name:	Trip from Washington to Sydney
TA Date:	09/14/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be meeting with the Ministry of Environment and Energy and the New South Wales Government to discuss information best practices regarding the environmental operations within Australia. This trip was cancelled before this traveler was able to leave. However there was a $600.00 penalty for flight cancellation and there were hotel cancellations as well with TMC fees.
Type Code:	FOREIGN TRAVEL		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will be meeting with the Ministry of Environment and Energy and the New South Wales Government to discuss information best practices regarding the environmental operations within Australia. This trip was cancelled before this traveler was able to leave. However there was a $600.00 penalty for flight cancellation and there were hotel cancellations as well with TMC fees.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
08/31/17	09/05/17	SYDNEY, AUS	2-INFORMATIONAL MEETING	240.00 / 154.00
09/06/17	09/08/17	MELBOURNE, AUS	2-INFORMATIONAL MEETING	206.00 / 159.00

Document Totals

Total Expenses:	1,926.93
Reimbursable Expenses:	1,926.93
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	1,926.93

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	653.24	.00
Lodging-PerDiem	1,230.34	.00
Misc Expense	28.60	.00
Transaction Fees	14.75	.00
Total Expenses:	1,926.93	.00

Trip 1 Details

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 696.59 Total Per Diem Expenses: 1,230.34

Date	Description	Category	Cost

08/18/2017	Travel Fee	Com Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
08/29/2017	Currency Conversion Fees	Misc Expense	8.25	PERSONAL	
08/29/2017	Currency Conversion Fees	Misc Expense	4.06	PERSONAL	
08/31/2017	Airline Flight	Com Carrier	603.00	GOVCC	
08/31/2017	Visa Fees(International)	Misc Expense	16.13	PERSONAL	
08/31/2017	Currency Conversion Fees	Misc Expense	.16	PERSONAL	
09/02/2017	Lodging	Lodging-PerDiem	206.18	GOVCC	*
09/03/2017	Lodging	Lodging-PerDiem	206.19	GOVCC	*
09/04/2017	Lodging	Lodging-PerDiem	206.19	GOVCC	*
09/05/2017	Lodging	Lodging-PerDiem	206.19	GOVCC	*
09/06/2017	Lodging	Lodging-PerDiem	202.79	GOVCC	*
09/07/2017	Lodging	Lodging-PerDiem	202.80	GOVCC	*
09/14/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 1,230.34

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
08/31/2017	240.00/154.00	0.00	0.00	0.00	0.00	
09/01/2017	240.00/157.00	0.00	0.00	0.00	0.00	
09/02/2017	240.00/157.00	206.18	206.18	0.00	0.00	
09/03/2017	240.00/157.00	206.19	206.19	0.00	0.00	
09/04/2017	240.00/157.00	206.19	206.19	0.00	0.00	
09/05/2017	206.00/159.00	206.19	206.19	0.00	0.00	
09/06/2017	206.00/159.00	202.79	202.79	0.00	0.00	
09/07/2017	206.00/159.00	202.80	202.80	0.00	0.00	
09/08/2017	206.00/159.00	0.00	0.00	0.00	0.00	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	1,898.33
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	28.60

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.	1,926.93

Totals by Payment Method

GOVCC Total	1,898.33
PERSONAL Total	28.60

Document History 02/26/2018 Vch: VCH154793

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	09/14/2017	12:57PMEST	DAVIS, GWENDER G	
PREPARED	09/14/2017	1:25PMEST	DAVIS, GWENDER G	
SIGNED	09/15/2017	7:25AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	09/15/2017	7:54AMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	09/18/2017	12:13PMEST	TURNER, STEVE K	
PENDING	09/18/2017	12:14PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	09/18/2017	3:00PMEST	One, EAI User	
PENDING	09/18/2017	3:00PMEST	One, EAI User	
PAID	09/19/2017	6:00AMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: .....
Approver Signature: .....
Date: .....

Document Header Information

Document Type:	Vch	Document Name:	VCH156103
Travel Authorization Number:	TAA05053	Trip Name:	Washington, DC to Camp David, MD and return.
TA Date:	09/22/17	Currency:	USD
Organization:	EPAAO1HO	Current Status:	PAID
Purpose:	9-OTHER TRAVEL	Document Detail:	The Administrator and his wife have been invited by the President and First Lady to participate in upcoming cabinet meeting on September 9 - 10, 2017 at Camp David. An agenda has been prepared for both that will include meetings and discussions regarding the EPA as well as this Administration. Transportation will be provided by the White House.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO1HO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator and his wife have been invited by the President and First Lady to participate in upcoming cabinet meeting on September 9 - 10, 2017 at Camp David. An agenda has been prepared for both that will include meetings and discussions regarding the EPA as well as this Administration. Transportation will be provided by the White House.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
09/09/17	09/10/17	THURMONT, MD	9-OTHER TRAVEL	98.00 / 59.00

Document Totals

Total Expenses:	24.75
Reimbursable Expenses:	24.75
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	10.00
Net to Government:	.00
Pay to Charge Card:	14.75

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
M&IE-PerDiem	10.00	.00
Transaction Fees	14.75	.00
Total Expenses:	24.75	.00

Trip 1 Details

Expenses

Trip#: 1 Total Non-Per Diem Expenses: 14.75 Total Per Diem Expenses: 10.00

Date	Description	Category	Cost	Pay Method	Per Diem
09/09/2017	M&IE	M&IE-PerDiem	5.00	PERSONAL	*
09/10/2017	M&IE	M&IE-PerDiem	5.00	PERSONAL	*
09/22/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVERA Voucher Production March 2018 P.79	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 10.00

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B	L	D	Cost%
09/09/2017	98.00/ 59.00	0.00	0.00	5.00	5.00	X	X	X	
09/10/2017	98.00/ 59.00	0.00	0.00	5.00	5.00	X	X	X	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	14.75
EPAAO11IO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	10.00

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.		24.75

Totals by Payment Method

GOVCC Total	14.75
PERSONAL Total	10.00

Document History 02/26/2018 Veh: VCH156103

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	09/22/2017	11:09AMEST	DAVIS, GWENDER G	
PREPARED	09/22/2017	11:15AMEST	DAVIS, GWENDER G	
SIGNED	09/25/2017	7:14AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	09/25/2017	7:24AMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	09/26/2017	2:58PMEST	RUEHL, JASON Drew	
PENDING	09/26/2017	2:58PMEST	SYSUTILITY	
OFFSETTING OBLIGATED	09/27/2017	4:00AMEST	One, EA1 User	
PENDING	09/27/2017	4:00AMEST	One, EA1 User	
PAID	09/27/2017	7:00AMEST	One, EA1 User	

I certify that the electronic signatures listed above are valid and on file

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SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH156963
Travel Authorization Number:	TAA04ZV1	Trip Name:	Trip from Washington to Houston, TX , Tulsa, OK, then NY and return.
TA Date:	09/28/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be traveling to Houston to participate in a roundtable at Huntsman Advanced Technology company and will also be visiting the San Jacinto Superfund Site. He will be accompanied by state and local officials as well as EPA staff from the region; then he will fly home to Tulsa on out of pocket and stay the weekend no extra costs to EPA; then fly from Tulsa, OK the Administrator will be traveling to New York to participate in a discussion at the Concordia Annual Summit. He will discuss the current state of the EPA. He will also participate in various media interviews. Cost comparison shows that is cost effective for this traveler to leave from Tulsa to LGA for $1201.80 vs. DCA to NY for $1250.20.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator will be traveling to Houston to participate in a roundtable at Huntsman Advanced Technology company and will also be visiting the San Jacinto Superfund Site. He will be accompanied by state and local officials as well as EPA staff from the region; then he will fly home to Tulsa on out of pocket and stay the weekend no extra costs to EPA; then fly from Tulsa, OK the Administrator will be traveling to New York to participate in a discussion at the Concordia Annual Summit. He will discuss the current state of the EPA. He will also participate in various media interviews. Cost comparison shows that is cost effective for this traveler to leave from Tulsa to LGA for $1201.80 vs. DCA to NY for $1250.20.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
09/14/17	09/15/17	HOUSTON, TX	2-INFORMATIONAL MEETING	135.00 / 59.00
09/15/17	09/18/17	TULSA, OK	9-OTHER TRAVEL	91.00 / 51.00
09/18/17	09/19/17	MANHATTAN, NY	2-INFORMATIONAL MEETING	301.00 / 74.00

Document Totals

Total Expenses:	4,406.64
Reimbursable Expenses:	4,406.64
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	4,406.64

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	3,382.94	.00
Lodging-PerDiem	804.00	.00
M&IE PerDiem	193.50	.00
Misc Expense	11.45	.00
Transaction Fees	14.75	.00
Total Expenses:	4,406.64	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		3,329.70
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	Treff Hotels		Houston,TX	135.00
LODGE	Villager		New York,NY	669.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: ATL-Atlanta, GA (USA) (Hartsfield IntL.

Air

Thursday September 14, 2017

[redacted] Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Sep 14 [redacted]
Washington, DC (USA [redacted] 09/14/2017 4:15PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 09/14/2017 6:09PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2
Cost 3,329.70 USD

ATL-Atlanta, GA (USA) (H to IAH-Houston, TX (USA) (B

Sep 14 [redacted]
Atlanta, GA (USA) (Hartsfield IntL. Apt) 09/14/2017 7:10PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Houston, TX (USA) (Bush Intercontinental 09/14/2017 8:20PM

Flight Information
Distance 688 miles
No Seat Assigned

Emissions 268.3 lbs of CO2

Hotel

Treff Hotels

1100 Texas Avenue Houston TX 77002 713-221-0011

Sep 14 Checking in: 09/14/2017

Checking out: 09/15/2017
Total Rate: 135.00 USD

Air

Monday September 18, 2017

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Sep 18 [redacted]
Tulsa, OK (USA) (IntL. Apt) 09/18/2017 10:00AM
Confirmation Number: [redacted]

Duration: 1 Hour 59 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 09/18/2017 12:59PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] New York, NY (USA) (

Sep 18 Delta 2446
Atlanta, GA (USA) (Hartsfield IntL. Apt) 09/18/2017 2:30PM
Confirmation Number: [redacted]

Duration: 2 Hours 19 Minutes Nonstop
New York, NY (USA) [redacted] 09/18/2017 4:49PM

Flight Information
Distance 761 miles
No Seat Assigned

Emissions 296.8 lbs of CO2

Hotel

Villager

70 W 45th St New York NY 10036 212-302-8700

Sep 18 Checking in: 09/18/2017 — Checking out: 09/19/2017

Total Rate: 669.00 USD

Air

Tuesday September 19, 2017

[redacted] **New York, NY (USA) (t[redacted] Washington, DC (USA)**

Sep 19 Delta 6153 — Duration: 1 Hour 25 Minutes Nonstop

New York, NY (USA) [redacted] 09/19/2017 5:00PM — Washington, DC (USA) [redacted] 09/19/2017 6:25PM

Confirmation Number: [redacted]

Flight Information

Distance 214 miles — Emissions 83.5 lbs of CO2

No Seat Assigned

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 3,409.14 — Total Per Diem Expenses: 997.50

Date	Description	Category	Cost	Pay Method	Per Diem
09/12/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
09/14/2017	Airline Flight	Com. Carrier	3,329.70	GOVCC	
09/14/2017	Lodging	Lodging-PerDiem	135.00	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
09/14/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
09/14/2017	Internet Connection Fees	Misc Expense	4.95	PERSONAL	
09/15/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
09/18/2017	Lodging	Lodging-PerDiem	669.00	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
09/18/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
09/18/2017	Internet Connection Fees	Misc Expense	6.50	PERSONAL	
09/19/2017	M&IE	M&IE-PerDiem	55.50	PERSONAL	*
09/28/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 997.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D	Conf%
09/14/2017	135.00/ 59.00	135.00	135.00	44.25	44.25		
09/15/2017	91.00/ 51.00	0.00	0.00	38.25	38.25		
09/16/2017	91.00/ 51.00	0.00	0.00	0.00	0.00		
09/17/2017	91.00/ 51.00	0.00	0.00	0.00	0.00		
09/18/2017	301.00/ 74.00	669.00	669.00	55.50	55.50		
09/19/2017	301.00/ 74.00	0.00	0.00	55.50	55.50		

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO1HO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	GOVCC	4,201.69
EPAAO1HO	17 OA IO ACCOUNT	A7T.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	204.95

Totals by Label

EPAAO1HO	17 OA IO ACCOUNT Total	A7T.20172018.B.11A.ZZZME8.MN111100.	4,406.64

Totals by Payment Method

GOVCC Total	4,201.69
PERSONAL Total	204.95

Document History 02/26/2018 Vch: VCH156963

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	09/28/2017	7:26AMEST	DAVIS, GWENDER G	
PREPARED	09/28/2017	10:51AMEST	DAVIS, GWENDER G	
SIGNED	09/28/2017	11:59AMEST	PRUITT, EDWARD SCOTT	

ADJUSTED	09/28/2017	1:24PMEST	DAVIS, GWENDER G
PREPARED	09/28/2017	2:35PMEST	DAVIS, GWENDER G
ADJUSTED	10/02/2017	4:40AMEST	PRUITT, EDWARD SCOTT
SIGNED	10/02/2017	4:40AMEST	PRUITT, EDWARD SCOTT
AUTHORIZED	10/02/2017	8:07AMEST	ALLEN, REGINALD E
ADJUSTED	10/04/2017	12:15PMEST	FITZPATRICK, SAMUEL C
VOUCHER APPROVED	10/04/2017	12:16PMEST	FITZPATRICK, SAMUEL C
PENDING	10/04/2017	12:16PMEST	SYSUTILITY
OFFSETTING OBLIGATED	10/04/2017	2:04PMEST	One, EAI User
PENDING	10/04/2017	2:04PMEST	One, EAI User
PAID	10/05/2017	3:04AMEST	One, EAI User

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH160-94
Travel Authorization Number:	TAA052XF	Trip Name:	Trip from Washington to Cincinnati, OH to Colorado Springs, CO to Phoeniz, AZ then fro Tulsa, Ok to Lexingon, KY and back to DCA.
TA Date:	10/23/17	Currency:	USD
Organization:	EPAAO1HO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be flying to Cincinnati, OH to visit the GE Additive Technology Center where he will be given a tour and meet with executives from the facility; then he will be traveling to Colorado Springs to speak at the Colorado Association of Home builders to discuss issues surrounding the Waters of the United States and other environmental issues; then he will travel to Arizona to meet with the Governor and other state and local officials and then speak at the Arizona Manufacture's Council; then he will fly home to Tulsa for the weekend and then travel to Kentucky to meet with Senate Majority Leader Mitch McConnell. They will be attending events several agriculture events through the eastern part of Kentucky. Cost comparison shows that if the administrator were to travel from DC to Cincinnati, OH to Colorado Springs to Phoenix and back to DC for $4337.00 then DC to Lexington, KY and return to DC for $1837.60 totaling $6174.60. It is cost effective for the government to fly him from DC to Cincinnati, OH to Colorado Springs, CO to Phoenix, AZ then he will get himself home; then we will pick him up in Tulsa, OK fly to Lexington, KY and back to DC for total of $4925.70 roundtrip.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO1HO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number:
1

Purpose: The Administrator will be flying to Cincinnati, OH to visit the GE Additive Technology Center where he will be given a tour and meet with executives from the facility; then he will be traveling to Colorado Springs to speak at the Colorado Association of Home builders to discuss issues surrounding the Waters of the United States and other environmental issues; then he will travel to Arizona to meet with the Governor and other state and local officials and then speak at the Arizona Manufacture's Council; then he will fly home to Tulsa for the weekend and then travel to Kentucky to meet with Senate Majority Leader Mitch McConnell. They will be attending events several agriculture events through the eastern part of Kentucky. Cost comparison shows that if the administrator were to travel from DC to Cincinnati, OH to Colorado Springs to Phoenix and back to DC for $4337.00 then DC to Lexington, KY and return to DC for $1837.60 totaling $6174.60. It is cost effective for the government to fly him from DC to Cincinnati, OH to Colorado Springs, CO to Phoenix, AZ then he will get himself home; then we will pick him up in Tulsa, OK fly to Lexington, KY and back to DC for total of $4925.70 roundtrip.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
10/04/17	10/05/17	COLORADO SPRINGS, CO	2-INFORMATIONAL MEETING	106.00 / 59.00
10/05/17	10/06/17	PHOENIX, AZ	2-INFORMATIONAL MEETING	124.00 / 59.00
10/06/17	10/08/17	TULSA, OK	2-INFORMATIONAL MEETING	93.00 / 51.00
10/08/17	10/09/17	LEXINGTON, KY	2-INFORMATIONAL MEETING	109.00 / 54.00

Document Totals

Total Expenses:	5,706.40
Reimbursable Expenses:	5,706.40
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	5,706.40

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	4,919.30	.00
Hotel Tax	65.80	.00
Lodging-PerDiem	468.00	.00
M&IE-PerDiem	197.75	.00
Misc Expense	40.80	.00
Transaction Fees	14.75	.00
Total Expenses:	5,706.40	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	[redacted]	[redacted]		1,206.80
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	Synxis Res Svcs			199.00
LODGE	Kimpton Hotels		Phoenix,AZ	269.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: CVG-Cincinnati, OH (USA)

Air

Wednesday October 04, 2017

[redacted] Washington, DC (USA) to CVG-Cincinnati, OH (USA)

Oct 04 [redacted]
Washington, DC (USA) [redacted] 10/04/2017 10:05AM — Duration: Unknown Nonstop — Cincinnati, OH (USA) 10/04/2017 11:39AM
Confirmation Number: [redacted]

Flight Information
Distance 410 miles — Emissions 159.9 lbs of CO2
No Seat Assigned — Cost 1,206.80 USD

[redacted] Washington, DC (USA) to CVG-Cincinnati, OH (USA)

Oct 04 [redacted]
Washington, DC (USA) [redacted] 10/04/2017 10:05AM — Duration: Unknown Nonstop — Cincinnati, OH (USA) 10/04/2017 11:39AM
Confirmation Number: [redacted]

Flight Information
Distance 410 miles — Emissions 159.9 lbs of CO2
No Seat Assigned — Cost 1,206.80 USD

[redacted] Washington, DC (USA) to CVG-Cincinnati, OH (USA)

Oct 04 [redacted]
Washington, DC (USA) [redacted] 10/04/2017 10:05AM — Duration: Unknown Nonstop — Cincinnati, OH (USA) 10/04/2017 11:39AM
Confirmation Number: [redacted]

Flight Information
Distance 410 miles — Emissions 159.9 lbs of CO2
No Seat Assigned — Cost 1,206.80 USD

CVG-Cincinnati, OH (USA) to ATL-Atlanta, GA (USA) (H

Oct 04 [redacted]
Cincinnati, OH (USA) 10/04/2017 4:51PM — Duration: Unknown Nonstop — Atlanta, GA (USA) (Hartsfield Intl., Apt) 10/04/2017 6:23PM
Confirmation Number: [redacted]

Flight Information
Distance 374 miles — Emissions 145.9 lbs of CO2
No Seat Assigned

CVG-Cincinnati, OH (USA) to ATL-Atlanta, GA (USA) (H

Oct 04 [redacted]

Cincinnati, OH (USA) 10/04/2017 4:51PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 10/04/2017 6:23PM

Flight Information
Distance 374 miles
No Seat Assigned

Emissions 145.9 lbs of CO2

CVG-Cincinnati, OH (USA) to ATL-Atlanta, GA (USA) (H

Oct 04 [redacted]

Cincinnati, OH (USA) 10/04/2017 4:51PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl.. Apt) 10/04/2017 6:23PM

Flight Information
Distance 374 miles
No Seat Assigned

Emissions 145.9 lbs of CO2

ATL-Atlanta, GA (USA) (H to COS-Colorado Springs, CO

Oct 04 [redacted]

Atlanta, GA (USA) (Hartsfield Intl.. Apt) 10/04/2017 7:08PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Colorado Springs, CO (USA) 10/04/2017 8:20PM

Flight Information
Distance 1181 miles
No Seat Assigned

Emissions 460.6 lbs of CO2

ATL-Atlanta, GA (USA) (H to COS-Colorado Springs, CO

Oct 04 [redacted]

Atlanta, GA (USA) (Hartsfield Intl.. Apt) 10/04/2017 7:08PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Colorado Springs, CO (USA) 10/04/2017 8:20PM

Flight Information
Distance 1181 miles
No Seat Assigned

Emissions 460.6 lbs of CO2

ATL-Atlanta, GA (USA) (H to COS-Colorado Springs, CO

Oct 04 [redacted]

Atlanta, GA (USA) (Hartsfield Intl.. Apt) 10/04/2017 7:08PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Colorado Springs, CO (USA) 10/04/2017 8:20PM

Flight Information
Distance 1181 miles
No Seat Assigned

Emissions 460.6 lbs of CO2

Thursday October 05, 2017

COS-Colorado Springs, CO to DFW-Dallas / Ft. Worth,

Oct 05 [redacted]

Colorado Springs, CO (USA) 10/05/2017 4:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Dallas / Ft. Worth, TX (USA) (Intl.. Apt) 10/05/2017 7:20PM

Flight Information
Distance 591 miles
No Seat Assigned

Emissions 230.5 lbs of CO2

COS-Colorado Springs, CO to DFW-Dallas / Ft. Worth,

Oct 05 [redacted]

Colorado Springs, CO (USA) 10/05/2017 4:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Dallas / Ft. Worth, TX (USA) (Intl.. Apt) 10/05/2017 7:20PM

Flight Information
Distance 591 miles
No Seat Assigned

Emissions 230.5 lbs of CO2

COS-Colorado Springs, CO to DFW-Dallas / Ft. Worth,

Oct 05 [redacted]

Colorado Springs, CO (USA) 10/05/2017 4:30PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Dallas / Ft. Worth, TX (USA) (Intl.. Apt) 10/05/2017 7:20PM

Flight Information
Distance 591 miles
No Seat Assigned

Emissions 230.5 lbs of CO2

DFW-Dallas / Ft. Worth, to PHX-Phoenix, AZ (USA) (S

Oct 05 [redacted]

Duration: Unknown Nonstop

Dallas / Ft. Worth, TX (USA) (Intl. Apt) 10/05/2017 8:35PM
Confirmation Number: [redacted]

Phoenix, AZ (USA) (Sky Harbor Apt) 10/05/2017 9:09PM

Flight Information
Distance 865 miles
No Seat Assigned

Emissions 337.4 lbs of CO2

DFW-Dallas / Ft. Worth, to PHX-Phoenix, AZ (USA) (S

Oct 05 [redacted]

Duration: Unknown Nonstop

Dallas / Ft. Worth, TX (USA) (Intl. Apt) 10/05/2017 8:35PM
Confirmation Number: [redacted]

Phoenix, AZ (USA) (Sky Harbor Apt) 10/05/2017 9:09PM

Flight Information
Distance 865 miles
No Seat Assigned

Emissions 337.4 lbs of CO2

DFW-Dallas / Ft. Worth, to PHX-Phoenix, AZ (USA) (S

Oct 05 [redacted]

Duration: Unknown Nonstop

Dallas / Ft. Worth, TX (USA) (Intl. Apt) 10/05/2017 8:35PM
Confirmation Number: [redacted]

Phoenix, AZ (USA) (Sky Harbor Apt) 10/05/2017 9:09PM

Flight Information
Distance 865 miles
No Seat Assigned

Emissions 337.4 lbs of CO2

Hotel

Kimpton Hotels

2 E Jefferson Phoenix AZ 85004 602-253-6633

Oct 05 Checking in: 10/05/2017

Checking out: 10/06/2017
Total Rate: 269.00 USD

Kimpton Hotels

2 E Jefferson Phoenix AZ 85004 602-253-6633

Oct 05 Checking in: 10/05/2017

Checking out: 10/06/2017
Total Rate: 269.00 USD

Kimpton Hotels

2 E Jefferson Phoenix AZ 85004 602-253-6633

Oct 05 Checking in: 10/05/2017

Checking out: 10/06/2017
Total Rate: 269.00 USD

Air

Sunday October 08, 2017

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Oct 08 [redacted]

Duration: Unknown Nonstop

Tulsa, OK (USA) (Intl. Apt) 10/08/2017 3:25PM
Confirmation Number: [redacted]

Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/08/2017 6:22PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Oct 08 [redacted]

Duration: Unknown Nonstop

Tulsa, OK (USA) (Intl. Apt) 10/08/2017 3:25PM
Confirmation Number: [redacted]

Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/08/2017 6:22PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

TUL-Tulsa, OK (USA) (Int to ATL-Atlanta, GA (USA) (H

Oct 08 [redacted]

Duration: Unknown Nonstop

Tulsa, OK (USA) (Intl. Apt) 10/08/2017 3:25PM
Confirmation Number: [redacted]

Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/08/2017 6:22PM

Flight Information
Distance 672 miles
No Seat Assigned

Emissions 262.1 lbs of CO2

ATL-Atlanta, GA (USA) (H to LEX-Lexington / Frankfor

Oct 08 [redacted]

Duration: Unknown Nonstop

Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/08/2017 8:27PM

Lexington / Frankfort, KY (USA) 10/08/2017 9:40PM

Confirmation Number: [redacted]

Flight Information
Distance 304 miles
No Seat Assigned

Emissions 118.6 lbs of CO2

ATL-Atlanta, GA (USA) (H to LEX-Lexington / Frankfor

Oct 08 [redacted]
Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/08/2017 8:27PM
Confirmation Number: GSS8L8

Duration: Unknown Nonstop
Lexington / Frankfort, KY (USA) 10/08/2017 9:40PM

Flight Information
Distance 304 miles
No Seat Assigned

Emissions 118.6 lbs of CO2

ATL-Atlanta, GA (USA) (H to LEX-Lexington / Frankfor

Oct 08 Delta 705
Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/08/2017 8:27PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Lexington / Frankfort, KY (USA) 10/08/2017 9:40PM

Flight Information
Distance 304 miles
No Seat Assigned

Emissions 118.6 lbs of CO2

Hotel

Synxis Res Svcs

Oct 08 Checking in: 10/08/2017

Checking out: 10/09/2017
Total Rate: 199.00 USD

Synxis Res Svcs

Oct 08 Checking in: 10/08/2017

Checking out: 10/09/2017
Total Rate: 199.00 USD

Synxis Res Svcs

Oct 08 Checking in: 10/08/2017

Checking out: 10/09/2017
Total Rate: 199.00 USD

Air

Monday October 09, 2017

LEX-Lexington / Frankfor to ATL-Atlanta, GA (USA) (H

Oct 09 [redacted]
Lexington / Frankfort, KY (USA) 10/09/2017 5:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/09/2017 7:04PM

Flight Information
Distance 304 miles
No Seat Assigned

Emissions 118.6 lbs of CO2

LEX-Lexington / Frankfor to ATL-Atlanta, GA (USA) (H

Oct 09 [redacted]
Lexington / Frankfort, KY (USA) 10/09/2017 5:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/09/2017 7:04PM

Flight Information
Distance 304 miles
No Seat Assigned

Emissions 118.6 lbs of CO2

LEX-Lexington / Frankfor to ATL-Atlanta, GA (USA) (H

Oct 09 [redacted]
Lexington / Frankfort, KY (USA) 10/09/2017 5:35PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/09/2017 7:04PM

Flight Information
Distance 304 miles
No Seat Assigned

Emissions 118.6 lbs of CO2

ATL-Atlanta, GA (USA) (H t[redacted]/ashington, DC (USA)

Oct 09 [redacted]
Atlanta, GA (USA) (Hartsfield Intl. Apt) 10/09/2017 8:50PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA [redacted] 10/09/2017 10:33PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H [redacted] Washington, DC (USA)

Oct 09 [redacted]

Atlanta, GA (USA) (Hartsfield Intl., Apt) 10/09/2017 8:50PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 10/09/2017 10:33PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

ATL-Atlanta, GA (USA) (H t[redacted] ashington, DC (USA)

Oct 09 [redacted]

Atlanta, GA (USA) (Hartsfield Intl., Apt) 10/09/2017 8:50PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Washington, DC (USA) [redacted] 10/09/2017 10:33PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1 — Total Non-Per Diem Expenses: 5,040.65 — Total Per Diem Expenses: 665.75

Date	Description	Category	Cost	Pay Method	Per Diem
09/29/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
10/02/2017	Travel Fee	Com. Carrier	53.24	GOVCC	
Comment:	LB VIP Services				
10/04/2017	Airline Flight	Com. Carrier	1,093.92	GOVCC	
10/04/2017	Airline Flight	Com. Carrier	3,718.90	GOVCC	
10/04/2017	M&IE	M&IE-PerDiem	44.25	PERSONAL	*
10/04/2017	Internet Connection Fees	Misc Expense	15.95	PERSONAL	
10/05/2017	Hotel Tax (CONUS Only)	Hotel Tax	33.82	GOVCC	
10/05/2017	Lodging	Lodging-PerDiem	269.00	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
10/05/2017	M&IE	M&IE-PerDiem	59.00	PERSONAL	*
10/08/2017	Hotel Tax (CONUS Only)	Hotel Tax	31.98	GOVCC	
10/08/2017	Lodging	Lodging-PerDiem	199.00	GOVCC	*
Comment:	Conf Num: [redacted] Cmt:				
10/08/2017	M&IE	M&IE-PerDiem	54.00	PERSONAL	*
10/08/2017	Internet Connection Fees	Misc Expense	9.95	PERSONAL	
10/09/2017	M&IE	M&IE-PerDiem	40.50	PERSONAL	*
10/09/2017	Internet Connection Fees	Misc Expense	14.90	PERSONAL	
10/23/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 — Total Per Diem Allowances: 665.75

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B L D Conf%
10/04/2017	106.00/ 59.00	0.00	0.00	44.25	44.25	
10/05/2017	124.00/ 59.00	269.00	269.00	59.00	59.00	
10/06/2017	93.00/ 51.00	0.00	0.00	0.00	0.00	
10/07/2017	93.00/ 51.00	0.00	0.00	0.00	0.00	
10/08/2017	109.00/ 54.00	199.00	199.00	54.00	54.00	
10/09/2017	109.00/ 54.00	0.00	0.00	40.50	40.50	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11A.ZZZME8.MN111100.	GOVCC	5,467.85
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11A.ZZZME8.MN111100.	PERSONAL	238.55

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	AT7.20172018.B.11A.ZZZME8.MN111100.	5,706.40

Totals by Payment Method

GOVCC Total	5,467.85
PERSONAL Total	238.55

Document History 02/26/2018 Vch: VCH160494

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	10/23/2017	11:38AMEST	DAVIS, GWENDER G	
PREPARED	10/23/2017	2:12PMEST	DAVIS, GWENDER G	
SIGNED	10/24/2017	4:57AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	10/24/2017	8:53AMEST	ALLEN, REGINALD E	
ADJUSTED	10/26/2017	7:37AMEST	PENNINGTON, SHAUN	
VOUCHER APPROVED	10/26/2017	7:39AMEST	PENNINGTON, SHAUN	
PENDING	10/26/2017	7:39AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	10/26/2017	10:00AMEST	Onc, EAI User	
PENDING	10/26/2017	10:00AMEST	Onc, EAI User	
PAID	10/26/2017	1:00PMEST	Onc, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____ _____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Veh	Document Name:	VCH16069
Travel Authorization Number:	TAA054N0	Trip Name:	Trip from Washington to Jackson, MS then return.
TA Date:	10/24/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will fly to Jackson to meet with the Governor and other state officials as well as tour a farm in the area.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	(b) (6) [redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	(b) (6) [redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will fly to Jackson to meet with the Governor and other state officials as well as tour a farm in the area.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
10/11/17	10/12/17	JACKSON, MS		93.00 / 51.00

Document Totals

Total Expenses:	3,272.46
Reimbursable Expenses:	3,272.46
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	3,272.46

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	3,084.28	.00
Hotel Tax	10.98	.00
Lodging-PerDiem	93.00	.00
M&IE-PerDiem	64.50	.00
Misc Expense	4.95	.00
Transaction Fees	14.75	.00
Total Expenses:	3,272.46	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location	Cost
COMM-CARR	(b) (7)(C) [redacted]	(b) (6) [redacted]		2,977.80
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	Hilton Garden Inn		Jackson,MS	93.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: ATL-Atlanta, GA (USA) (Hartsfield IntL.

Air

Wednesday October 11, 2017

[redacted] Washington, DC (USA) to ATL-Atlanta, GA (USA) (H

Oct 11 [redacted]

Washington, DC (USA) [redacted] 10/11/2017 5:45PM
Confirmation Number [redacted]

Duration: 1 Hour 55 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 10/11/2017 7:40PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2
Cost 2,977.80 USD

ATL-Atlanta, GA (USA) (H to JAN-Jackson, MS (USA) (J

Oct 11 [redacted]

Atlanta, GA (USA) (Hartsfield IntL. Apt) 10/11/2017 9:15PM
Confirmation Number: [redacted]

Duration: 1 Hour 20 Minutes Nonstop
Jackson, MS (USA) (Jackson IntL. Apt) 10/11/2017 9:35PM

Flight Information
Distance 340 miles
No Seat Assigned

Emissions 132.6 lbs of CO2

Hotel

Hilton Garden Inn

235 West Capitol St Jackson MS 39201 601-353-5464

Oct 11 Checking in: 10/11/2017

Checking out: 10/12/2017
Total Rate: 93.00 USD

Air

Thursday October 12, 2017

JAN-Jackson, MS (USA) (J to ATL-Atlanta, GA (USA) (H

Oct 12 [redacted]

Jackson, MS (USA) (Jackson IntL. Apt) 10/12/2017 3:59PM
Confirmation Number: [redacted]

Duration: 1 Hour 22 Minutes Nonstop
Atlanta, GA (USA) (Hartsfield IntL. Apt) 10/12/2017 6:21PM

Flight Information
Distance 340 miles
No Seat Assigned

Emissions 132.6 lbs of CO2

ATL-Atlanta, GA (USA) (H t[redacted]ashington, DC (USA)

Oct 12 [redacted]

Atlanta, GA (USA) (Hartsfield IntL. Apt) 10/12/2017 7:15PM
Confirmation Number: [redacted]

Duration: 1 Hour 48 Minutes Nonstop
Washington, DC (USA [redacted] 0/12/2017 9:03PM

Flight Information
Distance 546 miles
No Seat Assigned

Emissions 212.9 lbs of CO2

Expenses

Trip#: 1

Total Non-Per Diem Expenses: 3,114.96 Total Per Diem Expenses: 157.50

Date	Description	Category	Cost	Pay Method	Per Diem
10/06/2017	Travel Fee Comment: LB VIP Services	Com. Carrier	53.24	GOVCC	
10/10/2017	Travel Fee Comment: LB VIP Services	Com. Carrier	53.24	GOVCC	
10/11/2017	Airline Flight	Com. Carrier	2,977.80	GOVCC	
10/11/2017	Hotel Tax (CONUS Only)	Hotel Tax	10.98	GOVCC	
10/11/2017	Lodging Comment: Conf Num: [redacted] NON SMKING CONF Cnc: CANCEL BEFORE 4PM 11OCT17	Lodging-PerDiem	93.00	GOVCC	*
10/11/2017	M&IE	M&IE-PerDiem	38.25	PERSONAL	*
10/12/2017	M&IE	M&IE-PerDiem	26.25	PERSONAL	*
10/12/2017	Internet Connection Fees	Misc Expense	4.95	PERSONAL	
10/24/2017	TDY Voucher Fee	Transaction Fees	14.75	GOVCC	

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 157.50

Date	Rate	Ldg Cost	Ldg Allowed	M&IE Cost	M&IE Allowed	B	L	D	Conf%
10/11/2017	93.00/ 51.00	93.00	93.00	38.25	38.25				
10/12/2017	93.00/ 51.00	0.00	0.00	26.25	26.25			X	

Payment Detail Information

Organization	Label	Accounting String	Payment Method	Amount
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111160.	GOVCC	3,203.01
EPAAO11IO	17 OA IO ACCOUNT	AT7.20172018.B.11.ZZZME8.MN111160.	PERSONAL	69.45

Totals by Label

EPAAO11IO	17 OA IO ACCOUNT Total	AT7.20172018.B.11.ZZZME8.MN111100.	3,272.46

Totals by Payment Method

GOVCC Total	3,203.01
PERSONAL Total	69.45

Document History 02/26/2018 Vch: VCH160693

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STATUS	DATE	TIME	SIGNATURE NAME	REASON
CREATED	10/24/2017	10:01AMEST	DAVIS, GWENDER G	
PREPARED	10/24/2017	10:28AMEST	DAVIS, GWENDER G	
SIGNED	10/24/2017	10:50AMEST	PRUITT, EDWARD SCOTT	
AUTHORIZED	10/24/2017	10:55AMEST	ALLEN, REGINALD E	
VOUCHER APPROVED	10/26/2017	8:46AMEST	MARTINI, SARAH J	
PENDING	10/26/2017	8:46AMEST	SYSUTILITY	
OFFSETTING OBLIGATED	10/26/2017	12:01PMEST	One, EAI User	
PENDING	10/26/2017	12:01PMEST	One, EAI User	
PAID	10/26/2017	4:00PMEST	One, EAI User	

I certify that the electronic signatures listed above are valid and on file

_____

SIGNED DATE

Document Signatures

Traveler/Preparer Name: _____

Traveler/Preparer Signature: _____

Date: _____

Approver Name: _____

Approver Signature: _____

Date: _____

Document Header Information

Document Type:	Vch	Document Name:	VCH161283
Travel Authorization Number:	TAA055SH	Trip Name:	Washington, DC to Houston, TX to Omaha, NE and return.
TA Date:	10/27/17	Currency:	USD
Organization:	EPAAO11IO	Current Status:	PAID
Purpose:	2-INFORMATIONAL MEETING	Document Detail:	The Administrator will be flying to Houston to speak at the Texas Oil & Gas Association annual meeting. While in Houston, the Administrator could meet with the Houston Port Authority and community groups; then to flying to Nebraska to meet with the Governor as well as other state and local officials. While the Administrator is in Nebraska he plans on multiple media stops as well.
Type Code:	TEMPORARY DUTY		

Traveler Profile

Name:	PRUITT, EDWARD SCOTT	TID:	[redacted]
Organization:	EPAAO11IO	Duty Station:	
Card:	ADVANCE AUTHORIZED	Office Address:	1200 Pennsylvania Ave NW Washington, DC 20460
EMAIL:	PRUITT.SCOTT@EPA.GOV	Office Phone:	[redacted]

Document Information

Trip Number: 1

Purpose: The Administrator will be flying to Houston to speak at the Texas Oil & Gas Association annual meeting. While in Houston, the Administrator could meet with the Houston Port Authority and community groups; then to flying to Nebraska to meet with the Governor as well as other state and local officials. While the Administrator is in Nebraska he plans on multiple media stops as well.

Itinerary Locations

From	To	Itinerary Location	Purpose	Per Diem Rates
10/19/17	10/20/17	OMAHA, NE		109.00 / 64.00

Document Totals

Total Expenses:	3,978.82
Reimbursable Expenses:	3,978.82
Non-Reimbursable Expenses:	.00
Advance Applied:	.00
Net to Traveler:	.00
Net to Government:	.00
Pay to Charge Card:	3,978.82

Document Totals by Expense Category

Expense Category	Cost	Advance Amount
Com. Carrier	3,716.78	.00
Hotel Tax	19.44	.00
Lodging-PerDiem	107.00	.00
M&IE-PerDiem	96.00	.00
Misc Expense	24.85	.00
Transaction Fees	14.75	.00
Total Expenses:	3,978.82	.00

Trip 1 Details

Reservations Summary

Reservation Type	Vendor	Ticket#	Location

COMM-CARR	[redacted]	[redacted]		.00
COMM-CARR				3,610.30
COMM-CARR				.00
COMM-CARR				.00
COMM-CARR				.00
LODGE	Magnolia Hotels		Omaha,NE	107.00

Trip Itinerary

From [redacted] Washington, DC (USA) [redacted] TO: CVG-Cincinnati, OH (USA)

Air

Thursday October 19, 2017

[redacted]-Washington, DC (USA) to CVG-Cincinnati, OH (USA)

Oct 19 [redacted]
Washington, DC (USA) [redacted] 10/19/2017 6:35AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Cincinnati, OH (USA) 10/19/2017 8:13AM

Flight Information
Distance 410 miles
No Seat Assigned

Emissions 159.9 lbs of CO2
Cost 3,610.30 USD

[redacted] Washington, DC (USA) to CVG-Cincinnati, OH (USA)

Oct 19 [redacted]
Washington, DC (USA [redacted] 0/19/2017 6:35AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Cincinnati, OH (USA) 10/19/2017 8:13AM

Flight Information
Distance 410 miles
No Seat Assigned

Emissions 159.9 lbs of CO2
Cost 3,610.30 USD

CVG-Cincinnati, OH (USA) to IAH-Houston, TX (USA) (B

Oct 19 [redacted]
Cincinnati, OH (USA) 10/19/2017 9:21AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Houston, TX (USA) (Bush Intercontinental 10/19/2017 10:53AM

Flight Information
Distance 871 miles
No Seat Assigned

Emissions 339.7 lbs of CO2

CVG-Cincinnati, OH (USA) to IAH-Houston, TX (USA) (B

Oct 19 [redacted]
Cincinnati, OH (USA) 10/19/2017 9:21AM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Houston, TX (USA) (Bush Intercontinental 10/19/2017 10:53AM

Flight Information
Distance 871 miles
No Seat Assigned

Emissions 339.7 lbs of CO2

IAH-Houston, TX (USA) (B to OMA-Omaha, NE (USA) (Epl

Oct 19 [redacted]
Houston, TX (USA) (Bush Intercontinental 10/19/2017 9:25PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Omaha, NE (USA) (Epley Airfield) 10/19/2017 11:39PM

Flight Information
Distance 782 miles
No Seat Assigned

Emissions 305.0 lbs of CO2

IAH-Houston, TX (USA) (B to OMA-Omaha, NE (USA) (Epl

Oct 19 [redacted]
Houston, TX (USA) (Bush Intercontinental 10/19/2017 9:25PM
Confirmation Number: [redacted]

Duration: Unknown Nonstop
Omaha, NE (USA) (Epley Airfield) 10/19/2017 11:39PM

Flight Information
Distance 782 miles
No Seat Assigned

Emissions 305.0 lbs of CO2

Hotel

Magnolia Hotels

1615 Howard St Omaha NE 68102 402-341-2500

Oct 19 Checking in: 10/19/2017

Checking out: 10/20/2017
Total Rate: 107.00 USD

Message

From: ECOS [ecos=ecos.org@mail204.atl81.rsgsv.net]
on behalf of ECOS [ecos@ecos.org]
Sent: 3/30/2018 5:14:43 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: ECOS Summarizes FY18 Budget, Spring Meeting Resolutions, and Press Coverage; U.S. EPA Projects Massive Drinking Water Infrastructure Need; & More

ECOS Summarizes FY18 Budget, Spring Meeting Resolutions, and Press Coverage; U.S. EPA Projects Massive Drinking Water Infrastructure Need; & More

ECOSWIRE | Vol. 20 No. 13

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ECOSWIRE

Friday, March 30, 2018

Vol. 20 No. 13

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ECOS Presents Summary of U.S. EPA FY18 Budget Appropriations

ECOS has prepared a summary chart of U.S. EPA's FY18 appropriations authorized under the *Consolidated Appropriations Act* signed March 23 by President Trump. The measure funds EPA at FY17 enacted levels of $8.058B. Rescissions contained in Title II and Title VI are targeted to the State and Tribal Assistance Grants (STAG) account and increase from $90M to $148M.

The bill maintains funding levels for all STAG categorical grants from FY17 with an additional $10M Multipurpose Grant Appropriation, for a total of $1.067B. Funds for diesel emissions increase from $60M to $75M and for targeted airsheds increase from $60M to $75M. Funding for all geographic programs continue at FY17 levels, with three programs receiving an additional $4M each — Long Island, Gulf of Mexico, and Lake Champlain.

Additional funding of $766M for infrastructure is included under Title IV of the bill to provide more funds for: clean water and drinking water infrastructure; the Water Infrastructure Finance and Innovation Act program; three new grant programs targeted to small and disadvantaged community water infrastructure, lead testing, and lead reduction assistance; and various Superfund efforts.

Although the bill contains many of the riders included in previous years, congressional Democrats touted some provisions that they were able to block. These include an exemption of EPA's Clean Water Rule rewrite from administrative legal requirements, and riders that would have blocked an update of ozone air standards and prevented EPA from enforcing financial assurance rules under Superfund.

Full ECOS information on the FY18 budget process is available here. [McAleer/Graves]

U.S. EPA Projects $472B Drinking Water Infrastructure Need through 2034

U.S. EPA will release today its sixth *Drinking Water Needs Survey Report* to Congress, which identifies needs of $472B to maintain and improve drinking water infrastructure through 2034.

As directed by the Safe Drinking Water Act, EPA conducts and provides to Congress a needs survey and assessment every four years and uses the findings to allocate Drinking Water State Revolving Fund (DWSRF) grants to the states. The DWSRF funds help states provide low-cost financing to public and tribal water systems for infrastructure improvements necessary to protect public health and comply with drinking water regulations.

EPA's report identifies investments needed by the country's 150,000 public and tribal drinking water systems, including more than two million miles of pipes and thousands of

treatment plants, storage tanks and other key assets. The assessment is based on a statistical survey of more than 2,500 public water systems.

The report will be posted today on EPA's Drinking Water State Revolving Fund site here. [Parisien]

ECOS Adopts Resolutions on Federalism, Brownfields, CERCLA, and Coordination with NGA

At last week's Spring Meeting in St. Paul, Minnesota, the ECOS membership passed a new resolution urging congressional support of brownfields programs, and renewed three additional resolutions as follows:

Resolution 00-1: On Environmental Federalism (renewal)
This resolution identifies states as co-regulators with U.S. EPA, supports Cooperative Federalism, recognizes the need for adequate funding for state and federal environmental programs, opposes preemption of state authority, and supports delegation of programs to states.

Resolution 18-1: In Support of Federal Funding for Brownfields Programs (new)
This resolution seeks congressional support of state brownfields programs through authorization of multipurpose grants, an increase in state response funding, and provision of funding for administrative costs. It also asks Congress to expand eligibility for brownfields grants to additional types of organizations, and to expand the ability of organizations to partner and invest in brownfields projects.

Resolution 00-9: Clarification of CERCLA Sovereign Immunity Waiver for Federal Facilities and Federal Lands (renewal)
This resolution requests that Executive Order 12580 be revised to clarify that federal facilities and federal lands are subject to appropriate state regulations and are not unduly shielded by sovereign immunity and lead agency authority. It also encourages Congress to pass legislation acknowledging state authority for oversight of cleanup at federal facilities and federal lands.

Resolution 93-2: On Coordination with the National Governors Association (renewal)
This resolution directs that ECOS coordinate its positions with the Natural Resources Committee of the National Governors Association, invite the committee to ECOS meetings, and ensure regular communication.
[Parisien]

Spring Meeting Trade Press Coverage Points to Breadth and Depth of Discussions

Trade press coverage of last week's ECOS Spring Meeting provides a sense of the many perspectives presented during the wide-ranging policy discussions.

Inside EPA (reproduced with permission of Inside Washington Publishers):

States Seek EPA Guide To Assume CWA 404 Power As Florida Pushes Ahead

EPA Leaves Door Open To PFAS MCL, But Warns Of 'Multi-Year' Process

Eyeing State Discretion, EPA, ECOS Grapple With New Program Review Policy

EPA Planning Streamlined Audit Policy For New Oil & Gas Facilities

Bloomberg Environment (reproduced with permission of the Bureau of National Affairs, Inc.):

States Go to Forefront as EPA Chips Away at Backlog of Decisions

Faster Air Pollution Permits Prominent on EPA's Agenda

Xcel Energy Can't Rely on Nuclear for its Carbon-Free Vision

Oil, Gas Firms Could Avoid EPA Penalties by Admitting Violations

[Parisien]

State News You Can Use

Washington State Enacts Landmark Phaseout of Certain Perfluorinated Chemicals

---

Iowa Recognized for Water and Wastewater Treatment Operator Certification Program

---

DC Completes Construction of Anacostia River Tunnel

Need-to-Know News in Energy

National Academies Report Urges Improved Measurement of Methane

Area of Focus: *Energy*

Noting that current levels of methane in the atmosphere are unprecedented over the past century, a new consensus study report from the National Academies' Division on Earth and Life Sciences urges U.S. EPA and other federal agencies to take bold steps now to improve measurement, monitoring, and inventories of methane emissions. Such efforts eventually could help refine federal, state, and local regulatory policies to curb releases of

the potent greenhouse gas.

Recommended actions include: (1) strengthening top-down observations and modeling; (2) developing a gridded national inventory that serves as a means for linking and comparing top-down and bottom-up estimates; (3) improving and updating all aspects of methane inventory development; and (4) implementing a national research effort aimed at improving emissions estimates and identifying and closing knowledge gaps.

Read the report at *Improving Characterization of Anthropogenic Methane Emissions in the United States*. [Parisien]

E-Enterprise for the Environment / Exchange Network

E-Enterprise / *Exchange Network*

Save the Date for EE2018 – the E-Enterprise National Meeting

ECOS is pleased to announce *EE2018* – the E-Enterprise National Meeting, powered by the Exchange Network. On **October 23-25**, the E-Enterprise and Exchange Network communities will gather in Dallas, Texas to connect, collaborate, and learn more about the innovative work underway across the environmental protection enterprise.

EE2018 continues the longstanding series of national meetings held by the National Environmental Information Exchange Network. It is rebranding the meeting to embrace the deep connection between E-Enterprise and the Exchange Network and to continue promoting integrated conversations around process improvement, program modernization, advanced technology, and data management.

The theme for *EE2018* is *Shared Stories, Shared Services, Shared Successes*. Stay tuned for a call for meeting content and information on meeting registration, lodging, and state travel expense reimbursement.

Receive the latest updates via the meeting website. [Rakouskas]

ITRC

Interstate Technology & Regulatory Council

ITRC Releases Newest PFAS Fact Sheets

The Interstate Technology & Regulatory Council (ITRC) is pleased to announce three new fact sheets on per- and polyfluoroalkyl substances (PFAS):

- Environmental Fate and Transport
- Site Characterization Considerations, Sampling Precautions, and Laboratory Analytical Methods
- Remediation Technologies and Methods

ITRC has developed the fact sheets to summarize the latest science on PFAS and information on emerging technologies to address the chemicals. The fact sheets are tailored to the needs of state regulatory program personnel tasked with making informed and timely decisions regarding PFAS-impacted sites. The content is also useful to parties responsible for the release of these contaminants, as well as community stakeholders.

Click here to access the fact sheets. A final fact sheet on Aqueous Film Forming Foam is set to be published August 2018. [Bodi]

U.S. EPA Appointments

Michigan DEQ Veteran McIntosh Tapped to Lead U.S. EPA OITA

On March 23, President Trump announced his intention to nominate W. Charles "Chad" McIntosh to lead U.S. EPA's Office of International and Tribal Affairs.

For the past two decades, McIntosh has managed global and environmental policy for Ford Motor Company. He previously served as Deputy Director of the Michigan Department of Environmental Quality, where he worked closely with state and tribal leaders, oversaw regulatory reform and criminal investigations, and directed the development of administrative rules packages for the state. [Parisien]

ECOS News

ECOS Welcomes New Staff Members for ITRC

ECOS welcomes two new staff members who will be supporting the Interstate Technology & Regulatory Council (ITRC).

Tadbir Singh recently joined the ITRC team as a Project Associate supporting the technical teams and managing PFAS issues. A Vermont native, she graduated in 2015 from Case Western Reserve University with a B.S.E.in Civil Engineering and a concentration in Environmental Engineering. Singh can be reached here.

Molly Olonoff is a new ITRC Project Associate supporting various technical teams by managing projects, meetings, webinars, and other initiatives. Originally from New York, Olonoff earned a B.A. in Biology & Society from Cornell University, where she studied Biology, Environmental Sustainability, and Government. After graduation, she was an Intern and then a Research Assistant at Issue One. She can be reached here. [Singh/Olonoff]

Career Opportunities

ASDWA Seeks Water Policy Analyst

The Association of State Drinking Water Administrators (ASDWA) is seeking a Water Policy Analyst.

This individual will be responsible for: the collection of data and information to inform the development of policies and positions on legislative, regulatory, and security issues impacting state agencies and water systems; review and comment on draft guidance; tracking of legislative and regulatory developments for membership; and support of ASDWA in other organizational capacities.

Applications are due April 27. For more information, see here. [Longsworth]

Upcoming Events

Calls

Toxic Substances Reduction Workgroup

ECOS' Toxic Substances Reduction Workgroup will hold its monthly call on **April 3 at 3-4 p.m. Eastern**. The call will focus on U.S. EPA's Safer Choice program, and will update participants on CBI guidance and other toxics related news.

For more information, email Sarah Grace Longsworth of ECOS. [Longsworth]

Webinars

ITRC on Petroleum Vapor Intrusion

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course on *Petroleum Vapor Intrusion: Fundamentals of Screening, Investigation, and Management* on **April 5 at 1-3:15 p.m. Eastern**.

Petroleum vapor intrusion (PVI) is the process by which volatile petroleum hydrocarbons released as vapors from light nonaqueous phase liquids, petroleum-contaminated soils, or petroleum-contaminated groundwater migrate through the vadose zone and into overlying buildings. After attending this training, participants should be able to: determine when and how to use the ITRC PVI document at their sites; describe the important role of biodegradation impacts on the PVI pathway (in contrast to chlorinated solvent contaminated sites); and value a PVI conceptual site model (CSM) and list its key components.

Learn more and register here. [Bodi]

ITRC on Long-term Contaminant Management

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course on *Long-term Contaminant Management Using Institutional Controls* on **April 10 at 1-3:15 p.m. Eastern**.

Institutional controls (ICs) are administrative or legal restrictions that provide protection from exposure to contaminants on a site. When ICs are jeopardized or fail, direct exposure to human health and the environment can occur. After attending the training, participants will be able to: describe best practices and evolving trends for IC management at individual sites and across state agency programs; use the associated ITRC guidance to improve existing, or develop new, IC Management programs; and use the tools to establish a Long Term Stewardship (LTS) plan for specific sites.

Learn more and register here. [Bodi]

U.S. EPA on Emerging Sensor Technologies Report

U.S. EPA's Air and Energy National Research Program will host two webinar sessions to update stakeholders on its *Emerging Sensor Technologies 2014-2018 Progress Report*. The identical sessions will be held on **April 30 at 8:30-11:30 a.m. Eastern** and **1:30-4:30 p.m. Eastern**, and will summarize general findings across a broad base of the agency's air sensor research activities over the past several years.

The first two hours of each session will feature presentations by EPA Sensor Performance Evaluation and Application Research team members on topics such as sensor evaluations, data analytics, ammonia detection, citizen science, and detection of select emission sources. The final portion of each session will be a question and answer period.

To register, see here. [Longsworth]

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Washington, DC 20001-1770

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Message

From: Carol Lee Rawn [rawn@ceres.org]
Sent: 3/15/2018 4:05:08 PM
To: Pruitt, Scott [Pruitt.Scott@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
CC: Lewis, Josh [Lewis.Josh@epa.gov]; heidi.king@dot.gov; Wehrum, Bill [Wehrum.Bill@epa.gov]; Michael.J.Catanzaro Ex. 6
Subject: Company letter re. National Program and s. 177 states
Attachments: March 15 S177 Letter .pdf

Dear Administrator Pruitt,

Attached please find a letter from a network of 47 major employers across the country expressing support for the current National Program due to its significant economic and environmental benefits, and opposition to any efforts to undermine states' rights to realize those benefits. Thank you for your consideration.

Sincerely,
Carol Lee Rawn

Carol Lee Rawn
Director, Transportation Program
Ceres
99 Chauncy Street
Boston, MA 02111-1703
Ex. 6 (please note that my extension has changed)
rawn@ceres.org
www.ceres.org

Ceres
Sustainability is the bottom line.

BICEP Members:

Adobe
Annie's Inc
Aspen Skiing Company
Autodesk
Aveda
Ben & Jerry's
Burton Snowboards
CA Technologies
Clif Bar & Company
Dignity Health
eBay Inc.
Eileen Fisher
Etsy
Fetzer Vineyards
Gap Inc.
General Mills, Inc.
IKEA
JLL
KB Home
The Kellogg Company
L'Oreal USA
LBrands
Levi Strauss & Co.
Mars Incorporated
Nature's Path Foods
Nestle
New Belgium Brewing
Nike, Inc.
The North Face
Outdoor Industry Association
Owens Corning
Patagonia, Inc.
Portland Trail Blazers
Salesforce
Seventh Generation
Sierra Nevada Brewing
Squaw Valley
Starbucks
Stonyfield Farm
Symantec Corporation
Timberland
Unilever
Vail Resorts
VF Corporation
Vulcan, Inc.
Worthen Industries

March 15, 2018

Administrator Scott Pruitt
Office of the Administrator 1101A
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

Dear Administrator Pruitt,

As the representative of a network of 47 major employers across the United States, I am writing to voice our strong support for retaining the current passenger vehicle fuel economy and GHG standards (the National Program), California's right to retain its vehicle standards, which are consistent with the National Program, and other states' rights to follow suit. The Business for Innovative Climate and Energy Policy (BICEP) is an advocacy coalition of leading businesses committed to working with policy makers to enact meaningful energy and climate legislation. We believe that a strong and consistent National Program is essential to ensuring key economic and environmental benefits, and we would oppose any attempts to undermine states' rights to realize those benefits.

The National Program represents a critical opportunity to strengthen the U.S. economy, enhance the global competitiveness of the auto industry, create jobs, and help us meet our climate goals. Weakening the National Program is not only legally unjustified but would also undermine these benefits as well as regulatory certainty. California has already announced its finding, based on multiple comprehensive analyses, that the standards remain appropriate.[1] Pursuant to section 177 of the Clean Air Act, a total of 13 states and Washington, D.C. have adopted California's vehicle emissions standards. As a whole, this group represents 113 million U.S. residents, or 35% of the U.S. market for cars and trucks.

Given the size of the market committed to following California's lead, and the stated intent of those states to legally challenge a rollback of the standards,[2] weakening the standards would inevitably lead to regulatory uncertainty and delay. Regulatory certainty is necessary to ensure the investment in research and development needed to safeguard the industry's global competitiveness as the rest of the world moves toward stricter clean vehicle regulation. The recent formation of the Automotive Technology Leadership Group, an alliance of the nation's leading automotive supplier and emission control company organizations, which calls for consistent standards that will ensure

[1] https://www.arb.ca.gov/msprog/acc/mtr/res17-3.pdf
[2] State Attorneys General letter to Administrator Pruitt dated June 8, 2017

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that the U.S. continues to "lead the development and manufacture of the cleanest and most efficient vehicles in the world,"[3] underscores the importance of strong uniform standards to suppliers, who employ over two and a half times more Americans than the automakers.

A Ceres economic analysis[4] underscores these points. It found that the current National Program would reduce risk for the Detroit Three and benefit suppliers, while weakening the standards could undermine industry economic performance, particularly for suppliers. The study shows that the Detroit Three will remain profitable under the current standards under all fuel price scenarios considered - even under a very low $1.80 per gallon fuel price. In addition, the current standards provide insurance for the Detroit Three automakers and their suppliers against future market losses in the event of a fuel price spike.

The study also demonstrates that regulatory certainty is valuable to automakers, and especially the Tier One suppliers, who are making the majority of fuel-saving technology investments in research, development and production capacity; the standards will allow them to realize returns on their investments and avoid stranded costs. In fact, the standards provide significant benefits to suppliers. About 80% of automaker compliance costs are paid to suppliers, which make up a significantly larger portion of the economy than the automakers and employ over half a million Americans. Specifically, the study found that Tier One auto suppliers stand to gain about $90 billion in increased orders for fuel-saving technology under the current standards (in the 2014-2025 timeframe). Finally, if the standards were weakened and gas prices spiked, we could see 300,000 fewer vehicles sales for automakers and a loss of $1.08 billion in profits in 2025. Suppliers would be hit especially hard, losing $3.3 billion a year between 2022-2025 in sales of fuel-efficient technologies.

Similarly, an analyst note[5] regarding automakers' financial performance underscores the importance of retaining or strengthening the current standards. The analysis found that as disruption from new technologies, new mobility models, and global trends threaten financial prospects for legacy automakers, the current fuel economy and emissions standards would help enhance the competitiveness of the U.S. auto industry. Given the importance of operating costs in ride sharing platforms, and the synergy between autonomous vehicles and electrification, leadership in fuel efficiency and electrification is key to success in this new era. We are also seeing a global policy shift; China, the world's largest car market, is planning to require that 40% of all cars sold in 2030 be new energy vehicles. China has also announced plans to ban vehicles with traditional internal combustion engines; India and several European countries and cities are also planning similar bans. The United States should position itself to compete in this new world by retaining or strengthening the current standards, which drive innovation and investment in the technologies needed to succeed in this new era.

Finally, strong standards serve to mitigate the economic risks associated with our continuing dependence on oil as well as climate change. In light of the volatility of fuel prices, strong standards are needed in order to reduce transportation costs for businesses and consumers.

---

[3] http://www.pressreleasepoint.com/auto-suppliers-emission-control-companies-want-consistent-mpg-emission-rules
[4] Economic Implications of the Current National Program v. a Weakened National Program in 2022-2025 for Detroit 3 Automakers and Tier One Suppliers
[5] https://www.ceres.org/resources/reports/whats-driving-us-auto-industrys-financial-performance

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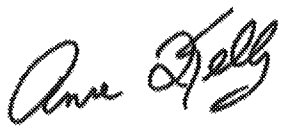
As a result of a shift in fleet mix to larger vehicles, overall fuel economy plateaued from MY2014-2016,[6] which underscores the importance of preserving the standards in order to ensure fuel cost savings and reduce our dependence on oil. In addition, climate change presents significant long-term risks to our businesses as well as the global economy. Strong standards will serve to mitigate that risk by providing significant GHG reductions; the MY 2022-2025 standards are projected to save approximately 540 million metric tons of GHG emissions and reduce oil use by 1.2 billion barrels.[7]

In sum, as shown by the success of the program to date and multiple analyses, the current standards will strengthen the U.S. economy, save businesses and consumers money, enhance the global competitiveness of the U.S. auto industry, provide the regulatory certainty needed to spur innovation, reduce both our dependence on oil and climate risk, and create jobs. Given that 13 states, representing over a third of the U.S. vehicle market, have committed to the National Program, weakening it would lead to regulatory uncertainty and delay, and undermine its economic and environmental benefits. We strongly support the rights of those states to choose to take advantage of those significant benefits.

Sincerely,



Anne Kelly
On behalf of Business for Innovative Climate and Energy Policy [BICEP]
Senior Director, BICEP

CC: Michael Catanzaro, Special Assistant to the President
Heidi King, Deputy Administrator, NHTSA
William Wehrum, Assistant Administrator, OAR, EPA

Governor Jerry Brown, California
Attorney General Xavier Becerra, California
Governor Dannel Malloy, Connecticut
Attorney General George Jepsen, Connecticut
Governor John Carney, Delaware
Attorney General Matthew P. Denn, Delaware
Mayor Muriel Bowser, District of Columbia
Attorney General Karl A. Racine, District of Columbia
Attorney General Tom Miller, Iowa
Governor Paul LePage, Maine
Attorney General Janet T. Mills, Maine

---

[6] University of Michigan Transportation Research Institute http://www.umich.edu/~umtriswt/EDI_sales-weighted-mpg.html
[7] Final Determination at 7 https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100QQ91.pdf

ED_002480_00087950-00003

Governor Larry Hogan, Maryland
Attorney General Brian Frosh, Maryland
Governor Charlie Baker, Massachusetts
Attorney General Maura Healey, Massachusetts
Governor Phil Murphy, New Jersey
Attorney General Gubrir S. Grewal, New Jersey
Governor Andrew Cuomo, New York
Attorney General Eric T. Schneiderman, New York
Governor Kate Brown, Oregon
Attorney General Ellen F. Rosenblum, Oregon
Governor Tom Wolf, Pennsylvania
Attorney General Josh Shapiro, Pennsylvania
Governor Gina Raimondo, Rhode Island
Attorney General Peter F. Kilmartin, Rhode Island
Governor Phil Scott, Vermont
Attorney General T.J. Donovan, Vermont
Governor Jay Inslee, Washington
Attorney General Bob Ferguson, Washington

Patrick McDonnell, Secretary of the Commonwealth of Pennsylvania Department of Environmental Protection

ED_002480_00087950-00004

Message

From: The Embassy of Canada [environment@canadianembassy.org]
Sent: 3/26/2018 2:00:17 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: You are invited: Canada-U.S. Collaboration in the Electric Sector

RSVP

The Embassy of Canada

in partnership with the

Canadian Electricity Association

cordially invites you to a reception and dinner to discuss

Canada-U.S. Collaboration in the Electric Sector

Thursday, April 12, 2018

Embassy of Canada

501 Pennsylvania Avenue, NW | Washington, D.C.

Cocktail Reception- 5:30 PM

Dinner- 6:30 PM

Keynote Speaker: Bruce Walker, Assistant Secretary, Office of Electricity Delivery and Energy Reliability, U.S. Department of Energy

RSVP and government-issued photo I.D. are required for entry.

Message

From: Sabrina Lockhart [sabrina@cipa.org]
Sent: 3/23/2018 8:54:42 PM
To: Pruitt, Scott [Pruitt.Scott@epa.gov]; Flynn, Mike [Flynn.Mike@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
CC: Kyle.Lombardi@mail.house.gov
Subject: Letter of Support: Region IX Administrator Candidate Ex. 6
Attachments: LTR Support of Ex. 6 03-23-18.pdf

Attached is a letter signed by California Independent Petroleum Association CEO, Rock Zierman, in support of Region IX Administrator Candidate Ex. 6 Please let me know if you have any further questions and I would be glad to assist you.

Thank you for your consideration,

SABRINA LOCKHART
DIRECTOR OF COMMUNICATIONS
CIPA
1001 K STREET, 6TH FLOOR
SACRAMENTO, CA 95814
Ex. 6 WWW.CIPA.ORG

California Independent Petroleum Association
1001 K Street, Sixth Floor
Sacramento, CA 95814
Ex. 6
Fax: (916) 447-1144

CIPA

March 23, 2018

Hon. Scott Pruitt
Administrator
1101A
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 2046

SENT VIA EMAIL

Support: Region IX Administrator Candidate Ex. 6

Dear Administrator Pruitt:

On behalf of the California Independent Petroleum Association (CIPA), I write in strong support of Ex. 6 as the US EPA Region IX administrator.

The 500 CIPA members represent about 70% of California's oil and 90% of natural gas production. We live and work where petroleum is produced, and are very familiar, on a daily operational basis, with federal and state environmental protection laws, regulations and issues.

We are committed to safe and sane environmental policies. We are committed to working with US EPA to fix the egregious excesses of the prior administration, such as the WOTUS mistake, and the regulatory over-reach in California.

Ex. 6 would be an aggressive and immediately effective Region IX administrator – CIPA members can attest to this with the substantial authority cited above.

We commend him to your consideration. Ex. 6

Ex. 6

As a large-scale farmer of a high-value crop, Ex. 6 has boots-on-the-ground experience with environmental protection, natural resources management and the consequences of misguided

regulatory decisions. As a multi-generational steward of land, his goal is to protect the land for the next generation. As someone who signs the front side of a paycheck, he knows well the link between reasonable regulation and economic development.

Appropriately, one of his goals is to bring common sense and real-world knowledge to the Clean Water Act policy by assisting President Trump in repealing the WOTUS Rule and reforming the definition of "navigable waters" in order to prevent future regulatory officials from ruining the lives of productive Americans while protecting national waters.

CIPA respectfully urges you to put Ex. 6 to work in San Francisco as your regional administrator.

Sincerely,

Rock Zierman
Chief Executive Officer
California Independent Petroleum Association

Message

From: Jim Myers Ex. 6
Sent: 4/5/2018 1:14:28 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: A little more on request

Below is the link to The Hill article that includes the EPA's response concerning the memo. That is what I really need to explain the significance of the new approach.

Thanks,

http://thehill.com/policy/energy-environment/381590-epa-memo-gives-pruitt-more-power-over-water-protections-policy

Message

From: Hillenbrand, Dan (Inhofe) [Dan_Hillenbrand@inhofe.senate.gov]
Sent: 3/9/2018 7:03:27 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Missed your call

I am on my cell – Ex. 6

Daniel J. Hillenbrand
Legislative Assistant
Office of U.S. Senator James M. Inhofe (R-OK)
205 Russell Senate Office Building
Washington, D.C. 20510
(202) 224-4721
dan_hillenbrand@inhofe.senate.gov

Message

From: Lyons, Troy [lyons.troy@epa.gov]
Sent: 3/23/2018 8:35:05 PM
To: Tomassi, Chris (Appropriations) [Chris_Tomassi@appro.senate.gov]
CC: Walsh, Ed [Walsh.Ed@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]; Palich, Christian [palich.christian@epa.gov]
Subject: Re: April 25

Thanks, Chris.

Sent from my iPhone

On Mar 23, 2018, at 4:32 PM, Tomassi, Chris (Appropriations) <Chris_Tomassi@appro.senate.gov> wrote:

> We are going to need to change our hearing date b/c we just received word there will be a joint session of Congress at 10:30 that morning with the President of France, which means we cannot hold a hearing when it is happening. I will check back with new dates ASAP, and we'll get something on the books. Apologies that such is the case.
>
> **Chris Tomassi**
> **Professional Staff**
> **Senate Appropriations Committee**
> **Subcommittee on Interior, Environment, and Related Agencies**
> Chris_Tomassi@appro.senate.gov

Message

From: Stuart Jolly Ex. 6
Sent: 3/9/2018 6:55:39 PM
To: Darwin, Henry [darwin.henry@epa.gov]
CC: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: New Water Main Break Study
Attachments: Water Main Break Rates In the US and Canada - A Comprehensive Study.pdf

Hi again Henry....hope this email finds you and Ryan doing well!

When we last spoke, I remember you being receptive to the idea of having cities requesting funds from the EPA to "submit water main breaks data by pipe material type".....

Well, the principle of "What gets measured improves", having cities report their breaks by pipe type will set them on a natural course of performance improvement in the clean water area. See the attached study conducted by **Utah State University.** It's amazing what they found!

In "figure 25", the **money chart ~** "...money saved in reducing water main breaks can be allocated to higher priority needs."

We agree...and reporting water pipe breaks by type will also shed some light on the monopoly iron & clay pipe guys have on cities/municipalities.
Let me know your thoughts...and please share!

Have a great weekend...

Stuart

Stuart A. Jolly
Founder & Executive Director

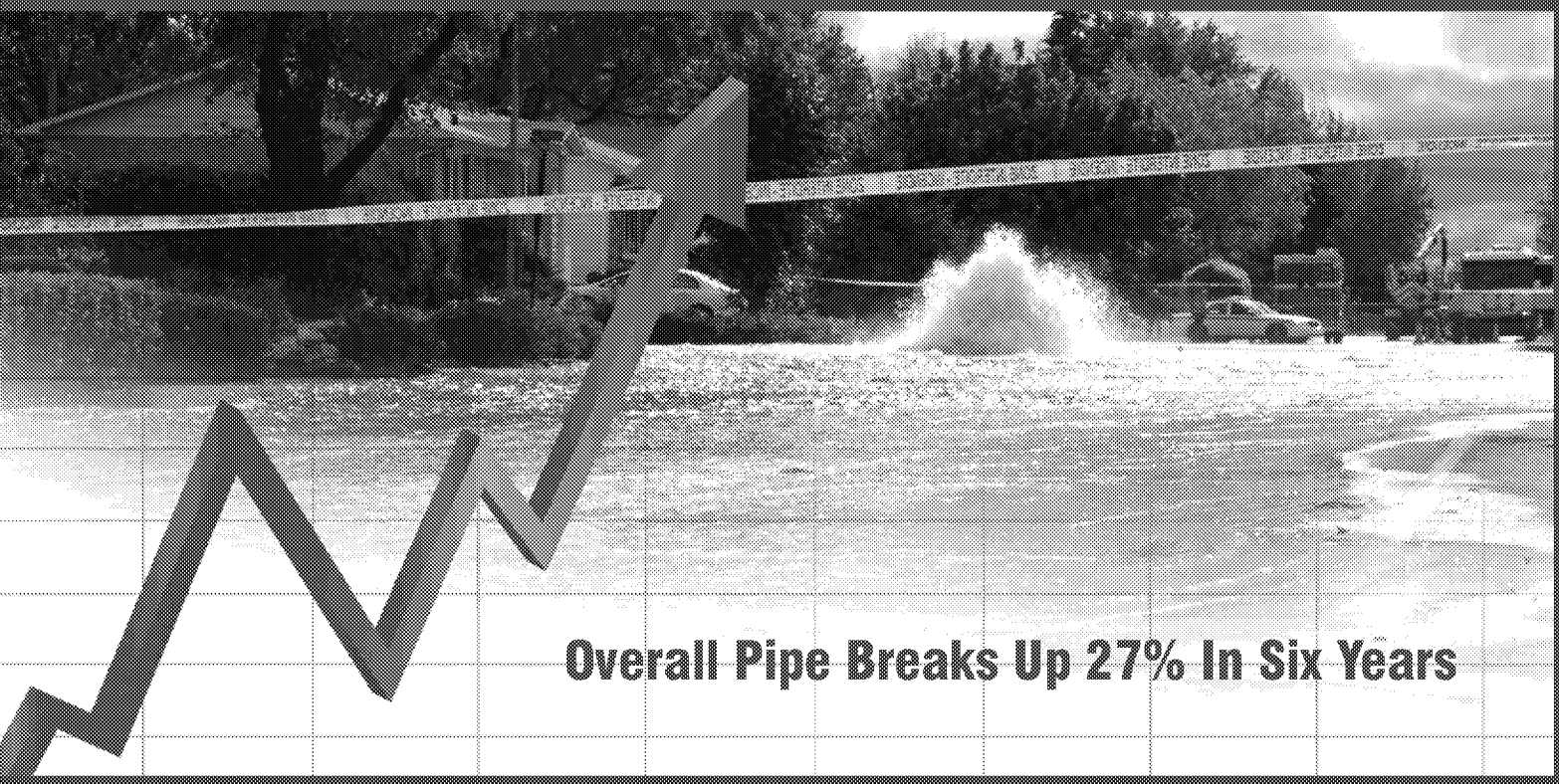
Command Solutions, LLC
Washington D.C. & Nashville, TN

Ex. 6

Water Main Break Rates In the USA and Canada: A Comprehensive Study

March 2018

An Asset Management Planning Tool for Water Utilities



UtahStateUniversity

Utah State University
Buried Structures Laboratory
Steven Folkman, Ph.D, P.E.

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UtahStateUniversity

Executive Summary

The economic prosperity of modern cities is based on a complex infrastructure network located both above and below ground. A critical component to public health and economic well-being is our drinking water which is brought to the tap through an elaborate network of underground pipe distribution systems. Since most of this infrastructure is underground, it is out of sight and often neglected. Empirical data on water main breaks helps utilities in their repair and replacement decision making processes in order to deliver clean drinking water to their customers at an affordable price. This report documents the survey results of water main breaks and operating characteristics at utilities located in the US and Canada. A similar survey was conducted by Utah State University approximately six years ago and published in 2012 (Folkman, 2012). This 2018 report references this previous study to compare and examine changes over time and discuss the importance of water main break data in the context of water asset management planning.

Evidence of Decline

North America's water infrastructure is in decline. The signs of distress surface daily as water mains break creating floods and service disruptions. The loss of service is more than an inconvenience, causing significant social and economic disruptions. Economic impacts include loss of treated water, increased maintenance budgets, overtime hours for service personnel, traffic and business disruptions, and damage to private property. "Aging and deteriorated water mains are threats to the physical integrity of distribution systems, causing adverse effects on flow capacity, pressure, and water quality in drinking water services" (Grigg, et al., 2017). Disruptions due to water main failures are now a common occurrence. The overall assessment of our infrastructure is not good. In 2009, the American Society of Civil Engineers issued a USA Infrastructure Report Card and gave a D- to drinking water and wastewater infrastructure (ASCE, 2009). In a small sign of improvement, the 2017 ASCE Infrastructure Report Card (ASCE, 2017) grade was raised to a D. In the 1990s, a comprehensive American Water Works Association (AWWA) study also indicated that water main replacement was inadequate (Kirmeyer et al., 1994). The AWWA has formally tracked issues and trends in the US. The top concern in the AWWA surveys for both 2016 and 2017 is "renewal and replacement (R&R) of aging water and wastewater infrastructure" (AWWA, 2017).

The Measurement

The most important and critical factor used to quantify the condition and occurrences of failing underground pipe networks is **water main break rates**. Water main break rates are calculated for all pipe materials used in the transport of water to create a measurement to judge pipe performance and durability. Water main break rates for each utility can vary year to year and even seasonally. However, in aggregate, break rates produce a compelling story which can aid in asset management decision making as it relates to defining pipe criticality and costs of repairing and replacing our underground water pipes.

Purpose and Highlights

This comprehensive water main break rate study for the USA and Canada compiles the collective experience of 308 utilities which should be used for making future pipe replacement decisions. It is the desire of the researchers and participants to offer data and analysis that utility managers, engineers and elected officials can apply to the circumstances of their own operations to facilitate water infrastructure asset management planning and pipe replacement decision making. The objective is to reduce operating costs, service level impacts and health risks to their customers. Highlights of the water main break study include aggregate data on pipe material break rates, the analysis of age and corrosion in failure modes, related observations on pressure, delivery demands, effects of soil corrosivity, and new national metrics for pipe replacement rates and population served per mile of pipe.

The Primary Researcher

Dr. Steven Folkman is a registered Professional Engineer, a member of AWWA and a member of the Transportation Research Board Committee on Culverts and Hydraulic Structures, and has oversight of Utah State University's (USU) Buried Structures Laboratory. The Buried Structures Laboratory at USU has been involved in analysis and testing of all kinds of pipe and associated structures for over 50 years. Previous directors include Dr. Reynold Watkins and Dr. Al Moser who are internationally recognized experts. Dr. Moser and Dr. Folkman are coauthors of the widely used text, *Buried Pipe Design* (McGraw Hill, 3rd Edition). Dr. Folkman's expertise includes structural dynamics, linear and nonlinear finite element analysis utilizing soil/structure interaction, and testing. The USU Buried Structures Laboratory is recognized as one of two laboratories in the United States for performing large scale tests on buried pipes. It is from this expertise and background that the surveys of water main breaks were developed and analyzed to complete this comprehensive study.

Major Findings

The comprehensive nature of this study has provided a national water infrastructure condition assessment and review comparing pipe material performance. Additionally, several national-level metrics which utilities can use for asset management benchmarking purposes are included.

1. Nearly 200,000 Miles of Pipe Condition and Operation Surveyed

A total of 197,866 miles of pipe were reported by the 308 basic survey participants. Of those, 281 participants were able to provide water main break data covering 170,569 miles of pipe. This represents 12.9% of the total length of water mains in the USA and Canada. Equally significant, the utilities providing break data serve a total population of 52,477,346 people. This represents 14.5% of the total population of the US and Canada. The survey recorded 23,803 failures that needed repairs which is a significant basis for break data. It is one of the largest surveys conducted on water main failures and the results give an accurate representation of water main performance and operating conditions in North America. This report can be used to update "average estimated service life" assumptions for pipe materials when considering asset management pipe renewal and replacement decision-making.

2. Break Rates Have Increased 27% in the Past Six Years

Between 2012 and this 2018 report, overall water main break rates increased by 27% from 11.0 to 14.0 breaks/(100 miles)/year. Even more concerning is that break rates of cast iron and asbestos cement pipe, which make up 41% of the installed water mains in the US and Canada, have increased by more than 40% over a 6-year period.

3. 82% of Cast Iron Pipes are Over 50 Years Old and Experiencing a 46% Increase in Break Rates

Cast iron (CI) pipes represent the largest pipe material inventory in North America. 82% of all CI pipe is over 50 years old and their break rates have increased significantly by 46% since 2012 and are expected to continue to increase. 27% of asbestos cement (AC) pipe is also over 50 years in age and AC pipe breaks have increased by 43% in that same 6-year period. CI and AC pipe together are mostly responsible for the spike in overall break rates since 2012. Utilities with large amounts of cast iron and/or asbestos cement pipes may need to accelerate their replacement rates. CI and AC pipes are no longer manufactured and many are reaching the end of their expected lives.

4. Nationwide One Mile of Installed Water Main Serves 308 People

While the industry has assumed 325 people are served for 1 mile of distribution system pipe in urban areas, this survey finds a new national metric of 308 people served per mile of pipe regardless of utility size (or 191 people/km). The data indicates that an average utility has 607 miles of pipe and serves a population of 186,752 people.

5. 85% of Water Main Inventory is Less Than 12" in Diameter

67% of all water mains are 8" (200 mm) or less in diameter and the range of 10" to 12" (250 to 300 mm) sizes make up another 18% of all installed water mains.

6. Smaller Utilities Have Two Times More Main Breaks Than Large Utilities

The survey results show that smaller utilities can have break rates more than twice as high as larger ones. This may be attributable to the fact that larger utilities are better funded which results in improved data, engineering design, installation procedures, and asset management practices. A small or rural utility would typically have more pipe miles per customer. This can result in greater financial burdens in maintaining their water systems compared to larger or urban utilities.

7. Pipe Material Use Differs by Region

Water main pipe material usage varies significantly over geographic regions (see Figure 11). This suggests that the selection and use of pipe materials are based on historical preference versus comparative cost analysis or environmental conditions. The upper northwest and eastern half of the USA (Regions 1, 4, 6, 7, and 8 as illustrated in Figure 1) have either cast iron or ductile iron pipe for much of the installed pipe length. Regions 3, 5, and 9 have more PVC pipe than any other material. The most common pipe material in Region 2 is asbestos cement and it is unique in that respect.

8. A Large Data Set Provides Increased Accuracy

The water main break experiences of one utility may not represent another. Factors such as climate, pipe material, installation practices, and soil corrosivity can greatly affect failure rates. Design and installation practices are very important. Every utility should properly design and install pipe - regardless of material. Many previous studies have

been based on a small subset of large utilities. This study provides an increase in accuracy due to the extensive participation of utilities.

9. Four Types of Pipe Materials Make Up 91% of Water Mains

91% of the installed water mains utilize a combination of cast iron (CI) at 28%, ductile iron (DI) at 28%, polyvinyl chloride (PVC) pipe at 22%, and asbestos cement (AC) at 13%. The remaining 9% of pipes used are represented by polyethylene (HDPE), steel, molecularly oriented PVC (PVCO), concrete steel cylinder (CSC), and other materials.

10. PVC Pipe Has the Lowest Overall Failure Rate

When failure rates of cast iron, ductile iron, PVC, concrete, steel, and asbestos cement pipes were compared, PVC had the lowest overall failure rate. This was also the case in the 2012 survey and is confirmed by other industry sources. A lower failure rate contributes to a lower total cost of ownership and helps confirm the performance and longevity of PVC pipes. PVC is not subject to corrosion, unlike ferrous and concrete steel cylinder pipes.

11. Corrosion is a Major Cause of Water Main Breaks

75% of all utilities surveyed reported one or more areas with corrosive soil conditions. Utilities with a higher percentage of iron pipe may experience a higher percentage of corrosion related breaks. This would especially apply to pipe installed without an increased investment in condition assessment, pipe monitoring and corrosion control measures. Corrosive soils and other environmental risks drive up the total cost of ownership. The most common failure mode reported in the detailed survey is a circumferential crack which is the most common failure mode of cast iron (CI) and asbestos cement (AC) pipes. Corrosion issues can be a contributor to many failure modes.

12. Cast Iron Pipe Has 20 Times More Breaks in Highly Corrosive Soils Than in Low Corrosive Soils

Analyses of soil corrosivity completed in this study shows that a cast iron (CI) pipe in highly corrosive soil is expected to have over 20 times the break rate of a CI pipe in low corrosive soil. Traditionally, the thickness of the iron pipe wall provided the additional corrosion protection. CI pipes manufactured after World War II have significantly higher failure rates due to thinner walls. The resulting higher main breaks with iron pipes due to corrosive soils is consistent with other research and studies.

13. Newer and Thinner-Wall Ductile Iron Pipe Has 10 Times More Breaks in Highly Corrosive Soils Than in Low Corrosive Soils

Ductile iron (DI) pipe in highly corrosive soil has over 10 times the break rate than a DI pipe in low corrosive soil. Cast iron (CI) and DI pipe corrode at about the same rate. Corrosion is an important failure mode for CI pipe and is the predominant failure mode for DI pipe. The many types of corrosion can also be combined with other environmental and operating conditions, all contributing to water main failures. Because the wall thickness of DI pipe has decreased over time, internal and external corrosion are a bigger concern for this pipe product.

14. 80% of Utilities Use Some Form of Corrosion Protection for Ductile Iron Pipe

80% of respondents to the detailed survey indicated they utilized some form of corrosion protection for ductile iron pipe with polywrap being the predominate method.

15. The Average Age of Failing Water Mains is Approximately 50 Years Old

When asked for the typical age of a failing water main, the detailed survey participants reported an average value of 50 years. 43% of water mains are between 20 and 50 years old and 28% of all mains are over 50 years old. In 2012 the average age of failing water mains was reported as 47 years. Based on the detailed survey, the average expected life of installed pipe today is 84 years, up from 79 years in the 2012 study. Given the qualitative nature of these questions, the typical age of a failing water main and expected pipe life have not changed significantly over the past 6 years. While pipe life can be estimated at over 100 years, actual life is affected by soil corrosivity, installation practices, and other factors.

16. 45% of Utilities Conduct Condition Assessment of Water Mains

45% of utilities use some form of regular condition assessment of their water mains. Condition assessment is considered a basic part or early step in the development of an asset management program.

17. Over 16% of Installed Water Mains are Beyond Their Useful Life

A total of 16% of installed water mains are beyond their useful lives (up from 8% reported in the 2012 study) and utilities do not have the funds to replace them. For utilities to survive this trend, and considering 28% of all mains are over 50 years old, improved asset management will be essential. These figures correspond well with an EPA study (EPA, 2002) that shows the amount of pipe needing immediate replacement is growing rapidly.

18. The National Rate of Pipe Replacement is 125 Years

According to the survey, an average of 0.8% of installed pipe is replaced each year. This equates to a 125-year replacement schedule. Pipe replacement rates should be between 1% and 1.6%, equivalent to 100-year and 60-year depreciation and/or replacement schedules, respectively. In general, pipe replacement rates need to increase. Asset management and life cycle costing practices can help a utility optimize its pipe renewal and replacement activities. The report finds that on average, utilities have a 125-year replacement rate on water main pipes as the new national average.

19. Construction Related Failures are the Same for Both Ductile Iron and PVC Pipes

The detailed survey asked utilities to report the number of failures related to construction activities and identify the pipe material that failed. The vast majority of construction related failures involved either ductile iron (DI) or PVC pipe and the number of failures for each material was essentially identical. Therefore, DI and PVC pipe have an equivalent rate of construction related failures. This points to the need to improve construction practices for underground infrastructure regarding installation, location services and inspection.

20. Acceptance of PVC Pipe for Use in Water Systems Has Increased by 23% Since 2012

PVC pipe approval has increased from 60% of water utilities allowing its use in 2012 to 74% of utilities allowing its use in 2018. The number of utilities approving of ductile iron, concrete steel cylinder, and steel pipes for use in water systems remains essentially the same.

21. Open Cut Remains the Primary Pipe Installation Method

Open cut pipe installation/replacement remains the primary method used. Where open cut is difficult, other installation methods are used. 62% of utilities have used directional drilling and it is highly recommended in locations where open cut replacement is difficult.

22. The Average Supply Pressure is 69 psi With the Average Maximum at 119 psi

Pressure is an important component in pipe design and material selection. A well-controlled system operated below design limits will lead to extended pipe life. The basic survey provided an average operating pressure of water mains as 69 psi, which is well below the pressure rating of most water mains. The reported maximum operating pressure in the basic survey had an average value of 119 psi.

23. The Average Daily Gallons Per Day Per Person is 137 With a Peak Demand Factor of 1.8

The average daily water demand for utilities which participated in the detailed survey was 137 gallons per day per person with a peak demand of 251 gallons per day per person. This suggests successful water conservation efforts and "value of water" campaigns nation-wide.

24. Estimated Average Water Loss to Leakage is 10%

A total of 200 utilities provided an estimate of their water loss due to leakage and the average reported value was 10%. This statistically significant number suggests that pressure reduction, leak detection and pipe replacement has contributed to the overall reduction of water loss in water distribution systems.

25. Most Utilities Have a Moderate to High Soil Corrosion Risk

Using soil analysis data, corrosion index values were computed for 281 of the cities that participated in the survey. The study found a direct correlation between soil corrosiveness and break rates of metallic pipes. A typical city has a corrosion risk rating somewhere between moderate and high, demonstrating the importance of corrosion mitigation for water systems.

1.0 Introduction

In the United States and Canada, population growth during three main time periods – 1800s, 1900–1945, and post 1945 – led to the installation of underground water infrastructure. Pipes constructed in each of these three eras could all start to fail at nearly the same time over the next couple of decades for a number of reasons ranging from age and corrosion to inadequate design and poor installation. Additionally, the life span of the materials used has become shorter with each new investment cycle (WIN, 2002).

There are approximately 155,693 public water systems in the United States with 52,110 community water systems providing year-round water services for residents. Over 286 million Americans get their tap water from a community water system (CDC, 2017). These community water systems across the US face the inevitable cost of pipe repair and replacement while dealing with decreasing water quality and increasing water loss. It is believed that at many utilities, pipe replacement levels are inadequate to keep up with the rate of deterioration. Maintaining an obsolete system can cause severe financial hardship for cities as well as increase public health risks. Infrastructure asset management is an approach which can help utilities bring together the concepts, tools, and techniques to manage assets at an acceptable service level at the lowest life-cycle cost. Life-cycle costing and assessment analysis can help utility management select pipe materials with a long-expected life that also contributes to a low cost over the expected life of the pipe, while also considering environmental impacts and risks (see Sustainable Solutions, 2017 or Khurana, 2017).

This study provides key inputs to water asset management's life-cycle cost analysis through a comparison of break-rates of commonly used pipe materials. Also, utility operating characteristics given in this report can provide the pipeline designers and system operators with reference values to plan for system replacement and expansion.

1.1. Aging Water Infrastructure

In 2007, the Conference of Mayors conducted a survey of over 300 cities representing over 55 million citizens and over 186,149 miles of water distribution mains (US Conference of Mayors, 2007). A high majority (86.2%) of cities use the number of water main breaks per unit length to evaluate drinking water pipe performance. The survey results concluded that water main breaks continue to be a major concern with 45% of cities experiencing more than 50 breaks annually. Cities also stated that repair and replacement cycles require a long-term view: 43% of city drinking water pipe system repair and replacement cycles extend beyond 50 years; and, 65% of city sewer pipe system repair and replacement cycles extend beyond 200 years. Water operation and maintenance managers recognize that older pipe systems may be constructed with multiple materials such as concrete, cast iron, wood, and some of these pipes may be over 125 years old. Asset inventory, condition assessment and asset management planning practices provide valuable information to enable utilities to more efficiently replace older pipes constructed with underperforming materials.

The EPA's Aging Water Infrastructure research program (EPA, 2010) is working toward the goal of making our nation's water infrastructure sustainable by supporting research and by promoting strategic asset management. The current efforts of the American Society of Civil Engineers Grand Challenge (ASCE, 2017) also helps engineers focus on improving the nation's infrastructure report card grade. ASCE's Grand Challenge aims to enhance the performance and value of water infrastructure by 2025 with a focus on innovation, life cycle costing and transformational change from design to delivery.

The water industry has seen many types of academic surveys and studies on water main replacement programs and the benefits of asset management, condition assessment and prioritization. However, many utilities have not historically tracked all of the elements of water main break data. Over the past 20 years, most utilities have come to realize the importance of tracking all aspects of their infrastructure in a GIS-centric platform and have collected records on the types, sizes, and repair histories of their pipes. As this trend continues, more data and

analysis will be available to the industry to improve water distribution system repair and replacement decision making. This comprehensive report based on statistically significant experiences from 308 utilities also draws from other relevant studies to be the most complete and authoritative study on water main break data based on pipe material. Many water utilities consider pipe breaks to be a crucial factor when deciding which pipes to replace. According to a Water Research Foundation (WaterRF) study, 75% of water utilities cited pipe breaks as a key criterion in pipe replacement decisions. Other common factors noted were pipe age (45%), low flows (40%), condition or material type (30%), and need for pipe size changes (30%). In addition, pipe breaks in a water distribution system are one of three critical metrics that can be used to measure the degree of optimization in the system. The other two metrics are chlorine residual (measuring water quality integrity) and pressure management (measuring hydraulic integrity). Breaks reflect the physical condition of a distribution system (WaterRF, Asset Management, 2017).

According to another WaterRF publication, the average pipe break rate (regardless of cause) for water utilities is between 21 to 27 breaks per 100 miles of pipeline per year. An additional WaterRF study cited an average of 25 breaks per 100 miles per year. Although water utilities typically take action to manage and reduce pipe breaks through monitoring, preventing all pipe failures is impossible (WaterRF, Knowledge Portals, 2017).

2.0 The Survey

2.1. Methodology

During 2017, Utah State University conducted a survey of utilities across the USA and Canada to obtain data on water main failures of water supply systems. The study was comprised of two parts: a basic survey and a detailed survey. The focus of the basic survey was to examine the number of failures utilities were experiencing and how those failures related to the pipe materials used and the age of the failing pipes. This effort focused on water supply mains (sewer and force main pipes were excluded) and excluded pipes with diameters under 3 inches. A variety of pipe materials are used in water supply systems and over the past 100 years the materials have evolved with different manufacturing technologies. As a result, pipe performance has changed. A goal of both the basic and detailed surveys was to look at which materials were performing best at a snapshot in time and to track how pipe age affects failure rates. The focus of the detailed survey was to obtain additional utility operational characteristics, pipe age and size, multi-year failure data, and applications of trenchless technologies.

The primary method used to distribute the surveys was email. A subcontractor experienced at mass emailing was utilized along with multiple email lists. Initial emails were sent to personnel at water utilities during April through June of 2017. This report will refer to the survey results herein as the 2018 study to correspond with its date of publication. Participants were given links to both the basic and detailed surveys and requested to complete both, or at a minimum, complete the basic survey. Follow up phone calls were also used to encourage participation. The basic survey participants were asked for data from a previous 12-month time period and thus the results represent a time period that mostly coincides with the year 2016. A total of 308 utilities responded to the basic survey. Of those, 281 utilities were able to provide water main break data in the basic survey and 98 responded to the detailed survey. This comprehensive study covers 170,569 miles of pipe with water main break data. An additional 27 utilities responded with partial data but are not included in the 170,569 mile total to simplify this report. The USA and Canada

were divided into nine regions and the 281 basic survey respondents were categorized according to the region and the size of the utility based on amount of pipe. This comprehensive study documents the results from both the basic and detailed surveys and draws from other relevant industry sources.

2.2. Objectives and Goals of the Study

There were many objectives of the surveys. These objectives include:

- Understanding the age and size distribution of pipe in water utilities
- Providing utilities with data they can use such as typical and maximum water pressure in water mains, average and maximum daily demands of water, and leakage rates
- Itemizing pipe failures over a time period with the data broken down by material type and age
- Identifying the most common pipe failure modes and materials as identified by the utility
- Determining whether corrosive soils are present, analyzing the influence of corrosive soils on break rates, and identifying corrosion prevention methods being used
- Highlighting pipe replacement plans, expected pipe life of new pipe and condition assessment methods
- Determining which pipe materials are allowed

FIGURE 1: REGIONS USED TO REPORT SURVEY RESULTS

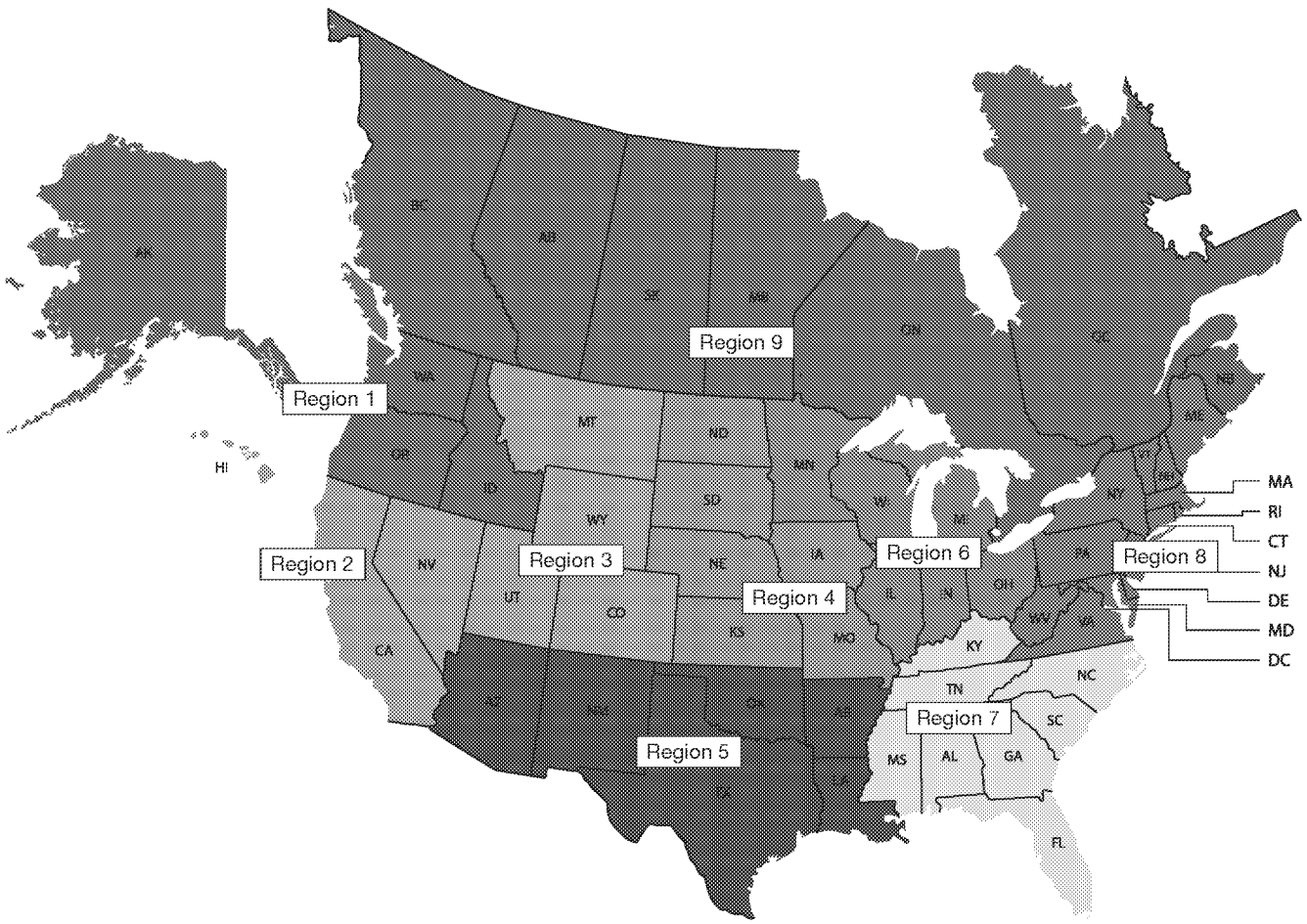


TABLE 1: NUMBER OF SURVEY RESPONDENTS WITH WATER MAIN BREAK DATA BY REGION

	Basic Survey			Detailed Survey		
Region	Number of Respondents	Miles of Pipe	Population Served	Number of Respondents	Miles of Pipe	Population Served
1	18	10,395	3,790,992	9	5,361	2,142,784
2	33	28,096	13,047,139	10	14,781	7,768,396
3	14	9,676	2,611,838	6	7,237	1,729,838
4	24	11,039	1,965,740	7	5,041	960,148
5	44	28,649	5,779,390	18	23,080	3,522,330
6	64	24,220	6,922,536	21	13,312	3,896,092
7	28	20,291	5,508,899	8	8,632	1,020,243
8	35	21,064	5,584,389	9	9,345	1,996,568
9	21	17,138	7,266,423	10	11,307	4,112,900
Total	281	170,569	52,477,346	98	98,097	27,149,299

FIGURE 2: LENGTH OF PIPE FROM EACH REGION THAT RESPONDED TO THE BASIC AND DETAILED SURVEYS

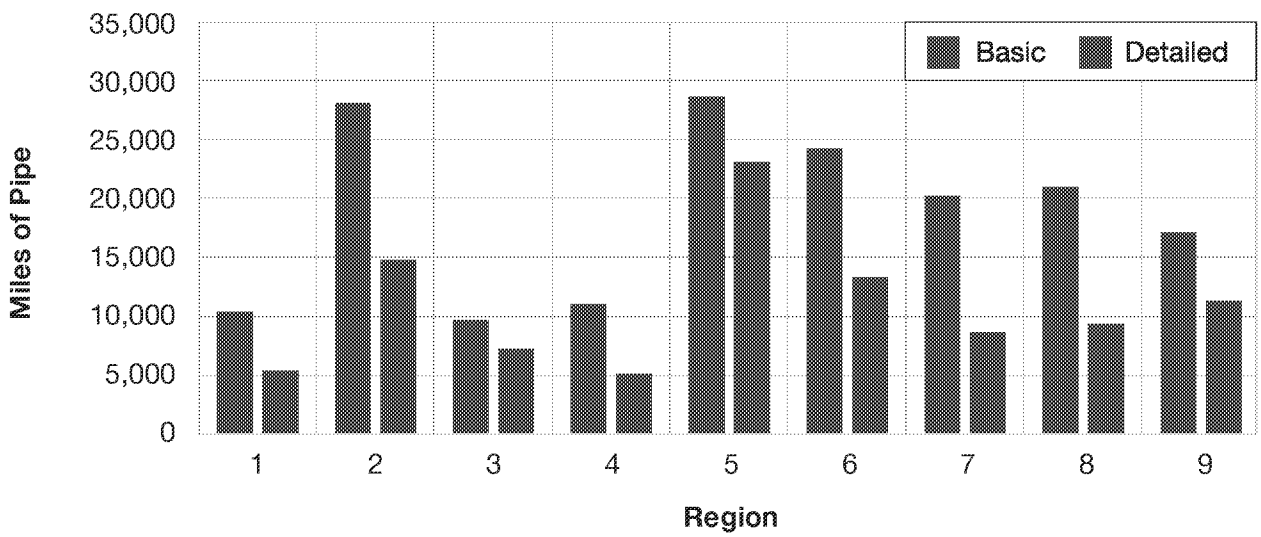
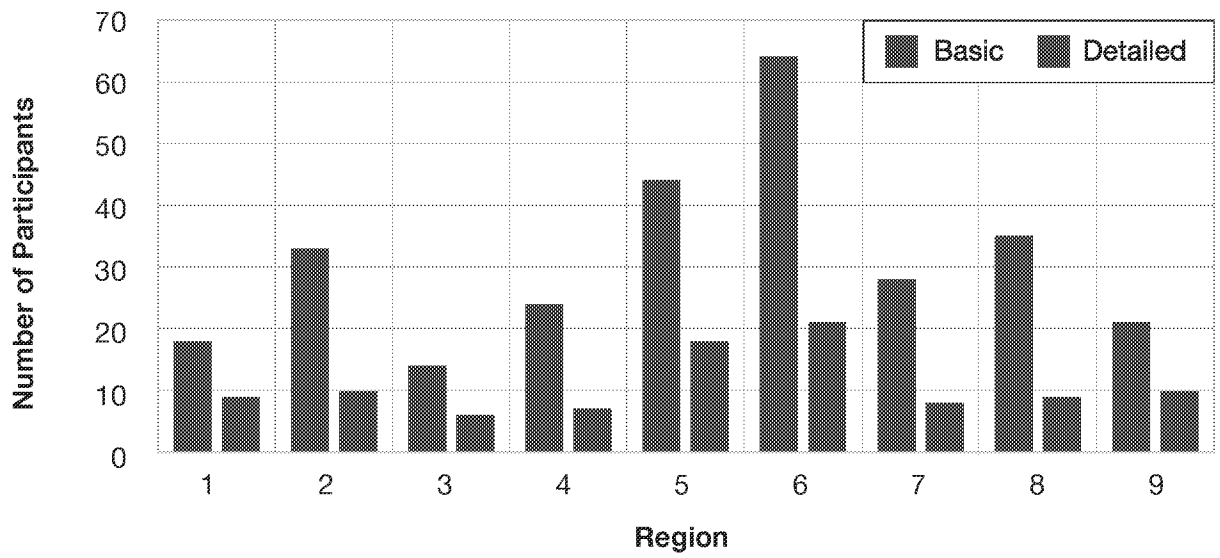


FIGURE 3: NUMBER OF RESPONDENTS FROM EACH REGION THAT RESPONDED TO THE BASIC AND DETAILED SURVEYS



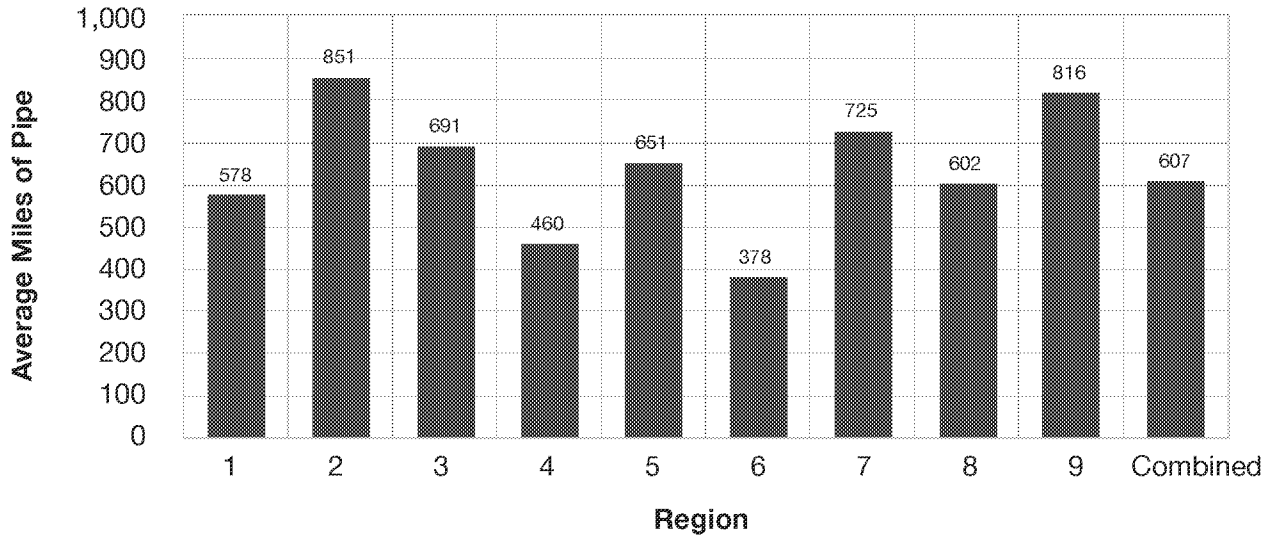
2.3. Survey Regions

In total, 281 utilities participated in the surveys and provided failure data. To examine regional variations, nine survey regions in the United States and Canada were selected. The regions defined in the study are used here to indicate the wide geographical distribution of the respondents. Table 1 lists the number of respondents with failure data, the miles of pipe, and the population served in the basic and detailed surveys from each region. Figure 1 illustrates the locations of the nine different regions used in this report. Respondents were asked to report the length of water supply mains in their system but not to include sewer or force mains or lines with a diameter less than 3 inches. Figure 2 illustrates the miles of water main pipe that were reported in the basic and detailed surveys on a regional basis. A total of 170,569 miles and 98,097 miles of pipe was reported by respondents in the basic and detailed surveys, respectively. Figure 3 illustrates the number of respondents from each region. There were 26 additional respondents to the basic survey that could not provide failure data and these are not included in the miles of pipe or populations served in Table 1. The respondents are distributed across a large survey area. The basic survey was able to get respondents from 48 of the 50 states in the US and 7 out of 10 provinces in Canada. This study is more comprehensive than other studies to date.

Based on miles of pipe shown in Figure 2, the basic survey got the most miles of pipe from Regions 2 and 5. Figure 3 shows that the peak number of respondents came from Region 6.

Figure 4 shows the average miles of pipe per utility for the basic survey by region. Region 2 had the highest average pipe length of 851 miles and Region 6 had the smallest with 378 miles. Overall, based on the basic survey, an average utility participant had 607 miles of pipe and served 186,752 people. For comparison, the 2012 survey results reported an average utility had 626 miles of pipe and served 164,325 people, which are similar results. The 2012 survey had 188 respondents covering 117,603 miles of pipe with failure data and thus the 2018 basic survey had a 49% increase in respondents and 45% more miles of pipe. This increase in survey coverage increases the statistical validity of this study.

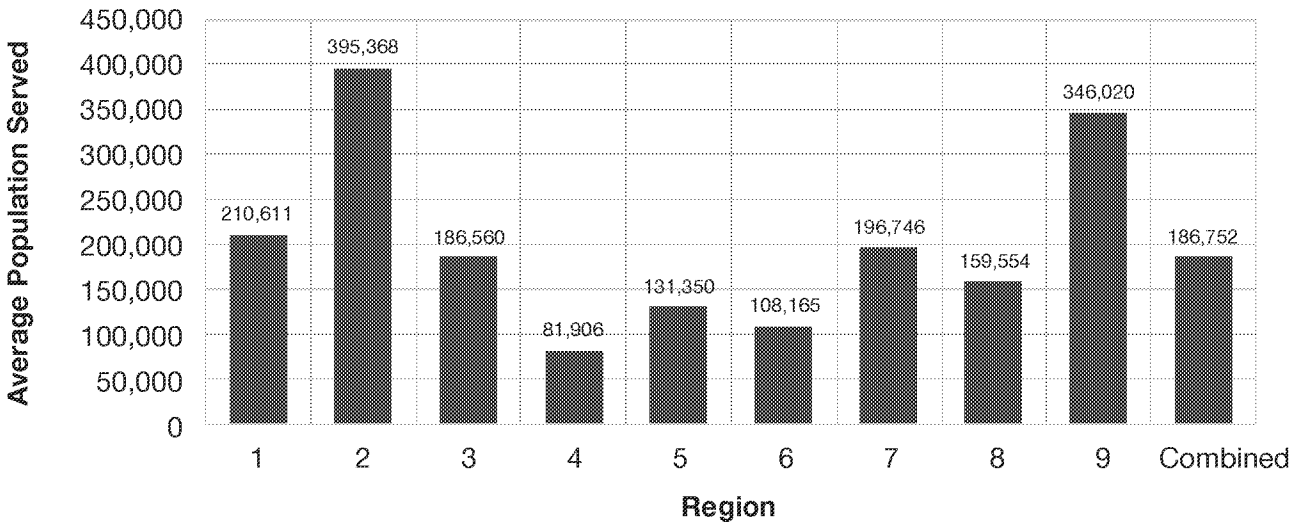
FIGURE 4: AVERAGE MILES OF PIPE FROM EACH REGION RESPONDING TO THE BASIC SURVEY



2.4. Size of Survey Participants

Figure 5 shows the average population served per utility for each region in Figure 1. The average population served per utility for the entire basic survey was 186,752.

FIGURE 5: AVERAGE POPULATION SERVED FROM EACH REGION RESPONDING TO THE BASIC SURVEY

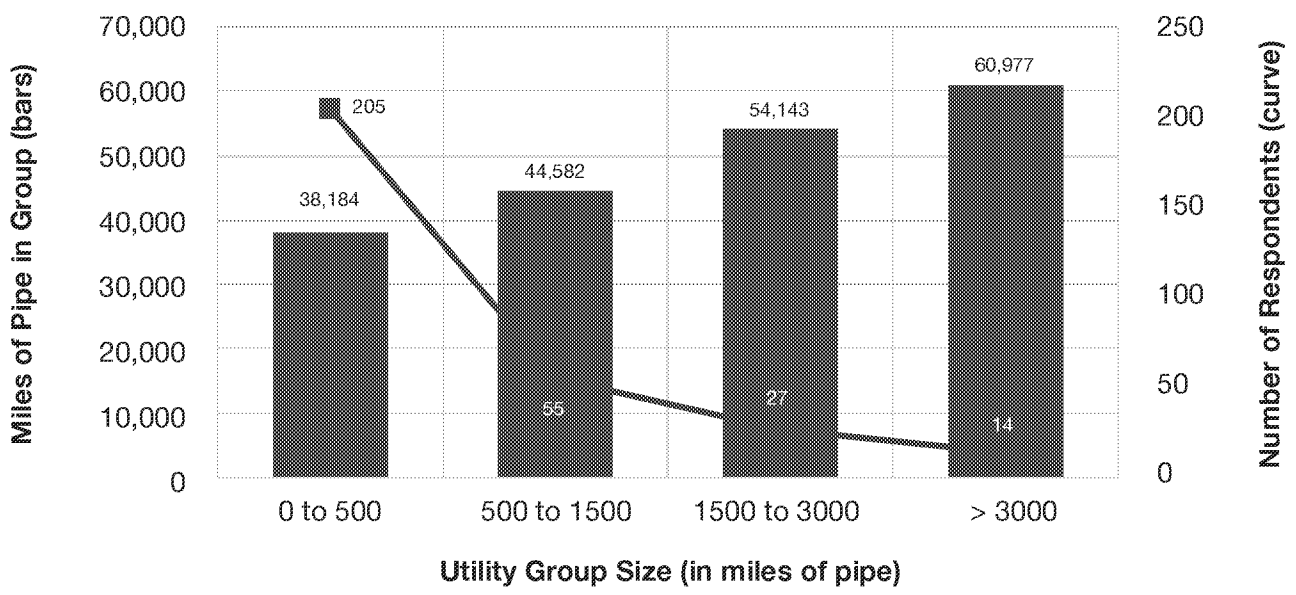


Four categories of utility size were used as shown in Table 2 and each survey participant was allocated to one of the categories based on the miles of installed water mains. Figure 6 shows the distribution of total miles of pipe from the basic survey based on these categories (bar graph) along with the number of respondents (line graph with right axis). Respondents covered the range from very small to very large with each group from Table 2 well represented. In terms of total length of pipe from each of the size groups in Table 2, this survey has reasonable uniform distribution of pipe length from small to large utilities.

TABLE 2: GROUPING OF UTILITY SIZE

Description	Miles of Pipe Installed
Small Utility/City	0 to 500 miles
Medium Utility/City	500 to 1500 miles
Large Utility/City	1500 to 3000 miles
Very Large Utility/City	Over 3000 miles

FIGURE 6: TOTAL MILES OF PIPE IN THE BASIC SURVEY IN EACH SIZE GROUP DEFINED IN TABLE 2 AND THE NUMBER OF RESPONDENTS (CURVE AND RIGHT AXIS)



2.5. Miles of Pipe vs. Population

Figure 7 illustrates the relationship between the population served by the utilities participating in the basic survey and the number of miles of water main pipe. The trend line and equation are a best fit to the data. The slope of this line indicates that there are on average 322 people served for each mile of water main installed. Figure 7 tends to be biased by the points most distant from the origin. Figure 8 utilizes the data in Table 1 to compute average population served per mile of pipe for each region. We see that this produces an overall average of 308 people served per mile. More rural areas such as Regions 3, 4, and 5 have lower population to miles of pipe ratios as expected. Utilities that were exclusively transmission systems were excluded. This compares with a commonly used estimate of 325 people per mile (Eidinger, 2001). The 2012 survey reported this value as 264 people served per mile. Pipe breaks in utilities with a higher count of people per mile would have a greater impact on the community.

FIGURE 7: POPULATION SERVED RELATIVE TO TOTAL MILES OF PIPE FROM THE BASIC SURVEY

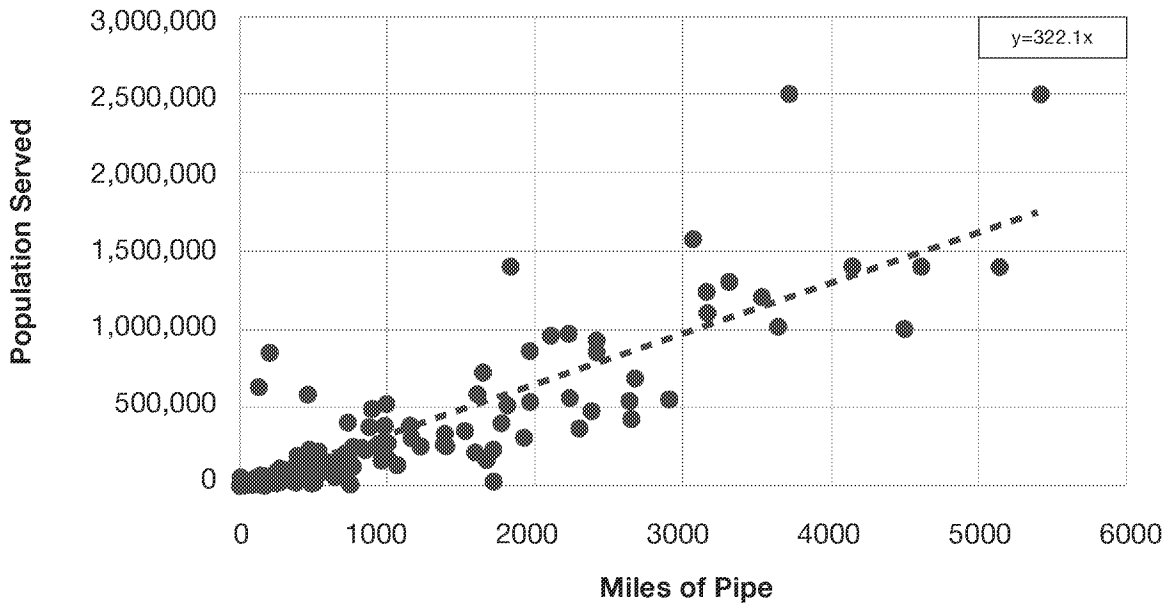
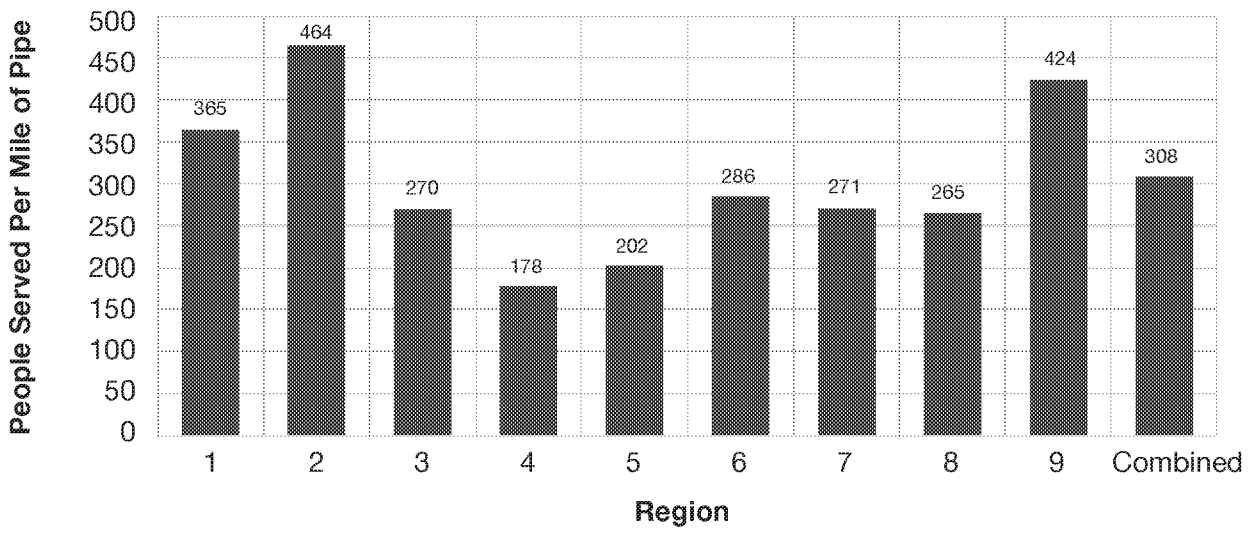
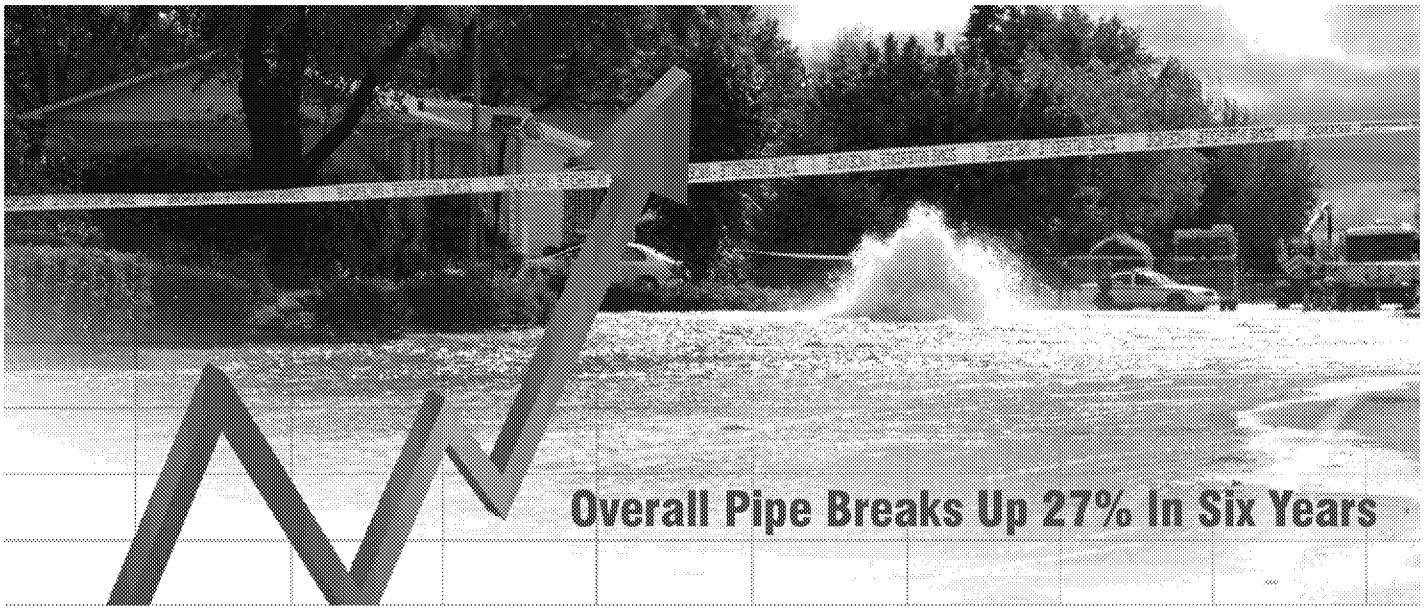


FIGURE 8: POPULATION SERVED PER MILE BY REGION





2.6. Survey Sample Size

The total length of water main pipe reported by the 281 basic survey participants with break data was 170,569 miles (the survey did not include sewer or force mains). Based on an EPA report, there are approximately 880,000 miles of distribution pipe in the USA (EPA, 2007). Other EPA reports (EPA, 2002 and EPA, 2013) estimate the amount of installed water main pipe in the USA at over 1 million miles and 1.5 million miles. Using the above result of 308 people/mile of water main and the current US population of 326.0 million, this produces an estimate of 1.06 million miles of pipe. Currently, a commonly cited value for the length of water mains in the US is 1.2 million miles (Walton, 2016). The population of Canada is estimated at 36.7 million. Assuming there are 308 people served per mile of pipe in Canada, then an estimate of the miles of pipe in Canada is 119,156 miles. Table 3 summarizes this data along with survey results from Table 1 to show that this survey covered approximately 14.5% of the population and 12.9% of the miles of water mains in both the US and Canada. Thus, survey sample size is significant and therefore can provide reliable results.

Small and rural communities may find it challenging to renew their water infrastructure in the coming years. Small utilities have fewer people, and those people are often more spread out, requiring more pipe "miles per customer" than urban systems (AWWA, 2012). This has the effect of increasing the financial burden of maintaining these systems.

TABLE 3: SUMMARY CALCULATIONS OF THE COVERAGE OF THE BASIC SURVEY

	Population	Miles of Pipe
US	326,000,000[1]	1,200,000[3]
Canada	36,700,000[2]	119,156[4]
Total	362,700,000	1,319,156
Survey Response (with break data)	52,477,346	170,569
Survey Coverage (%)	14.5%	12.9%

1- Source: https://www.census.gov/popclock/
2- Source: http://www.worldometers.info/world-population/canada-population/
3- Source: (Walton, 2016)
4- From: the population of Canada 36,700,000 and there are 308 people/mile of pipe.

3.0 Pipe Materials

Table 4 lists the pipe materials and their abbreviation used in this report. Many pipe products have evolved over the years of use, and most pipe products could be broken down into subcategories based on pipe manufacturing and surface treatments. These changes along with new installation techniques should affect life expectancy of the pipe. Both the basic and detailed surveys were intended to be relatively simple to complete and, thus, encourage wide scale participation of the water utilities. Most utilities have limited records as to which specific pipe materials were installed decades ago and what corrosion protection measures were used. Therefore, tracking subcategories of material types was not part of this study.

Figure 9 illustrates the length of pipe reported in the basic survey broken down by pipe material. The "Other" category in Figure 9 includes materials such as copper, fiberglass (FRP), and some galvanized steel. It is noted that galvanized steel was reported in both the steel and other categories by participants, which was unfortunate. Figure 10 illustrates the percentage of total length of water mains separated by pipe material. There is so little HDPE pipe (859 miles) and PVCO pipe (83 miles) in this survey, that these two pipe materials will be added to the of the "Other" category in the remainder of this report. If there are only small amounts of a pipe material utilized, break rates can be highly inaccurate because of large scatter in the data. It is significant to consider that over 91% of the water mains are made from asbestos cement, cast iron, ductile iron, and PVC materials. This is consistent with earlier studies (Stone et al., 2002).

TABLE 4: MATERIAL TYPES AND THEIR ABBREVIATIONS

Abbreviation	Description
AC	Asbestos Cement
CI	Cast Iron
CSC	Concrete Steel Cylinder
DI	Ductile Iron
HDPE	High Density Polyethylene
PVC	Polyvinyl Chloride
PVCO	Molecularly Oriented PVC
Steel	Steel

FIGURE 9: LENGTH OF PIPE SEPARATED BY MATERIAL TYPE FROM THE BASIC SURVEY

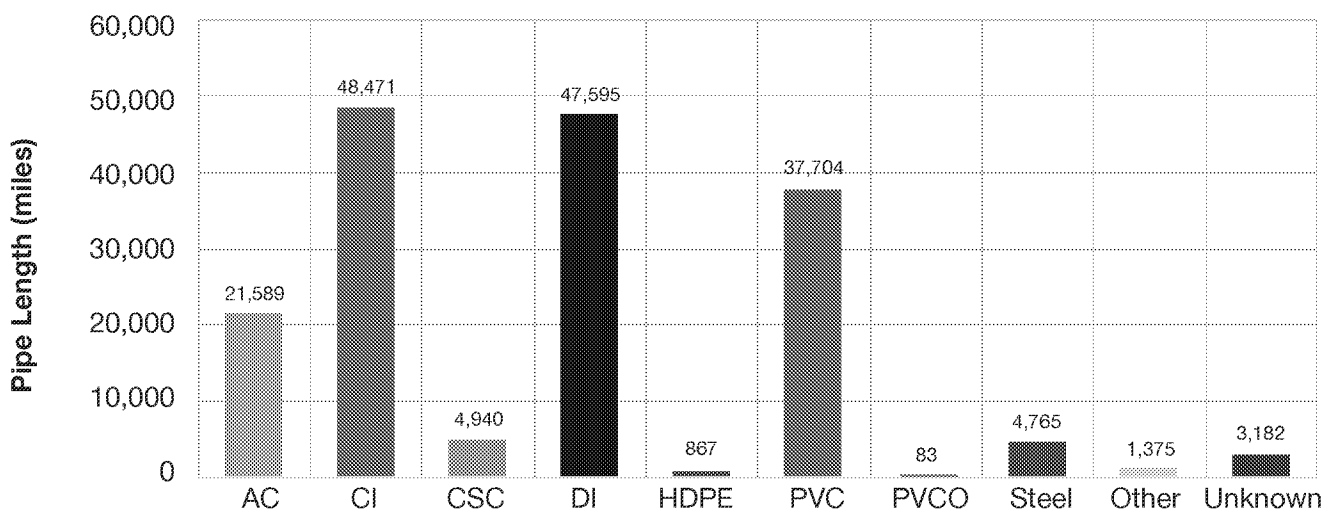


FIGURE 10: PERCENT OF TOTAL LENGTH OF PIPE SEPARATED BY MATERIAL TYPE

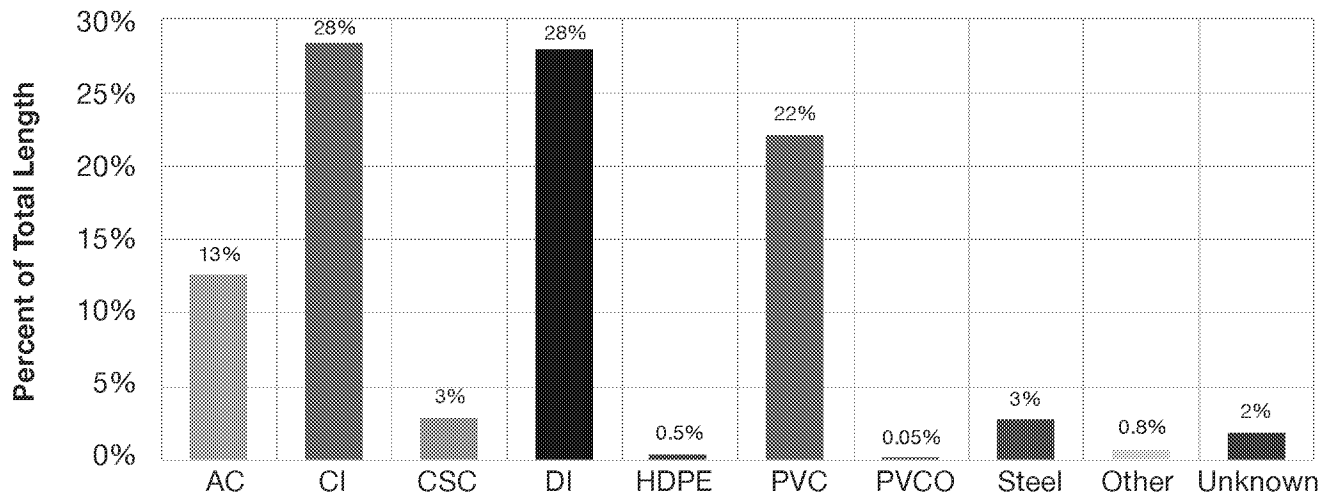


Figure 11 illustrates the regional distribution of pipe material usage as a percentage of the total length in that region. It is interesting to note the significant differences in regional pipe material utilization. Cast iron (CI) and ductile iron (DI) pipe represent approximately 86% of the water mains in Region 6 and over 75% in Regions 4, 7, and 8. PVC has a leading role in Regions 3, 5 and 9 and is slightly behind asbestos cement (AC) pipe in Region 2. AC pipe has a significant presence in Regions 2 and 5. Region 2 is unique in that it is the only region where AC pipe is the most common material. This suggests that the selection and use of pipe materials are based on historical preference versus comparative cost analysis or environmental conditions. Since CI and AC pipes are no longer manufactured in the US and Canada, the use of these materials in water systems should be decreasing with time as they are replaced. By applying asset management best practices, life cycle cost analysis should be used to do a comparative total cost of ownership evaluation of what pipe material should replace the CI and AC pipes.

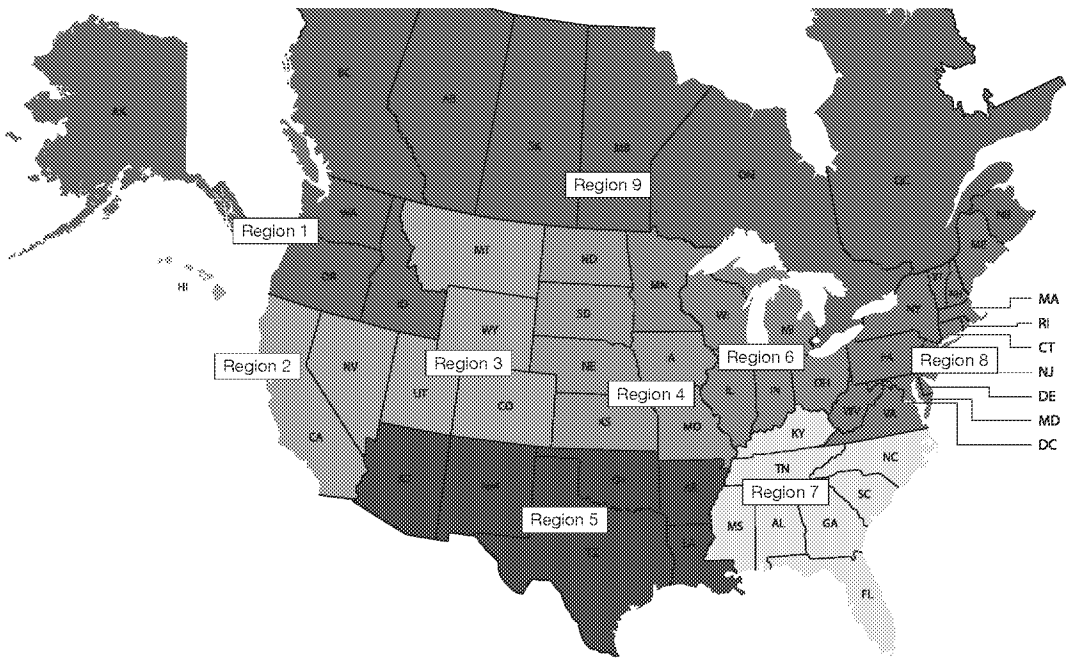
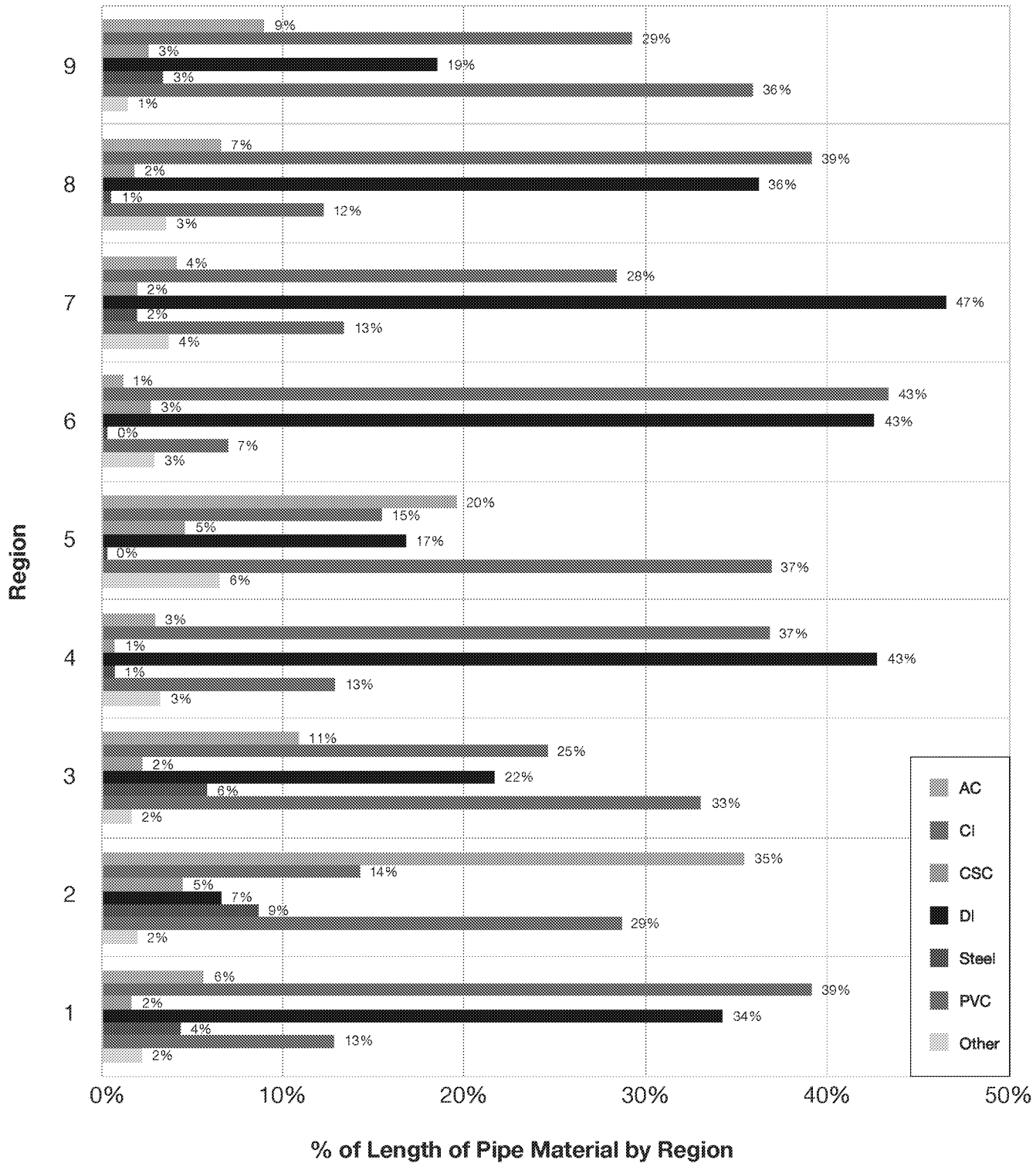


FIGURE 11: REGIONAL PERCENTAGE OF LENGTH OF PIPE BY MATERIAL TYPE (BASIC SURVEY)



3.1. Pipe Age and Diameter

The detailed survey asked respondents to provide the distribution of installed pipe by age and by material type. Four age groups were provided; 0 to 10 years, 10 to 20 years, 20 to 50 years, and over 50 years. Figure 12 shows the age distribution for all pipe materials combined and shows 28% of installed pipes are over 50 years old. Figure 13 illustrates the age distribution for each material type by length. For example, essentially all cast iron pipe is over 20 years old and 18% of it is in the 20 to 50 year category while 82% is over 50 years of age.

Figure 14 shows the age distribution as a percentage of total length of all pipe materials. For example, cast iron pipe older than 50 years is 20% of all installed pipe. For ages between 0 to 10 years, ductile iron (DI) and PVC both have about 5% of the total installed length. The most common pipe materials installed during the last 10 years are DI and PVC.

FIGURE 12: PIPE AGE DISTRIBUTION FOR ALL MATERIAL TYPES FROM THE DETAILED SURVEY

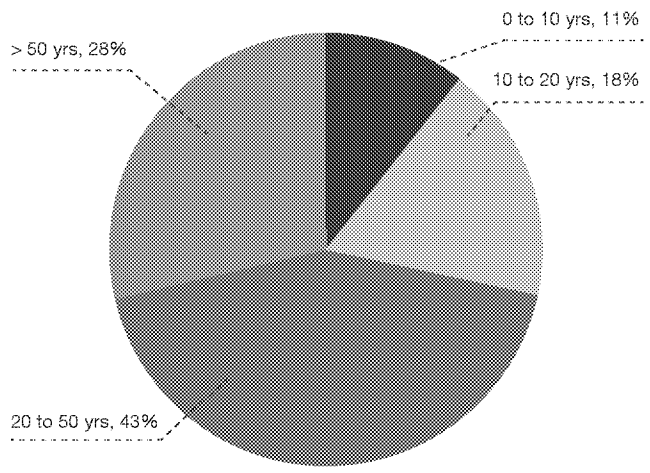


FIGURE 13: PIPE AGE DISTRIBUTION FOR EACH MATERIAL TYPE FROM THE DETAILED SURVEY

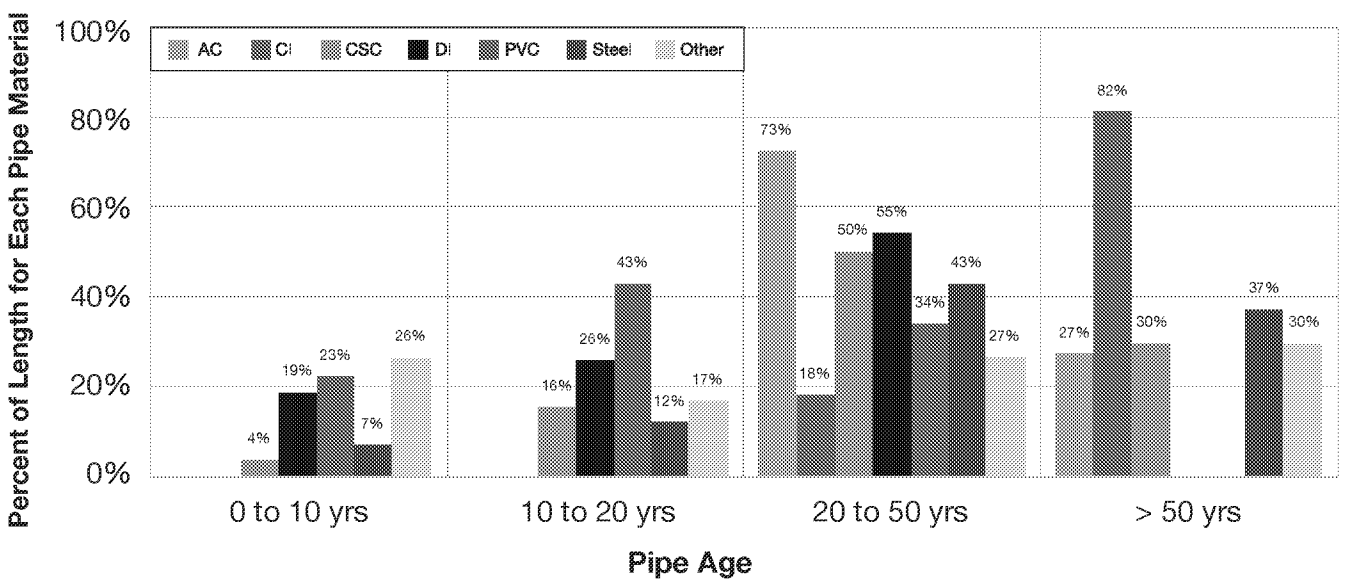
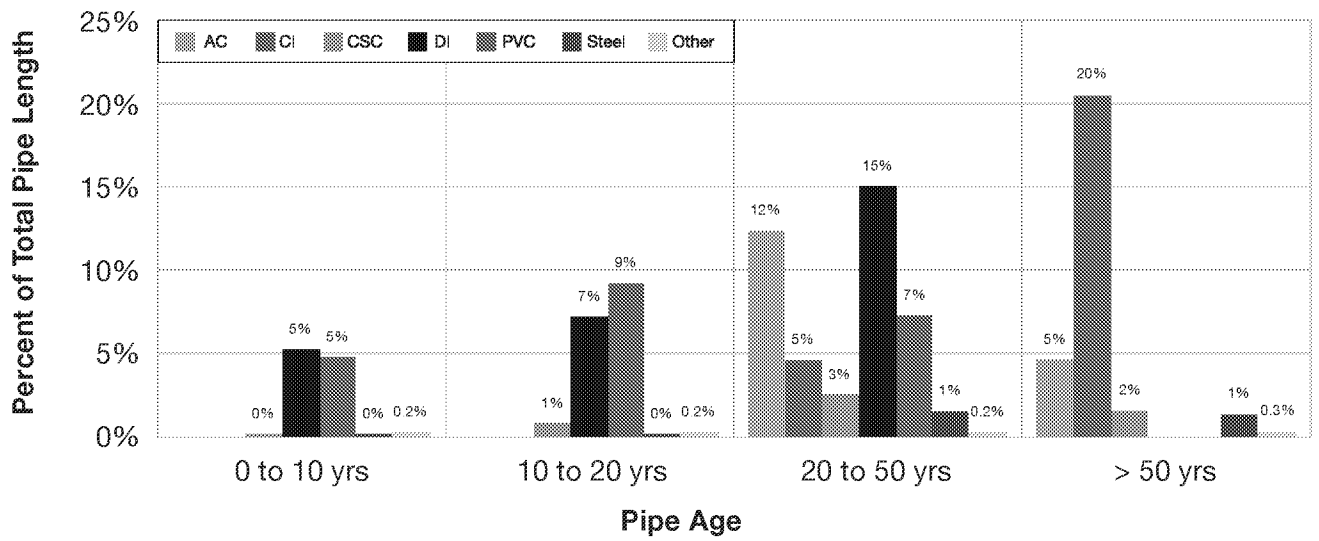


FIGURE 14: PERCENT OF TOTAL LENGTH OF PIPE BY AGE FROM THE DETAILED SURVEY



The detailed survey respondents were also asked to break down the fraction of total installed pipe length by six pipe diameter categories. Figure 15 illustrates the percentage of water main that fit into each size range. Figure 15 indicates that approximately 67% of the installed pipe is 8 inches or less in diameter. The 2012 survey found that 66% of the pipe was 8 inches or less in diameter showing good agreement. Earlier studies assumed 73% of water pipes were 10 inches or less in diameter (Stone et al., 2002). Figure 16 illustrates the diameter distribution for each material type. Figure 16 shows that large diameter transmission pipes are dominated by steel and concrete pipe materials with 18% of all concrete pipe and 14% of all steel pipe having a diameter greater than 48-inches. Figure 17 illustrates the percent of total length of all pipe materials broken down by material type and diameter. Figure 17 illustrates that cast iron pipe from 3 to 8 inches in diameter represents over 19% of the installed pipe.

FIGURE 15: PERCENT OF TOTAL LENGTH OF PIPE BY AGE FROM THE DETAILED SURVEY

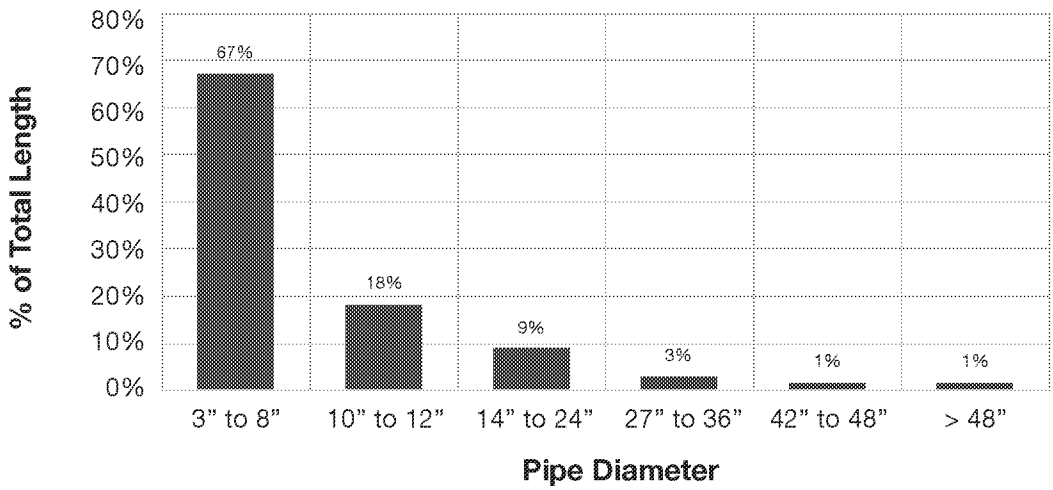


FIGURE 16: PIPE DIAMETER DISTRIBUTION BY MATERIAL TYPE FROM THE DETAILED SURVEY

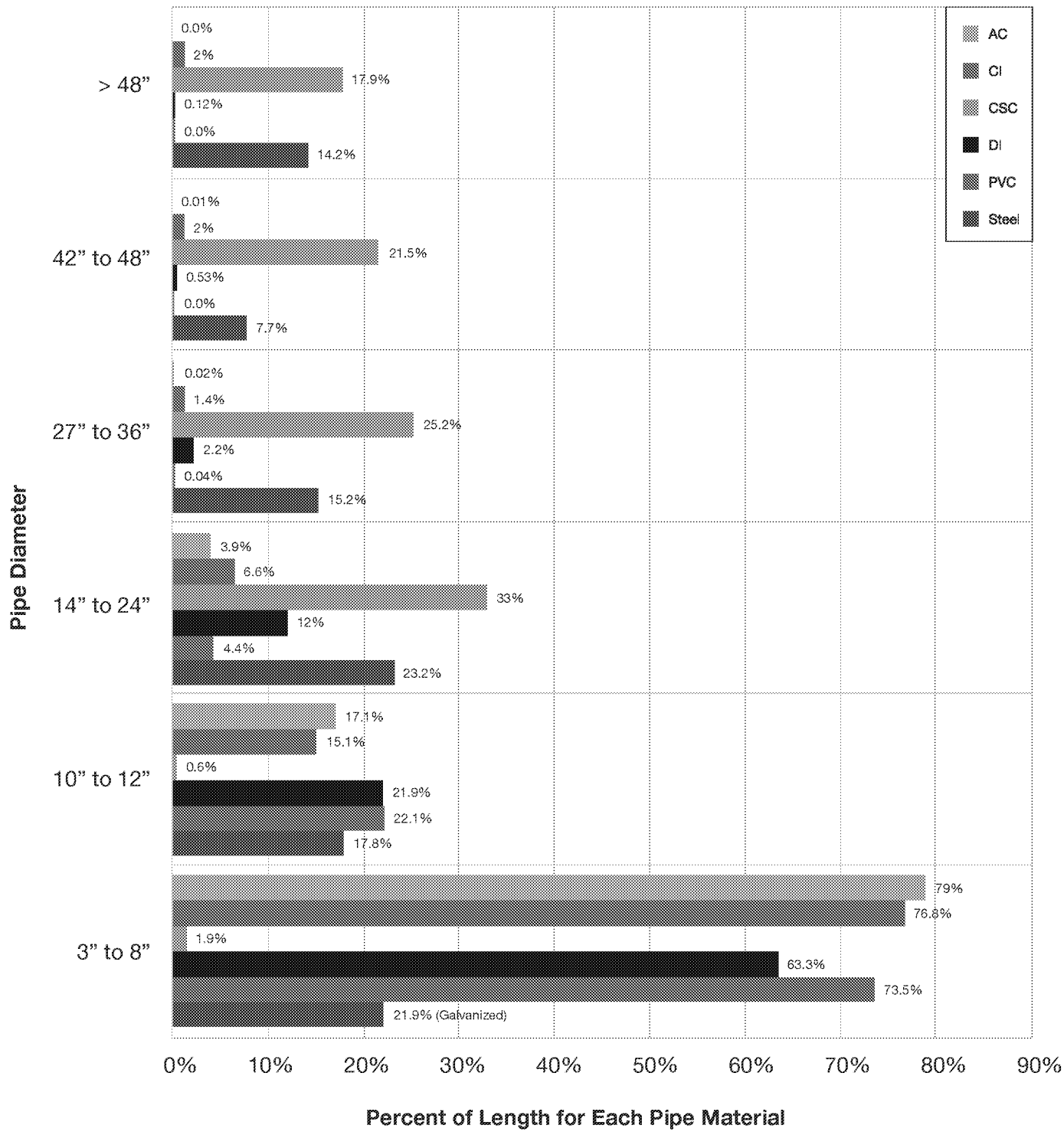
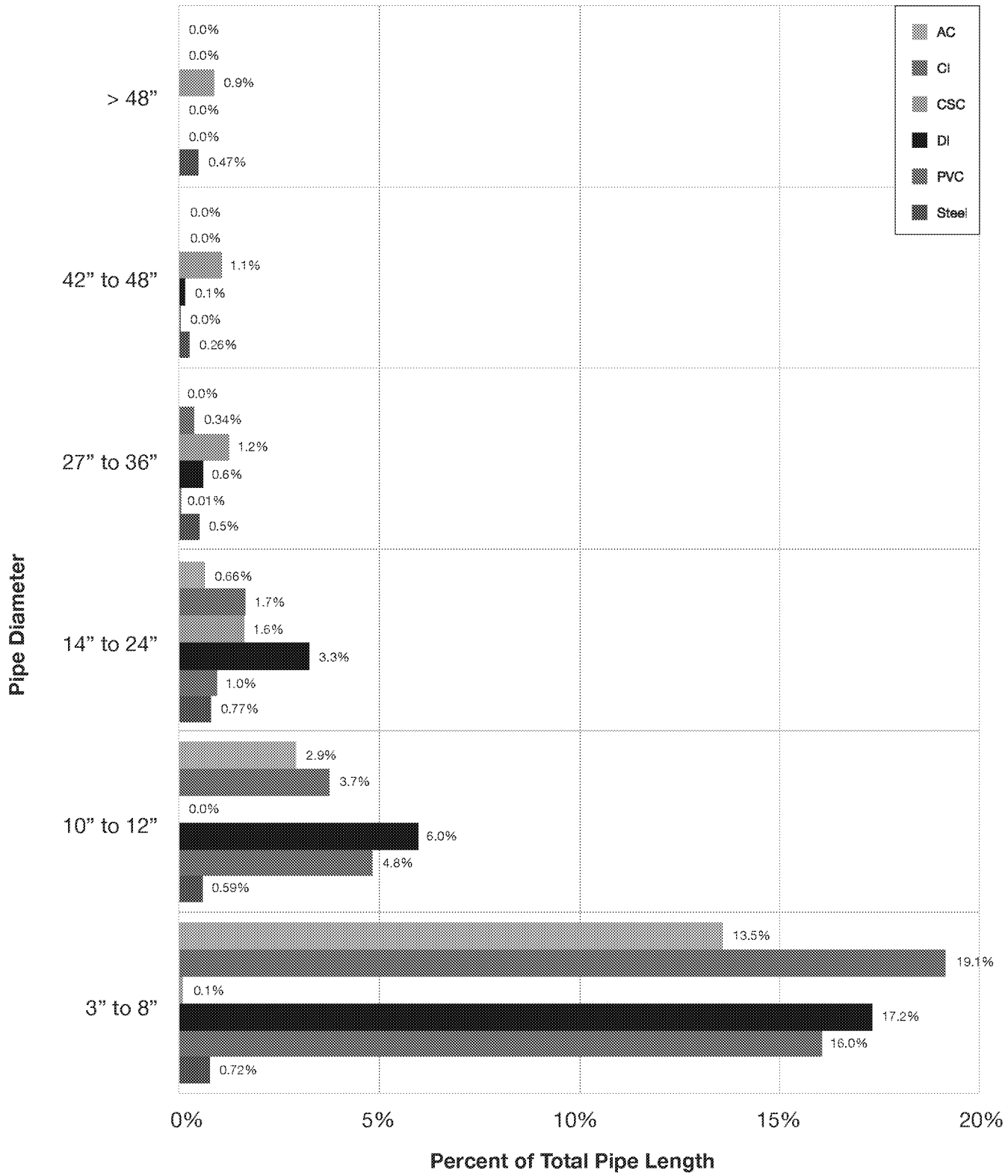


FIGURE 17: PERCENT OF TOTAL PIPE LENGTH BROKEN DOWN BY PIPE DIAMETER AND MATERIAL TYPE FROM THE DETAILED SURVEY



4.0 Delivery Pressure and Volume

The basic survey asked for the average and maximum water supply pressures. The mean values are 69 and 119 psi. The average of the reported values is illustrated in Figure 18. In the 2012 survey, the average pressure was 77 psi which has good agreement with this survey result but also indicates a possible downward trend. It is noted that some utilities have reduced operating pressures to reduce leakage rates. Pressure control and reduction is a common methodology to both reduce water leaks and reduce water main breaks.

The detailed survey asked for the average and maximum daily water demand. The reported values were divided by the population served and averaged. Utilities that were only transmission systems were excluded. The average water demand is 137 gallons per day for each person. The maximum water demand is 251 gallons per day for each person. Water demands are related to the population served. Figure 19 plots each utility's average and maximum demand values in units of MGD (millions of gallons per day) versus the population served in millions. Also provided are linear fit equations to the data (the dotted lines) and their equations. For example, a utility with a population of one million people would have a maximum water demand of 215 MGD and an average demand of 131 MGD.

FIGURE 18: AVERAGE AND MAXIMUM WATER SUPPLY PRESSURES

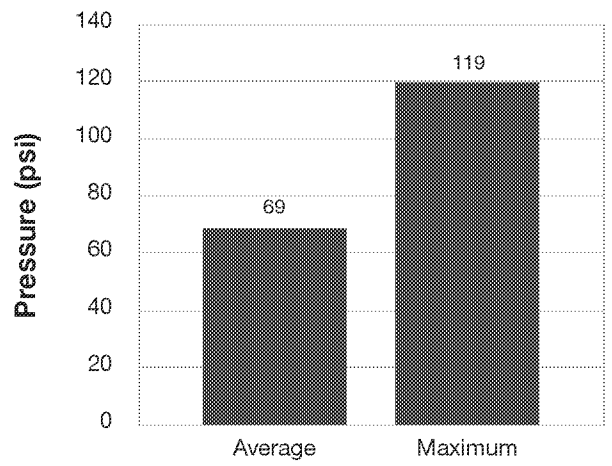
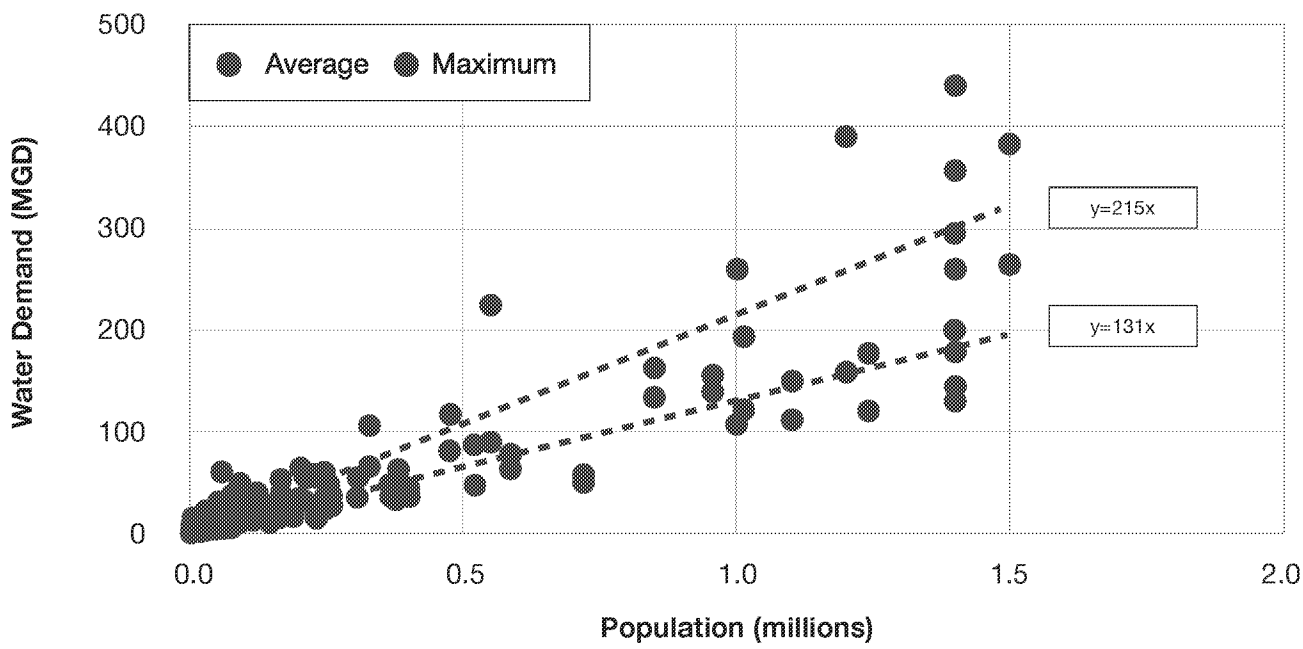


FIGURE 19: AVERAGE AND MAXIMUM WATER DEMAND VERSUS POPULATION



5.0 Computing Water Main Failure Rates

Both the basic and detailed surveys asked respondents to consider a water main failure as one where leakage was detected, and repairs were made. However, they were requested to not report failures due to joint leakage, construction damage, or tapping of service lines because these failures are not indicative of pipe degradation and are often identified early in the first year of operation. The goal was to examine pipe longevity.

Utilities reported the number of failures over a recent 12-month period for each pipe material and the installed length of each pipe material. The failure rate was computed by dividing the total number of failures from all utilities for a particular pipe material by the total length of that pipe material.

For example, the survey reported a total of 23,803 failures of water mains during a recent 12-month period for all pipe materials. The total installed water main length from the survey was 170,569 miles (or 1705.69 hundreds of miles). Thus, the overall failure rate is 23,803/1705.69 = 14.0 failures/(100 miles)/year. This represents a 27% increase from the 2012 survey which had a rate of 11 failures/(100 miles)/year.

This simple method for computing failure rates was used because it discourages biases toward large or small utilities. It is noted that utilities experience widely different failure rates for the same pipe material. Indeed, this should not be surprising. Several significant variables affect the results including pipe age, soil types (corrosive or noncorrosive), different corrosion prevention techniques, different installation practices, and climate such as extreme cold and drought events.

Literature reviews indicate that between 250,000 and 300,000 breaks occur every year in the U.S., which corresponds to a rate of 25 to 30 breaks/(100 miles)/year (Grigg, 2007; Deb et al., 2002). The AWWA Partnership for Safe Water Distribution System Optimization Program goal for a fully-optimized distribution system is 15 breaks per 100 miles of pipe annually (AWWA Partnership for Safe Water, 2011). Pipe material performance and selection is an important component of optimizing distribution systems.

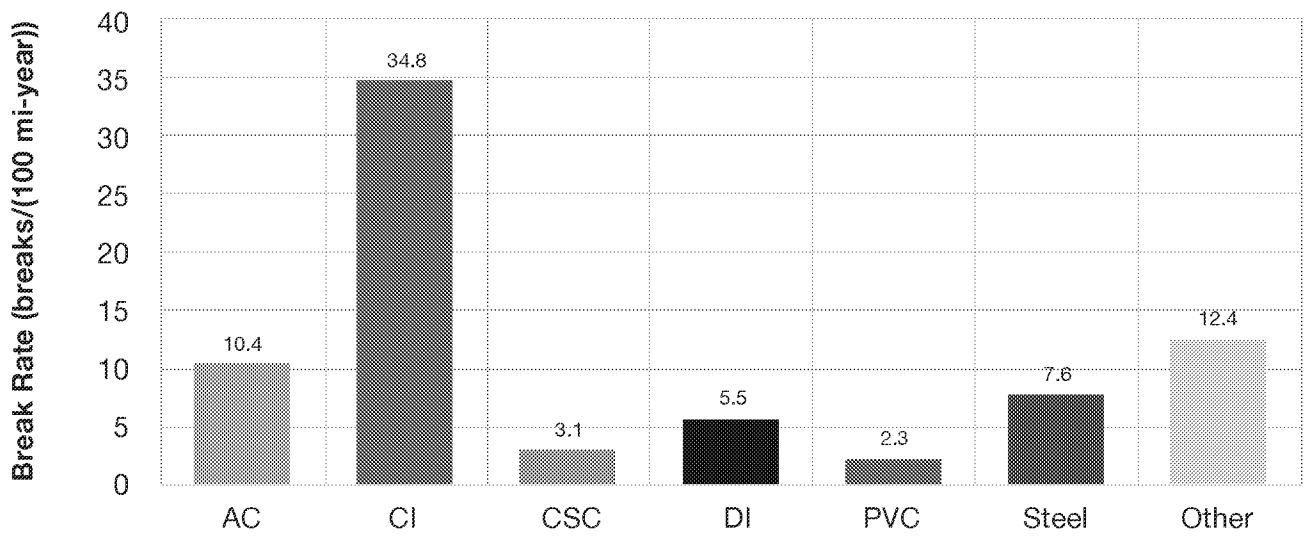
5.1. Failure Rates for Each Pipe Material

The survey measured pipe failures over a recent 12-month period and was broken down by material type. Table 5 lists the total length of pipe by material type, the number of failures (breaks) over a recent 12-month period, the break rate for each pipe material, the 2012 survey break rates, and the percent change in break rates. Figure 20 illustrates the failure rates as a function of material type. In both the 2012 and 2018 surveys, PVC was the pipe material with the lowest break rate.

TABLE 5: SUMMARY OF FAILURE DATA FROM THE BASIC SURVEY OVER A 12-MONTH PERIOD

	Length	Failures	2018 Break Rate	2012 Break Rate	% Change
AC	21,589	2,240	10.4	7.1	46%
CI	48,471	16,864	34.8	24.4	43%
CSC	4,940	152	3.1	5.4	-43%
DI	47,595	2,627	5.5	4.9	13%
PVC	37,704	878	2.3	2.6	-10%
Steel	4,765	362	7.6	13.5	-44%
Other	5,506	680	12.4	21	-41%
Total	170,569	23,803	14.0	11	27%

FIGURE 20: BREAK RATES OF EACH PIPE MATERIAL FROM THE BASIC SURVEY



Comparing this 2018 survey with the 2012 survey in Table 5 shows that overall, break rates increased by 27%. The change is primarily due to failures in asbestos cement (AC) and cast iron (CI) pipes with increases of break rates by over 40%. As Figure 14 shows, AC and CI pipe represent the largest percentage of oldest pipe currently installed and thus are nearing the end of their useful lives. Many studies show that water-main failure rates generally increase exponentially over time (Kleiner, 2002). One could envision a rapid increase in break rates in the future as illustrated in Figure 21. Certain utilities could experience the need to rapidly accelerate the rate at which they are replacing CI and AC water mains. If a break rate doubles, the economic impact is significant; one would need to double the number personnel repairing the breaks along with supplies while loss of treated water increases, and societal impacts could be devastating.

Figure 22 compares the break rates of the 2012 and 2018 surveys. Since over 90% of installed pipe consists of AC, CI, DI, and PVC, the break rates for those material types will be most accurate. From 2012 to 2018, Figure 22 shows a small decrease in break rates for PVC and a small increase for DI pipe. The overall consistency of those values demonstrates they are accurate. Again, the increase in break rates for AC and CI pipes is a very significant observation.

The amount of concrete and steel pipe in this survey is less than 6% of the total installed pipe length. When only a small amount of pipe break data is available, the accuracy of the break rates from survey data will be decreased. The 42% decrease in break rate for concrete pipe was likely due to the fact that over twice as much concrete pipe is in this 2018 survey and should be more accurate. Steel pipe also saw a large decrease in break rates. The break rate for steel pipes are largely attributed to smaller diameter galvanized steel pipes that are rapidly being replaced. Large diameter steel pipes used in transmission lines have a very low break rate.

FIGURE 21: EXPONENTIAL CHANGE IN BREAK RATES

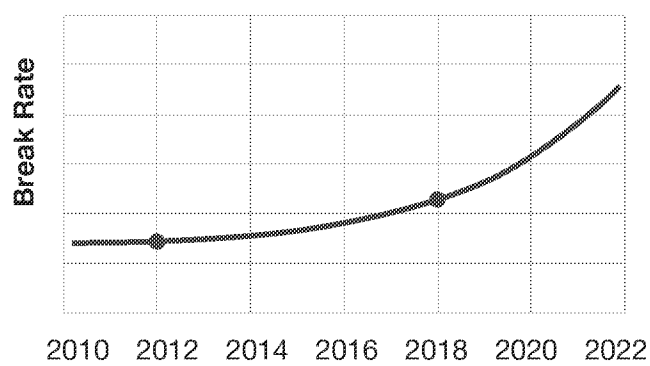
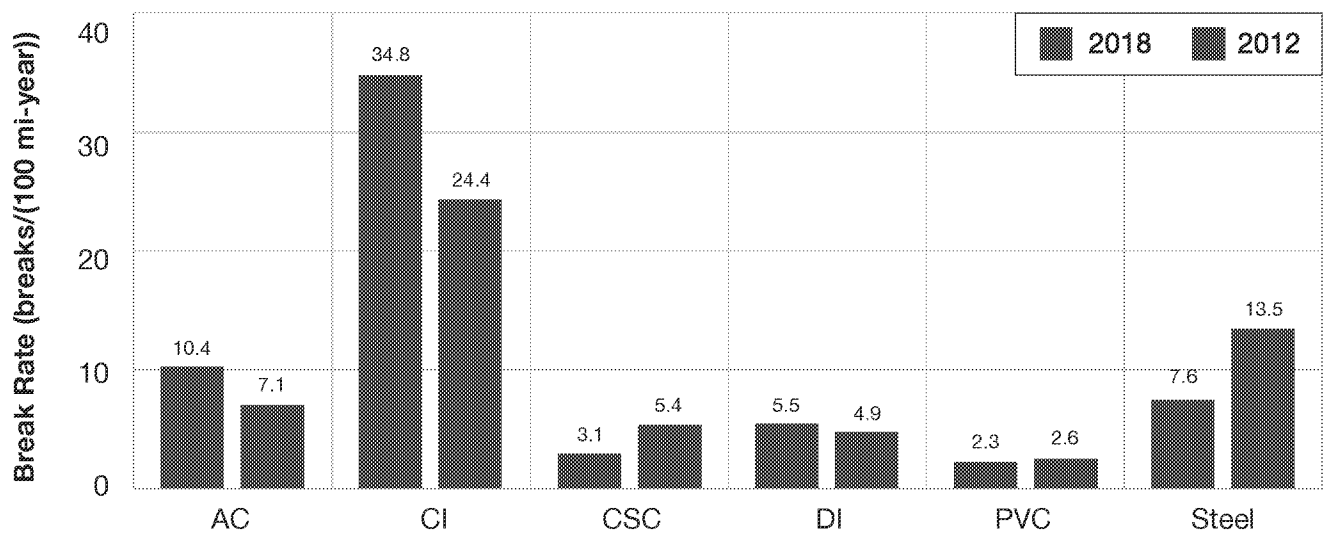


FIGURE 22: COMPARISON OF BREAK RATES OF THE 2018 AND 2012 SURVEYS



The size of a utility can affect break rates. Three sizes of utilities are considered here based on the length of pipe; small with less than 200 miles, intermediate with 200 to 1000 miles, and large with over 1000 miles. Figure 23 illustrates the overall break rate (for all pipe materials) and then separated by the four most common pipe materials in these three utility sizes. The large utilities consistently had lower break rates than intermediate and smaller utilities. This is likely due to better funding and larger staffs for engineering design, monitoring and information gathering, installation oversight, and repair of water mains. It is very significant that small utilities consistently have break rates at least double that of a large utility.

FIGURE 23: BREAK RATES BY UTILITY SIZE FROM THE BASIC SURVEY

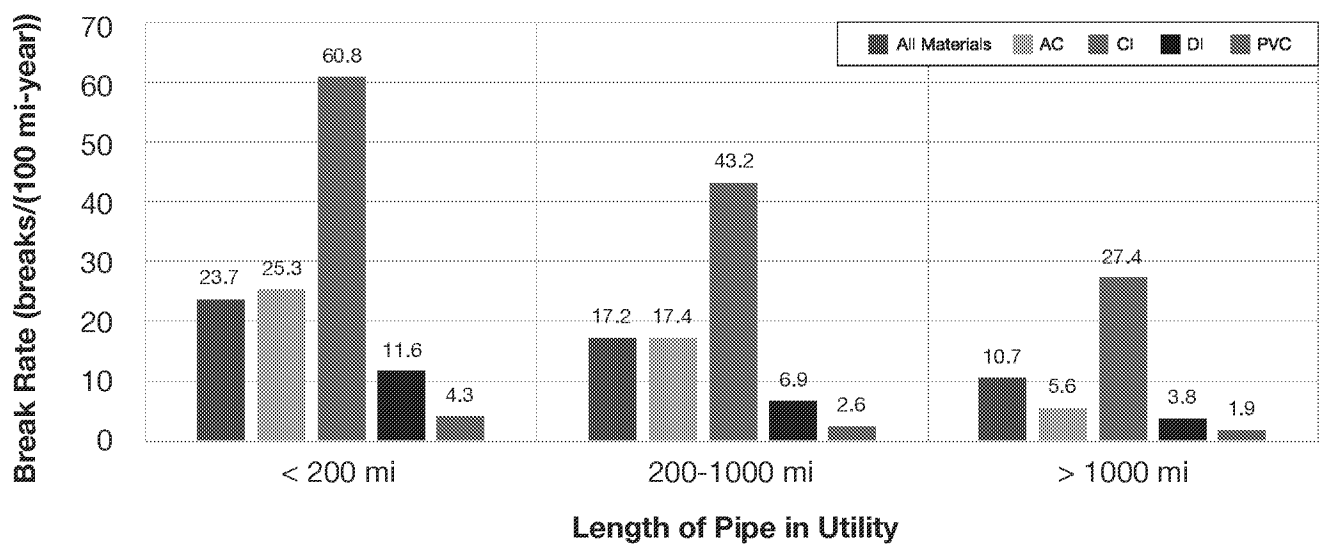


Figure 24 illustrates the overall break rate broken down by region. Clearly not all regions are experiencing the same failure rate. In Table 1, the number of respondents for each region is reported. It was desired to separate US and Canadian break rate data. This is illustrated in Figure 25. Canada can have very corrosive soils (Seargeant, 2013) and this is reflected in the high break rates of cast and ductile iron pipes in Figure 25. Seargeant reported that the highly corrosive soil in Edmonton necessitated a transition from cast iron to asbestos cement pipes in 1966 and then to PVC starting in 1977. The transition to PVC has produced a dramatic reduction in water main break rates for the city.

FIGURE 24: OVERALL BREAK RATES BY REGION FROM THE BASIC SURVEY

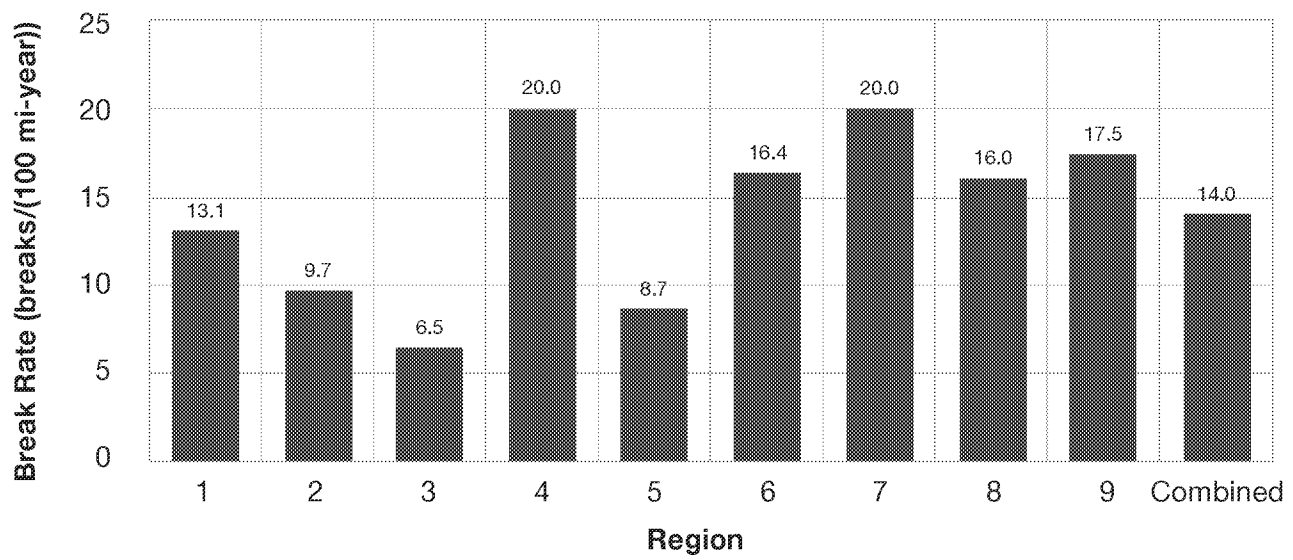
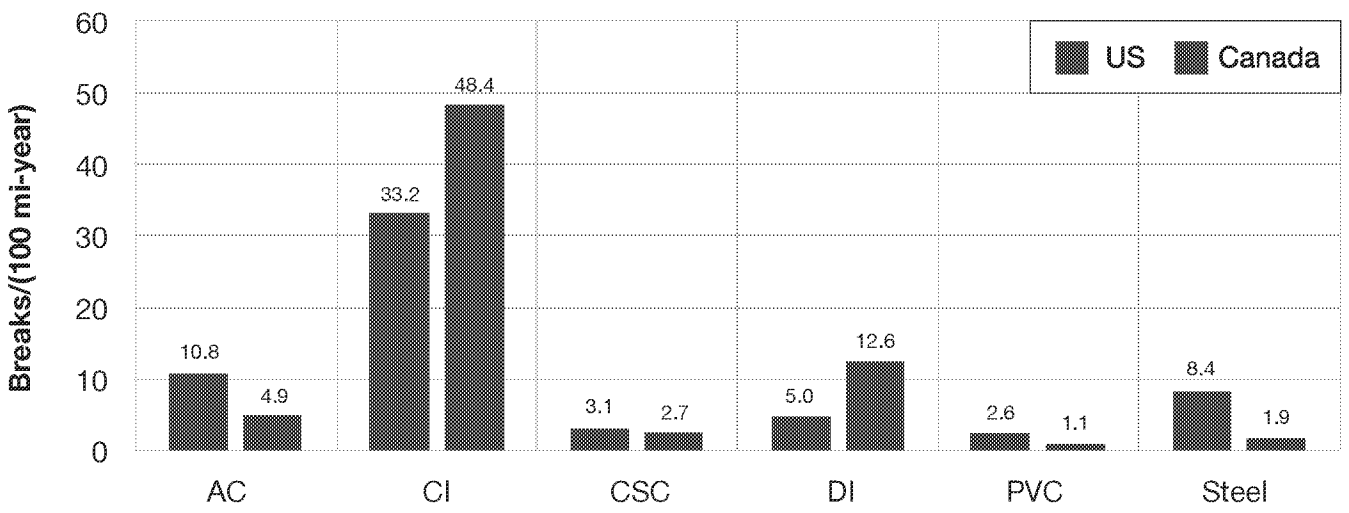


FIGURE 25: BREAK RATES FROM THE US AND CANADA FOR SELECTED MATERIAL TYPES



5.2. Effects of Age

The basic survey asked respondents to break down the failures into the decade when they were installed. Some of the respondents did not know the age of the failed pipes and they were not included in the results. Figure 26 illustrates the percentage of failures of each pipe material based on the decade of installation. For example, asbestos cement (AC) pipe had 60% of the breaks from pipe installed in the 1960's, 28% in the 1970's, and 12% of the breaks in pipes installed in the 1980's. Note that the largest percentage of failures is usually not in the oldest pipes (AC being an exception), which has several possible causes. One important cause is the amount of pipe present in a given age range. As the older pipe is replaced there is less available to fail. Also, cast iron and ductile pipe wall thickness has decreased over the years which can affect time to failure. The results in Figure 26 are also related to when a pipe material was introduced or removed from the market. AC pipe has not been installed in the USA and Canada in the past 25 years, and thus, all AC pipe failures date from the 1980's and earlier. Little cast iron pipe has been installed since the 1980's and that is reflected in Figure 26. Widespread ductile iron and PVC pipe production in the USA did not start until about 1970, so we should expect to see a small failure percentage for both DI and PVC installed in the 1960's and none in the 1950's and earlier.

Most of the failure versus age distributions in Figure 26 seem to be quasi bell-shaped (again, asbestos cement pipe failures are an exception). It would appear the AC pipe installed in the 1960's may be near its end of life and utilities may want to consider planning for rapid replacement of that pipe. Cast iron pipe shows the most uniform failure distribution and does not give much guidance on which pipe age needs replacement first.

5.3. Target Replacement Break Rate

The detailed survey asked participants if they utilized a target break rate at which pipe replacement was implemented. Only 28% of the respondents said that they had a specific value. The average response was a target rate of 11 breaks/(100 miles)/year. Most respondents commented that they do not have a specific target break rate. However, break rates are a very important factor when locations for critical services are considered and when roads are being reconstructed. Although Figure 26 provides some insight to when pipe needs to be replaced, the most appropriate metric to making this decision should come from looking at break rates at sections of pipe with a similar age and material.

5.4. Most Common Failure Age and Mode

The detailed survey asked the participants the typical pipe age of most water main failures. The average response was 50 years with a range from 10 to 100 years. In 2012 the average age of failing water mains was reported as 47 years. Given the qualitative nature of this question, the typical age of a failing water main has not changed significantly over the past six years.

The detailed survey requested participants to select the most common failure mode from the following: corrosion, bell split, circumferential crack, longitudinal crack, leakage at joints, fatigue, or other. Figure 27 illustrates that 56% of the respondents identified a circumferential crack as the most common followed by corrosion at 28%. These are the typical failure modes of CI and AC pipe.

An alternate approach to examine the failure modes is by using those reported in the basic survey. Participants were asked to provide a cause of failure from the following list; circumferential crack, longitudinal crack, corrosion (internal or external), bell splitting, rock impingement, other, or unknown. Where multiple failures occurred, multiple causes were given, and each was given equal weight. Figure 28 illustrates the percentage of each failure mode with unknown responses ignored. Again, the top two failure modes are circumferential cracks followed by corrosion.

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FIGURE 26: PERCENT OF FAILURES PER DECADE OF INSTALLED PIPE MATERIAL

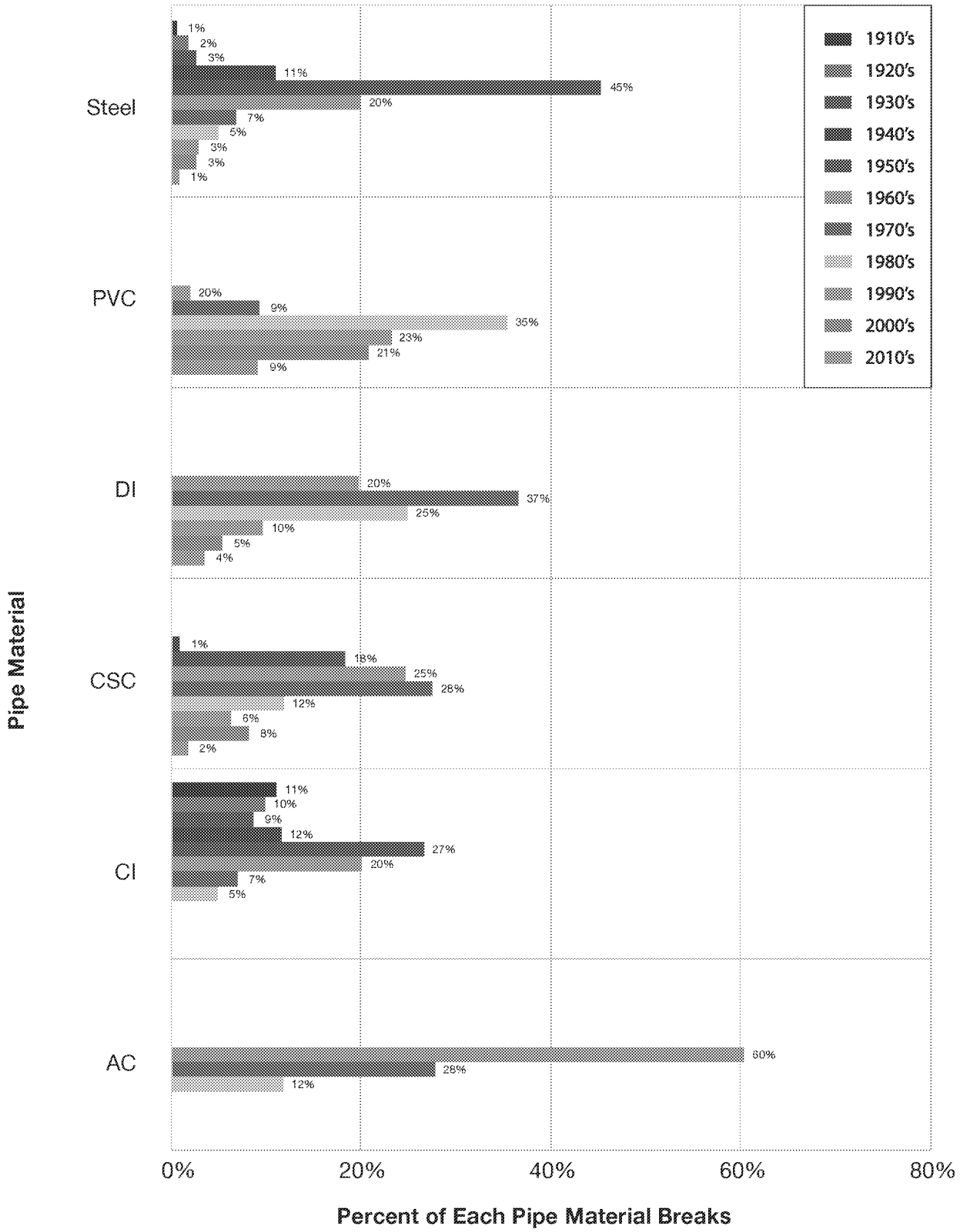


FIGURE 27: PERCENT OF RESPONDENTS SELECTING A MOST COMMON FAILURE

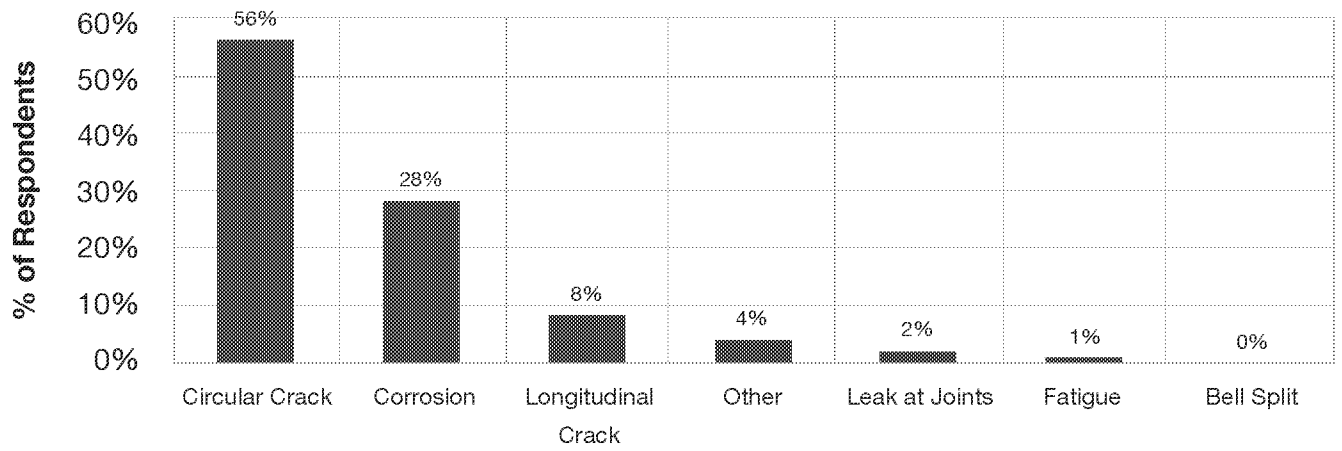
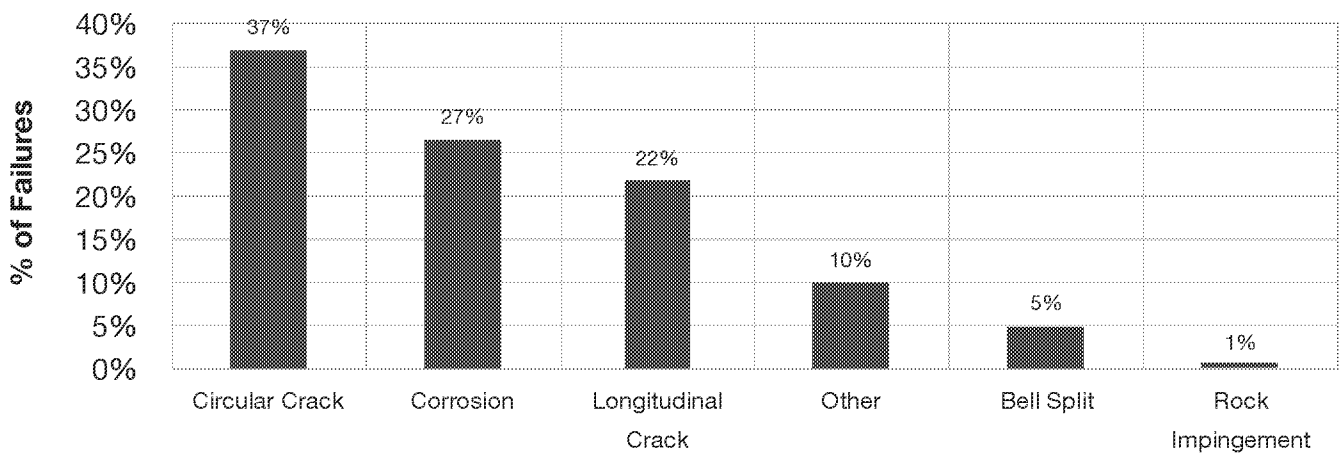


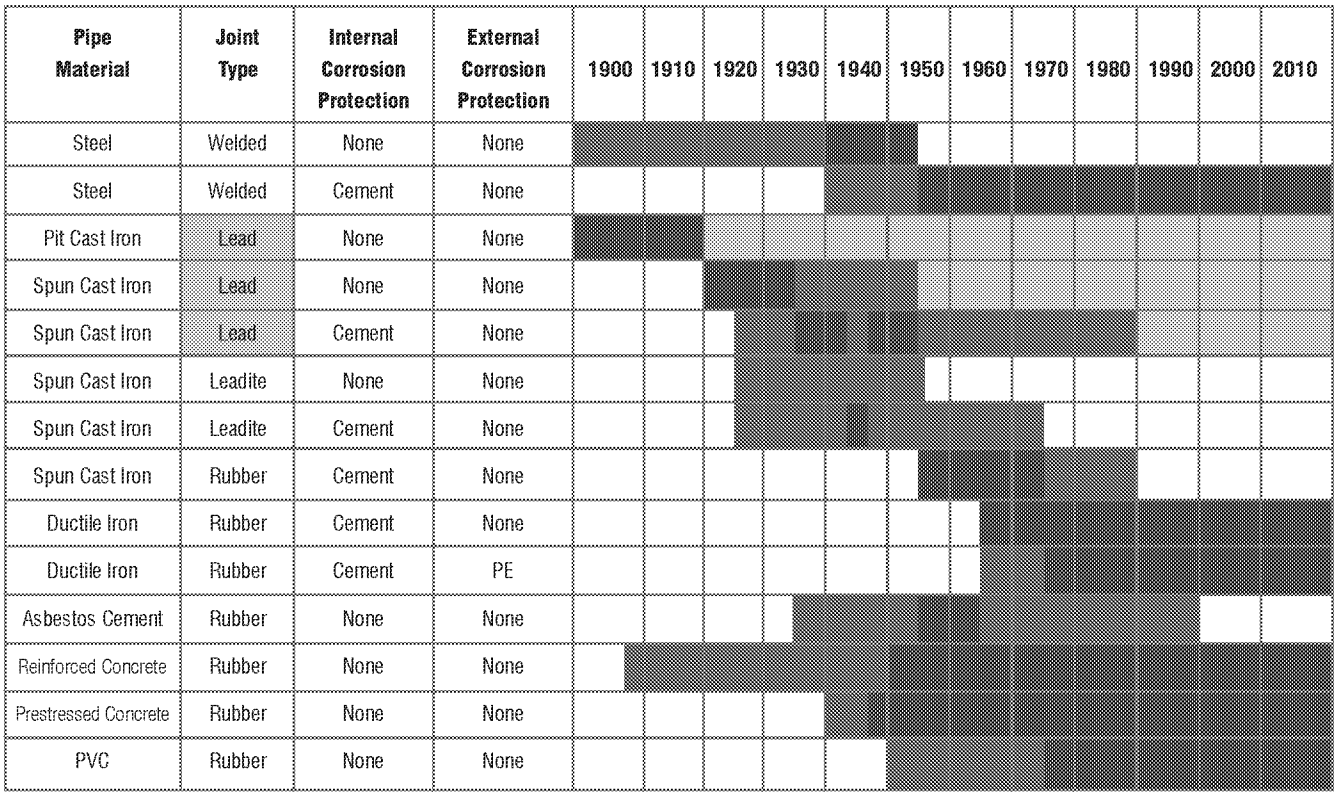
FIGURE 28: DISTRIBUTION OF FAILURE MODES FROM THE BASIC SURVEY



5.5. Pipe Cohorts and Vintage

As mentioned in section 3.0, the survey did not track the many subclasses of pipe that have been installed because many utilities do not have that information. Individual utilities should try to add to their database as much as they can about what is referred to as a pipe cohort and other details about their installation. Copeland, et al. (2015) provides a good example of data to record. A pipe cohort is a group of pipes with similar characteristics. This concept is useful in pipe management because defining different pipe cohorts can be helpful in identifying pipes that have different risk characteristics (see Figure 29).

FIGURE 29: TIMELINE OF PIPE TECHNOLOGY IN THE US IN THE 20TH CENTURY



- Pipe Material Availability
- Periods of Active Installation and Widespread Use
- Extended Potential Lead Joint Leaching Periods in Iron Pipes

Adapted from Figure 8.3, Sustainable Solutions Corporation, 2017

Changes in pipe manufacturing, such as the introduction of new pipe-making technologies, are a major criterion when identifying pipe cohort concerns (e.g., longevity of a pipe and risk of breakage). For instance, pit cast gray iron pipe and centrifugally cast gray iron pipe of the same diameter should likely be considered in different pipe cohorts, because the significant differences in manufacturing cause the pipes to behave differently. Other factors that can affect pipe longevity and breakage include transportation and installation methods (WaterRF, 2013).

Another pipe cohort is cast iron with leadite joints. There are at least two reasons for high failure rates associated with leadite joints: "First, leadite has a different coefficient of thermal expansion than cast iron and results in additional internal stresses that can ultimately lead to longitudinal splits in the pipe bell. Secondly, the sulfur in the leadite can facilitate pitting corrosion resulting in circumferential breaks on the spigot end of the pipe near the leadite joint. The failure rate in the industry for leadite joint pipe is significantly higher than for lead joint pipe even though the pipe may not be as old." (EPA, 2002, p3)

6.0 Corrosive Soils and Corrosion Prevention Methods

The detailed survey asked respondents if they have one or more regions in their service area with soils that tend to be corrosive. A total of 75% of the respondents reported that they do have at least one area with corrosive soils. This corresponds to the results found in the 2012 survey. The survey also asked if they utilized any kind of corrosion protection methods. A total of 80% of the respondents reported that they do utilize some kind of corrosion protection. The respondents were also asked to describe the method(s) they used. The most common answer was polywrap installation. Table 6 lists most of the methods mentioned ordered from most common (rank 1) to least common (rank 5).

TABLE 6: TYPICAL CORROSION PREVENTION METHODS

Rank	Corrosion Prevention Methods
1	Polywrap
2	Anodes or cathodic protection
3	V-bio polywrap
4	Impressed current
5	Dielectric coatings

Water utilities often do not know the specific cause of external corrosion observed on their water mains, and consequently, the chosen preventative measure may not work effectively. Historically, these choices are based on data from other industries (e.g., gas and oil) and may not be suitable for the water industry. Corrosion of metallic pipes can be caused by a variety of mechanisms, each of which requires a different solution. Determining which corrosion mechanism is at work is not a simple matter, because the resulting pipe damage looks similar for all of them. The failure to properly identify corrosion sources may produce prevention systems that are ineffective or do not last. For example, it is not effective to install an anode on a main that has a bacteriological corrosion problem. Similarly, an anode bag installed to reduce corrosion caused by a stray impressed current would be quickly used up and would provide only short-term protection. Also, polywrap does not protect a pipe from all corrosion types and may get damaged during the installation (Romer, 2005).

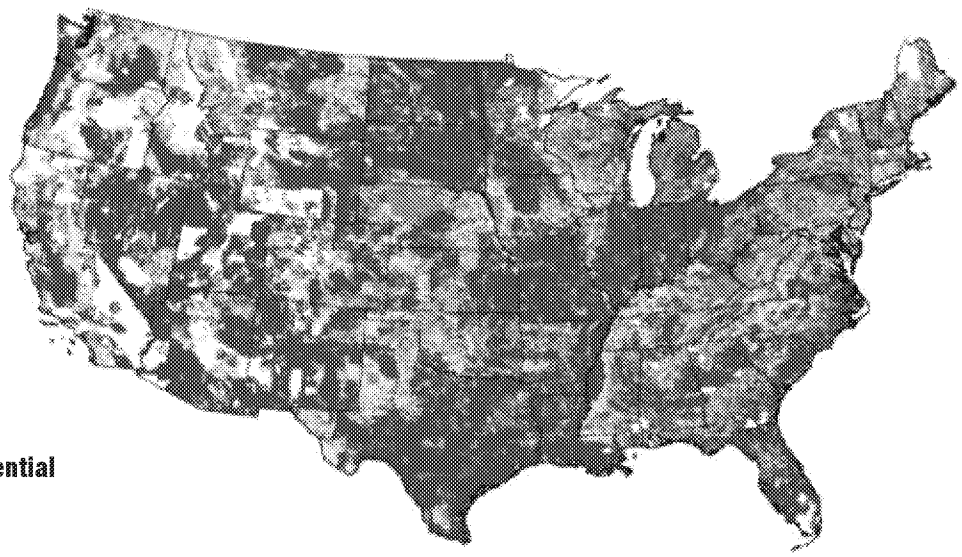
6.1. Effect of Corrosive Soils on Break Rate

The USDA Natural Resources Conservation Service provides results of soil surveys across the US. One of the aspects of the soil surveys is a "risk of corrosion" analysis that pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel. The soil is rated as either "low," "moderate," or "high" based on measurements of moisture, particle size, acidity, and electrical conductivity. This is not a precise analysis and additional factors may be neglected. Nevertheless, it is a reasonable estimate of soil corrosiveness in lieu of better data. The USDA soil survey website (https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx) allows the user to select an area of interest (AOI) and then produces a plot coloring low risk areas in green, moderate risk areas in yellow, and high risk areas in red. An overview of soil across the US is given in Figure 30.

Soil risk can change over a distance of a few blocks. This is illustrated in Figure 31 which shows a screen capture of soil risk colors inside the boundaries of a town in California. This town has all three regions present; low (green), moderate (yellow), and high (red). Soil analysis data is not available in regions with a light gray color.

It was desired to relate water main break rates to soil corrosivity. Since most cities have a combination of low, moderate, and high regions, a numerical ranking was developed that provided an overall level of soil corrosiveness. To do that, pictures of each area served by the utilities in the basic survey were created. Next a program was developed that counted the number of reddish, greenish, and yellowish pixels in each photo. To provide a numerical ranking, pixels that were low risk were given a value of 1, moderate pixels were given the value 2, and high risk pixels were given the value 3. The pixel values were summed and then divided by the total number of red, yellow, and green pixels. The computed value is called a corrosion index. Cities with a corrosion index near 1 have low corrosion risk while those close to 3 have high corrosion risk. For the area in Figure 31, the computed corrosion risk was 2.1 or slightly above a moderate level.

FIGURE 30: US CORROSIVE SOILS MAP (CONUS POTENTIAL FOR STEEL CORROSION)



Steel Corrosion Potential

- High
- Low
- Moderate

Source: Data collected from Soil Survey Staff, Natural Resources Conservation Service, U.S. Department of Agriculture Soil Survey Geographic Database.

Corrosion index values were computed for 281 cities in the US. Some US cities had little or no data for the soil inside their boundaries preventing computation of a corrosion index. For analysis, the corrosion index values were broken down into seven ranges and the number of utilities in each range is plotted in Figure 32. The average corrosion index for all the US utilities in the basic survey was 2.4 or close to midway between moderate and high corrosion risk. That is, most utilities in the US have a moderate to high soil corrosion risk which is consistent with the detailed survey report that showed 75% of utilities have one or more areas with corrosive soils.

FIGURE 31: CORROSIVE SOIL RISK PLOT

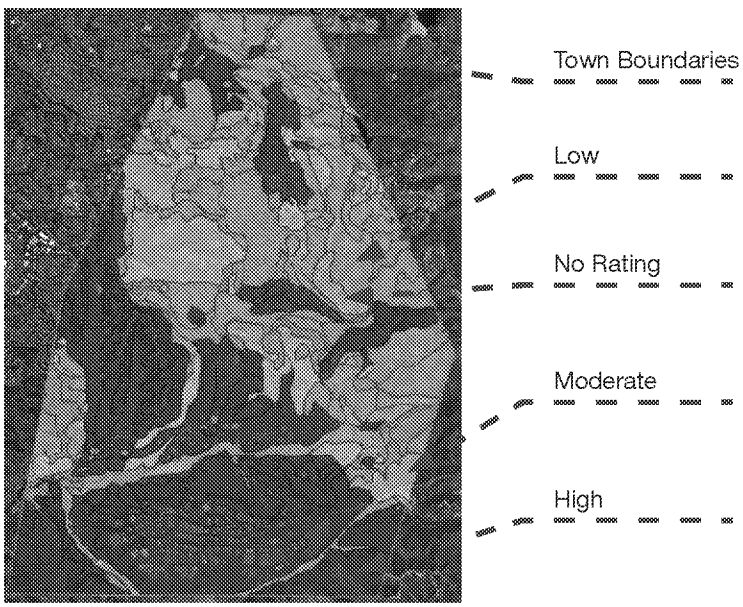
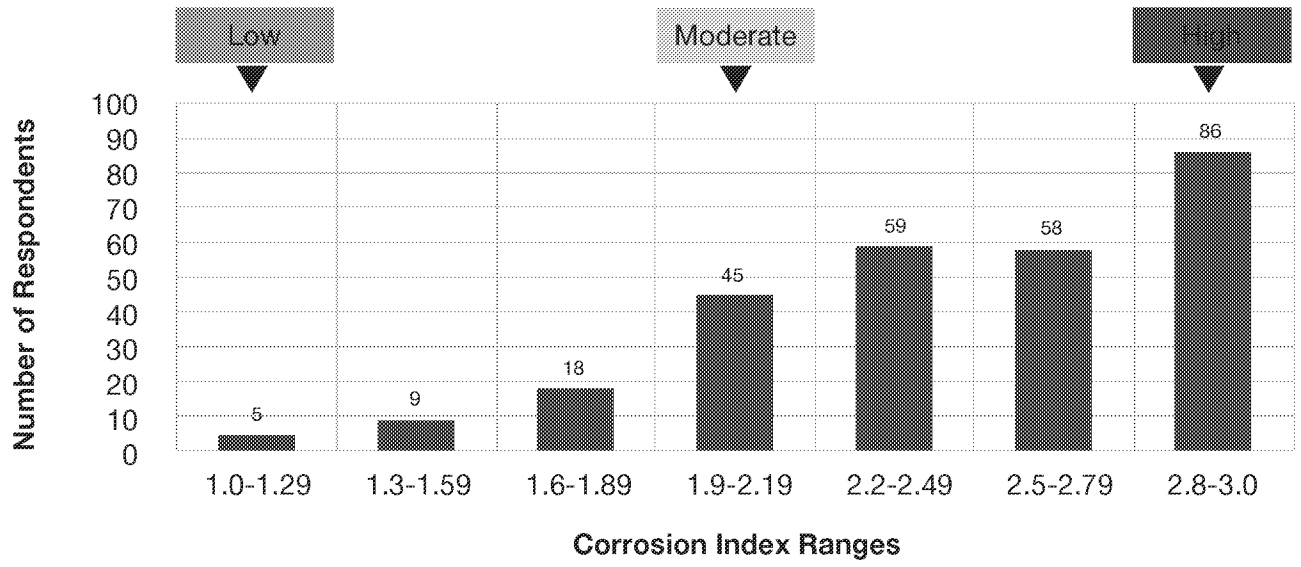
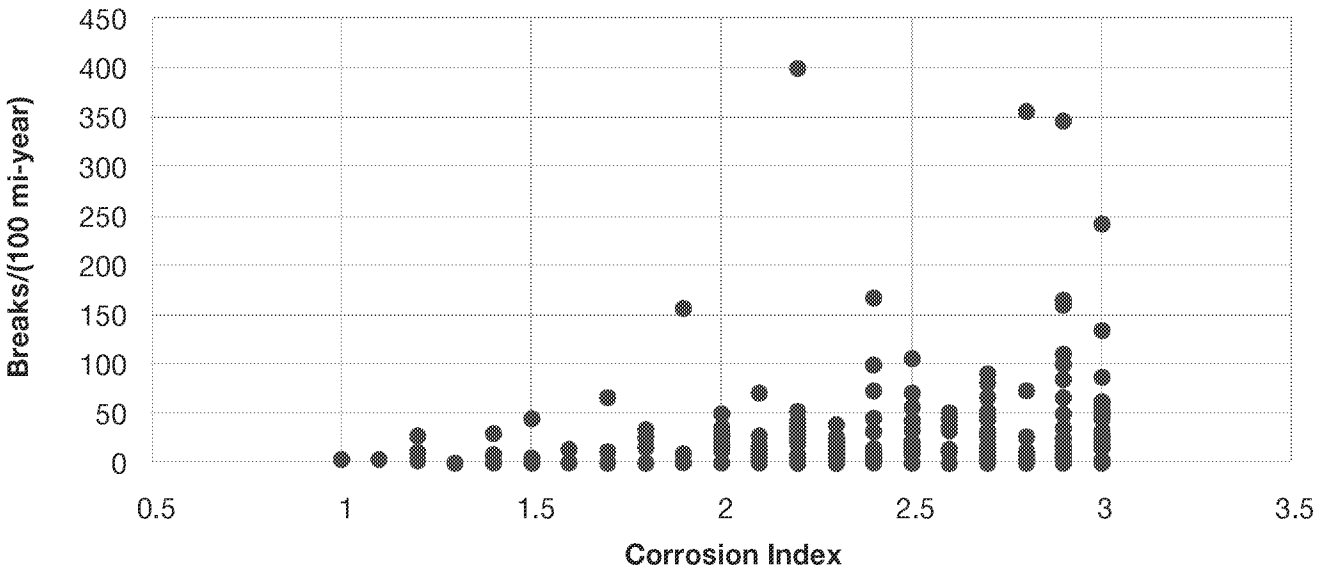


FIGURE 32: NUMBER OF UTILITIES VERSUS THEIR CORROSION INDEX



It is reasonable to expect break rates would increase when pipe is installed in corrosive soils. To examine this, plots were made of a utility's corrosion index versus break rate. Figure 33 illustrates this for cast iron pipe. There is a trend of higher break rates with increasing corrosion index, but the wide scatter in the data makes analysis difficult. The high break rates in Figure 33 are associated with small utilities that have a small amount of pipe. Consider a utility with 1 mile of cast iron pipe with 2 breaks during the past year. That would translate to a break rate of 200 breaks/(100 miles)/year. If that utility had no breaks the following year, the break rates drop to zero.

FIGURE 33: INDIVIDUAL UTILITY BREAK RATES FOR CAST IRON PIPE VERSUS THEIR CORROSION INDEX

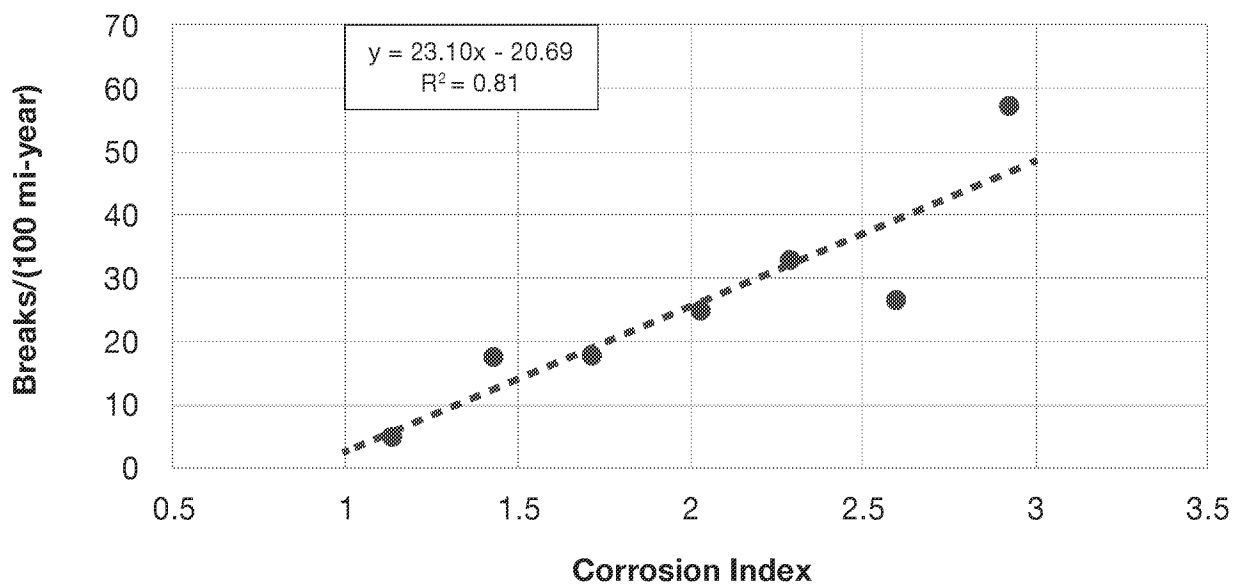


To get a realistic estimate of break rates, we need to add the number of breaks of a pipe type from several utilities and divide by the sum of the length of that pipe type to compute break rates. The corrosion index data was broken down into the same seven categories used in Figure 32. The results are listed in Table 7. The break rates versus corrosion index data are plotted in Figure 34 for cast iron pipe and Figure 35 for ductile iron pipe. The figures also contain a regression equation fit and a correlation coefficient. Correlation coefficients close to 1.0 indicates an excellent correlation and zero indicate no correlation. Both cast and ductile iron results in reasonably good fits to the data.

TABLE 7: BREAKDOWN OF CORROSION INDEX VALUES INTO SEVEN CATEGORIES

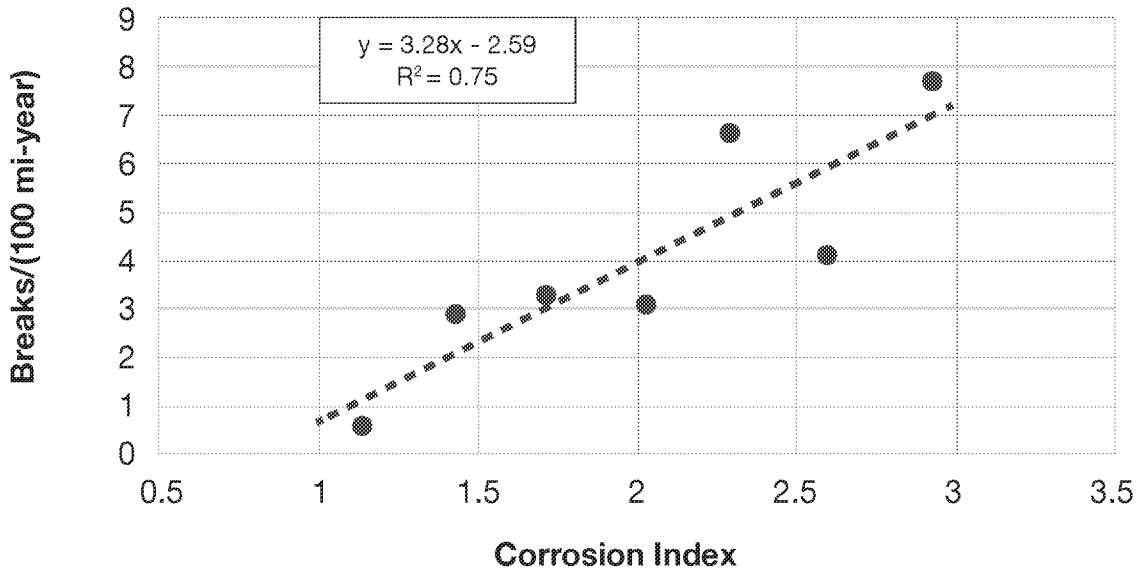
Category	Corrosion Index Range	# of Utilities	Average Corrosion Index	Break Rates (breaks/(100 mi-year))	
				Cast Iron	Ductile Iron
1	1.0 - 1.29	5	1.14	4.93	0.57
2	1.3 - 1.59	9	1.43	17.59	2.89
3	1.6 - 1.89	18	1.72	17.76	3.27
4	1.9 - 2.19	45	2.03	24.96	3.09
5	2.2 - 2.49	59	2.29	32.79	6.63
6	2.5 - 2.79	58	2.60	26.39	4.09
7	2.8 - 3.0	86	2.93	57.20	7.69

FIGURE 34: CAST IRON PIPE BREAK RATE VERSUS CORROSION INDEX



Using the equations in Figure 34 with x=1 for a low corrosion risk and x=3 for a high corrosion risk, one can show that a cast iron pipe in a high corrosion soil is expected to have over 20 times the break rate of one in a low corrosion soil. Similarly, ductile iron pipe in a high corrosion soil has over 10 times the break rate than one in a low corrosion soil. Very poor correlations were found for the other material types in this survey.

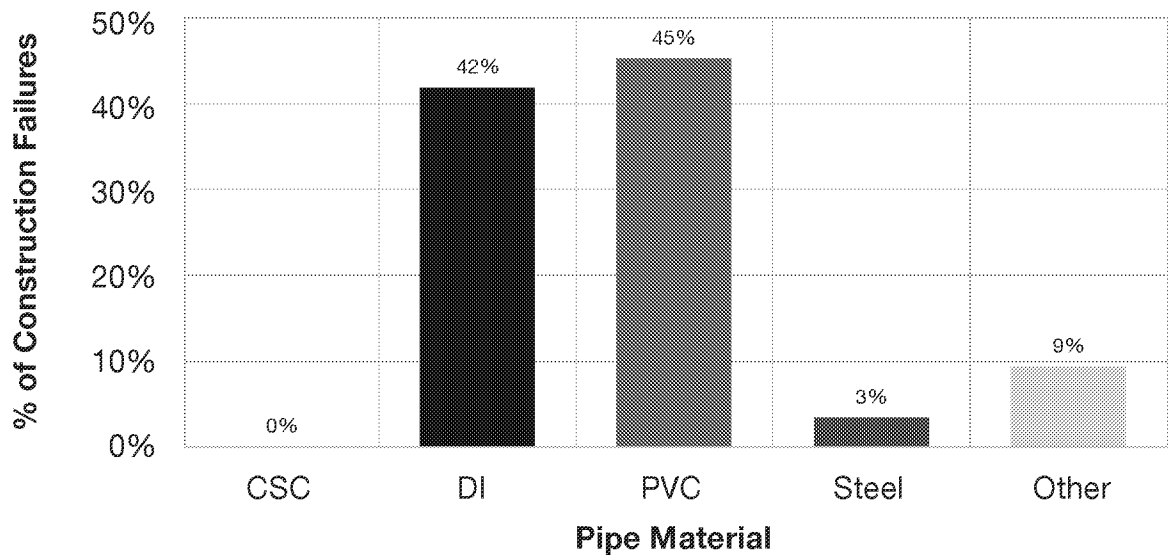
FIGURE 35: DUCTILE IRON PIPE BREAK RATE VERSUS CORROSION INDEX



7.0 Construction Related Failures

The detailed survey asked respondents to report failures related to construction activities. Figure 36 illustrates the percentage of total construction failure related to a particular pipe material. Ductile iron and PVC pipes have the majority of construction related failures at a nearly equal frequency. Figure 14 shows that DI and PVC are the two pipe materials that are also most commonly being installed today. This points to the need to improve construction practices for underground infrastructure regarding installation, location services and inspection.

FIGURE 36: PERCENT OF TOTAL REPORTED CONSTRUCTION RELATED FAILURES FROM THE DETAILED SURVEY



8.0 Condition Assessment Methods

The detailed survey asked if utilities utilize condition assessment methods to monitor the condition of their water mains. 45% of the respondents reported that they do use some kind of condition assessment process but normally limited this effort to larger diameter transmission system pipes. A large percentage of those reported using some visual assessment along with electromagnetic, acoustic, tapping coupons, and other means.

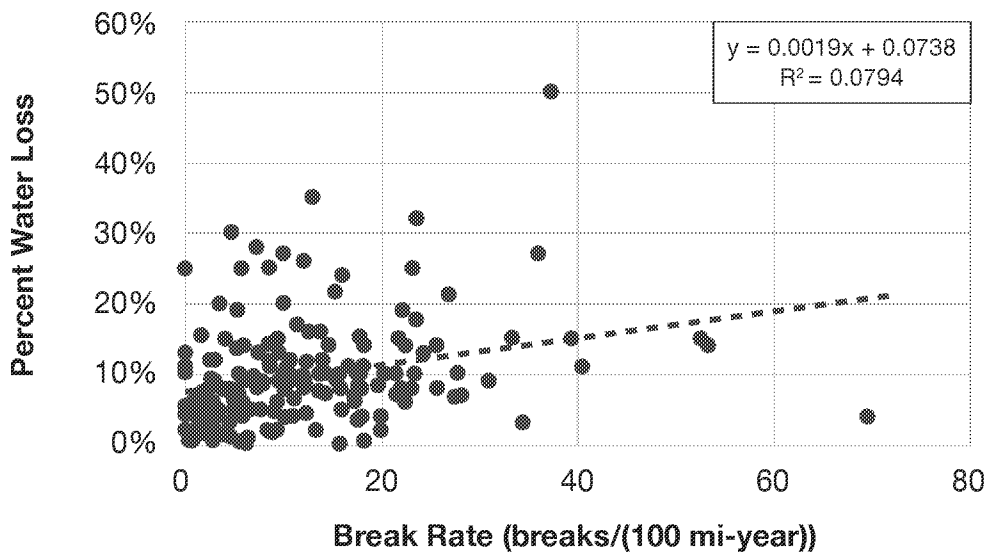
9.0 Water Loss Due to Leakage

Water loss due to leakage is reaching critical levels where in some cases 20% to 30% of water is leaking from water mains (New Jersey 101.5, 2017). The basic survey asked what percentage of water volume input to the system is water loss (due to leakage). A total of 201 utilities were able to provide a water loss value. The reported average leakage from the basic survey was 10% with a standard deviation of 7.7%. It is recognized that there are multiple ways to express and account for water loss (see Taylor, 2008). Water loss can be due to unbilled authorized consumption such as flushing water mains and fire-fighting, unauthorized consumption, and real losses due to leakage. The term non-revenue water comprises all of those losses. It was not anticipated that most of our respondents would have a recent detailed water audit that would provide just the water leakage amount. Thus, the 10% value may include authorized losses. For example, a recent analysis of utilities in Indiana which had a 100% participation rate showed that non-revenue water averaged 19% to 24% of the potable water supplied. The study also noted that a significant number of the state's water pipes are reaching the end of their useful lives (Indiana Finance Authority, 2017). More accurate audits of water utilization would be beneficial to understanding water losses and their cause.

It was postulated that there may be a correlation between water main break rates and water losses. Figure 37 plots individual overall break rates (breaks/(100 miles)/year) versus the reported utility loss rate. A linear regression to the data yields the equation in the figure which is illustrated in the dotted line in Figure 37. This plot omits a few small utilities with failure rates greater than 100 that skew the equation fit considerably. There is considerable scatter in the data and the correlation coefficient is very small indicating essentially no correlation. However, the trend of high leakage values with increasing break rates might be inferred. Perhaps if more accurate leakage values were used, a better correlation might be obtained.

Leaks can occur from pipe damage caused by third parties or corrosion in the pipes, as well as from joints in the distribution system. There are two ways in which water utilities can assess leakage. One way is through conducting a system-wide water audit, which estimates water consumption and water loss. The process enables water utilities to develop performance indicators to assess water loss, benchmark themselves with other water utilities, and set performance metrics. Another way in which water utilities can assess leakage is through conducting leakage investigations on all or part of the water system, using technologies to find the leaks. Many of these technologies can track the sound of a leak, allowing the utility to identify the exact point of the leakage and make needed repairs. There is also increasing use of various "smart technologies," typically tied to newer "smart meters," that can also aid in leak identification" (WaterRF, 2013).

FIGURE 37: PERCENT WATER LOSS VERSUS UTILITY BREAK RATES



10.0 Plans for Replacing Water Mains

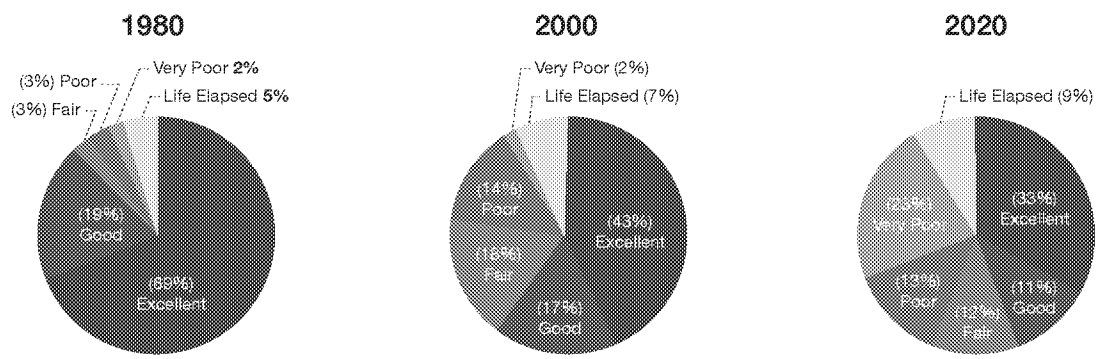
The detailed survey respondents were asked questions about expected pipe life and pipe replacement and the answers are summarized in Table 8. The typical age of failing water mains had an average response of 50 years (up from 47 years in 2012) which is well below what most manufacturers say should be expected. The average expected life of a newly installed pipe is 84 years (up from 79 years in 2012). Given the quantitative nature of these questions, the typical age of failing water mains and expected pipe life have not changed significantly over the last six years. The basic survey asked if utilities have a pipe replacement program and 77% said they did. However, the detailed survey asked utilities if they had a regular pipe replacement program and only 58% of the respondents stated they did and of those that did, the average amount replaced each year was 0.8% of their total installed length. Respondents were asked for the percentage of their water mains that are beyond their useful life but lacked funds to replace them. The average response was 16% of water mains are beyond their useful life. In the 2012 survey the same question was asked and the response was 8.4%. This would indicate that the backlog of needed pipe replacement is growing.

It is of interest to compare these results with a study done by the EPA (EPA, 2002). The report classified water main pipe condition into six categories: "Excellent," "Good," "Fair," "Poor," "Very Poor," and "Life Elapsed." The study examined data for the years 1980 and 2000 and provided forecasted data for 2020. Figure 38 below is reproduced from the EPA report and estimates that the condition of 9% of pipes will be categorized as "Life Elapsed" and 23% as "Very Poor" by the year 2020. Of note is the projected growth in the "Very Poor" category during this period as shown in Figure 38. This is consistent with the results of this survey. The rapid rate of growth of pipes in the "Very Poor" category will make it very difficult for utilities to keep pace and replace them before they reach end of life or their "Life Elapsed" condition. An AWWA study (AWWA, 2012) echoes this trend as illustrated in Table 9. Table 9 shows aggregate costs to cover both replacement and growth in water mains in the USA.

TABLE 8: QUESTIONS ABOUT REPLACEMENT OF FAILING WATER MAINS

Questions	Average or Response
Typical age of failing water main	50 years
Expected life of new water mains	84 years
Percentage with plan to replacing water mains	77%
Percentage regularly replacing water mains	58%
Percentage of total water main length replaced annually	0.8%
Percentage of water mains beyond useful life but lack funds to replace (overall response)	16%

FIGURE 38: ASSESSMENT OF PIPE CONDITION WITH TIME (FROM EPA, 2002)



Percentage of Pipe by Classification

TABLE 9: AGGREGATE NEEDS FOR INVESTMENT IN WATER MAINS THROUGH 2035 AND 2050 BY REGION OF THE UNITED STATES (AWWA, 2012)*

	2011 - 2035 Totals			2011 - 2050 Totals		
Region	Replacement	Growth	Total	Replacement	Growth	Total
Northeast	$92,218	$16,525	$108,744	$155,101	$23,200	$178,301
Midwest	$146,997	$25,222	$172,219	$242,487	$36,755	$279,242
South	$204,357	$302,782	$507,139	$394,219	$492,493	$886,712
West	$82,866	$153,756	$236,622	$159,476	$249,794	$409,270
Total	$526,438	$498,285	$1,024,724	$951,283	$802,242	$1,753,525

** (2010 $M)*

Table 9 represents an estimate of pipe material investment (in millions of dollars) which is needed in each region based on an AWWA report (AWWA 2012). Investment is needed in two areas - replacement (where existing users pay for the pipe at the end of its useful life) and growth (where system expansion needs to occur due to population growth). These two drivers impact each region differently. Over the coming 40-year period, through 2050, these needs exceed $1.7 trillion. Replacement needs account for about 54% of the national total, with about 46% attributable to population growth and migration over that period.

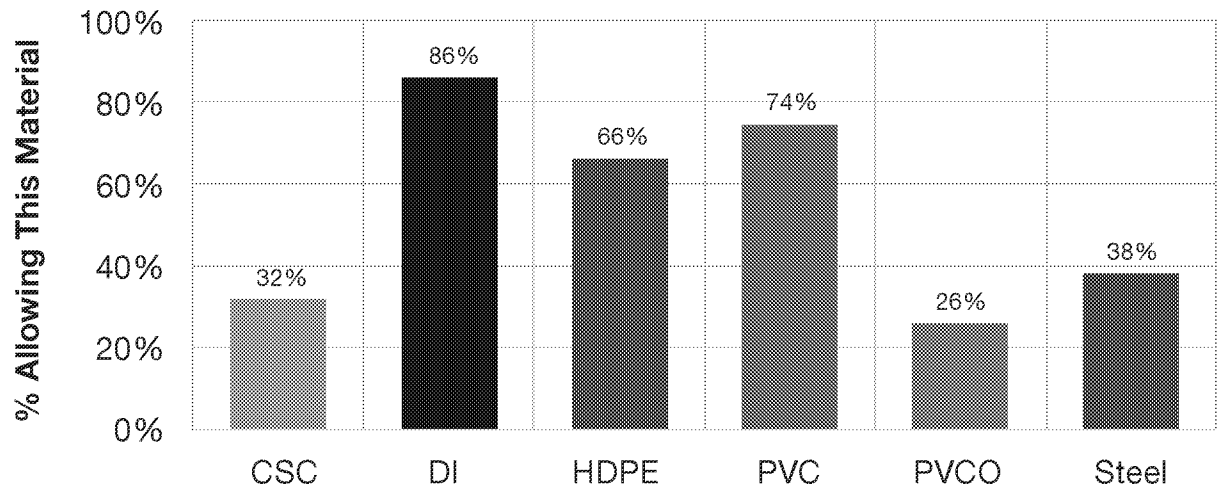
America's water main investment needs impact the nation's regions in different ways. The South and West will face the steepest investment challenges but this will be paid for through growth, unlike the Northeast and other parts of the country facing population decline or only modest growth, which means it will be difficult for them to pay for the needed upgrades (AWWA, 2012).

The US Conference of Mayors 2013 report, "Municipal Procurement: Procurement Process Improvements Yield Cost-Effective Public Benefits," provides expert advice on developing a business case for pipe material selection when evaluating pipe replacement strategies. It reads:

> "The conventional approach to water pipe replacement decision making has been to merely replace the pipe with roughly the same product regardless of price, and based on manufacturer's recommendations. In fact, this replacement ideology and tradition is still heavily imprinted upon the thinking of even modern engineers. Communities in the United States, a century ago, used thick cast iron pipes that are now failing. The majority of these pipes are failing for one basic reason – corrosion. Failure to recognize this systemic performance problem in metallic pipes has allowed traditional procurement practice to make suboptimal materials procurement decisions..."
>
> "An important step in effectively managing assets is to create an open procurement and selection process which allows for all appropriate materials to be considered and accurately and fairly compared. Any improvement in this area can represent a huge cost savings for rate payers considering the perpetual high cost of underground infrastructure replacement. Procurement habituation in pipe material consideration combined with a failure to take advantage of the open bidding process impedes competitive cost savings. Closed procurement processes lead to unnecessary costs, and may diminish public confidence in a local government's ability to provide cost effective services."
>
> *Source: US Conference of Mayors, 2013*

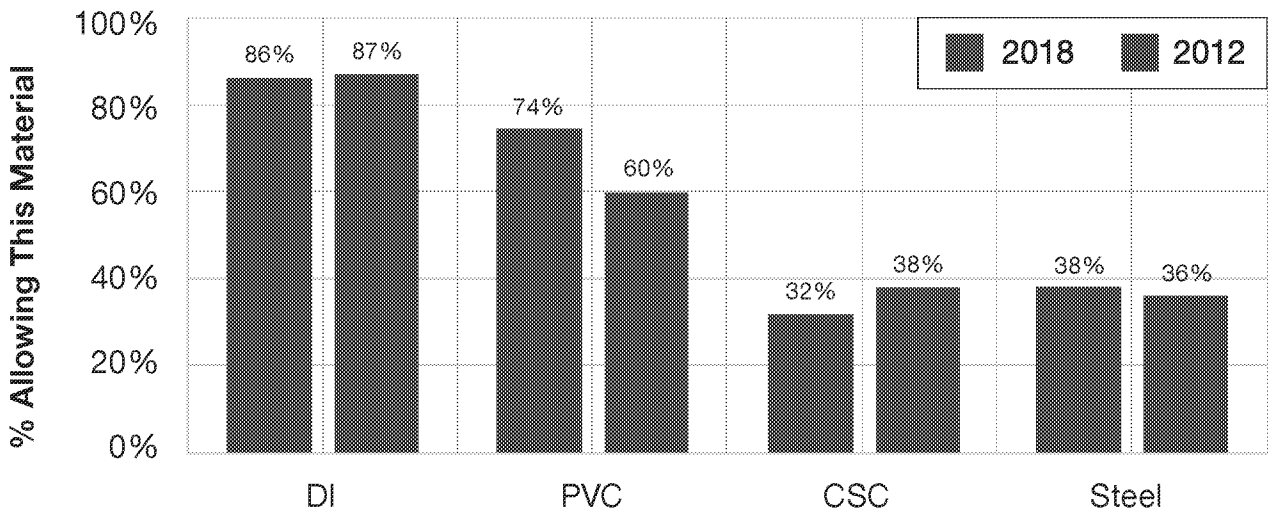
11.0 Approved Pipe Materials

FIGURE 39: RESPONDENTS ALLOWING INSTALLATION OF THESE WATER MAIN MATERIALS



The detailed survey also asked respondents what water main pipe materials are currently approved for use at their utility. Figure 39 illustrates the percentage of respondents that allow a particular pipe material to be installed. HDPE pipe at 66% allowance for use in water systems represents a high degree of acceptance for trenchless applications such as pipe bursting and directional drilling, whereas for open cut installations PVC and ductile iron pipe are the predominantly accepted materials (see Table 10). Figure 40 compares the pipe materials approved for use by utilities in the 2018 survey with the data obtained in the 2012 survey. Figure 40 shows a 23% increase in the acceptance of PVC water pipe by North American utilities since 2012. Specifically, PVC pipe approval among survey respondents increased from 60% of water utilities allowing its use in 2012 to 74% of utilities allowing its use in 2018. The number of utilities approving of ductile iron, concrete steel cylinder, and steel pipes for use in water systems remains essentially the same.

FIGURE 40: COMPARISON WITH 2012 SURVEY FOR ALLOWED MATERIALS



12.0 Preferences for Pipe Installation

The detailed survey asked respondents about experiences with three techniques of repairing, replacing, and installing water main pipes. They were relining deteriorated pipes, replacing pipes with a pipe bursting technique, and installation of new pipes using directional drilling. Table 10 summarizes their responses. The rating scale in Table 10 is from 1 to 5 with 1 being "Not Satisfied" to 5 being "Very Satisfied." Not many respondents have utilized pipe bursting, but an increasing number are looking at using both pipe relining and pipe bursting techniques. A majority of respondents have utilized directional drilling and are very happy with the results, but it is usually only used where open cut replacement is problematic. Open cut replacement remains the most commonly used method of pipe replacement.

TABLE 10: QUESTIONS ABOUT REPLACEMENT OF FAILING WATER MAINS

	Pipe Relining	Pipe Bursting	Directional Drilling	Open Cut
% of respondents that have used this technique	35%	10%	62%	100%
Most common materials installed	HDPE, CIPP, cement lining, epoxy	PVC, HDPE, DI	HDPE, PVC, DI	PVC, DI, CSC, Steel
Average Rating 1 to 5	3.8	3.8	4.4	4.7
% of respondents that will use this technique in the future	58%	44%	93%	100%
Comments	High cost, used when open cut not feasible, only for large diameter pipe, many not happy with it	High cost, useful in some situations, need to excavate for service lines	Worked well particularly for river and street crossings, more expensive	Standard installation method

13.0 Infrastructure Asset Management

Infrastructure asset management is an approach which can help utilities bring together the concepts, tools, and techniques to manage assets at an acceptable service level at the lowest life-cycle cost. Asset management practices applied to underground infrastructure help utilities understand the timing and costs associated with replacement activities. The knowledge gained from these efforts also helps in the development of effective pipe material selection through comparative financial analysis called "life cycle costing" as part of replacement strategies and funding plans. Understanding the longevity of a pipe improves the ability for management to make better infrastructure investment decisions with improved affordability results for customers.

Traditionally, there has been a lack of analysis which would combine both underground pipe performance and affordability. Existing practices tended to ignore the effect of environmental conditions on different pipe materials. Yet, every engineer understands how the complexity of underground infrastructure has increased along with the array of choices. The ability to change old habits and consider new materials requires additional analysis, and improved design and installation practices. This enhanced analysis of pipe design, selection and installation sets forth the longevity and life-cycle costs critically influencing water service affordability and sustainability for the next 100-200 years.

There have been many studies on water main failure rates in the US, Canada, Australia, and Europe over the last three decades. These studies mainly compared the number of pipe breaks by general pipe type and by length. While these studies have been very helpful to the water industry, the new driver has been the need to take into consideration the reduction of repair and replacement costs and improvement of water service affordability in underground pipe decisions. This new level of fiscal accountability and demand for transparent utility management back to their owners and stakeholders has increased the need for additional evidence to demonstrate the improved decision-making. Dig-up reports and pipe performance and longevity studies form the next body of evidence needed to corroborate water main break surveys and studies. The simple formula in a life cycle cost framework is essentially that "a pipe which has a long life at a low cost is the most affordable." Engineers are to make available every alternative that can answer the simple question of longevity and cost at each relevant point within the underground network providing service. A key issue in the life cycle cost framework is the expected life of a pipe.

Accurate pipe service and performance life estimates are critical to the effective management of underground infrastructure. This study provides accurate break data which can be used to improve life cycle costing analysis of water pipelines. Pipe break rate data is fact-based quantitative information which can help to precisely assess the durability, performance and longevity of pipe networks. Water main break rates are a critical decision making metric used in infrastructure asset management repair and replacement planning. Some of the data provided in this study, however, such as the average age of failing water mains and average expected pipe life, is qualitative in nature, i.e., subjective since it is based on perception rather than on quantitative data like break rates. While this can be helpful to utility officials, it lacks needed precision. A similar problem exists with the AWWA 2012 *Buried No Longer* report, which provides estimated service lives of different pipe materials based on a mixture of data which includes perceptions of service life versus quantitative data; and therefore is only of limited value for use in pipe material comparisons, asset management replacement planning, life cycle cost projections, and pipe service life estimates.

There is a large body of information on the importance of asset management and particularly as it relates to water systems. The reader is encouraged to refer to the following excellent documents that are available:

- *Asset Management for Water and Wastewater Utilities* https://www.epa.gov/sustainable-water-infrastructure/asset-management-water-and-wastewater-utilities
- *What is Asset Management?* https://www.michigan.gov/documents/deq/deq-ess-mfs-formsguidance-DWassetmngmntguide_426744_7.pdf
- *Life Cycle Assessment of PVC Water and Sewer Pipe and Comparative Sustainability Analysis of Pipe Materials* http://www.sustainablesolutionscorporation.com/paper-unibell.html

13.1. Life Cycle Cost Analysis and Life Cycle Assessment

According to Dr. Sunil Sinha, Professor of Civil and Environmental Engineering and Director of the Sustainable Water Infrastructure Management (SWIM) Center at Virginia Tech, "In order to meet the important challenges of the 21st century, a new paradigm for the planning, design, construction, and management of water pipeline infrastructure is required, one that addresses the conflicting goals of diverse economic, environmental, and societal interests." (Sinha, 2018) The new paradigm must include life cycle costs analysis (LCCA). LCCA helps in justifying the selection process of a particular system, product or activity based on the total life cycle cost rather than the initial design and installation cost. It enables a transparent selection process. Life cycle cost analysis helps in the identification of high cost areas during the life cycle of the asset and helps in minimizing the costs. Attributing costs to each phase in an asset's life cycle and understanding the full cost to deliver services is important for determining costs for various service levels, maintenance and renewal decision making and rate setting. For example, in a model utilizing utility cost data, PVC was found to have an overall lower total cost of ownership because each cost element (initial pipe cost, installation cost, condition assessment cost, pipe repair cost, rehabilitation cost, replacement cost, indirect and recurring costs and disposal costs) for PVC pipe was lower than ductile iron pipe (Khurana, 2017).

Life cycle assessment (LCA) is a tool used to measure the environmental impacts of different products or systems during their life cycle. By measuring the environmental impacts throughout the life cycle, life cycle assessment provides a complete picture related to sustainability and helps in providing true environmental tradeoffs in the product selection. For example, in a 2017 study following an ISO framework, PVC was found to have a lower carbon footprint than ductile iron pipe (Sustainable Solutions, 2017).

Life cycle cost analysis provides justification from the economic point of view to make better investment decisions, whereas life cycle assessment provides justification related to sustainability issues. It is important to integrate both life cycle cost analysis and life cycle assessment to provide a holistic picture to the decision maker.

14.0 Conclusion

This comprehensive water main break report for 2018 surveyed a statistically significant number of utilities that have collected data on underground infrastructure. The study was focused on material usage in water mains across the USA and Canada and was successful in getting 281 participants to respond to a basic survey and 98 utilities to respond to a detailed survey. The central focus was to obtain average values for water main break rates across North America. These results were presented in Figure 20, but are repeated in Figure 41. PVC has the lowest break rate of all the pipe materials considered. Lower break rates mean lower costs and improved longevity. Compared with the 2012 survey results, break rates for asbestos cement and cast iron pipes have increased significantly and should therefore be cause for concern for policy makers and utility officials alike.

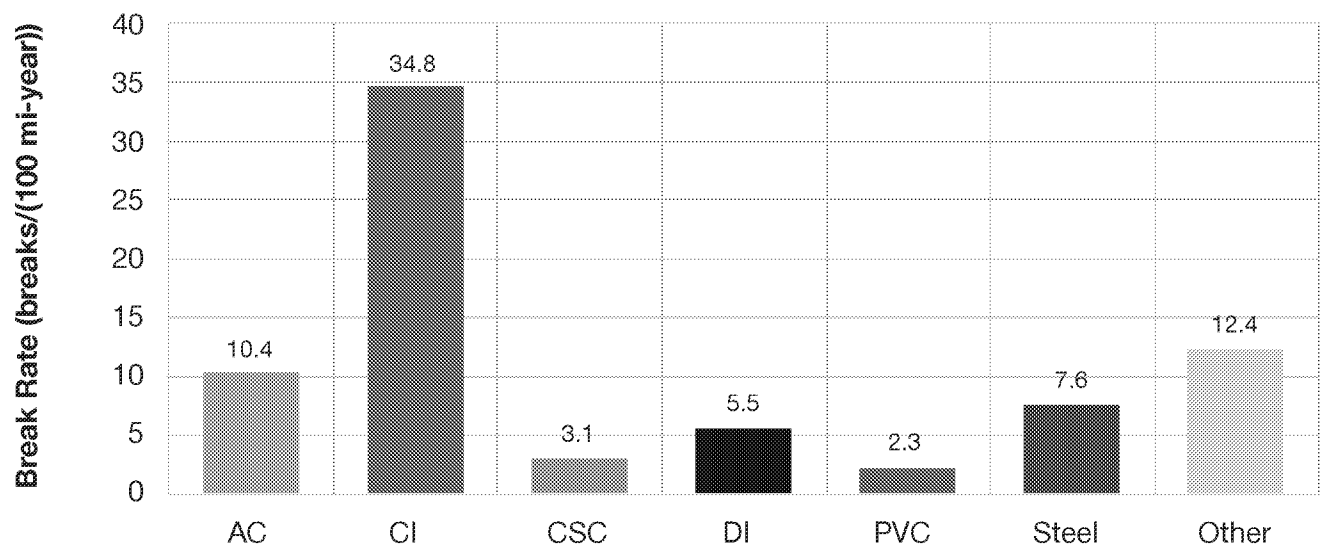
It is hoped that this study will be helpful to utility managers in comparing their experiences with the survey results and thereby make better decisions regarding possible changes in their asset management and procurement practices. Through greater understanding of the risks and issues surrounding the performance of our underground water infrastructure, utilities will be better able to manage our pipe networks and ensure their cost-effectiveness and sustainability.

14.1. Significant Results From This Study

Highlights of the water main break report also include:

- Pipe failure rate data for seven commonly used pipe materials
- Pipe break rates as a function of utility size
- Data on the distribution of pipe failures with pipe age for each material
- Data on the distribution of pipe failure modes for each material
- Analysis of the impact of soil corrosiveness on break rates
- The computation of a national corrosion index value for utilities
- A revised correlation of people served per mile of installed water main
- Average and maximum daily water demand correlations
- Current pipe material usage with a regional breakdown
- Pipe age and size distribution
- Average and maximum operation pressure data
- Most common pipe failure age and modes
- Percentage of utilities that allow installation of certain pipe materials
- Data on water main replacement rates and condition assessment
- Average water loss rate and correlation with break rates
- Preferences about pipe replacement methods

FIGURE 41: BREAK RATES OF EACH PIPE MATERIAL FROM THE BASIC SURVEY



14.2. Acknowledgements

This work was completed with support from Uni-Bell PVC Pipe Association and the Water Finance Research Foundation. Utah State University would like to thank the more than 300 water utilities that participated in this survey.

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Message

From: Tomassi, Chris (Appropriations) [Chris_Tomassi@appro.senate.gov]
Sent: 3/17/2018 9:08:10 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Yazoo Pumps Project

Thank you!

-------- Original message --------
From: "Jackson, Ryan" <jackson.ryan@epa.gov>
Date: 3/17/18 5:07 PM (GMT-05:00)
To: "Tomassi, Chris (Appropriations)" <Chris_Tomassi@appro.senate.gov>
Subject: Re: Yazoo Pumps Project

Just saw this. On it.

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

On Mar 17, 2018, at 2:40 PM, Tomassi, Chris (Appropriations) <Chris_Tomassi@appro.senate.gov> wrote:

Hi RJ – Apologies for bothering you on a Saturday, but I need some help/technical assistance ASAP.

Attached is language that we are considering re: the Yazoo pumps project that I've spoken with you about in the past. Susan Bodine provided us some technical assistance on a version of (c) and (d) in the attached language, so may have some insight. Our goal is to have language that builds the project.

1. If the attached language is signed into law, how would EPA interpret its role in consulting with the ACOE as required in (b) to identify alternatives that would have the same flood control impact?
2. If (b) asks EPA to take the lead and asks the Corps to consult EPA, would that have a negative impact on our goal to build the project?
3. What impediments does the language pose to moving forward with the project, as would be required in (c)/(d) if an alternative cannot be identified?
4. Are there technical problems that you see with the language?

I'm on my cell Ex. 6 if a call is easier.

Thanks,
Chris

Chris Tomassi

Senate Appropriations Committee
Subcommittee on Interior, Environment, and Related Agencies
chris_tomassi@appro.senate.gov

<Flood Control Updated Section1.docx>

Message

From: ECOS [ecos=ecos.org@mail184.atl61.mcsv.net]
on behalf of ECOS [ecos@ecos.org]
Sent: 3/9/2018 6:54:25 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: ECOS Urges Congressional Support of State Priorities in FY18 Budget, Engages in WOTUS Talks, & More

ECOS Urges Congressional Support of State Priorities in FY18 Budget, Engages in WOTUS Talks, & More

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ECOSWIRE

Friday, March 9, 2018
Vol. 20 No. 10

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ECOS Urges Congressional Support of State Priorities in FY18 U.S. EPA Budget

With Congress working to develop a fiscal year 2018 budget before the current continuing resolution expires on March 23, ECOS this week sent a letter to the U.S. House and Senate Appropriations Committees reiterating state priorities surrounding State and Tribal Assistance Grants. ECOS urge support for the "supercore" Categorical Grants: RCRA Core, Clean Water Act Section 106, State and Local Air Quality Management, Nonpoint Source Control (Section 319), Public Water System Supervision, Environmental Information, and Multipurpose Grants. The letter also highlights the need for funding in the State Revolving Loan Funds for drinking water and wastewater. ECOS identifies as priorities flexibility for states within STAG and support for the research work of U.S. EPA's

Office of Research and Development (ORD).

In a separate letter issued this week, ECOS urges Congress to retain the Integrated Risk Information System (IRIS) within ORD. "The IRIS Program's identification and characterization of chemical health hazards plays a vital role in states' efforts to protect their residents and environments against harmful toxic exposures," ECOS writes. This letter was sent in response to efforts to move IRIS from EPA's research office to a policy office, the Office of Chemical Safety and Pollution Prevention, through the FY18 budget process. [Hanson]

New WOTUS Discussions Begin with State-EPA-Corps Meeting

On March 8 and 9, representatives of nine states met in Washington, DC, with U.S. EPA's Office of Water led by Assistant Administrator Dave Ross and the U.S. Army Corps of Engineers to discuss an array of state issues and concerns regarding the definition of Waters of the United States (WOTUS). EPA and the Corps are in the process of rescinding the 2015 WOTUS rule. The meeting marked the start of information gathering and consultation with states and others to develop a new WOTUS rule.

Dialogue at the meeting centered on states' view of state versus federal jurisdiction over waters and opportunities and challenges regarding the definition of wetlands and tributaries. The participating states – Arkansas, Arizona, Florida, Iowa, Maryland, Minnesota, Oregon, Pennsylvania, and Wyoming – raised priority issues and provided diverse viewpoints to EPA and the Corps.

David Ross plans to attend a closed ECOS Spring Meeting session with states on **March 22** in order to discuss WOTUS with a larger set of state environmental agency directors. [Hanson]

ECOS Seeks Continued Consultation with U.S. EPA on Lead and Copper Rule Revisions

This week, ECOS submitted a comment letter in U.S. EPA's Federalism Consultation on revisions to the Lead and Copper Rule. In the letter, ECOS urges continued consultation

with states throughout the rule development process. In addition to applauding Administrator Pruitt's "war on lead," the letter encourages EPA to work with a variety of federal agencies to holistically address lead exposure. The need for state flexibility in achieving standards is also highlighted. ECOS' comments note that EPA should ensure the use of the latest research on lead exposure from drinking water and develop clear communication materials to assist states, drinking water providers, and the public in understanding the revised rule.

The Federalism Consultation was an early step in EPA's process to revise the rule. As EPA continues work on the Lead and Copper Rule revisions, ECOS will work to keep states informed and to convey state comments to EPA. [Hanson]

Final Agenda Issued for Spring Meeting in Minnesota

45 States Registered, Please Contact ECOS Before Canceling Hotel

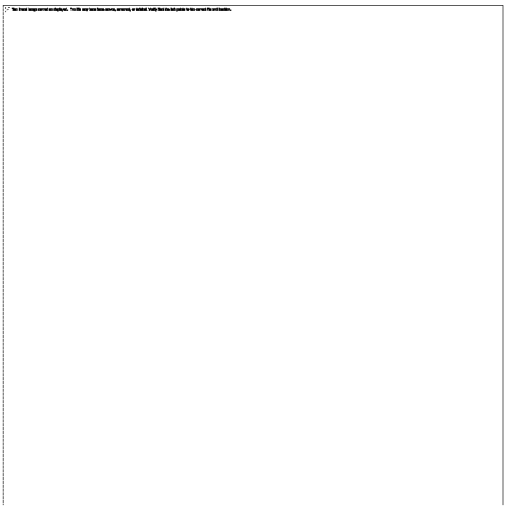
ECOS has issued the final agenda final agenda for its action-packed 2018 Spring Meeting on *Getting to Results,* for which 45 states and 190 participants now have registered. The **March 20-22** gathering in St. Paul, Minnesota will be headlined by Minnesota Governor Mark Dayton, ECOS leaders including incoming Executive Director Sam Sankar and President Todd Parfitt of Wyoming, U.S. EPA Chief of Operations Henry Darwin, and a generational expert on building for organizational success.

Although the ECOS room block at The Saint Paul Hotel has closed, the hotel currently is offering a room rate of $199 over the dates of the meeting. Please contact Megan Swanson of ECOS before canceling your group rate hotel reservations so that she can arrange a transfer to the next individual on the ECOS waiting list. Also, regular registration rates are available thru **March 9**. Visit the Spring Meeting page for hotel information and online registration.

For agenda information, please contact Lia Parisien. Contact Sarah Grace Longsworth for more registration information and Megan Swanson for more hotel information. Handy meeting maps appear on the last page of the agenda, but if you wish to print out the page in advance, it is located here.

We look forward to seeing you in St. Paul! [Parisien]

Henning Named Kansas Director of Environment



Leo Henning

The Kansas Department of Health and Environment (KDHE) on March 2 named Leo Henning as Director of the Environment. Henning succeeds former Director John Mitchell, who retired last month following more than 38 years of service at KDHE.

Henning has worked at KDHE for 25 years and served as the Director of the Bureau of Environmental Remediation for the past four years.

To read the official KDHE press release, click here. [Murphy]

Wright Nominated to Lead EPA's Office of Land and Emergency Management

On March 2, President Trump announced his intention to nominate Peter C. Wright as Assistant Administrator for U.S. EPA's Office of Land and Emergency Management.

Since 1999, Wright has worked at The Dow Chemical Company, where he serves as

Managing Counsel for Environmental Health and Safety and Principal Counsel for significant mergers and acquisitions. During his career, Wright has provided legal support for Superfund and other remediation sites. In 2017, he was recognized with a special award for the oversight and reorganization efforts of the company's remediation portfolio. [Parisien]

State News You Can Use

Texas Shares Video on Preparing Irrigation Systems for Springtime

Idaho DEQ Seeks Comment on Draft Volkswagen Settlement Beneficiary Mitigation Plan

Need-to-Know News in Air, Waste, & Environmental Justice

U.S. EPA Opens Comment Period on Proposed CTG Withdrawal

Area of Focus: *Air*

U.S. EPA is opening a 45-day public comment period on its plans to withdraw the Control Techniques Guidelines (CTG) for the oil and natural gas industry. EPA announced the proposed withdrawal last week because EPA is reconsidering the related 2016 methane rule for new and modified oil and gas sources. The agency "believes it is prudent to withdraw the CTG in its entirety," according to the *Federal Register*.

For more information, see here.

U.S. EPA Promulgates Final Rule on 2015 NAAQS Classifications Approach

Area of Focus: *Air*

U.S. EPA this week promulgated a final rule regarding the implementation approach that would be taken for areas in nonattainment with the 2015 National Ambient Air Quality Standard. The final rule outlines five basic levels of nonattainment, ranging from "marginal" to "extreme," along with the ozone thresholds that trigger them and the related timetables for coming into compliance.

The system relies on the same methods the agency used in implementing the 1997 and 2008 ozone standards, according to the final rule. Publication in the *Federal Register* opens the door for any challengers to bring a lawsuit within 60 days before the U.S. Court of Appeals for the DC Circuit.

For more information, see here.

U.S. EPA Promotes New System to Handle Hazardous Aerosol Can Waste

Area of Focus: *Waste*

U.S. EPA on March 6 proposed a system for handling hazardous waste of aerosol cans that reportedly encourages recycling and will save at least $3 million annually in regulatory costs. The proposal streamlines the regulation of the cans by adding them to a list of materials that can be managed under the universal waste management system, which already includes items like hazardous waste batteries, certain pesticides, and mercury-containing equipment and lamps.

If finalized, the proposal is expected to reduce the quantity of waste aerosol cans going to municipal solid waste landfills or waste combustors by promoting their collection and recycling, and encouraging the development of municipal and commercial programs.

The 60-day comment period will open soon. See more about universal waste here. [Longsworth]

South Carolina Representative Named to NEJAC; U.S. EPA Seeks to Fill State Vacancy

Area of Focus: Environmental Justice

U.S. EPA has announced the appointment of eight new members to its National Environmental Justice Advisory Council (NEJAC) including one state member, Karen Jacobs Sprayberry of the South Carolina Department of Health and Environmental Control.

EPA is also seeking four new members to fill NEJAC vacancies including one state and local government vacancy for terms through September 2019. Vacancies are anticipated to be filled by September 2018. Applicants have until **April 13** to apply. For more information, see the *Federal Register* notice.

The NEJAC was chartered to provide advice regarding broad, cross-cutting issues related to environmental justice. The recent March 8 NEJAC meeting focused on discussion and deliberation of draft reports from the Youth Perspectives on Climate Change Workgroup and the Environmental Justice and Water Infrastructure Finance and Capacity Workgroup. [Graves]

Upcoming Events

Webinars

ITRC on Geophysical Classification for Munitions Response

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course on *Geophysical Classification for Munitions Response* on **March 22 at 1-3:15 p.m. Eastern**.

For decades, the U.S. Department of Defense has produced and used military munitions for live-fire testing and training to prepare the U.S. military for combat operations. As a result, unexploded ordnance and discarded military munitions may be present at more than 5,200 former ranges and former munitions operating facilities throughout the United States. This training and associated guidance document and training class explain the process of geophysical classification, describe its benefits and limitations, and discuss the information and data needed by regulators to monitor and evaluate the use of the technology. This training also emphasizes using a systematic planning process to develop data acquisition and decision strategies at the outset of a munitions response effort, as well as quality considerations throughout the project. Stakeholder issues unique to munitions response are also discussed.

Learn more and register here. [Bodi]

ITRC on Groundwater Statistics

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course on *Groundwater Statistics for Environmental Project Managers* on **March 27 at 1-3:15 p.m. Eastern**.

Statistical techniques may be used throughout the process of cleaning up contaminated groundwater. It may be challenging for practitioners who are not experts in statistics to interpret and use statistical techniques. This training and associated guidance document were developed specifically for environmental project managers who review or use statistical calculations for reports, make recommendations or decisions based on statistics, or need to demonstrate compliance for groundwater projects. The training class will encourage and support project managers and others who are not statisticians to apply key aspects of the statistical approach to groundwater data, and answer common questions on background, compliance, trend analysis, and monitoring optimization.

Learn more and register here. [Bodi]

U.S. EPA on Small Drinking Water System Treatment Technologies

EPA will host its next monthly Tools and Resources Webinar on **March 28 at 3-4 p.m.Eastern** to highlight cost-effective treatment technologies for small drinking water systems. EPA's Office of Research and Development has developed and patented a biological water treatment technology to remove ammonia from agricultural areas where groundwater is the primary drinking water source. The webinar will showcase a pilot study-turned full-scale operating plant in Iowa that used the technology and was assisted by the Iowa Department of Natural Resources.

Register for the webinar here. [Longsworth]

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Credits*: AICP

Gain an understanding of the causes of poor well performance and the approaches used to prevent or correct poor well performance.Problems with well performance are usually preventable, often start with well construction and development, and are then exacerbated by water quality conditions, well operation and rehabilitation efforts. Discuss the key factors affecting well performance including well design, initial screen development, biological and mechanical plugging, and well rehabilitation methods. An asset management based approach is described that helps prioritize maintenance decisions and long term well field operation.Over the past several years there has been significant research done worldwide related to optimizing well performance. This research has included looking at the mechanisms involved with biological and mechanical plugging of aquifers, and the effectiveness of various rehabilitation technologies. The topic will also discuss several studies in Europe that looked at the mechanisms associated with poor well performance and innovative approaches being used to prevent or correct poor well performance.

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Message

From: Freedhoff, Michal (EPW) [Michal_Freedhoff@epw.senate.gov]
Sent: 3/10/2018 3:09:24 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Peter_Wright.pdf. ABA letter

Ty.

Sent from my iPhone

> On Mar 10, 2018, at 10:02 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>
>
>
> <Peter_Wright.pdf>
>
>
>
>
>
>
>
>
> Ryan Jackson
> Chief of Staff
> U.S. EPA
> Ex. 6
>

Message

From: Verhoff, Geoff [gverhoff@akingump.com]
Sent: 3/8/2018 5:56:33 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Karen Wright/Tom Rastin request

Ryan

I wanted to briefly follow up with you regarding a scheduling request we have into your office for Karen Wright and Tom Rastin. Karen Buchwald Wright is the CEO and President of Ariel Corporation and Tom Rastin (her husband) is the Executive Vice President of Ariel Corporation. They have been strong supporters of the Administrator and the Administration. They have also worked closely with Senator Inhofe, so you may have actually met them in your previous life. I think my colleague Ryan Thompson has also raised this with you too.

Associates of Karen and Tom have met with EPA (Bill Wehrum, Assistant Administrator, Office of Air and Radiation, Mandy Gunesekara, Brittany Bolen, & Drew Feeley, Office of Policy, & Bill Charmley, Director, Assessment & Standards Division, Office of Transportation and Air Quality) regarding parity between natural gas vehicles and electric vehicles. We know how busy you all are and we don't want to waste anyone's time, but Karen and Tom are very anxious to have the opportunity to meet the Administrator and briefly raise this issue with him.

I have been working with Haley Ford, who has been great, but we have been unable to find time for a meeting. Karen and Tom are literally willing to come in whenever it is most convenient for you all.

Do you think this is something you can help us elevate?

Thanks for anything you can do.

Best-

Geoff

Geoff K. Verhoff
AKIN GUMP STRAUSS HAUER & FELD LLP
1333 New Hampshire Avenue, N.W. | Washington, DC 20036-1564 | USA Ex. 6
Ex. 6 | gverhoff@akingump.com | akingump.com | Bio

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Message

From: Mike Neal [mikeneal@tulsachamber.com]
Sent: 3/23/2018 8:07:12 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Elizabeth Osburn [ElizabethOsburn@tulsachamber.com]
Subject: Re: Speaking Invite - Tulsa Chamber DC Fly In

RJ, you are the greatest. I'm headed to DC now for meetings through Tuesday.

If schedules allow I'd love to say hello some time and check on you.

Have a great weekend.

Mike

TULSA REGIONAL CHAMBER

Michael S. Neal, CCE, CCD, HLM
President and Chief Executive Officer
mikeneal@tulsachamber.com | Ex. 6
www.TulsaChamber.com

On Mar 22, 2018, at 10:04 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

On it. Millan Hupp and Hayley Ford will be your contacts on this one.

From: Elizabeth Osburn [mailto:ElizabethOsburn@tulsachamber.com]
Sent: Wednesday, March 21, 2018 5:30 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Cc: Mike Neal <mikeneal@tulsachamber.com>
Subject: Speaking Invite - Tulsa Chamber DC Fly In

Hi Ryan,

I hope you're doing well!

I wanted to reach out and extend an invitation to Administrator Pruitt to speak to the Tulsa Chamber during our Washington, DC Fly In on **Friday, May 11**. (As you might remember, he was out of town last year during our visit, but graciously helped us secure Secretary Zinke.) We're hoping his schedule will be open this year to address our group over breakfast at the Mayflower Hotel.

I've included all of the details below. As a side note, our trip runs from the evening of May 9 through May 11. We would love to have you join us for any time that your schedule is free! Is Michelle Hale still handling logistics, or is there another staffer I should include on this request?

Date: Friday, May 11, 2018
Time: 7:30am to 8:30am (or any one-hour period during the timeframe of 7:30-11:00am)
Location: Mayflower Hotel, Senate Room. 1127 Connecticut Ave. NW, Washington, DC 20036

Attendees: Tulsa Regional Chamber delegation
Appx. 75 CEOs and business/community leaders from the Tulsa region
(Detailed attendee list will be provided)

Thank you so much, and I look forward to hearing from you!

<image001.png>

Elizabeth Osburn | SVP, Government Affairs
elizabethosburn@tulsachamber.com Ex. 6
www.TulsaChamber.com

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Message

From: Peter Wright Ex. 6
Sent: 3/8/2018 11:34:56 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: here are two draft recusals for Peter Wright

Ryan

Thank you for sending these to me. These look to be what I expected. I will review them more carefully to and let you and Justina know any questions or comments that I have on the drafts.

Tomorrow is a travel day for me (back to Michigan from Southern California). I am around all of next week and can arrange to be available at about any time for a call. I expect we can finalize these quickly next week so that that they can be available for delivery.

I had a good introductory chat with Barry Breen about the time you sent this note.

I have a call scheduled tomorrow morning with Christian Palich and some of his colleagues before I head to the airport.

Regards,

Peter

> On Mar 8, 2018, at 2:43 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>
> <Peter Wright draft recusal after stock sale.docx>

Message

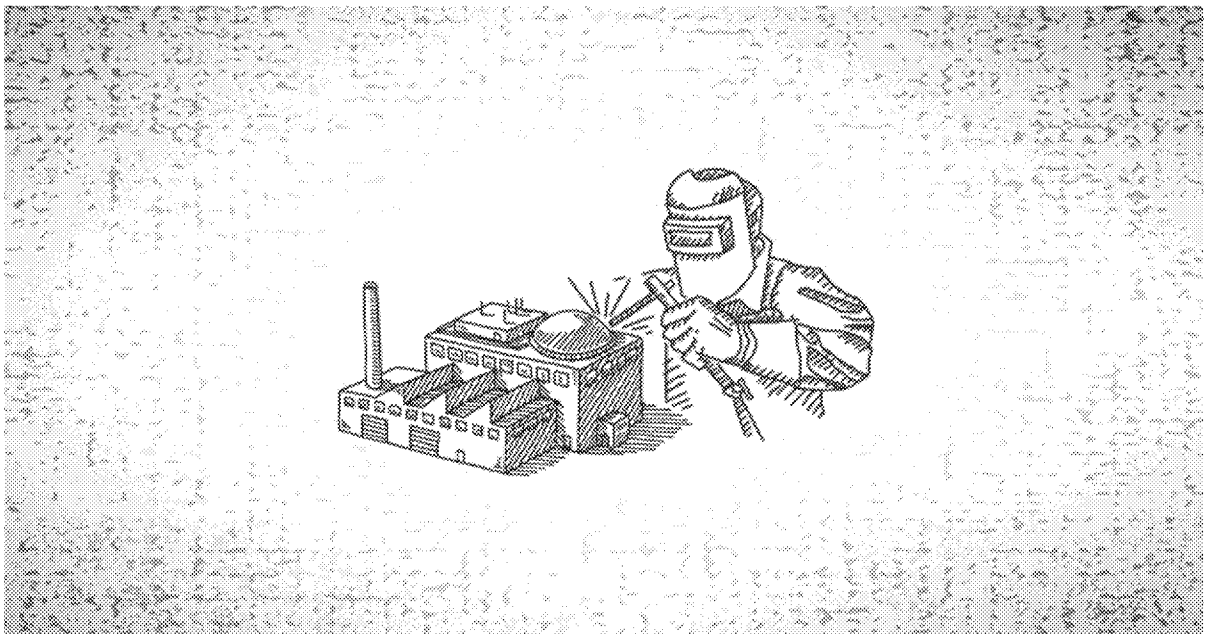
From: ClearPath Action [info@clearpathaction.org]
Sent: 3/15/2019 2:11:40 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: The Rundown - Could the Clean Air Act Impede Carbon Capture?

|MC:SUBJECT|

The Rundown

By: CLEARPATH ACTION

Welcome to your Friday Rundown, for the week ending March 15. I'm your driver, ClearPath Communications Director Darren Goode. Please let us know of anything we missed at **goode@clearpathaction.org**. As always, thanks for reading.

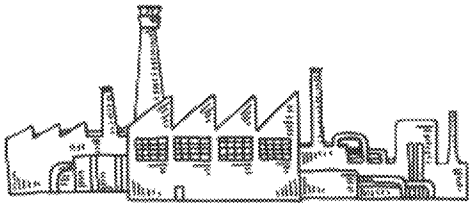


COULD THE CLEAN AIR ACT IMPEDE CARBON CAPTURE?

ClearPath Program Director Justin Ong and Policy Analyst Faith Smith in a **new blog** ponder an increasingly-pertinent question: Could a little-understood EPA regulation under the Clean Air Act unintentionally be a major impediment to building carbon capture projects at scale?

At issue is the New Source Review (NSR) program, which has long been a lightning rod in a larger debate over how aggressive the agency should be in overseeing projects that make modifications to existing power plants and industrial facilities – regardless of their size – from efficiency improvements to emissions controls. The program varies with each administration, making program enforcement incredibly inconsistent. The level of change that is deemed significant to trigger a new round of permitting under NSR is part art, part science.

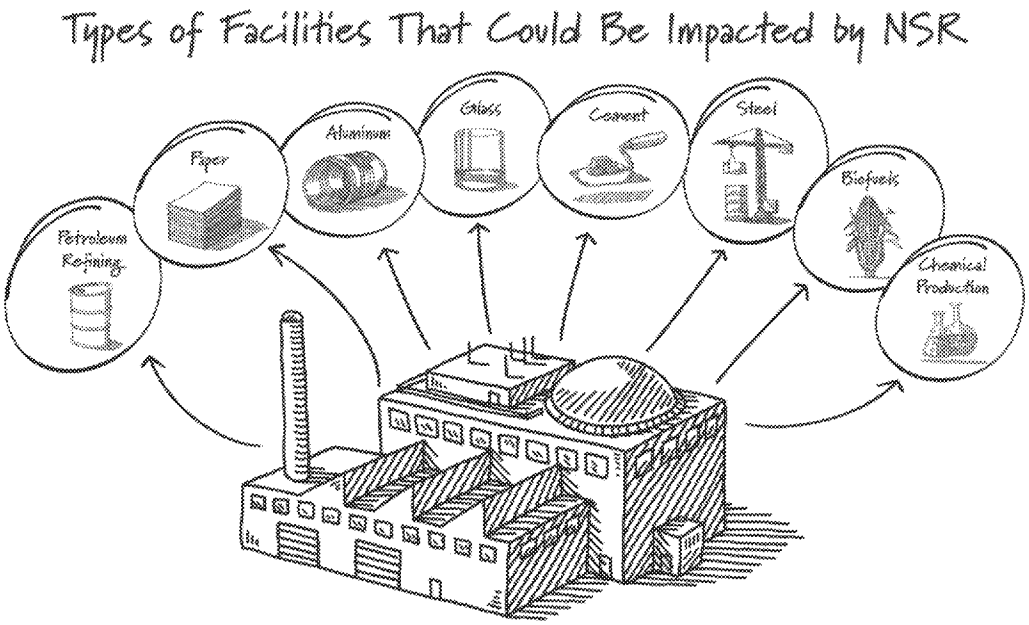
When is New Source Review triggered?



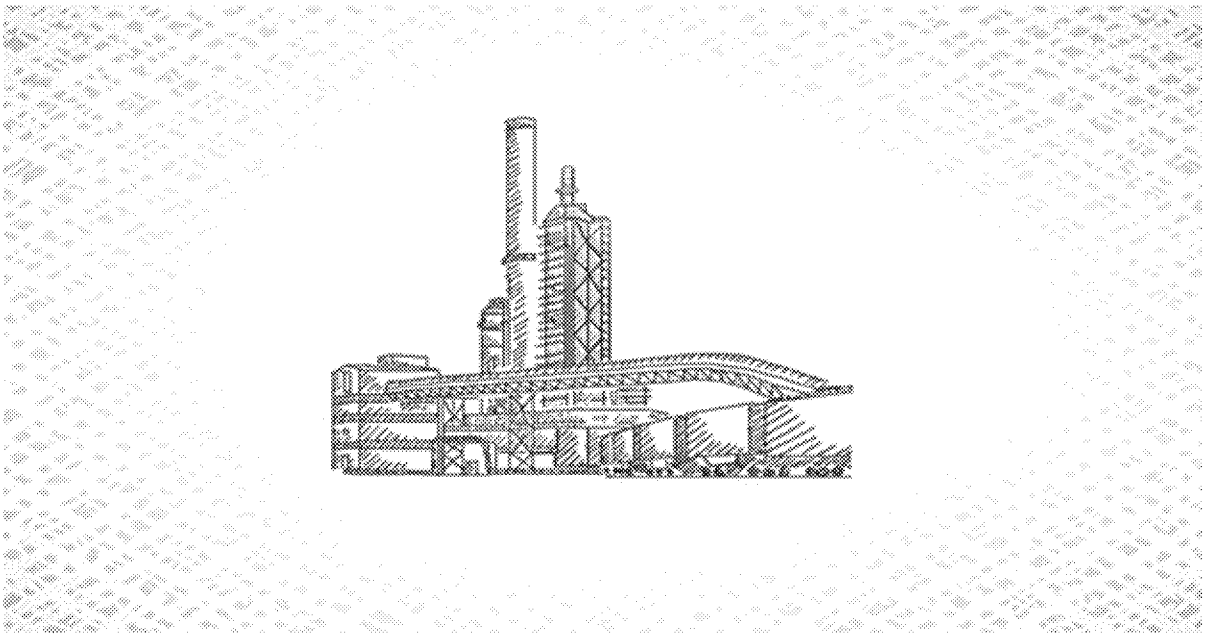
- ☑ If the project is a non-routine physical or operational change,
- ☑ If the project alone results in a significant emissions increase at a unit level,
- ☑ If the project results in significant emissions increases on a regional level

If NSR is indeed triggered, a whole host of (often unrelated) changes may be required to the facility that makes the original project uneconomic. Violations can result in hefty fines.

Now, amid an escalating debate over how to address the role of industry in curbing climate change, the program should be put under the microscope again as companies look to retrofit their coal and natural gas power plants to include technologies that can capture, store and utilize carbon emissions.



COULD THE CLEAN AIR ACT IMPEDE CARBON CAPTURE?

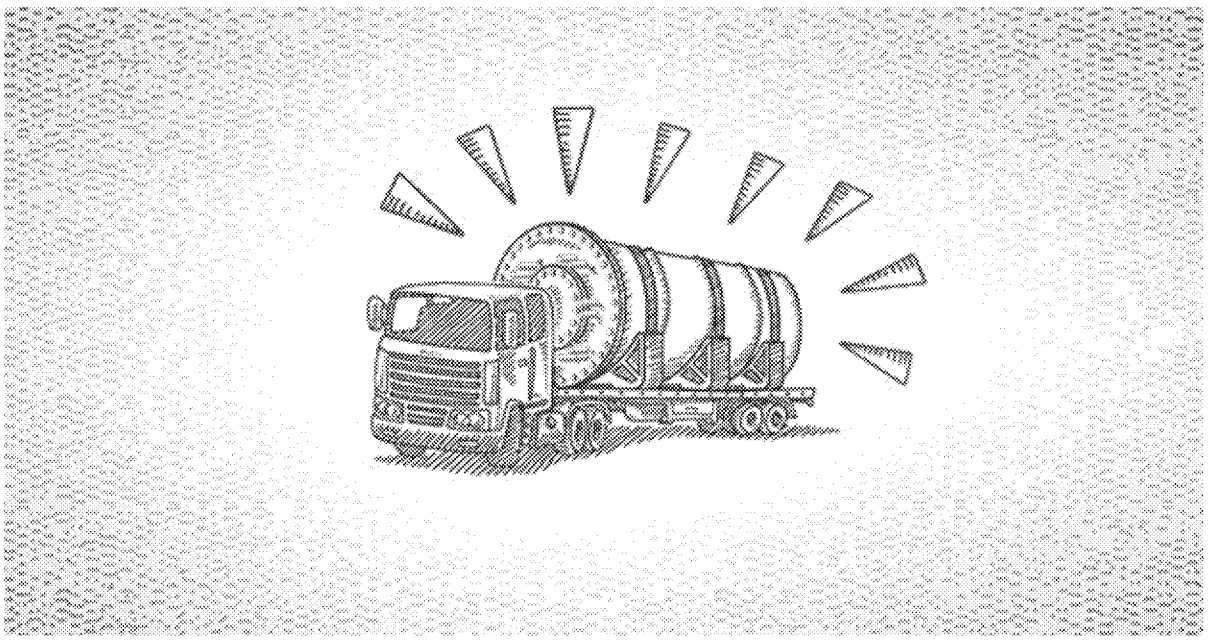


BIPARTISAN CARBON CAPTURE BILL INTRODUCED

Reps. David McKinley (R-W.Va.) and Colin Peterson (D-Minn.) introduced the **Carbon Capture Modernization Act (H.R. 1796)**, which is a companion to a bill **introduced last month** by Sens. John Hoeven (R-N.D.) and Tina Smith (D-Minn.).

The bills would modify the 48A tax credit to encourage more carbon capture at coal facilities.

The House bill is cosponsored by Reps. Pete Stauber (R-Minn.), Marc Veasey (R-Texas), Kelly Armstrong (R-N.D.), Terri Sewell (D-Ala.), Greg Gianforte (R-Mont.), and Alex Mooney (R-W.Va.). Senate bill cosponsors include Kevin Cramer (R-N.D.), Joe Manchin (D-W.Va.), John Barrasso (R-Wyo.), Jon Tester (D-Mont.), Lindsey Graham (R-S.C.) and Steve Daines (R-Mont.).



BIPARTISAN ADVANCED NUCLEAR FUELS BILL REINTRODUCED

Reps. Bill Flores (R-Texas) and Jerry McNerney (D-Calif.) reintroduced their **Advanced Nuclear Fuel Availability Act (H.R. 1760)**, which would direct DOE to establish a program supporting availability of high-assay low-enriched uranium (HA-LEU) via public-private partnerships to address regulatory and market challenges.

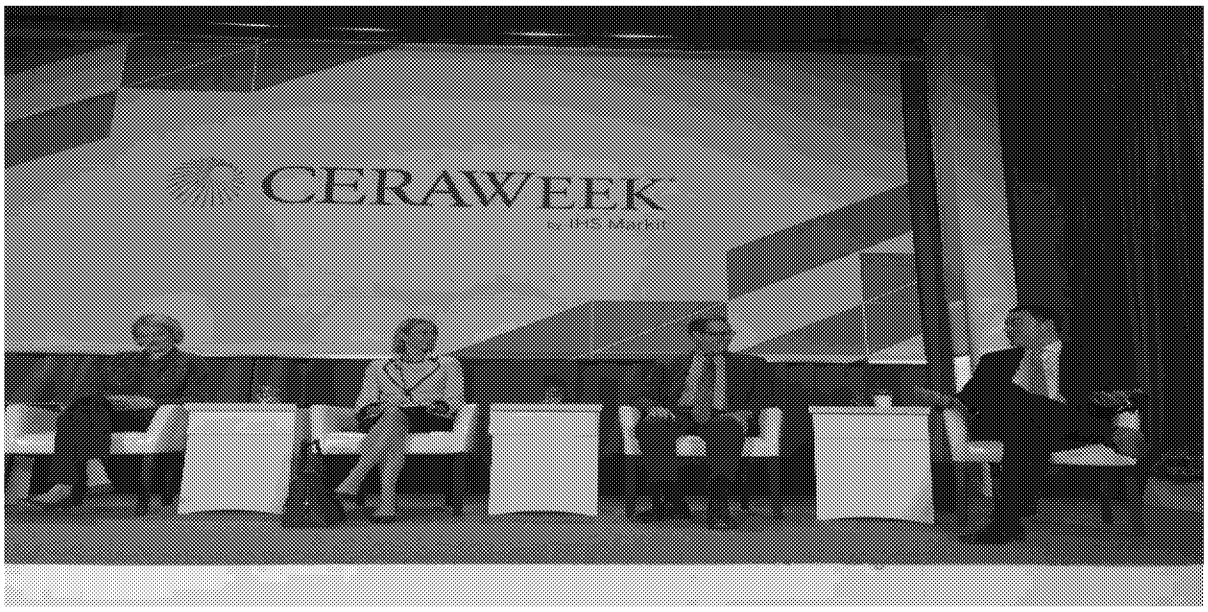
This bill, which the House approved last Congress, addresses the critical lapse in domestic supply of the HA-LEU that will be needed to fuel most advanced reactors being designed. Filling this supply here would allow the U.S. to take a major step toward catching up with China and Russia , who have been trying to corner the advanced reactor technology and fuel market.

ClearPath Action advisor and former Nuclear Regulatory Commission (NRC) Commissioner Jeffrey Merrifield co-authored a **white paper** sponsored by ClearPath and the U.S. Nuclear Industry Council that urged lawmakers, policymakers and the NRC to take prompt steps to ensure adequate supply of HA-LEU or risk continued progress in deploying the next generation of U.S. nuclear power.

RELATED READS

Nuclear Jobs Outlook Hinges On Advanced Designs, Existing Plants – Morning Consult

Want to stop climate change? Then it's time to fall back in love with nuclear energy – Hans Blix in TIME



TOP ENERGY OFFICIALS GATHER TO TALK INNOVATION

U.S. and global energy leaders gathered in Houston for IHS Markit's CERAWeek, with ramped up discussion on developing the next generation of clean and reliable power.

On a panel with Department of Energy Loan Programs Office Executive Director John Sneed and others, ClearPath Executive Director Rich Powell stressed that one key to financing energy innovation is setting **moonshot goals** to prioritize efforts.

"We need clear objective goals. We don't have that right now," Rich said. "We have a lot of federal programs and funding streams and we're getting innovative technology out of that. But we aren't focused on a specific objective where we can train all our resources and effort and come out the other end with the desired technology."

That focus should crisscross both public and private investments, he said. "We need to establish specific outcomes and then align all the tools and resources of DOE to achieving that outcome."

Meanwhile, Senate Energy and Natural Resources Chairman Lisa Murkowski (R-Alaska) and ranking member Joe Manchin (D-W.Va.) shared the main stage and gave a plea for bipartisan dialogue on climate change. That, in turn, could lead to "pragmatic solutions" and technologies that can lower carbon and be sensitive and positive for the economy, including carbon capture, advanced nuclear and energy storage, Murkowski said.

Energy Secretary Rick Perry also cited carbon capture and small modular reactor technologies as examples of a "new American energy era" where U.S. energy independence is a reality rather than merely a soundbite. "We need to support more innovation, not less of it," he said.

CERAWeek also showcased efforts major oil and gas companies are taking. BP CEO Bob Dudley urged lawmakers to spend more on carbon capture technologies to make them more commercially viable. "Our focus has to be on developing an energy system that is

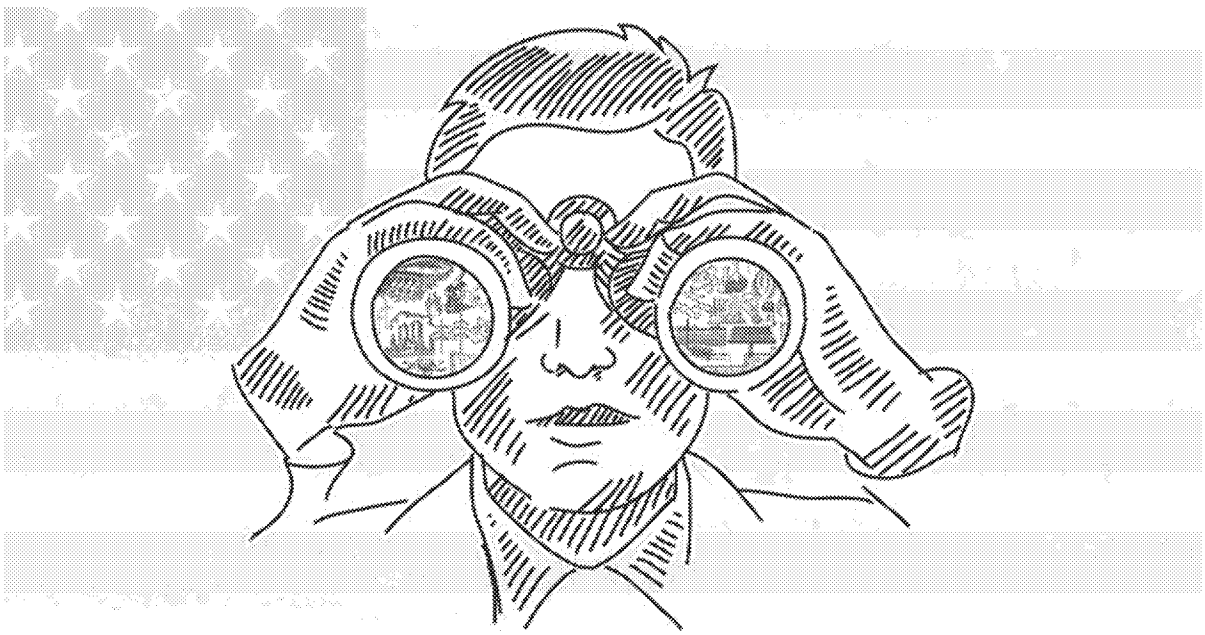
cleaner, better and kinder to the planet," he said.

RELATED READS

What America Needs is a 'Green Real Deal' – Former Obama Energy Secretary Ernest Moniz and Former George W. Bush Assistant Energy Secretary Andy Karsner

Meet the GOP Congressman Trying to "Redefine" Climate Narrative – CBS News

The Climate Debate – Rep. John Shimkus in Medium



88 GROUPS ASK CONGRESS TO BUMP UP ARPA-E FUNDING

ClearPath joined an 88-member coalition asking congressional appropriators and other leaders to boost ARPA-E next fiscal year to at least $400 million.

"ARPA-E plays a unique and critical role in maintaining America's global leadership in energy technologies," **the groups wrote**. A roughly $35 million increase from current funding would allow for one additional program solicitation to pioneer advances in a high-impact energy technology area.

Despite being just 10 years old, ARPA-E is already fostering technological breakthroughs in energy storage, transportation fuels, and industrial efficiency. "The importance of U.S. leadership in energy technologies to our economic and energy security makes ARPA-E a tremendous competitive advantage for our nation," they wrote. "Stable and sustained funding growth is necessary to ensure this successful program continues to enhance America's ability to pioneer the energy technologies of tomorrow."

NEWS NUGGETS

The U.S. energy storage market is expected to double for the second year in a row in 2019, according to a **new Wood Mackenzie forecast**. U.S. energy storage deployments hit 777 megawatt-hours in 2018 and grid-connected storage is forecast to be 1,681 MWh this year.

The economic impact of the National Renewable Energy Laboratory topped $1.1 billion in fiscal year 2017, according to **a study** by the University of Colorado Boulder's Leeds

School of Business.

THE PATH AHEAD

MARCH 28 The Carbon Utilization Research Council, Global CCS Institute and Carbon Capture Coalition host the first of a series of Carbon Lunches (co-sponsored by ClearPath and others), a set of educational briefings on carbon capture, use and storage. The initial briefing at the U.S. Capitol Visitor Center will feature senior officials at the International Energy Agency, C2ES, Global CCS Institute and World Resources Institute. **RSVP**

MISS A WEEK?

RUNDOWN ARCHIVES

Follow us on Twitter: **@JayFaison1**, **@powellrich**, **@ClearPathAction**

View this Rundown online

CLEARPATH ACTION

CLEAN ENERGY. THE CONSERVATIVE WAY.

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Clearpath, Inc.
611 Maryland Ave NE
Washington, DC 20002

Message

From: Ex. 6
Sent: 3/21/2018 6:19:19 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re:

Ryan,
I don't think it should be an issue but i Just found out that the oil company I was brought in to be a consultant to become compliant with environmental laws, Greka Oil Inc., still is in a lawsuit with EPA for damages.
I would obviously recuse myself and not want to be provided any information regarding the matter and would refer anything to my Deputy Administrator.
But I just found this out and wanted to bring it to your attention. I finished my consulting 5 Years ago after the company was deemed in compliance with federal, state and local agencies.
From what I know, Greka has never had a release or spill since I brought them into compliance.
Just wanted you to know since I just became aware of this.
Mike
Ex. 6

Sent from my iPhone

> On Mar 19, 2018, at 6:48 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>
> Mike, in your government affairs director role, have you registered as a federal lobbyist? It's not an issue just asking so we plan.
>
>
>
>
>
>
>
> Ryan Jackson
> Chief of Staff
> U.S. EPA
> Ex. 6
>

Message

From: Scott Lane [slane@pacellp.com]
Sent: 3/22/2018 3:21:29 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: natural gas vehicles

Ryan,

Are you around the next couple of weeks to meet at EPA to discuss natural gas vehicles?

Scott

> On Mar 15, 2018, at 7:15 AM, Scott Lane <slane@pacellp.com> wrote:
>
> Ryan,
>
> I was talking with Luke Holland and we thought of some ideas regarding how EPA could be very helpful in promoting natural gas vehicles. I was hoping you might have time to meet to discuss these ideas. I
>
> Let me know when it might be convenient to meet. Thanks.
>
> Scott
>
>

Message

From: Batkin, Gabrielle (EPW) [Gabrielle_Batkin@epw.senate.gov]
Sent: 3/17/2018 1:58:45 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Freedhoff, Michal (EPW) [Michal_Freedhoff@epw.senate.gov]; Lyons, Troy [lyons.troy@epa.gov]; Repko, Mary Frances (EPW) [mary_frances_repko@epw.senate.gov]; Palich, Christian [palich.christian@epa.gov]; Gunasekara, Mandy [Gunasekara.Mandy@epa.gov]
Subject: Re: Touching Base--Wheeler

Got it. Thanks for update. Keep us posted.

On Mar 17, 2018, at 9:46 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

> Right. Pruitt wanted to talk with us about it Monday, and I wasn't able to speak with him further about it Friday.
>
> Ryan Jackson
> Chief of Staff
> U.S. EPA
> Ex. 6
>
> On Mar 17, 2018, at 9:18 AM, Batkin, Gabrielle (EPW) <Gabrielle_Batkin@epw.senate.gov> wrote:
>
> > Hi friends. We are unable to make any more efforts until we receive the final draft. Clock is ticking.
> >
> > On Mar 16, 2018, at 4:49 PM, Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov> wrote:
> >
> > > Hi all
> > >
> > > Just checking in to see whether you had an ETA on the next draft (which just had a few tweaks we talked about on the phone yesterday AM)?
> > >
> > > Thanks
> > > Michal
> > >
> > > Michal Ilana Freedhoff, Ph.D.
> > > Director of Oversight
> > > Committee on Environment and Public Works Democratic Staff
> > >
> > > **From:** Lyons, Troy [mailto:lyons.troy@epa.gov]
> > > **Sent:** Wednesday, March 14, 2018 6:21 PM
> > > **To:** Batkin, Gabrielle (EPW) <Gabrielle_Batkin@epw.senate.gov>

Cc: Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW) <mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>
Subject: RE: Touching Base--Wheeler
Importance: High

Thanks all for taking the time to discuss the letter. Please find attached the final letter.

It would be helpful for us to have a call in the morning to walk through our edits first thing tomorrow morning. What works for you all? Our hope is that we can reach a deal tomorrow so a hotline may be run on a time agreement.

From: Batkin, Gabrielle (EPW) [mailto:Gabrielle_Batkin@epw.senate.gov]
Sent: Wednesday, March 14, 2018 10:55 AM
To: Lyons, Troy <lyons.troy@epa.gov>
Cc: Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW) <mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Touching Base--Wheeler

We will make it work. Here is call in info:

Ex. 6

On Mar 14, 2018, at 10:48 AM, Lyons, Troy <lyons.troy@epa.gov> wrote:

> Does 4:00 work for you all?
>
> ---
>
> **From:** Batkin, Gabrielle (EPW) [mailto:Gabrielle_Batkin@epw.senate.gov]
> **Sent:** Wednesday, March 14, 2018 10:42 AM
> **To:** Lyons, Troy <lyons.troy@epa.gov>
> **Cc:** Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW) <mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
> **Subject:** Re: Touching Base--Wheeler
>
> Thanks Troy. Michal will send proposed edits now. Important that we all talk so we understand where we all are, and where we think we can go. Is there a good time today on your end for a call?

On Mar 14, 2018, at 10:37 AM, Lyons, Troy <lyons.troy@epa.gov> wrote:

> I know there have been many calls over the last few days regarding a path forward on a time agreement for Andrew. There is mutual interest in getting Andrew confirmed and in place—especially since our career deputy is retiring at the end of the month. The purpose of this email is to get everything back on track and everyone on the same page. We all have a good history of working together to help get our nominees through and I believe that we can do the same with Andrew.
>
> As I understand it, the latest letter is with EPW and you all are currently making edits. Please send us your latest version and clearly outline what edits you would like to be incorporated. We will work in good faith to incorporate as many of your edits, within the parameters of MTE, as possible.
>
> We have a short time to get this done before the Spring Break; however, I think this is achievable.
>
> Sound good?
>
> _____
>
> **Troy M. Lyons**
> Associate Administrator
> Office of Congressional &
> Intergovernmental Relations
> U.S. Environmental Protection Agency
> Ex. 6

Message

From: Hayden, Lou - Luciano [lou.hayden@lowes.com]
Sent: 3/21/2018 2:02:43 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Thank you. Breakfast next Wed or Thursday?

Ryan-thank you for connecting me with the Administrator's scheduler. Although the timing didn't work out, I appreciate you doing that.

If you are available, we could do a small breakfast with you next Wednesday or Thursday.

Lou Hayden
Lowe's
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Message

From: Burke, Leacy (Inhofe) [Leacy_Burke@inhofe.senate.gov]
Sent: 3/21/2018 8:09:19 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: FW: National Journal Digital Copy
Attachments: 3.21.18 National Journal Q&A.PDF

From: Fitch, Laurie (Inhofe)
Sent: Wednesday, March 21, 2018 4:03 PM
To: Burke, Leacy (Inhofe) <Leacy_Burke@inhofe.senate.gov>
Subject: National Journal Digital Copy

Laurie Fitch
Press Assistant
U.S. Sen. James M. Inhofe
205 Russell Senate Office Building
(202) 224-1282

NationalJournal

03.21.18

WednesdayQ&A

WITH JAMES INHOFE

Sen. James Inhofe is a senior member of the Armed Services Committee. On Monday, the 83-year-old Republican sat down with Adam Wollner to discuss the potential U.S.-North Korea summit, defense-spending priorities, and what the future might hold for fellow Oklahoman Scott Pruitt.

What was the most surprising part of your recent congressional delegation to the Asia-Pacific region?
The surprising thing to me was our allies ... in the South China Sea have now come to the conclusion that they question our supremacy and loyalty over what they're observing with China. ... China is blatantly breaking the law because they don't own this property [that they're developing]. They're seeing that China can do that to the United States and the United States doesn't do anything. It's our reputation in that part of the world.

Do you think the summit that's being planned right now between President Trump and Kim Jong-un is a good idea?
Yes, it's a good thing that it's happening. [Kim] heard from our president that he's going to blow him off the map, and he probably thinks ... he's liable to do something like that. ... The big difference is, his father never had a weapon that would reach the United States. What happened on November the 28th [North Korea firing an intercontinental ballistic missile] has totally changed what's happening now in the relationship between Kim Jong-un and the United States.

What would a successful meeting look like to you?
It would look like that Kim Jong-un, in a verifiable way, has said that he is going to stop his nuclear buildup.

Does the two-year budget deal go far enough to address your concerns with military readiness?
Not as far as I'd like to have it go. But it broke parity [between defense and nondefense spending], that's the main thing. ... The [defense] increase is not nearly as large as it should be. But everywhere we go and any of the generals who walk through that door, they all say the same thing. We finally broke that, and that's a major thing.

What are your priorities for the next National Defense Authorization Act?
Missile defense is the most important single thing. ... The next is maintenance and modernization. Any time you get a president of the United States, and this has happened before ... the first thing they do is they don't do the maintenance.

The Trump administration imposed new Russia sanctions last week. Do those go far enough in your view to deter Russian aggression?
I'm probably the wrong person to ask because I don't think that sanctions against Russia can ever go far enough.

Were you concerned by the delay from the administration in imposing those sanctions?
I was. ... You've got to get tough with those guys and hit them where it hurts.

Are you confident Mike Pompeo will be confirmed as secretary of State?
I think so. And the reason is, he's already been confirmed. How do you justify not confirming someone you've already voted for? ... The one that could have a problem if he were to change jobs would be my friend [Environmental Protection Agency Administrator Scott Pruitt] from Oklahoma. There's rumors around, if something happened to [Attorney General] Jeff Sessions, that he might want to have that job. ... And I've gone on record saying I don't want him to have that job. I want him right where he is. ... Then if he did that, he'd have to go through another nightmare. There's never been in the history of America anyone who was abused as much as he was abused when he was going through confirmation to be the director of the EPA.

There are also some rumors Pruitt might be eyeing your seat in 2020. Have you given any thought to running for reelection yet?
I really haven't. I plan to. Do you remember the ad I did flying upside down? ... That's when they said, "Inhofe, you're too old to be in the United States Senate." And I said, "When I'm too old to fly an airplane upside down, I'm too old to be in the Senate." ... That ended that conversation. I don't have any plans either way—although he's one of my best friends, and I can't think of anyone, should I leave, that I'd feel more comfortable with than Scott Pruitt.

Are you concerned Trump will fire Special Counsel Robert Mueller?
I personally kind of hope he doesn't. ... I'm not for him or against him. I don't have strong feelings about him.

There are some bills that would protect Mueller in the event of a firing. Would you support any of those?
I haven't seen one that I would support yet. I wouldn't feel comfortable doing that if I thought the president was going to do it, because I felt he has the right to do it, being president of the United States, and he must have his reasons or he wouldn't. I just don't know those reasons. □

PHOTO: ASSOCIATED PRESS

ED_002480_00088449-00001

Message

From: Blowe, Brittany [Blowe.Brittany@epa.gov]
Sent: 3/15/2018 2:23:20 PM
To: Bernthal, Fred [fbernthal@ura-hq.org]
CC: Cunningham, Laticia [Cunningham.Laticia@epa.gov]; Brennan, Thomas [Brennan.Thomas@epa.gov]; Yeow, Aaron [Yeow.Aaron@epa.gov]; Carpenter, Thomas [Carpenter.Thomas@epa.gov]; Johnston, Khanna [Johnston.Khanna@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Official Offer of Employment with the U.S. EPA

Good morning Mr. Bernthal,

I'd like to discuss the following email with you. What is a good number to reach you?

Sincerely,

Brittany J. Blowe
Lead Human Resources Specialist
U.S. Environmental Protection Agency
Human Resources Management Division
Research Triangle Park, NC 27711
919-541-5666

OARM-RTP SERVE. SOLVE. COLLABORATE.

CONFIDENTIALITY: This communication may contain privileged or other confidential information. If you are not the intended addressee, or believe you have received this communication in error, you may neither copy, disseminate, nor distribute it to anyone else or use it in any unauthorized manner; to do so is strictly prohibited and may be unlawful. If you receive this email by mistake, please advise the sender immediately by using the reply facility in your mail software and delete it from your computer. "Information in this message may be subject to the Privacy Act (5 USC 552a) and should be treated accordingly."

From: Bernthal, Fred [mailto:fbernthal@ura-hq.org]
Sent: Thursday, March 15, 2018 10:20 AM
To: Blowe, Brittany <Blowe.Brittany@epa.gov>
Cc: Cunningham, Laticia <Cunningham.Laticia@epa.gov>; Brennan, Thomas <Brennan.Thomas@epa.gov>; Yeow, Aaron <Yeow.Aaron@epa.gov>; Carpenter, Thomas <Carpenter.Thomas@epa.gov>; Johnston, Khanna <Johnston.Khanna@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Official Offer of Employment with the U.S. EPA

Dear Ms. Blowe:
In February I received this email from you, but then a few days ago received another requiring still more documentation. Which should I consider correct?

For one who has held three presidential appointments and a variety of clearances including Q and top secret (currently **Ex. 6** I find EPA's procedure to be incredibly cumbersome, inefficient and time consuming, with multiple parties issuing overlapping communications and demands over the last two months. At NSF we managed to clear National Science Board appointees, PAS positions of more than comparable responsibilities, with a fraction of the red tape and hassle. Particularly unreasonable and annoying is that I should now be asked to take an hour or more out of my day to engage a notary who will be "signing on behalf of EPA" to certify my identity, when with minimal effort you can easily verify through OPM or other avenues based on information I've provided multiple times. Or, if you wish, when I show up for the first SAB meeting I'll bring my passport so that an appropriate EPA official may certify me "on behalf of

EPA". (Simply clearing anyone into the Capitol or the White House requires only a SS number and govt ID, which for them seems to be sufficient.)

There must be a way to cut through this. I will submit all the requested information, however duplicative, but I will not take my time to do EPA's work to confirm who I am.
Best regards,
Fred Bernthal

Sent from my iPad

On Feb 16, 2018, at 1:31 PM, Blowe, Brittany <Blowe.Brittany@epa.gov> wrote:

> Good afternoon,
>
> This email confirms that you submitted all required documentation to begin your appointment as a Special Government Employee (SGE) for the Environmental Protection Agency. The effective date of your appointment is **02/18/2018** not to exceed **02/17/2020.** Please work with your Designated Federal Official (DFO) regarding the next steps for your appointment.
>
> If you have any questions related to your appointment or pay, please let me know.
>
> Congratulations and thank you for service.
>
> Sincerely,
>
> Brittany J. Blowe
> Lead Human Resources Specialist
> U.S. Environmental Protection Agency
> Human Resources Management Division
> Research Triangle Park, NC 27711
> 919-541-5666
>
> <image001.png>
>
> CONFIDENTIALITY: This communication may contain privileged or other confidential information. If you are not the intended addressee, or believe you have received this communication in error, you may neither copy, disseminate, nor distribute it to anyone else or use it in any unauthorized manner; to do so is strictly prohibited and may be unlawful. If you receive this email by mistake, please advise the sender immediately by using the reply facility in your mail software and delete it from your computer. "Information in this message may be subject to the Privacy Act (5 USC 552a) and should be treated accordingly."
>
> ---
>
> **From:** Blowe, Brittany
> **Sent:** Tuesday, February 06, 2018 6:25 PM
> **Subject:** Tentative Offer for Special Government Appointment with the U.S. EPA
>
> Good evening,
>
> Congratulations on your tentative appointment as a Special Government Employee (SGE) for the Environmental Protection Agency. Please note that at this point, your appointment is **tentative**; you

should not begin any SGE work or travel until you receive official confirmation from me that you can begin. You will receive official confirmation once all information/documentation has been received and approved.

Below you will find important information regarding your appointment. **The tentative offer process is a two-step process.** You will receive access to the Entrance on Duty System (EODS) to complete electronic forms. Prior to receiving EODS access, you must complete step 1 forms below.

Step 1: Forms to Submit Prior to EODS Access

Step 1 Forms: *You can electronically sign or manually sign step 1 forms.*	1) OF-306 (Declaration for Federal Employment) (attached) – *Complete items1-17. Sign and date on line 17a and 17b. If you are a prior federal employee, complete section 18.* 2) State Tax Withholding Form – *Find the appropriate form at* ***http://www.bls.gov/jobs/statetax.htm****. You should complete the state tax form for which state you work in (not the state you reside in).*

Step 2: Forms from EODS

You will receive two emails from EODS. The first email will include a link and username. The second email will include a temporary password. Log in to EODS and complete all forms.

Forms submitted in EODS *You should complete the form, electronically sign and "submit for approval" in EODS.*	1) Direct Deposit Enrollment, SF-1199a- *Complete section 1 and section 3. Does not need to be completed by financial institution.* 2) Race and National Origin Identification, SF-181 3) Self-Identification of Handicap, SF-256 4) Federal Tax Withholding Form, W-4
Forms Requiring a Notary: *You should complete the form electronically. Click "Save and refresh". Click "Completed PDF" to print. Once the forms are verified, email forms to me.*	5) SF-61 (Appointment Affidavit) - *Print this document from EODS. Sign the form (Signature of Appointee) in the presence of a notary. The Notary should sign and stamp their seal in the lower section. An approved EPA representative can also verify the form.* 6) I-9 (Employment Eligibility Verification) – *Print this document from EODS. Section 1 should be complete already by EODS. You will need to complete Section 2 in the presence of a notary. The notary should complete the "certification" section and include their notary seal. If a List A document is used for verification, you should also provide a copy of your documentation.*

Please contact me with any questions you may have. I cannot proceed in making your appointment official until all forms are received.

Thank you,

Brittany J. Blowe
Lead Human Resources Specialist
U.S. Environmental Protection Agency
Human Resources Management Division
Research Triangle Park, NC 27711

919-541-5666

<image001.png>

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Message

From: Lyons, Troy [lyons.troy@epa.gov]
Sent: 3/14/2018 11:20:38 PM
To: Freedhoff, Michal (EPW) [Michal_Freedhoff@epw.senate.gov]
CC: Batkin, Gabrielle (EPW) [Gabrielle_Batkin@epw.senate.gov]; Repko, Mary Frances (EPW) [mary_frances_repko@epw.senate.gov]; Palich, Christian [palich.christian@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]; Gunasekara, Mandy [Gunasekara.Mandy@epa.gov]
Subject: Re: Touching Base--Wheeler

That works for me Mandy/rj?

Sent from my iPhone

On Mar 14, 2018, at 7:12 PM, Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov> wrote:

Thank you very much

Could we talk at 9:15? Ex. 6

Michal

Michal Ilana Freedhoff, Ph.D.
Director of Oversight
Committee on Environment and Public Works Democratic Staff

From: Lyons, Troy [mailto:lyons.troy@epa.gov]
Sent: Wednesday, March 14, 2018 6:21 PM
To: Batkin, Gabrielle (EPW) <Gabrielle_Batkin@epw.senate.gov>
Cc: Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW) <mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>
Subject: RE: Touching Base--Wheeler
Importance: High

Thanks all for taking the time to discuss the letter. Please find attached the final letter.

It would be helpful for us to have a call in the morning to walk through our edits first thing tomorrow morning. What works for you all? Our hope is that we can reach a deal tomorrow so a hotline may be run on a time agreement.

From: Batkin, Gabrielle (EPW) [mailto:Gabrielle_Batkin@epw.senate.gov]
Sent: Wednesday, March 14, 2018 10:55 AM
To: Lyons, Troy <lyons.troy@epa.gov>
Cc: Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW) <mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Touching Base--Wheeler

We will make it work. Here is call in info:

Ex. 6

Ex. 6

On Mar 14, 2018, at 10:48 AM, Lyons, Troy <lyons.troy@epa.gov> wrote:

Does 4:00 work for you all?

From: Batkin, Gabrielle (EPW) [mailto:Gabrielle_Batkin@epw.senate.gov]
Sent: Wednesday, March 14, 2018 10:42 AM
To: Lyons, Troy <lyons.troy@epa.gov>
Cc: Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW) <mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Touching Base--Wheeler

Thanks Troy. Michal will send proposed edits now. Important that we all talk so we understand where we all are, and where we think we can go. Is there a good time today on your end for a call?

On Mar 14, 2018, at 10:37 AM, Lyons, Troy <lyons.troy@epa.gov> wrote:

I know there have been many calls over the last few days regarding a path forward on a time agreement for Andrew. There is mutual interest in getting Andrew confirmed and in place—especially since our career deputy is retiring at the end of the month. The purpose of this email is to get everything back on track and everyone on the same page. We all have a good history of working together to help get our nominees through and I believe that we can do the same with Andrew.

As I understand it, the latest letter is with EPW and you all are currently making edits. Please send us your latest version and clearly outline what edits you would like to be incorporated. We will work in good faith to incorporate as many of your edits, within the parameters of MTE, as possible.

We have a short time to get this done before the Spring Break; however, I think this is achievable.

Sound good?

Troy M. Lyons
Associate Administrator
Office of Congressional & Intergovernmental Relations
U.S. Environmental Protection Agency
Ex. 6

Message

From: Davis, Bryer (Manchin) [Bryer_Davis@manchin.senate.gov]
Sent: 3/13/2018 8:57:22 PM
To: Venuto, Sarah (Manchin) [Sarah_Venuto@manchin.senate.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Call from Senator Manchin

Ryan – Senator Manchin is reachable this evening if you're available? The specific topic is the Weirton Area Revitalization Fund. Please let me know. Thanks.

From: Venuto, Sarah (Manchin)
Sent: Tuesday, March 13, 2018 4:52 PM
To: jackson.ryan@epa.gov
Cc: Davis, Bryer (Manchin)
Subject: Call from Senator Manchin

Ryan –

I hope you are doing well! It's been a while!

I know you are very busy but Senator Manchin would like to weigh in with you and the Administrator regarding a West Virginia issue. I'm copying his scheduler Bryer Davis here in the hopes that we can connect you somewhat quickly.

I can be reached at Ex. 6 with any questions or would be happy to call you. Bryer can be reached at Ex. 6

Thank you very much.

Sarah

Sarah Venuto
Chief Counsel
Senator Joe Manchin III (D-WV)
sarah_venuto@manchin.senate.gov
202.224.3954

Message

From: Tomassi, Chris (Appropriations) [Chris_Tomassi@appro.senate.gov]
Sent: 3/5/2018 7:51:40 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: CERCLA/EPCRA reporting

Definitely. Im around.

-------- Original message --------
From: "Jackson, Ryan" <jackson.ryan@epa.gov>
Date: 3/5/18 2:38 PM (GMT-05:00)
To: "Tomassi, Chris (Appropriations)" <Chris_Tomassi@appro.senate.gov>
Subject: Re: CERCLA/EPCRA reporting

Can I reach you on this sometime today or tomorrow?

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

On Feb 15, 2018, at 7:51 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

Perfect.

From: Tomassi, Chris (Appropriations) [mailto:Chris_Tomassi@appro.senate.gov]
Sent: Thursday, February 15, 2018 2:57 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: CERCLA/EPCRA reporting

Hi RJ – Thanks for sending this along. I'll dig into the issue a bit more than I have up to this point and we can discuss after I've had a chance to digest the language. I did visit with the House Majority this morning and this will be a priority issue for them as well, so we'll see what we can do.

I'd love nothing more than a planning session at Central tomorrow, but I'm totally booked. Let's make it happen sometime soon.

Chris

From: Jackson, Ryan [mailto:jackson.ryan@epa.gov]
Sent: Wednesday, February 14, 2018 7:20 PM
To: Tomassi, Chris (Appropriations) <Chris_Tomassi@appro.senate.gov>
Subject: CERCLA/EPCRA reporting

Kemosabe,

I've owed you this for some time, but attached is the information I've mentioned on reporting releases from farms above 100 lbs of ammonia and other compounds.

The thumbnail is that the GWB EPA issued a rule in 2008 which eliminated these release reporting requirements, but was vacated last year. The 100 lbs reporting requirement is the default in EPA CERCLA regs, and we are working on a new rule under CERCLA to raise these amounts for farms to 1,000 or 5,000 lbs which would cover all these small farms which due to the 2008 rule being vacated are facing calling the incident command center manned by the Coast Guard to report a release. So the ridiculous result is that a farm in the middle of Oklahoma is reporting to the Coast Guard while the Coast Guard really need to attend to real releases.

EPCRA has an exemption for routine agriculture. We issued guidance under that statutory exemption which tells small farms not to worry about reporting. So we are likely good presently under EPCRA.

Fischer introduced the bipartisan S 2421. This takes care of the reporting issue under CERCLA. We provided TA on the bill and actually provided the staff draft which is TA on how to take care of the issue for both CERCLA and EPCRA. I'm unsure the dynamics on why Fischer didn't include EPCRA, but like I mentioned all are aware of our guidance.

Due to the 2008 rule being vacated, small farms were going to have to call in to report releases earlier this year. The latest is that the deadline for reporting has been delayed to May 1 now. In the case which vacated the 2008 rule, the environmental group plaintiff even recognizes the small farm application is a problem and jointly petitioned the court with DOJ/EPA to delay the deadline to May 1 with the option of reassessing at that time to delay for even another 90 days.

In any event, we are working on new regs under both CERCLA and EPCRA. However, Fischer's office has done a great job of getting good bipartisan support and may even attract Senator Leahy's support too. Tucking her bill, the staff draft TA, or even a further delay in the release reporting deadline in the March 23 approps bill would allow us to fix this with a new rule.

I'm sure there's questions on this. Happy to talk through it or provide new TA on another idea.

Just wanted to get back with you on all this. Also, if you want, Central sounds pretty good on a Friday lunch. I'm sure that will help come up for a few more ideas too.

Ryan.

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency
Ex. 6

Message

From: Ex. 6
Sent: 3/7/2018 11:06:29 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Hi Ryan: Much as I believe in rolling back regulatory burdens at EPA, I think that...

a better utilization of my skill set would be to join the team at OMB and work toward identifying operational and budgetary efficiencies across a broad spectrum of government agencies. Any thoughts on how I could get an introduction to Mick Mulvaney, Russ Vought or one of the team members?

Best regards,

Ex. 6

Message

From: William McIntosh [Ex. 6]
Sent: 3/8/2018 2:49:55 PM
To: Palich, Christian [palich.christian@epa.gov]; Fugh, Justina [Fugh.Justina@epa.gov]; Lyons, Troy [lyons.troy@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: EPW Questionnaire
Attachments: EPWfinal.doc

attached is the final version adding Justina's counsel.

thanks for the help! Chad

UNITED STATES SENATE
COMMITTEE ON ENVIRONMENT AND PUBLIC WORKS
STATEMENT FOR COMPLETION BY PRESIDENTIAL NOMINEES

UNITED STATES SENATE

COMMITTEE ON ENVIRONMENT
AND PUBLIC WORKS

ROOM 410 DIRKSEN SENATE OFFICE BUILDING
WASHINGTON, DC 20510

INFORMATION

REQUESTED OF PRESIDENTIAL
NOMINEES

In order to assist the Committee in its consideration of nominations, each nominee is requested to complete the attached Statement for completion by Presidential Nominees. The Statement is intended to be publicly available. In the event that a nominee asks that a specific answer be kept confidential, he or she should notify the Chairman and Ranking Member.

The original and forty (40) copies of the requested information should be made available to the Honorable John Barrasso, Chairman, Committee on Environment and Public Works, U.S. Senate, Washington, DC 20510 (Attn: Matt Leggett) as soon as possible.

Name of Nominee:

William Charles McIntosh (Chad)

Position to which nominated:

Assistant Administrator USEPA Office of International and Tribal Affairs

Date of Nomination:

Ex. 6

Ex. 6

Ex. 6

Ex. 6

Ex. 6

Ex. 6

Ex. 6

Ex. 6

Ex. 6

Ex. 6

Message

From: neringa valkiunas Ex. 6
Sent: 3/15/2019 4:54:09 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Thank you for meeting with Stop Sterigenics

Good evening (or Good Morning if you are reading this in the am),
I wanted to personally thank you and Administrator Wheeler (I don't know his email) for meeting with our group yeaterday. It was truly a sincere meeting where it felt we were able to see understand all situations better. We truly have a long road ahead of us and I look forward to helping in any way I and the group can.

I am writing not only to thank you and Administrator Wheeler, but to ask if you knew where I could locate aome information.

If sterilization companies can provide any type of SIC or NAICS codes in order to not haveto self report, is there a list of all EtO sterilization companies that is public? I hope I'm not being too bold on asking that and understand if that information is private, I just thought you would be the best person to ask.

Again, thank you for meeting with us. I'll be back on the 27th for the HCL hearing, perhaps we'll meet again!

Sincerely,

Neringa

Neringa Liepsna Valkiunas Zymancius

Ex. 6

Email:

Ex. 6

stopsterigenics@gmail.com

Twitter:

@NLVZ1314

@StopSterigenics

FaceBook:

Liepsna Neringa

Stop Sterigenics

Sent via phone- apologies for any misspellings

Message

From: George D. Baker [gdbaker@wms-jen.com]
Sent: 3/16/2018 6:34:15 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]

Hi Ryan: With Joe Stanko out of town I just want to be available to you if there is anything to discuss. I am reachable today or whenever at the office this afternoon or after 5 pm today on my cell. Enjoy St. Patrick's Day!

George Baker
Williams & Jensen

Ex. 6

Disclaimer

This message, and any attachments to it, are from Williams & Jensen, PLLC and are intended only for the addressee. Information contained herein is confidential, privileged and exempt from disclosure pursuant to applicable federal or state law. If the reader of this message is not the intended recipient, you are notified that any use, dissemination, distribution, copying or communication of this message is strictly prohibited. If you have received this message in error, please notify the sender immediately by return email and delete the message and any attachments. Thank you

Message

From: Nick Baker [nickbaker@eventsproleads.org]
Sent: 3/9/2018 5:03:12 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: [SPAM-Sender] Green California Summit, USA, Apr-2018

Hi,

Hope this email finds you well!

Wishing you all the best for **Green California Summit, USA, Apr-2018**

I am following up to check if you are interested in acquiring the "Attendees List of **Green California Summit, USA, Apr-2018**".

Let me know if you would like to acquire 2,000 Attendees List? We have special discounted Price for this month.

Green California Summit, USA, Apr-2018-Attendees List
Total Count: **2,000**

Each Contact Includes for Attendees List: **Business Name, Client Name, Title, Email Address, Contact Number, and Web Address.**

Thank you and look forward to hear from you.

Regards,
Nick Baker-Research Associate

Message

From: Dain Hansen [dain.hansen@iapmo.org]
Sent: 3/6/2018 1:32:12 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: Meeting and Speaking Request in California

Hey Ryan,

Any help you can give me in securing a meeting with you boss would be appreciated. We have sought a meeting four different times, with no luck. We were excited about our meeting with AA Ross on March 20, which has been on the books for two months, but just moments ago, I got a note from his scheduler, Crystal, that our meeting with Ross has already been scheduled…

Can you provide some assistance?

Thanks, buddy...

Dain M. Hansen
Senior Vice President
Government Relations
The IAPMO Group
101 Constitution Avenue, NW
Suite 825 East
Washington, D.C. 20001
Ex. 6
www.IAPMO.org/GR
www.Twitter.com/IAPMOGR
www.Linkedin.com/in/DainHansen

Begin forwarded message:

From: "Ford, Hayley" <ford.hayley@epa.gov>
Subject: RE: Meeting and Speaking Request in California
Date: March 5, 2018 at 1:20:55 PM EST
To: Dain Hansen <dain.hansen@iapmo.org>, "Bennett, Tate" <Bennett.Tate@epa.gov>
Cc: Michael Galano <michael.galano@hklaw.com>, "rich.gold@hklaw.com" <rich.gold@hklaw.com>

Hi Dain,

Thanks for reaching out. Regarding the California speaking engagement, unfortunately, we are not able to bring him out there in May, but I'm happy to send on to Dave Ross who leads our Water office, to see if it works for his schedule. Let me know.

I know you've been trying to set up a meeting for the week of March 19, but we have several high priority items that are popping that week that need his attention and some travel so it's not looking like that will work. I'll let you know if that changes. Alternately, happy to set you up with senior staff to meet with instead.

Thank you!

Hayley Ford
Deputy White House Liaison and Personal Aide to the Administrator
Environmental Protection Agency
ford.hayley@epa.gov
Phone: 202-564-2022
Ex. 6

From: Dain Hansen [mailto:dain.hansen@iapmo.org]
Sent: Monday, March 5, 2018 10:36 AM
To: Jackson, Ryan <jackson.ryan@epa.gov>; Bennett, Tate <Bennett.Tate@epa.gov>; Ford, Hayley <ford.hayley@epa.gov>
Cc: Michael Galano <michael.galano@hklaw.com>; rich.gold@hklaw.com
Subject: Meeting and Speaking Request in California

Hi Ryan, Tate and Hayley,

I hope you are all well!

I wanted to follow up on our earlier emails and discussions regarding scheduling that meeting with Administrator Pruitt (our executives are coming to town the week of March 19). I know we've had challenges with scheduling, but hopefully we can get on the Administrator's schedule that week...

Secondly, per our meeting with Ryan, and in our email exchanges with Tate, I am attaching the Speaking Request Form for Administrator Pruitt to speak at the Emerging Water Technology Symposium in Southern California in Mid-May.

As mentioned in our meetings, should Administrator Pruitt be able to attend, we can also arrange for tours and meetings with the Los Angeles Department of Water and Power (one of the most incredible and advanced water treatment facilities in the country), and also a tour of our product testing and certification laboratory where we test and certify 99 percent of all plumbing products in our country. The laboratory is also in Ontario, CA

Should you have any additional questions, or need further information, please let me know.

Thank you, and have a great week.

Dain M. Hansen
Senior Vice President
Government Relations
The IAPMO Group
101 Constitution Avenue, NW
Suite 825 East
Washington, D.C. 20001
Ex. 6
www.IAPMO.org/GR
www.Twitter.com/IAPMOGR
www.Linkedin.com/in/DainHansen

Message

From: Bud Ground [bud@cgc-llc.net]
Sent: 3/8/2018 2:06:31 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Water Model Issue

I just heard from the OWRB and I was told that at EPA headquarters there are several people from the Standards and Health Protection Division including Jennifer Brundage and Lars Wilcut pushing this policy.

Bud

Sent via the Samsung Galaxy S7, an AT&T 4G LTE smartphone

Message

From: Justin Wingerter [JWingerter@oklahoman.com]
Sent: 3/6/2018 8:35:03 PM
To: Wilcox, Jahan [wilcox.jahan@epa.gov]
CC: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Travel story

Jahan and Ryan,

Good afternoon. *The Oklahoman* will have a story in tomorrow's newspaper about Administrator Pruitt's use of first-class and coach travel while attorney general. By my count, Pruitt traveled first class just four times out of the 80 trips he took. Our story will reflect this in a way I consider to be fair.

Regardless, I did want to let you know in case the EPA or the administrator would like to comment. If so, my deadline is in three hours, 5:30 p.m. central time/6:30 p.m. eastern time.

Justin Wingerter
Federal government reporter
The Oklahoman
Ex. 6
jwingerter@oklahoman.com

Message

From: Sewell, Kenneth [kenneth.sewell@okstate.edu]
Sent: 2/28/2018 4:46:46 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: sedwards@caphillgrp.com; Wagner, Kevin [kevin.wagner@okstate.edu]
Subject: Following up
Attachments: OP Produced Water.pdf

Ryan,

Thanks again for a good meeting this morning.

Attached is the overview of out produced water expertise and activities. The document is a year old, so there could be a couple of outdated details. But this gives the general picture.

Best,

****

Kenneth W. Sewell, Ph.D.
Vice President for Research
Ex. 6
Kenneth.Sewell@OKState.edu
http://www.VPR.OKState.edu
#OSUResearchMatters

From Waste to Commodity

OSU research to repurpose produced water

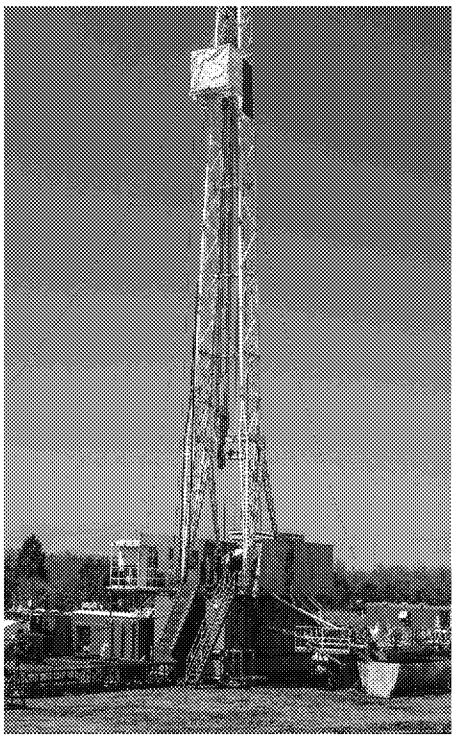
Energy production is vitally important to Oklahoma's economy: OSU innovation ensures that impact

Introduction:

Located in a state where the oil and gas industry is important to the economy, Oklahoma State University is home to a wide variety of disciplines focusing on energy production. Energy research and technology development across OSU colleges and programs is a key component of solving problems related to produced water. Existing strengths at OSU include engineers (petroleum, chemical, materials science, civil and environmental, biosystems and agricultural) as well as scientists (e.g., geology), to name a few. Many faculty in these fields already focus talent and resources on the produced water issue. The need involves affordable and efficient treatment, disposal, or repurposing of wastewater produced by oil and gas extraction. Potential economic benefits are reducing the cost of energy production and making available treated water for a variety of uses.

Definition:

Produced water is the term used to describe fluids produced from the oil and natural gas extraction process. Currently, produced water is treated as a waste product that must be disposed of. That disposal is expensive, has been linked to seismicity, and negatively impacts the industry's ability to produce oil and natural gas economically based on market price.



Currently at OSU:

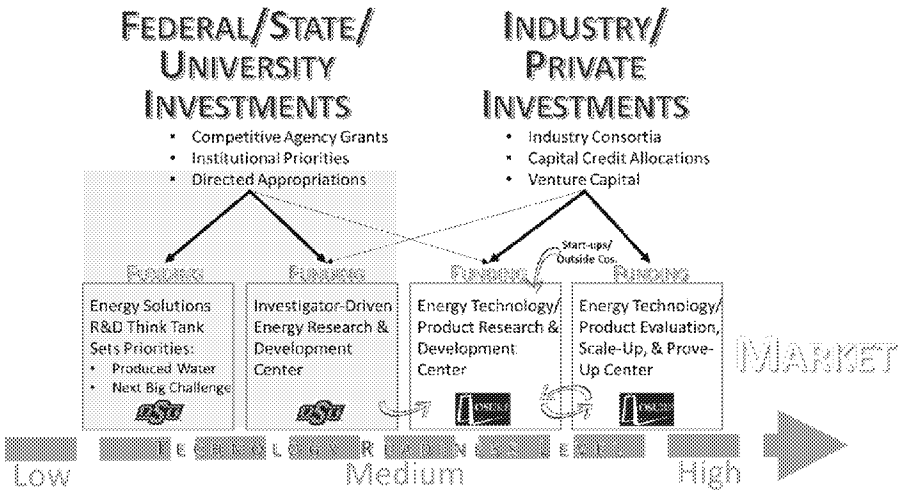
OSU is home to the National Energy Solutions Institute (NESI), closely partnering with an industry consortium (the NESI-SES Association). Core areas of research strength at OSU include numerous experts whose work focuses on treating and repurposing contaminated water as well as those developing energy production technologies. The key need is treating the wastewater to make it usable as a fluid in drilling production or safe to use for other purposes. The most difficult challenge in treating produced water is the removal of dissolved salts and suspended solids. OSU is exploring how to adapt existing technologies to economically address this challenge, as well as developing new and innovative processes. Biosystems and agricultural engineers, as well as chemical, civil, and materials science engineers, are working with a variety of novel membrane systems for desalination. Other OSU researchers are working on how best to repurpose treated produced water for use in agriculture and industrial applications. Others are deploying micro-organisms, such as bacteria and algae, to degrade chemicals in contaminated water, including produced water. OSU investigators are established experts in irrigation systems, surface water quality, and the potential impacts of using water that has been treated to varying levels of purity in aquifer, drinking water, and surface water systems. Others are working to fully understand the geophysics of oil and gas fields in specific regions, developing technological innovations in extraction methods, and formulate mathematical models of the environmental impact of produced water remediation and re-use. Thus, OSU experts across a number of disciplines are dedicated to solving this technological and societal problem.

In addition to the academic researchers at OSU, the OSU Research Foundation (OSURF) has begun engaging with industry partners and with start-up companies, all of whom are eager to solve the produced water problem. OSURF has begun testing technologies to determine which have

potential to be further developed into commercially viable produced water solutions. For those that show promise, OSURF can then work with industry, investors, and researchers to bring resources (both financial and human) to scale (and potentially combine) these technologies to the point of commercial application. The OSURF produced water initiative thus represents yet another OSU asset.

Potential:

Given the critical need for technological solutions to make the reutilization of produced water possible and economical, research and development across the basic-to-applied spectrum is required. For those projects high on the technology readiness level (TRL) scale (those nearly ready for commercial use), it is appropriate for the R&D funding to be provided in large part by those who will benefit most: private sector companies and investors. As described above, OSURF is facilitating just such a process, providing a pathway for companies (those in NESI-SES and others) to join together in support of produced water solutions that can benefit the entire sector. This framework is depicted in the right half of the figure above. In order to generate the highest possible volume of potential solutions, and to fully leverage the expertise of the academic community at OSU and elsewhere, it is critical that basic and mid-TRL applied research be focused on the problems associated with reutilizing produced water (the left side of the figure)...and that such an organization be systematically connected to the industry/private framework that takes solutions from the idea stage to market. OSU



is proposing to consolidate and enhance its capabilities to formalize an Energy Research and Development Center.

Needed Support:

A total of $17.5M is sought to fully fund the first five years of OSU's Energy Research and Development Center and its associated think tank (the light orange shaded components in the figure above). Funding would be utilized to fully staff and support the center, to secure the involvement of non-OSU researchers within Oklahoma as well as from other energy producing states, and to improve and consolidate facilities to promote increased collaborations among center affiliates. The majority of these funds (approximately $10M) would directly fund cutting-edge, investigator-driven research projects designed to solve key problems associated with produced water, and to develop processes and technologies that will convert produced water from a costly waste product requiring disposal to a valuable commodity that can be reutilized for a variety of purposes, including agriculture and drought mitigation. Where appropriate, technologies will be transferred into the development center at OSURF where private sector resources can be leveraged for feasibility assessment, scale-up, verification, and commercialization.

Conclusion:

With a well-established, multidisciplinary network of energy, environmental and agriculture research experts at Oklahoma State, the university is positioned to expand its R&D resources to become a major institutional center for tackling energy production problems, most immediately the remediation of produced water. That expertise can best be focused with the establishment of the Energy Research and Development Center, which will improve the economics of energy development in Oklahoma and the economy of the state and region.

For more information, contact the OSU Vice President for Research at vpr@okstate.edu or 405-744-6501.

Message

From: Freedhoff, Michal (EPW) [Michal_Freedhoff@epw.senate.gov]
Sent: 3/14/2018 3:59:51 PM
To: Lyons, Troy [lyons.troy@epa.gov]; Batkin, Gabrielle (EPW) [Gabrielle_Batkin@epw.senate.gov]
CC: Repko, Mary Frances (EPW) [mary_frances_repko@epw.senate.gov]; Palich, Christian [palich.christian@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]; Freedhoff, Michal (EPW) [Michal_Freedhoff@epw.senate.gov]
Subject: RE: Touching Base--Wheeler
Attachments: Carper et al MTE _FINAL DRAFT_mmg + bw.docx2 EPW edits.docx

Here you go – note that there are a few explanations and questions in comment boxes that might not show up if you're reading this on your phones.

Talk to you later.

michal

Michal Ilana Freedhoff, Ph.D.
Director of Oversight
Committee on Environment and Public Works Democratic Staff

From: Lyons, Troy [mailto:lyons.troy@epa.gov]
Sent: Wednesday, March 14, 2018 10:56 AM
To: Batkin, Gabrielle (EPW) <Gabrielle_Batkin@epw.senate.gov>
Cc: Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW) <mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: RE: Touching Base--Wheeler

Thank you!

From: Batkin, Gabrielle (EPW) [mailto:Gabrielle_Batkin@epw.senate.gov]
Sent: Wednesday, March 14, 2018 10:55 AM
To: Lyons, Troy <lyons.troy@epa.gov>
Cc: Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW) <mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Touching Base--Wheeler

We will make it work. Here is call in info:

Ex. 6

On Mar 14, 2018, at 10:48 AM, Lyons, Troy <lyons.troy@epa.gov> wrote:

> Does 4:00 work for you all?
>
> ---
>
> **From:** Batkin, Gabrielle (EPW) [mailto:Gabrielle_Batkin@epw.senate.gov]
> **Sent:** Wednesday, March 14, 2018 10:42 AM
> **To:** Lyons, Troy <lyons.troy@epa.gov>
> **Cc:** Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Repko, Mary Frances (EPW)

<mary_frances_repko@epw.senate.gov>; Palich, Christian <palich.christian@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Touching Base--Wheeler

Thanks Troy. Michal will send proposed edits now. Important that we all talk so we understand where we all are, and where we think we can go. Is there a good time today on your end for a call?

On Mar 14, 2018, at 10:37 AM, Lyons, Troy <lyons.troy@epa.gov> wrote:

> I know there have been many calls over the last few days regarding a path forward on a time agreement for Andrew. There is mutual interest in getting Andrew confirmed and in place—especially since our career deputy is retiring at the end of the month. The purpose of this email is to get everything back on track and everyone on the same page. We all have a good history of working together to help get our nominees through and I believe that we can do the same with Andrew.
>
> As I understand it, the latest letter is with EPW and you all are currently making edits. Please send us your latest version and clearly outline what edits you would like to be incorporated. We will work in good faith to incorporate as many of your edits, within the parameters of MTE, as possible.
>
> We have a short time to get this done before the Spring Break; however, I think this is achievable.
>
> Sound good?
>
> _____
> **Troy M. Lyons**
> Associate Administrator
> Office of Congressional & Intergovernmental Relations
> U.S. Environmental Protection Agency
> Ex. 6

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Message

From: J. Steven Hart [jshart@wms-jen.com]
Sent: 3/9/2018 4:44:46 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: A last act by Obama team

Ask for a status report from the division (ECRCO) including what process was employed. I will write up some specific questions. Unfortunately, I am busy saving the second amendment from boycotts today

---

From: Jackson, Ryan [mailto:jackson.ryan@epa.gov]
Sent: Friday, March 09, 2018 11:32 AM
To: J. Steven Hart
Subject: Re: A last act by Obama team

What can I do to help on this because me tracking down what happened on this or any other given issue in this place is a goose chase.

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

On Mar 9, 2018, at 11:27 AM, J. Steven Hart <jshart@wms-jen.com> wrote:

There was a "Letter of Concern" sent by the EPA External Civil Rights Compliance Office (ECRCO), dated January 12, 2017, expressing the EPA's "deep concern" about possible issues in a case that the North Carolina Department of Environmental Quality (NC DEQ) is defending against an Earthjustice/Water Keepers (et al) case alleging discriminatory impacts of aspects of permits renewed by the NC DEQ related to swine waste. (Obama guys used this disparate impact theory to justify regulatory actions all over the government)

Can you figure out what happened here, in the final days before the current Administration came to office? It certainly seems to me that the timing is questionable and that the process the EPA went through was skewed and did not offer all sides an opportunity to comment and be heard.

This process seems rushed and procedurally deficient in my view, given the outgoing Administration only had days before they left. I wanted to raise it with you and see if you can determine what happened at the EPA and where it is going. Also timing was pretty smart since the Governor of NC was switching from R to D.

As you know, Earthjustice /water keepers is closely tied to Corey Booker who will use their support to build his case for being nominated to oppose Trump in 2020 . NC is a key state in the D nomination process. This somewhat bizarre environmental challenge will eliminate thousands of jobs held by black and Hispanic workers in NC. So let me conclude by saying Booker's focus on this actually confuses me

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Message

From: Mary Ellen Ternes [maryellen.ternes@earthandwatergroup.com]
Sent: 3/6/2018 7:21:16 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]; Wagner, Kenneth [wagner.kenneth@epa.gov]; Willis, Sharnett [Willis.Sharnett@epa.gov]
Subject: ACOEL Invitation to EPA Regarding Introductory Discussions

Dear Ryan, Ken and Sharnett,

Greetings to you from the American College of Environmental Lawyers. As you probably know, the ACOEL is an honorary group of about 250 peer-selected top environmental lawyer fellows from 48 states (so far) with diverse backgrounds, including private law firms, former and current EPA, such as Alex Dunn and Larry Starfield, DOJ including our President John Cruden, state agencies including Martha Rudolph, Colorado, and Bob Martineau, Tennessee, as well as NGOs. See www.acoel.org.

I am following up on a discussion ACOEL President John Cruden had recently with Ryan regarding ACOEL's invitation to Ryan specifically, but also to other EPA appointees to speak to ACOEL fellows informally regarding EPA's activities. Pursuant to John's invitation, and follow up email with Dave Erickson, Chair of ACOEL's Liaison Committee, as ACOEL Secretary, I am reaching out with this email to further pursue ACOEL's invitation to EPA. As John and Dave may have described, ACOEL invites EPA's participation in a monthly series of hour to longer informal, non-recorded, introductory conference call discussions with EPA's new program leaders – with attendees limited solely to ACOEL Fellows.

We are especially delighted that Ken participated in ACOEL's 2017 annual meeting in Charleston, and is slated to participate in John Milner's event in Mississippi – sincere thanks Ken! We also reiterate our January 2018 invitation to Ken to be the guest speaker at a late Spring/early Summer regional meeting in San Francisco hosted by former College Secretary Linda Bullen and Immediate Past President Jim Bruen. **We so appreciate** this overwhelmingly positive interaction that we are hoping to host EPA introductory telephone conference call discussions described above with ACOEL generally, including Ryan and Ken, as well as Susan Bodine, Bill Wehrum, Matt Leopold and David Ross, and others.

Regarding substance, we would be grateful for discussion regarding topics identified by EPA, but also general thoughts regarding goals and objectives.

As ACOEL Secretary, I am hoping to follow up with a call to discuss opportunities and possibly timing, if that is ok with you.

Thanks for considering our request.

Sincerely,

Mary Ellen Ternes
Secretary, ACOEL

Mary Ellen Ternes, Esq.| Earth & Water Law Group
5030 North May Avenue, No. 324, Oklahoma City, OK 73112
Ex. 6
Ex. 6 www.earthandwatergroup.com

Earth & Water Law LLC
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Message

From: Jim Jones [jjones@thehcpa.org]
Sent: 3/10/2018 9:01:34 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: thanks

Ryan, thanks for the note. I am doing well. Wishing you the best. Jim

Sent from my iPhone

On Mar 10, 2018, at 12:38 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

> Jim, just wanted to say thanks for the article about PRIA. I hope you're doing well.
>
> Ryan Jackson
> Chief of Staff
> U.S. Environmental Protection Agency
> Ex. 6

Message

From: Bud Ground [bud@cgc-llc.net]
Sent: 3/8/2018 1:50:43 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Water Model Issue

The Region 6 person is Russell Nelson. He says a person from HQ is pushing the issue but I haven't been able to get that name yet.

Bud

Sent via the Samsung Galaxy S7, an AT&T 4G LTE smartphone

Message

From: Peter Wright Ex. 6
Sent: 2/22/2018 9:01:55 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: Great to Meet You

Ryan

I received a call a bit ago from Christian and his colleagues. I pulled up the November draft of the EPW form and updated the draft to reflect Ex. 6 Ex. 6 I have also been communicating with Justina it seems like multiple times a day so the the financial form is in good shape and the ethics letter can be completed.

Please let me know if you want me to resend to you and to send to Christian the other materials that I sent you late last year on Mary Gade.

Thank you again for pushing to have all of this move forward.

Regards,

Peter

Begin forwarded message:

From: "Palich, Christian" <palich.christian@epa.gov>
Subject: Great to Meet You
Date: February 22, 2018 at 2:32:37 PM EST
To: Ex. 6
Cc: "Frye, Tony (Robert)" <frye.robert@epa.gov>, "Shimmin, Kaitlyn" <shimmin.kaitlyn@epa.gov>, "Lyons, Troy" <lyons.troy@epa.gov>

Hi Peter,

Congratulations again on the nomination! Below are my phone numbers, feel free to contact me anytime and look forward to working with you in this process.

Please send along your draft questionnaire for review when you have a moment.

Have a great day,

Christian R. Palich
Deputy Associate Administrator
Office of Congressional & Intergovernmental Affairs
U.S Environmental Protection Agency
O: 202.564.4944
Ex. 6
E: Palich.Christian@epa.gov

Message

From: Ex. 6
Sent: 3/6/2018 12:24:55 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: 02-27-2018 Letter to EPA Administrator Scott Pruitt re Honorary Chair.docx
Attachments: 02-27-2018 Letter to EPA Administrator Scott Pruitt re Honorary Chair.docx.pdf

Ryan Jackson
Ex. 6

Begin forwarded message:

From: "CMitchell@foley.com" <CMitchell@foley.com>
Date: March 5, 2018 at 3:05:07 PM EST
To: Ex. 6
Ex. 6
Subject: 02-27-2018 Letter to EPA Administrator Scott Pruitt re Honorary Chair.docx

Hi, guys!

Attached is the formal invitation for Administrator Pruitt to serve as an Honorary Co-Chair of the ALEC 40th Anniversary gala in September—As well as an invitation to him to attend, along with Marlyn. I will send this to whoever needs to receive this. I wanted you to see this first. This is something that Scott wanted to do as long as we go through the proper channels, etc.

Let me know what else we need to do to make this happen. Thanks! Cleta

Cleta Mitchell
Foley & Lardner LLP
3000 K Street, N.W. | Suite 600
Washington, DC 20007-5109
Ex. 6
cmitchell@foley.com

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American Legislative Exchange Council
2900 Crystal Drive, Suite 600
Arlington, VA 22202
TEL 703.373.0933 • FAX 703.373.0927
www.alec.org

February 27, 2018

The Honorable Scott Pruitt
Administrator, Environmental Protection Agency
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Dear Administrator Pruitt:

I have the great pleasure of writing you on behalf of the American Legislative Exchange Council (ALEC) to request that you lend your name as an Honorary Chair of ALEC's *45th Anniversary Gala* on September 26, 2018 at the Trump International Hotel in Washington, DC.

Administrator Pruitt, we hope you will allow us to recognize you as an Honorary Chair of this very special event for ALEC. This is a name listing only, joining many other friends of ALEC and supporters of the ALEC mission who want to help celebrate all that ALEC has stood for and accomplished in its first 45 years. Your membership in ALEC when you served in the Oklahoma legislature is something of which ALEC is very proud and we would like to honor and showcase your historic relationship with ALEC.

45 years ago, a small group of state legislators met in Chicago to implement a vision: a nonpartisan membership association for state lawmakers who shared a common belief in limited government, free markets and federalism. Their vision and initiative resulted in the creation of a voluntary, nonpartisan membership association for people who believed that government closest to the people was fundamentally more effective.

2018 is ALEC's 45th anniversary year, a year in which to celebrate ALEC's leadership with a history of offering real solutions to the top issues facing the states. ALEC's effectiveness has demonstrated for decades that good ideas are better when shared. We will come together at a spectacular celebration at the *ALEC 45th Anniversary Gala*. Attendees will include members of the Administration, Members of Congress, state legislators, policy experts, and philanthropic and esteemed business leaders.

Never has ALEC's work and priorities been more timely, relevant, or critical. Because of your demonstrated commitment to these same principles, we hope you will accept our invitation to be an Honorary Chair and to attend the *ALEC 45th Anniversary Gala*. Thank you for your consideration.

Sincerely,

Lisa B. Nelson
Chief Executive Officer
American Legislative Exchange Council

Message

From: Jason McManus [jmcmanus@bisok.com]
Sent: 2/23/2018 5:51:16 PM
To: Bobby Stem [bobby@cgok.com]; Fine, Steven [fine.steven@epa.gov]
CC: Jacks, Susan [Jacks.Susan@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Introductions
Attachments: Grooper Value Presentation.pdf; Why Grooper.pdf

This will at least get you started with some Grooper collateral. I'll have some more info for you in the up coming days. Please feel free to contact me with any questions. Thanks again for everyone's time this morning.

http://www.grooper.com

Thank You,

Jason McManus
Vice President of Strategic Alliances
BIS
Ex. 6
jmcmanus@bisok.com

-----Original Message-----
From: Bobby Stem [mailto:bobby@cgok.com]
Sent: Friday, February 23, 2018 11:09 AM
To: Fine, Steven <fine.steven@epa.gov>; Jason McManus <jmcmanus@bisok.com>
Cc: Jacks, Susan <Jacks.Susan@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Re: Introductions

Steve- THANK YOU.

Jason- this is Steve' s email. Can we send him some info today that he can distribute to his team?

Ryan, keeping you in the loop sir. We had a nice call today with Dr. Fine and will be forwarding some information soon.

I do hope everyone has a great Friday!

Bobby Stem

BIS has built a solid reputation as a full-service information technology provider and integrator of high quality document and data management systems. Since our founding in 1986, we have continually kept pace with the ever-changing landscape. Our solutions portfolio is one of the most diverse and trusted in the industry. Headquartered in Edmond, Oklahoma, we offer the best technologies in the market today. The BIS team will design, develop, and install a solution that best fits your business. You name IT, we can do IT.

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- Text Content Conversion
- Classification & Separation
- Data Extraction
- Natural Language Processing
- Customization & Reporting

Grooper™

WHY?

Grooper vs Legacy Capture

	Legacy Capture	Grooper
Supported File Types	Image only.	Hundreds of file formats.
Connectivity	Export-only connectivity to ECM.	Bi-directional interchange with ECM, mail server, and file storage platforms.
Image Processing	32-bit single threaded. Requires VRS. Mostly binary image cleanup with limited color processing.	64-bit multithreaded with AVX/GPU acceleration. Powerful modern color processing and computer vision capabilities.
Content Modeling	Flat list of document types. No inheritance.	Hierarchy of content types with inheritance.
Data Modeling	Flat list of fields. Designed to capture a handful of index fields.	Hierarchy capable of representing data on highly complex documents.
Data Extraction	Based on zonal OCR technology.	Based on pattern recognition, fuzzy matching, NLP, and computer vision.
Data Validation	Requires scripting in all cases.	Excel-style formulas. Scripting used rarely.
Parallel Processing	Difficult manual process to install and manage a handful of threads.	Install and manage hundreds of threads easily.
Customization	Patchwork of custom scripting languages.	100% Visual Studio .NET.

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- No expensive add-on modules
- No separator sheets
- No document templates without add-on modules, separator sheets, or document templates

Grooper™

5-Phase Batch Processing Approach

PHASES

ACQUIRE

Scan or import documents into Grooper.

ACTIVITIES

- Scan
- Link Action
- Launch Process
- Execute Command

CONDITION

Preprocess documents by normalizing formats, cleaning images and obtaining text.

- Image Processing
- Full Text OCR
- PDF Text Extract
- Separation
- Content Action
- Correct OCR
- Deduplicate
- Image Review
- Render Document
- Spawn Batch
- Review
- Link Action
- Execute Command

ORGANIZE

Intelligently restructure document collections into a preferred taxonomy.

- Classification Review
- Classify Folders
- Classify Pages
- Spawn Batch
- Review
- Launch Process
- Execute Command

COLLECT

Recognize and extract meaningful data from a multitude of sources.

- Data Review
- Train Lexicon
- Extraction
- Checkify
- Correct OCR
- Review
- Launch Process
- Execute Command

DELIVER

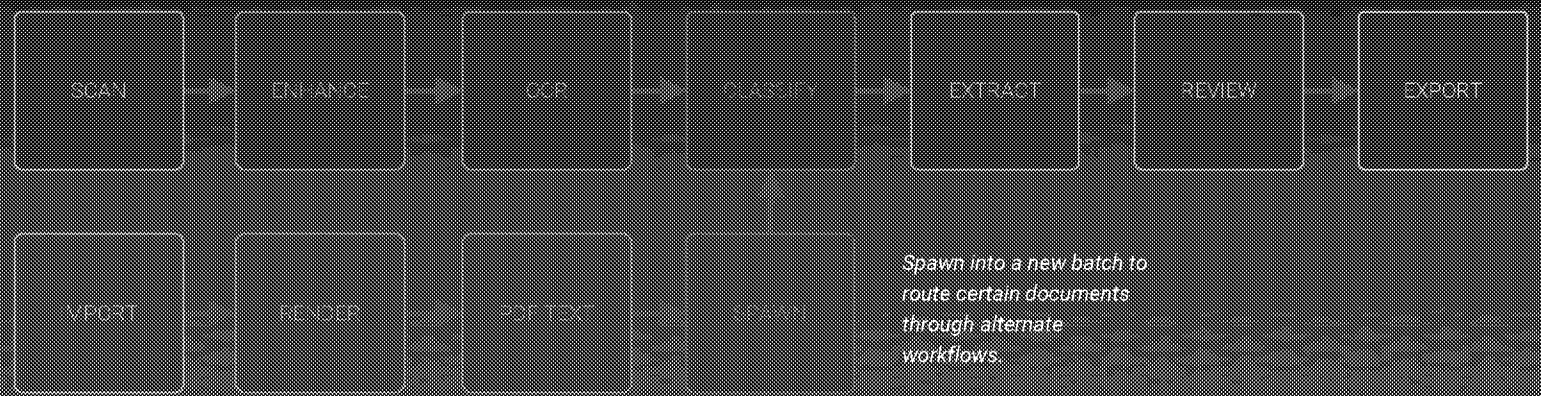
Export documents and the data identified within to a predefined destination.

- Database Export
- Document Export
- Redaction
- Spawn Batch
- Dispose Batch
- CMIS Batch Transfer
- X9.37 Merge
- Link Action
- Launch Process
- Execute Command

Grooper™

Unified Batch Processing

Grooper processes content in Batches. *Batches* progress through a workflow called a *Batch Process*, which defines a sequence of *Activities*.

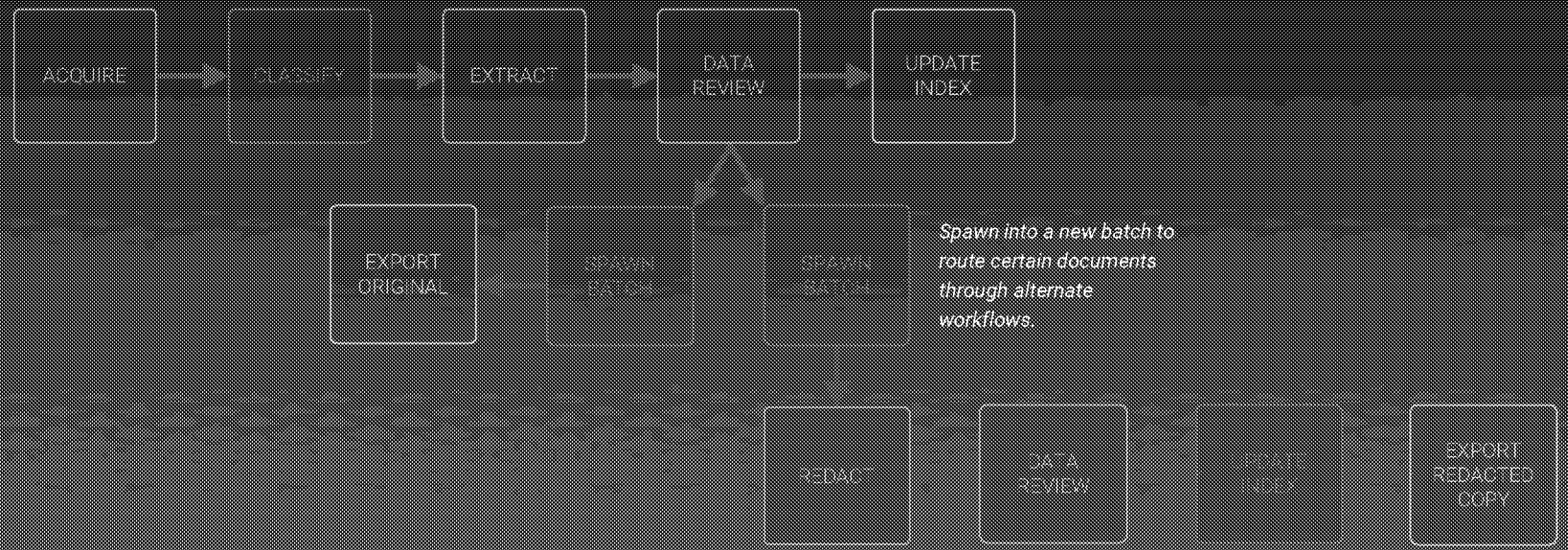


Spawn into a new batch to route certain documents through alternate workflows.

Grooper™

Unified Batch Processing

Grooper processes content in Batches. *Batches* progress through a workflow called a *Batch Process*, which defines a sequence of *Activities*.

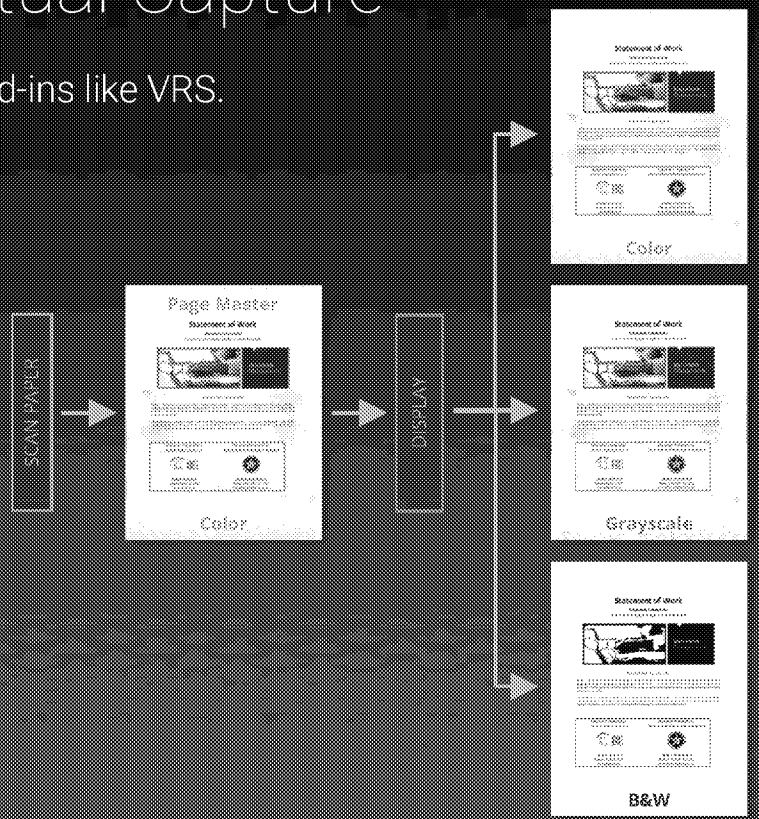


Grooper™

ScanOnce™ - True Virtual Capture

We don't believe in third-party add-ins like VRS.

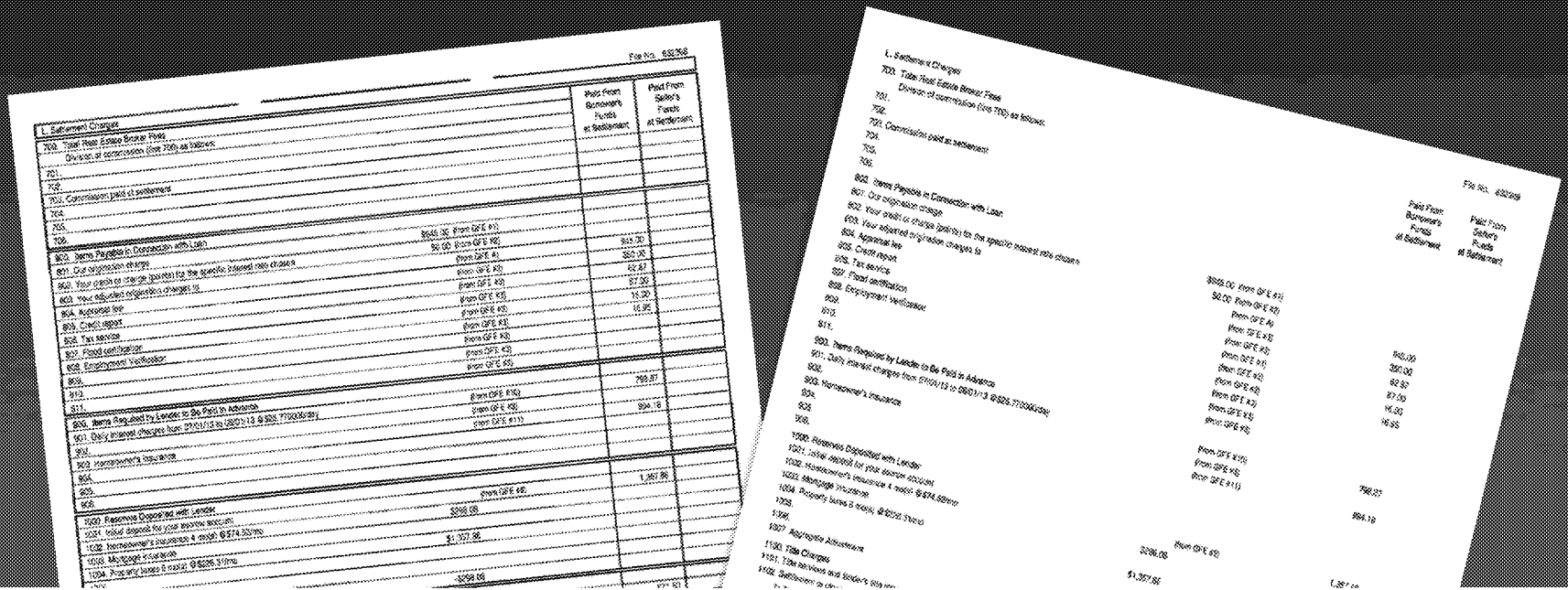
- Works with any ISIS/TWAIN scanner
- Images are captured in full color, but displayed as color, grayscale, or B&W based on configuration.
- Color mode, brightness, contrast, threshold, crop, and deskew can be adjusted by users at any point in the process.
- At export, images can be exported in multiple formats as needed.



Grooper

Optimize Images for OCR

Grooper OCR removes everything that isn't text to get the best possible OCR results from every image.



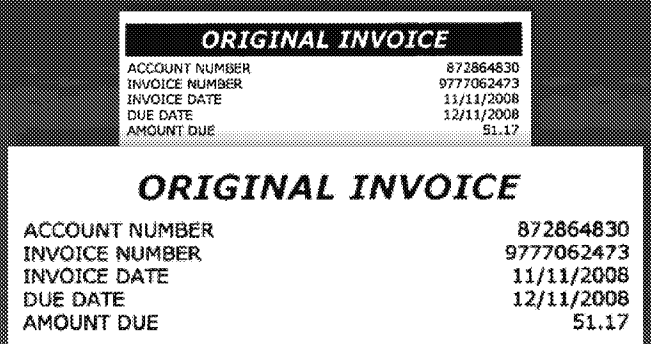
ED_002480_00089006-00009

Grooper™

Optimize Images for OCR

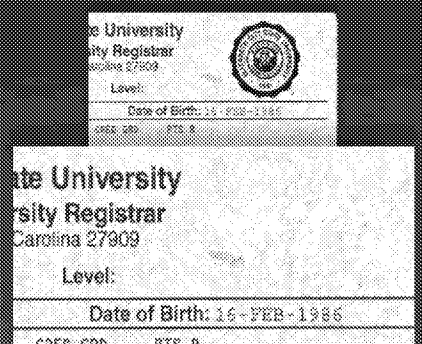
Grooper OCR removes everything that isn't text to get the best possible OCR results from every image.

Negative space
Edge Dropout



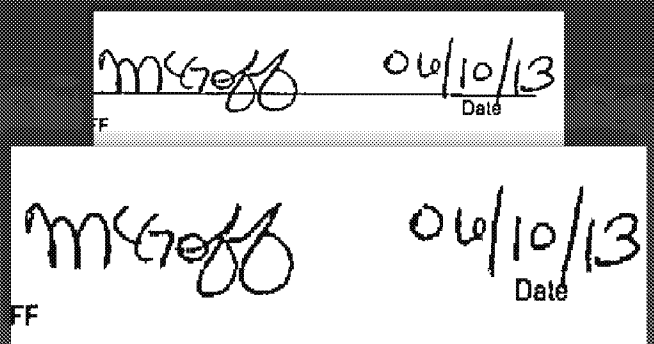
ENHANCED

Non-destructive
Shape Removal



ENHANCED

Pixel-perfect
Line Removal



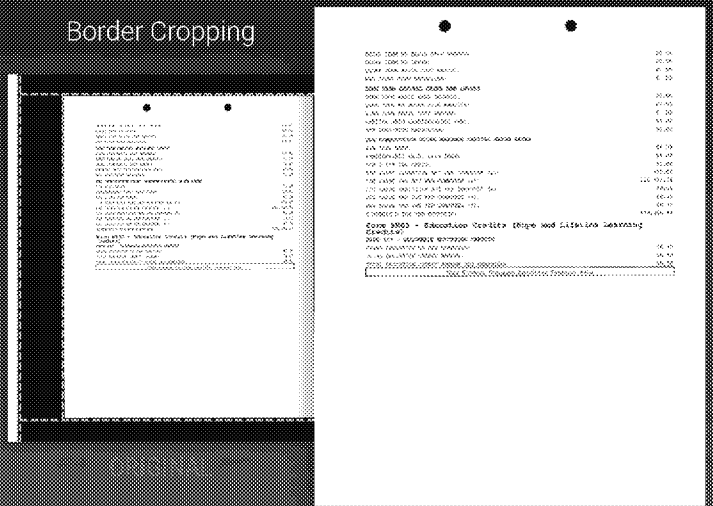
ENHANCED

Grooper™

Optimize Images for OCR

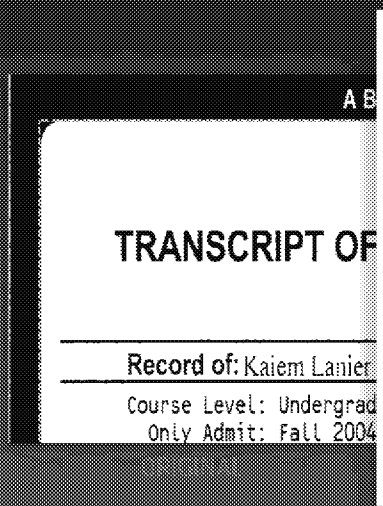
Grooper OCR removes everything that isn't text to get the best possible OCR results from every image.

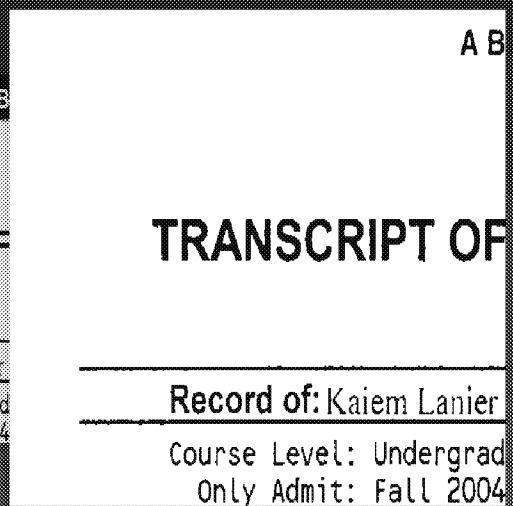
Border Cropping



ENHANCED

Black Border Inversion



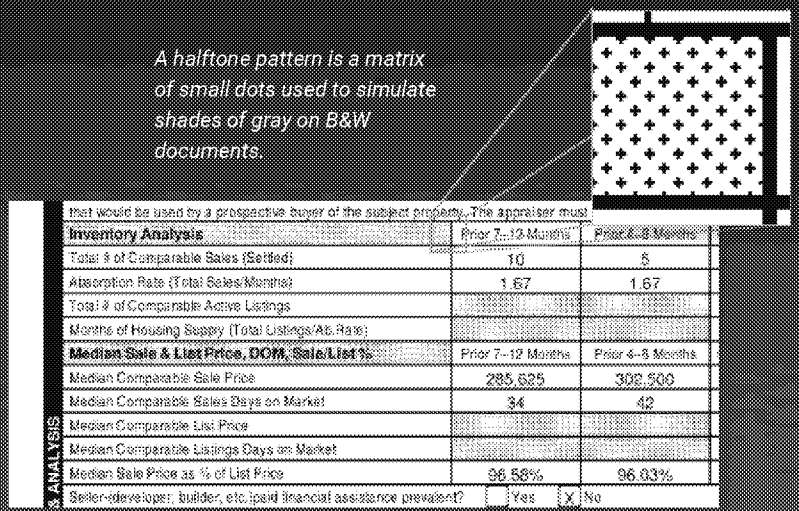


ENHANCED

Optimize Images for OCR

Grooper OCR removes everything that isn't text to get the best possible OCR results from every image.

A halftone pattern is a matrix of small dots used to simulate shades of gray on B&W documents.



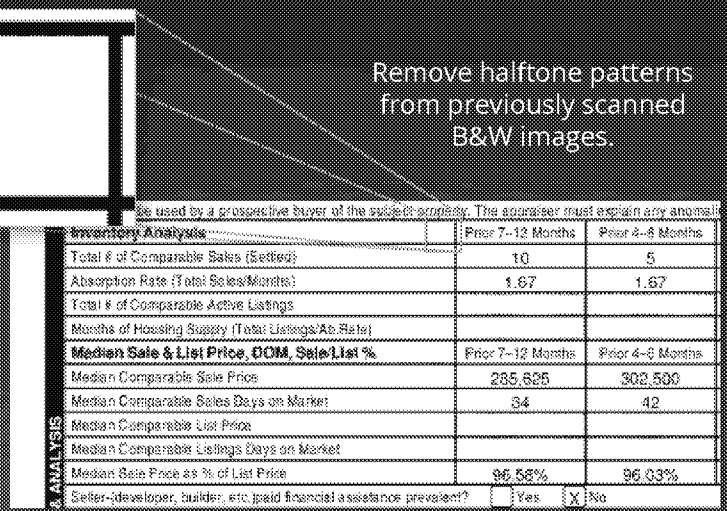
that would be used by a prospective buyer of the subject property. The appraiser must

Inventory Analysis	Prior 7-12 Months	Prior 4-6 Months
Total # of Comparable Sales (Settled)	10	5
Absorption Rate (Total Sales/Months)	1.67	1.67
Total # of Comparable Active Listings		
Months of Housing Supply (Total Listings/Ab.Rate)		
Median Sale & List Price, DOM, Sale/List %	Prior 7-12 Months	Prior 4-6 Months
Median Comparable Sale Price	285,625	302,500
Median Comparable Sales Days on Market	34	42
Median Comparable List Price		
Median Comparable Listings Days on Market		
Median Sale Price as % of List Price	96.58%	96.03%

Seller-(developer, builder, etc.)paid financial assistance prevalent? ☐ Yes ☒ No

ORIGINAL

Remove halftone patterns from previously scanned B&W images.



be used by a prospective buyer of the subject property. The appraiser must explain any anomali

Inventory Analysis	Prior 7-12 Months	Prior 4-6 Months
Total # of Comparable Sales (Settled)	10	5
Absorption Rate (Total Sales/Months)	1.67	1.67
Total # of Comparable Active Listings		
Months of Housing Supply (Total Listings/Ab.Rate)		
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Median Comparable Listings Days on Market		
Median Sale Price as % of List Price	96.58%	96.03%

Seller-(developer, builder, etc.)paid financial assistance prevalent? ☐ Yes ☒ No

ENHANCED

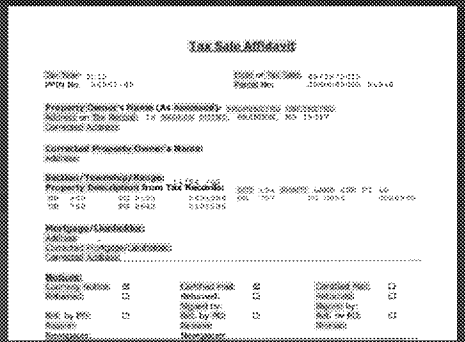
Grooper™

Document Classification

Manually selecting doc types is a thing of the past. Use ESP to find and make decisions based on the distinguishing features of each page.

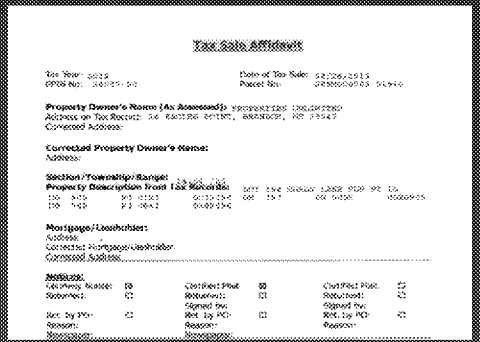
Lexical

NLP examines the language of the complete document to understand its meaning and determine what it is.



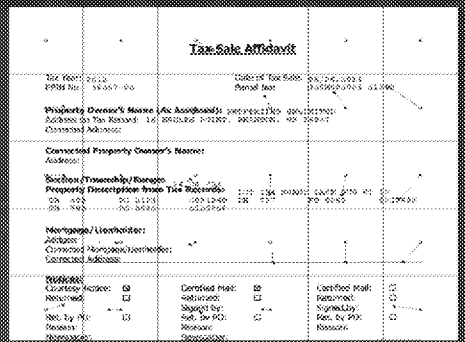
Rules-Based

Finds unique key words or phrases that positively identify a document, like a Title or Section Heading.



Visual

Computer vision identifies structured forms based on what they look like without having to read from OCR.

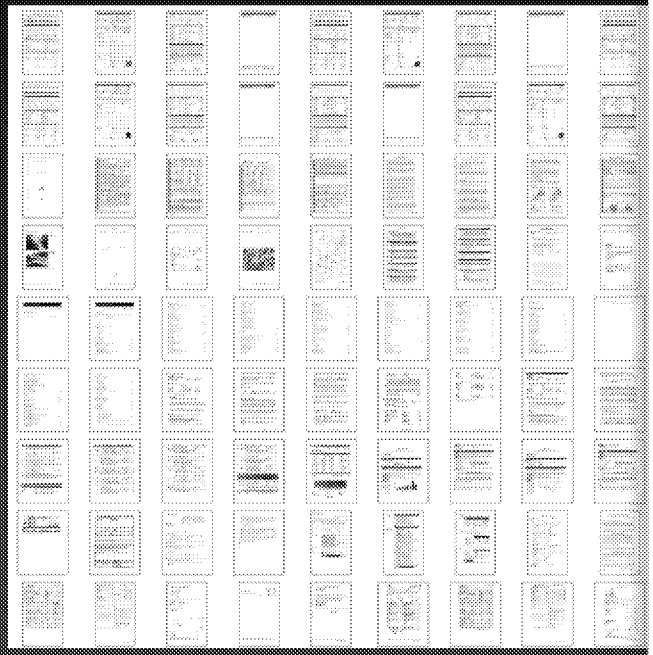


Grooper

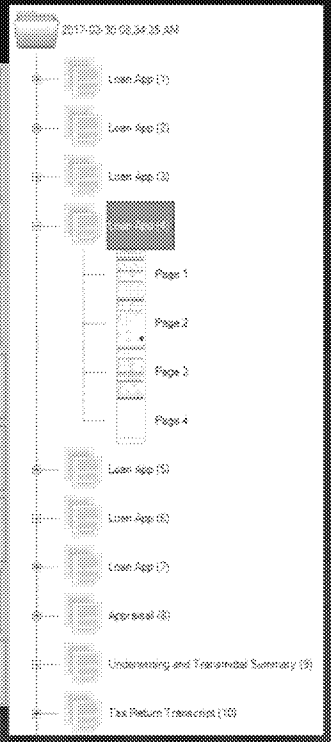
Kill Separator Sheets with ESP

- Perform automated separation and classification of loose pages in a batch.
- Handles complex document separation no separator sheets.
- Works on virtually any collection of documents, even with dozens or hundreds of doc types.

BEFORE ESP

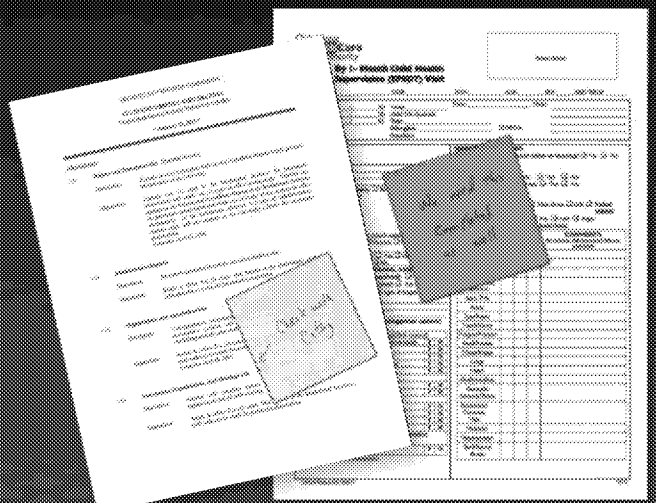


AFTER ESP

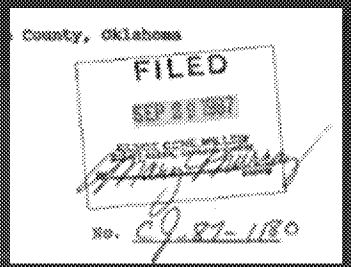


Grooper™

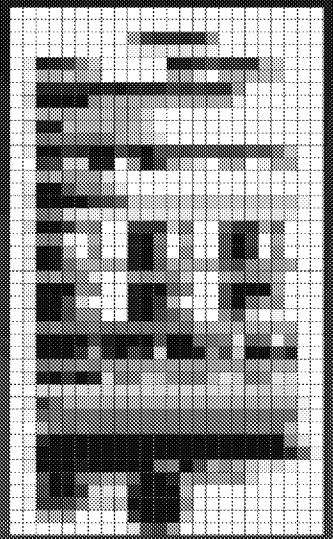
Computer Vision

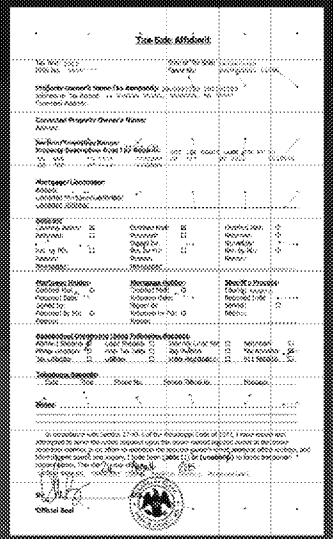


Detect sticky notes at scan time – avoid costly rescans or permanent data loss.



Separate and classify based on the presence of stamps, seals, or logos.





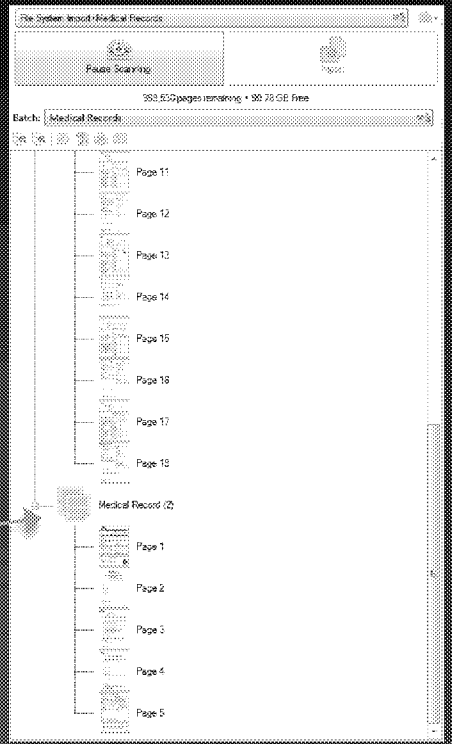
Separate and classify in real time based on visual appearance.

Grooper™

Scan-Time Classification & Separation

- Using visual classification, Grooper can separate & classify documents in real time during scanning.
- Works on structured documents only.
- Eliminates the need for separator sheets in cases where each file starts with a standard cover page.

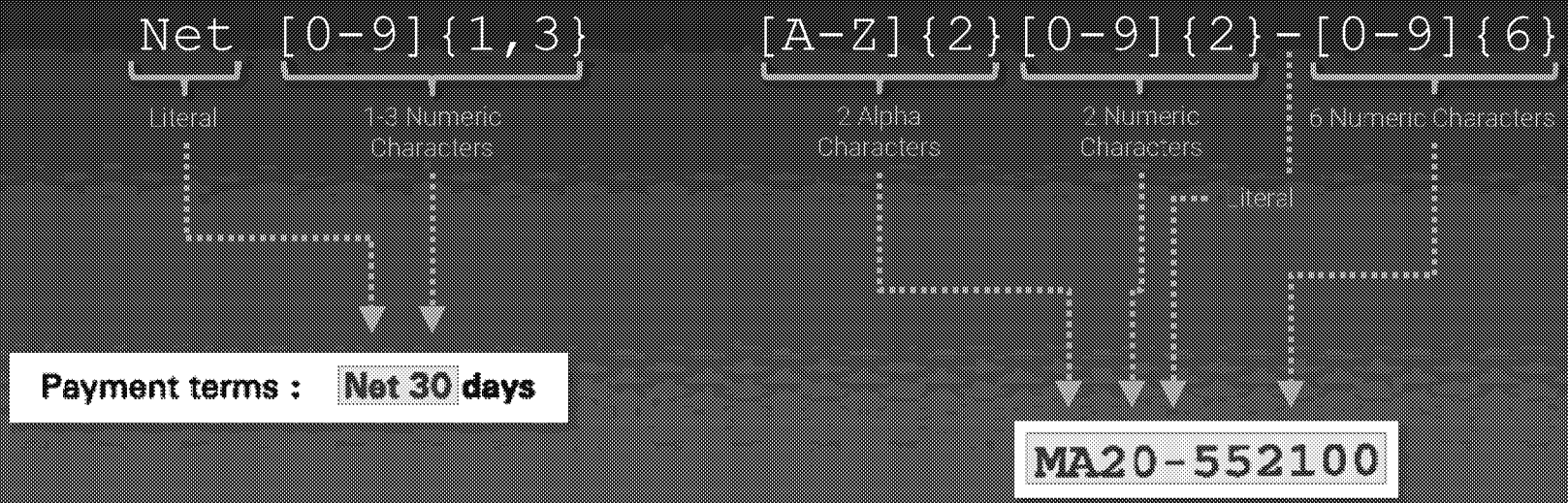
Real-time automated classification & separation during scan



Grooper™

No more zones. No more templates.

Find key information on unstructured documents using simple Regular Expression patterns.



Grooper™

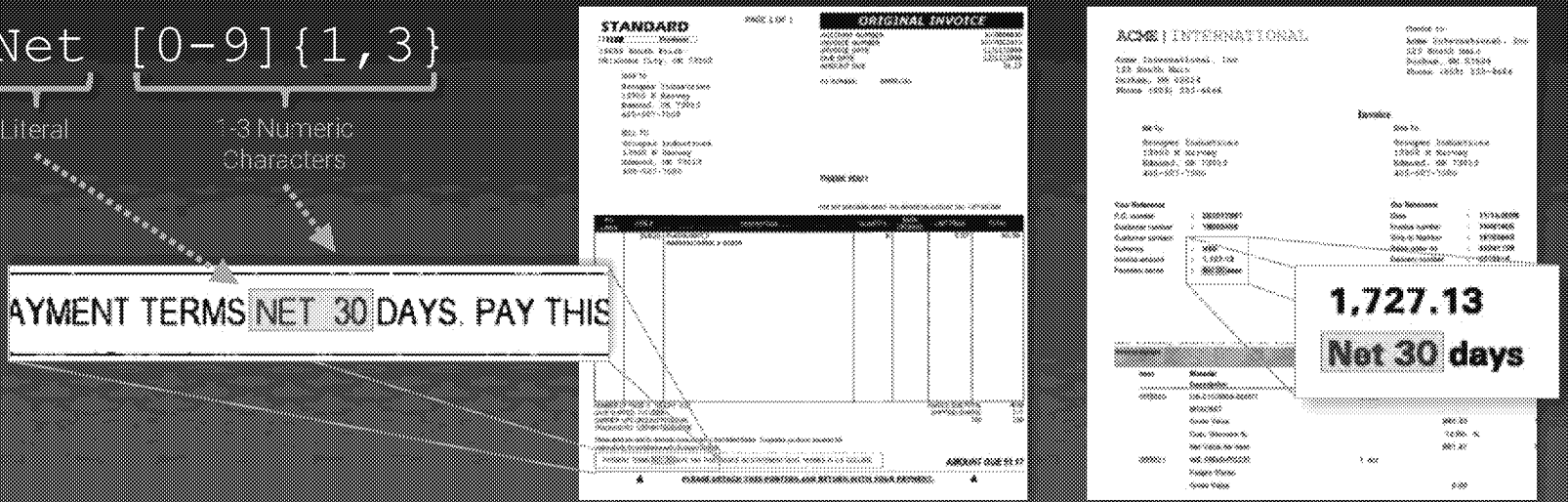
No more zones. No more templates.

Find key information anywhere on unstructured documents using simple Regular Expression patterns.

```
Net [0-9]{1,3}
```

Literal

1-3 Numeric Characters



Capture Data from Hierarchical Structures

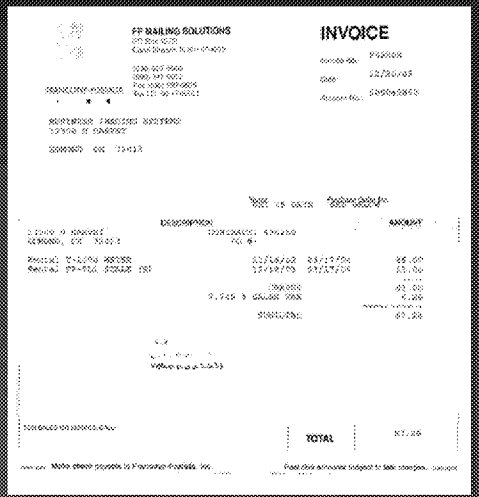
1. Obtain better OCR
2. Enhance processing performance
3. Model complex structures on documents
4. Support large document taxonomies

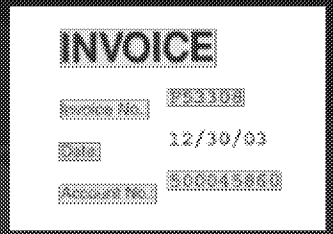
Grooper™

Synthesized OCR is Better OCR

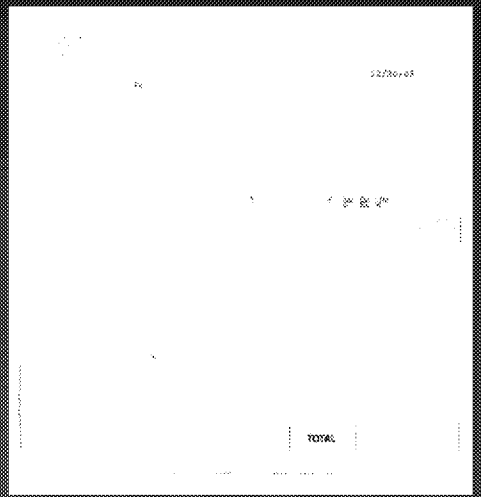
- Performs OCR, keeps characters that were confidently recognized, then performs an additional pass of OCR on the portions of the page where text was not confidently recognized the first time.
- Isolates characters which were originally missed, allowing them to be recognized more easily on the next pass.

Iteration 1





Iteration 2

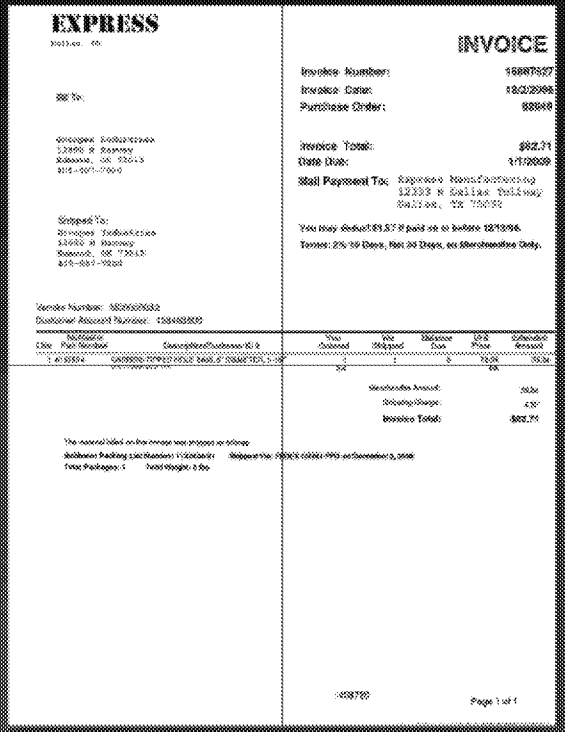


Grooper™

Cellular OCR

- Perfect for documents with multi-column layouts.
- Performs OCR on each cell independently.
- Prevents logos, images, and offset text lines from impacting OCR text collection on another portion of the image

2 x 2 Cell Validation



OCR engines are confused by offset text lines

	Invoice Number:	**16862865**
Bill To:	**Invoice Date:**	**12/2/2008**
	Purchase Order:	**710015038**

OCR Results: Cell Validation

invoice Number:	16887627
Inv i e ate:	1&W2008
Purchase Order:	62049

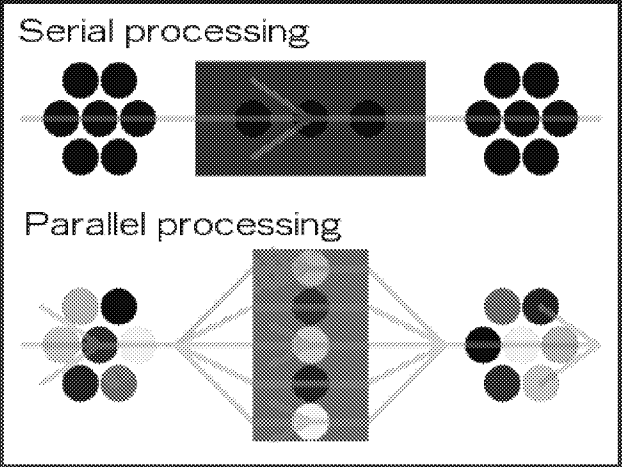
OCR Results with Cell Validation

Invoice Number:	16887627
Invoice Date:	12/2/2008
Purchase Order:	62049

Modern Computing

Maximize your investment in server architecture through parallel processing.

- Reduce costs of server architecture
- Parallel Processing – The act of attending to and processing all items simultaneously.
- Serial Processing – The act of attending to and processing one item at a time.



Grooper Unattended Activities

Grooper™

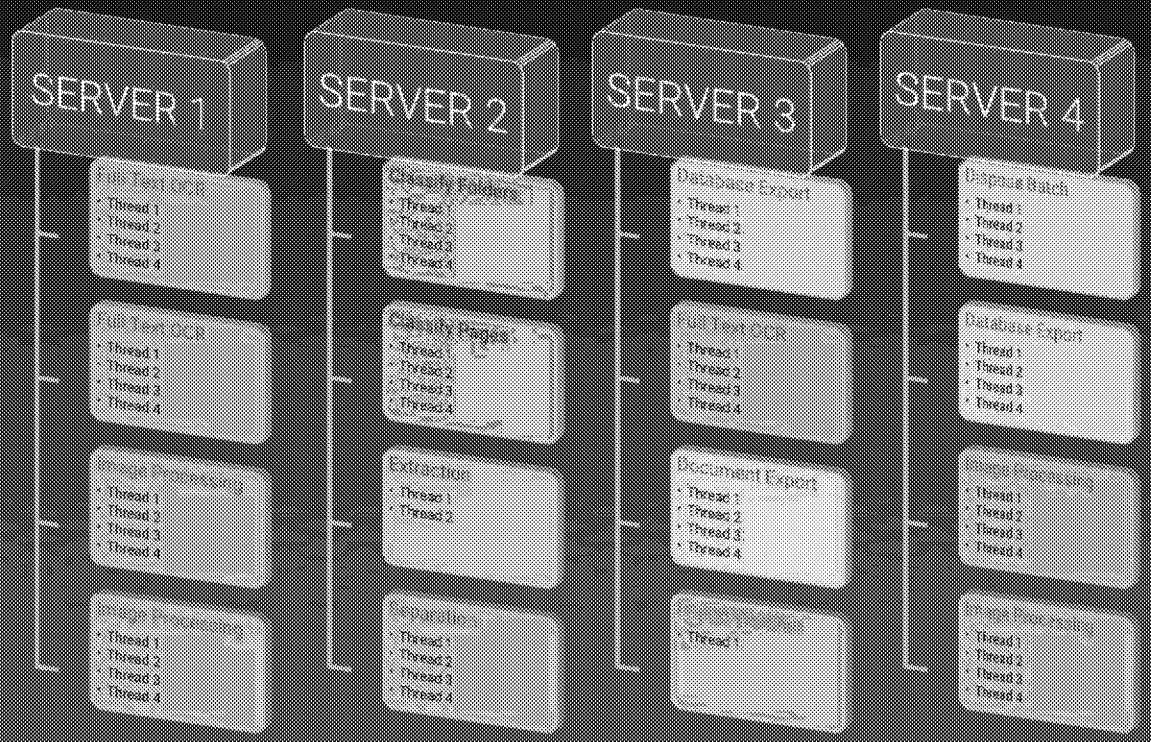
Scalable Parallel Processing

Grooper's shared computing infrastructure makes parallel processing on a large scale easy.

Leverage hundreds of processing cores spread across multiple servers and workstations.

Perform in minutes what takes hours or even days using traditional processing methods.

Depiction of a Thread Pool Containing 59 Worker Threads



Grooper™

The Power of Parallel Processing

The performance benefits of parallel processing are significant, particularly for low latency, CPU-intensive activities. Consider the job below, executed on a 56-core thread pool. CPU-intensive activities experience a massive speed increase – up to 50X!

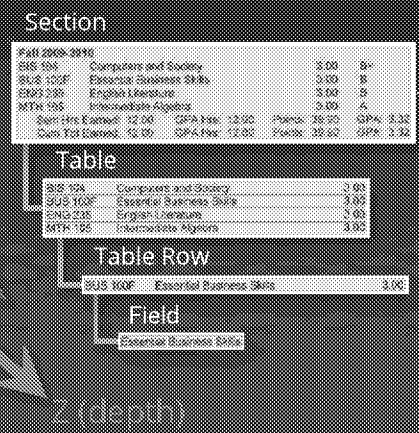
Step	Description	Serial	Parallel	Factor
Import	Loaded 46K TIF & PDF documents from CMIS.	13 hours	3.2 hours	4X
Split	Split documents into 426K pages.	11.7 hours	27 minutes	26X
Enhance	Applied image cleanup to 426K pages.	4.2 days	2.0 hours	50X
OCR	Performed full text OCR on 426K pages.	1.9 days	1.3 hours	35X
Extract	Extracted additional fields from 46K documents.	3.7 hours	9.3 minutes	25X
Merge	Merged 426K pages back into multipage files.	8.5 hours	24 minutes	21X
Export	Exported 46K documents to CMIS.	18 hours	3.5 hours	5X

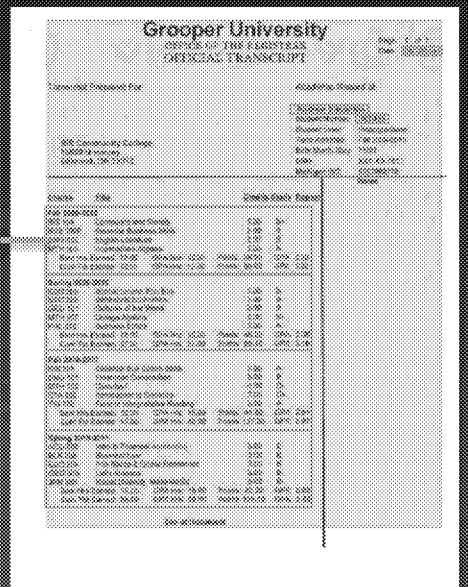
Grooper™

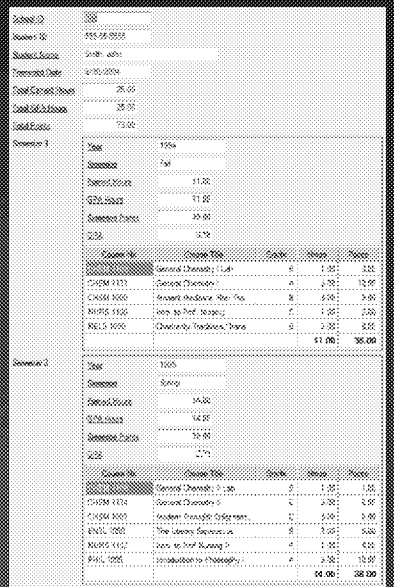
Hierarchical Data Modeling

Many structured documents consist of sections, tables, and fields. Grooper can understand and mirror the structure and flow of a document to collect even the most complex information.

- Sections that may repeat throughout the document
- Tables with any number of rows
- Fields that exist only once within the document or only within a specific section of the document







Grooper™

Data Capture Examples

Tabular Row Extraction

STANDARD Products

PAGE 1 OF 1

19658 South Frisk
Oklahoma City, OK 73102

SHIP TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

BILL TO
Grooper Industries
13900 N Harvey
Edmond, OK 73013
405-507-7000

ORIGINAL INVOICE

ACCOUNT NUMBER	865690846
INVOICE NUMBER	9787489237
INVOICE DATE	11/24/2008
DUE DATE	12/24/2008
AMOUNT DUE	230.35

PO NUMBER: 81883

THANK YOU !

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	BACK ORDERED	UNIT PRICE	TOTAL
000002	2V924	FLASHLIGHT,AA,BLACK MANUFACTURER # M2A016	5		12.44	62.20
000003	1ARX2	SCRAPER,WALL,3 IN MANUFACTURER # 28-139	5		5.44	27.20
000004	3WE60	EYEWEAR,SAFETY,CLEAR MANUFACTURER # HD400	20		4.57	91.40
000005	3LC92	RECIP SAW BLADE,12 L,1 W,5-8 TPI,PK 5 MANUFACTURER # 48-00-5027	1		15.17	15.17
000006	1EB37	PLASTIC PAIL, ROUND, CAPACITY 5.4 GAL MANUFACTURER # PAIL-54-PWS	6		5.73	34.38

NUMBER OF PKGS. 0 WEIGHT: 18.62
DATE SHIPPED: 11/24/2008
CARRIER: UPS GROUND

INVOICE SUB TOTAL 230.35

These items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with US export controls.

PAYMENT TERMS NET 30 DAYS. PAY THIS INVOICE NO STATEMENT SENT. PAYABLE IN U.S. DOLLARS.

AMOUNT DUE 230.35

▲ **PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT.** ▲

Enid Parts

PH: (405) 555-1212
FAX: (405) 444-2121

INVOICE

INVOICE DATE	INVOICE #	PAGE
11-13-08	CSI/10075652	1

REMIT TO:
Enid Parts
586 West Industrial Road
Enid, OK 73703

SOLD TO: Grooper Industries
13900 N Harvey
Edmond, OK 73013

SHIP TO: Grooper Industries
13900 N Harvey
Edmond, OK 73013

********** **********

ORDER NUMBER	ORDER DATE	CUSTOMER NUMBER	SALES PERSON	PURCHASE ORDER NUMBER	SHIP VIA	SHIP DATE	TERMS
100049713	11-06-08	CUS001605	099325	303017321	FXG	11-10-08	Net 30

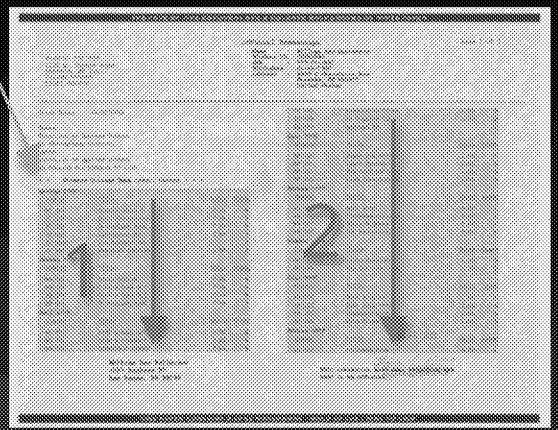
ITEM NUMBER / QUANTITY ORDERED	QUANTITY SHIPPED	STK UNIT	ITEM DESCRIPTION / PRICE UNIT	DISCOUNT	EXTENDED PRICE
	Packing Slip No.		100091388		
7799.2551.4 12.0000	12.0000	B ea	Stud, 1/4 Turn Ball Style RA 2.7300 Gross		32.760
7799.1781 1.0000	12.0000	A ea	RETAINER STUD,1/4 TURN 0.1400 Gross		1.680
020-0027 1.0000	1.0000	ea	Shipping and Handling 20.0000 Gross		20.000
	Under Discount Amount		-7.580		

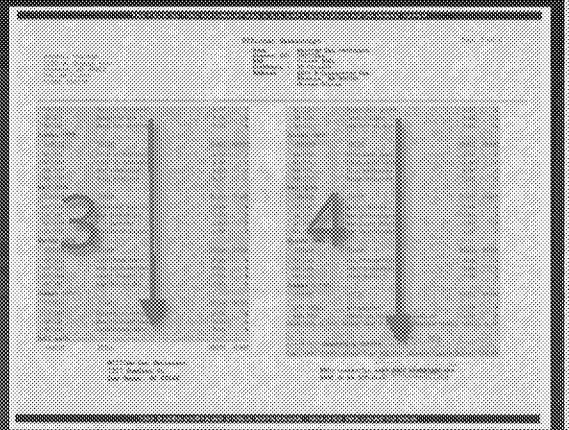
SALES AMOUNT DEPOSIT AMOUNT	46.86
FREIGHT	0.00
SALES TAX TOTAL	0.00
BALANCE DUE	46.86

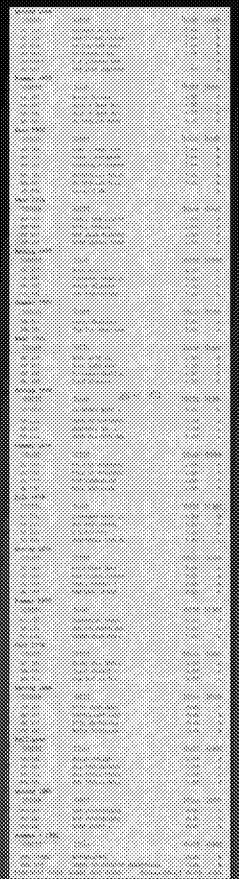
Grooper

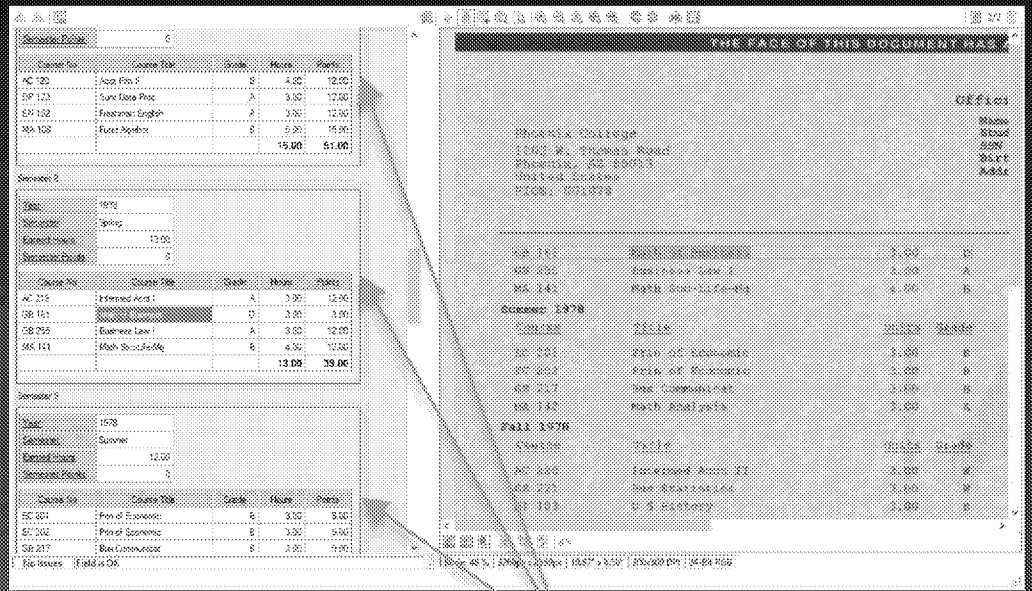
Data Capture Examples

Flow Detection









Document Structure Detection

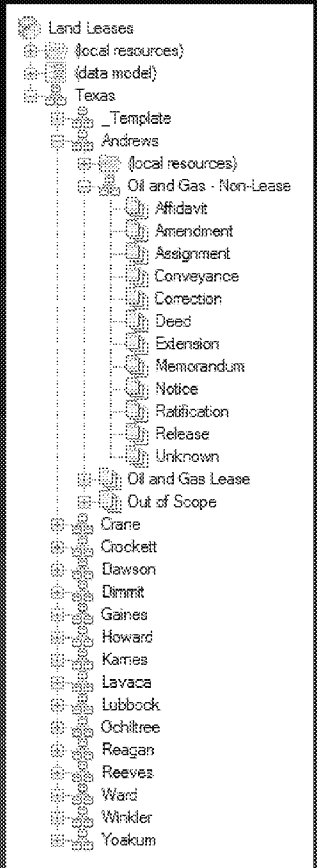
Grooper™

Hierarchical Content Modeling

Similar to ECM platforms, Grooper uses a hierarchical content model consisting of categories and document types with support for inheritance.

- Efficiently manage large numbers of document types.
- Model the complex taxonomy of real-world documents.
- Create elegant, re-usable, interchangeable components.
- Leverage inheritance to improve design elegance.
- Capitalize on the similarities of related document types.
- Avoid costly, inefficient duplication.
- Map more effectively to ECM content types.

Contrast to the flat list of document types in legacy capture.



Unified Electronic File Processing

1. Import files from digital repositories
2. Move data bi-directionally between systems
3. Reliably process large volumes of data
4. Handle non-image documents
5. Obtain perfect text from electronic files without OCR

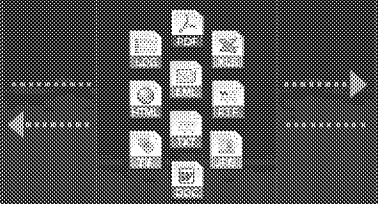
Two-Way Interaction with Third-Party Systems

Freely move documents out of, into, and between different information repositories, including: File Systems, Mail Servers, FTP Sites, and CMIS-compliant ECM systems.

File Systems
Windows UNC, FTP, FTPS, SFTP

ECM Repositories
40+ ECM Platforms supporting CMIS.

Mail Servers
Exchange, Domino, plus all other IMAP mail platforms.



Bi-directional interchange of content & metadata

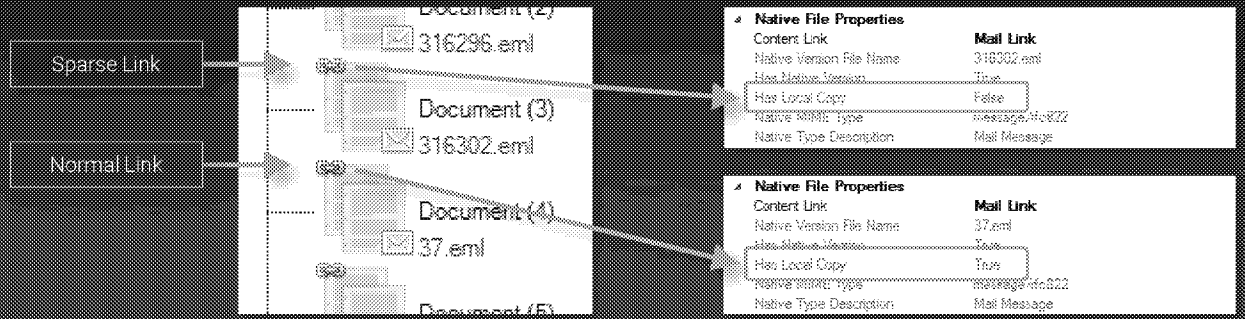
Normalize
Merge / Split
Separate
Enhance
Extract Text / OCR
Classify
Extract Data
Redact Information
Review
Convert
Export / Archive / Migrate
Update
Deduplicate
Scan

- Reorganize and recondition archived documents to uncover valuable dark data
- Perform email archival to reduce pressure on top-tier storage
- Migrate data from one ECM system to another and capture more data along the way
- Build custom import/export providers to interact with non-CMIS compliant repositories
- Automatically create and train classification models from previously classified documents

Grooper™

Sparse Document Import

Rapidly process massive amounts of digital assets during a migration or import without the hassles of file copy errors, access violations, and other unmanaged I/O exceptions.

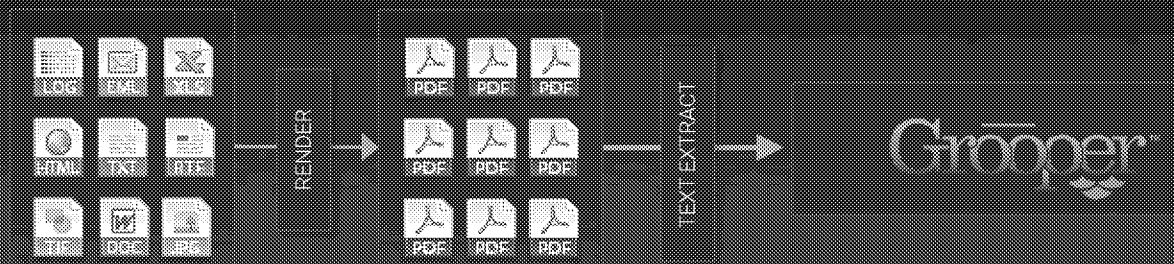


- With sparse imports, each Grooper document starts its life as only a link back to the original file rather than a copy of the file itself.
- Then as the batch moves through the steps in a process, the content is processed "in-place" from the original location.
- This enables use of parallel processing to perform high-speed content loading.
- Provides monitored and (if needed) throttled data requests.
- Avoids unnecessarily duplicating files and increasing your storage footprint during the project.

Grooper™

Normalize and Preserve Electronic Documents

Rendering generates a PDF version of each document, providing a standards-based representation of document layout and content. Supports all major formats of electronic document.



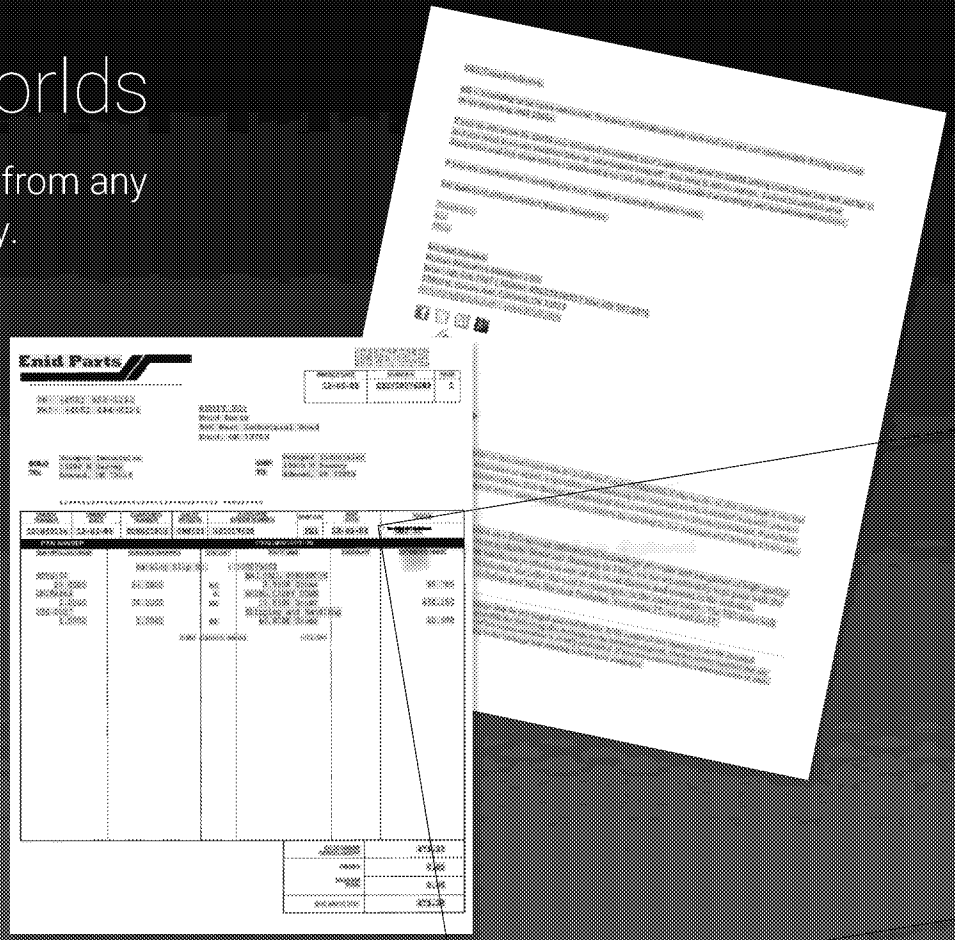
- 100% accurate rendering, as the document would appear in the native application.
- Allows users without the native software application to view and leverage valuable content.
- Preservation in PDF format ensures the long-term usability of digital documents.
- Full access to the native text content. No need for error-prone OCR!

Grooper

The Best of Both Worlds

Collect the most accurate text possible from any document using a single activity.

- Images
- Electronically created PDFs
- PDFs containing a combination of images and text (even within the same page).



Unlike Full Text OCR, PDF Text Extract is 100% accurate if the source of the text is electronic.

Natural Language Processing

1. Arrays
2. Inheritance/Overrides
3. Fuzzy Regular Expression/Fuzzy List
4. NLP Flow-Based Language Analysis
5. NLP Paragraph Detection & Analysis

Grooper™

Arrays

Easily identify and extract 2-dimensional data structures, such as multipart data elements or tabular data.

MULTIPART DATA ELEMENTS

After Recording Return To:
METROPOLITAN BANK
3500 LAKELAND DRIVE SUITE 501
FLOWOOD, MISSISSIPPI 39232
Loan Number: 3201603002

306 SPEERS VALLEY CIR, BRANDON, MISSISSIPPI 39042-8002
(Property Address)

Grantee: METROPOLITAN BANK, 3500 LAKELAND DRIVE SUITE 501, FLOWOOD, MISSISSIPPI 39232 (601)939-9449

Tabular Data

ITEM NUMBER			ITEM DESCRIPTION		
QUANTITY ORDERED	QUANTITY SHIPPED	STK UNIT	PRICE UNIT	DISCOUNT	EXTENDED PRICE
	Packing Slip No.	:	100093070		
7710.1262.3		D	Block, Mtg., Hot Head		
1.0000	1.0000	ea	238.6800 Gross		238.680
020-0027			Shipping and Handling		
1.0000	1.0000	ea	60.0000 Gross		60.000

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	BACK ORDERED	UNIT PRICE	TOTAL
000001	2A504	FLAT FILE,10 IN LENGTH CUST PART # 162852 MANUFACTURER # 3665	3		7.16	21.48
000002	4DY88	EAR MUFF,DIELECTRIC CUST PART # 163065 MANUFACTURER # 1010970	3		14.70	29.40
000003	2LD74	MULTI PURPOSE TOOL HOLDER,4 POCKETS CUST PART # 163978 MANUFACTURER # 1104	3		3.71	11.13
000004	3W799	BUTANE REFILL 5 1/8 OZ CUST PART # 168694 MANUFACTURER # 51773	2		3.15	6.30
000005	1CL82	BALL VALVE,2 PC,1/2 IN NPT,BRONZE CUST PART # 163536 MANUFACTURER # 77C10327	2		7.50	15.00
000006	3JN78	FLAG,US,5X8 FT CUST PART # 168887 MANUFACTURER # RKUS58NG	3		37.95	113.85
000007	5MU15	BALL VALVE,1 IN NPT,TWO PIECE,BRONZE CUST PART # 163867 MANUFACTURER # 77C10501	2		12.69	25.38

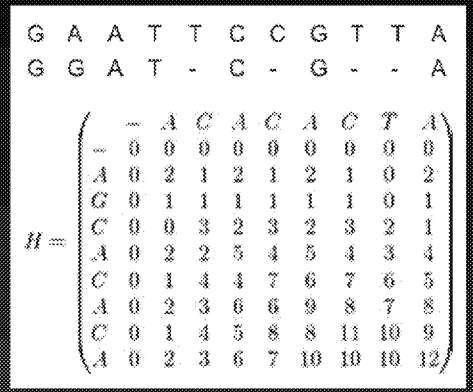
NUMBER OF PKGS. 0 WEIGHT 13.55 INVOICE SUB TOTAL 222.54

Grooper™

Bad OCR? No problem.

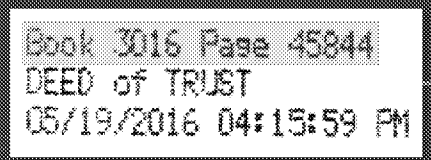
- Fuzzy data extraction *EASILY* finds results even when the source document is riddled with OCR mistakes.
- Outputs clean, correctly spelled and formatted data.
- Uses simple RegEx patterns or lists of values to be found.

Algorithms inspired by DNA strand alignment



Many data capture automation projects fail to achieve stated goals due to the challenge of dealing with OCR imperfection.

Source Image

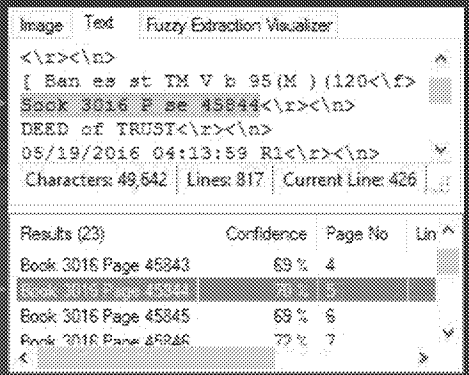


Pattern to Extract

```
1 Book \d{4} Page \d{5}
```

Fuzzy extraction finds and corrects the data value

Imperfect Data Element



Grooper

Capture information from sentence flows

Grooper can read documents in paragraphs and sentences just like a human. This allows it to understand and accurately recommend correct values from the body of documents by considering the surrounding flow of language.

For example, this could be used to find the maturity date on deed of trust documents.

Can determine if a certain clause or provision exists in a contract.

Simple train-by-example configuration process.

a principal sum of money evidenced by a note, consumer loan agreement, or similar writing dated the same date as this Security instrument (the "Note"), which provides for periodic payments ("Periodic Payments"), with the full debt, if not paid earlier, due on November 25, 2016. The note, consumer loan agreement, or similar writing, and any future debt or obligation of Borrower to Lender as set forth in the Section titled **Secured Indebtedness; Payment of Principal and Interest; Late Charges and Other Loan Charges** below (the "Secured

that Borrower owes Lender **One Hundred Forty Four Thousand Five Hundred and no/100**

Dollars (U.S. **$144,500.00**)

plus interest. Borrower has promised to pay this debt in regular Periodic Payments and to pay the debt in full not later than June 01, 2031 .

(F) "Property" means the property that is described below under the heading "Transfer of Rights in the Property."

Note. The word "Note" means the promissory note dated May 6, 2016, **in the original principal amount of $338,773.34** from Borrower to Lender, together with all renewals of, extensions of, modifications of, refinancings of, consolidations of, and substitutions for the promissory note or agreement. The maturity date of the Note is May 15, 2021.

Personal Property. The words "Personal Property" mean all equipment, fixtures, and other articles of personal property now or hereafter owned by Grantor, and now or hereafter attached or affixed

Note states that Borrower owes Lender

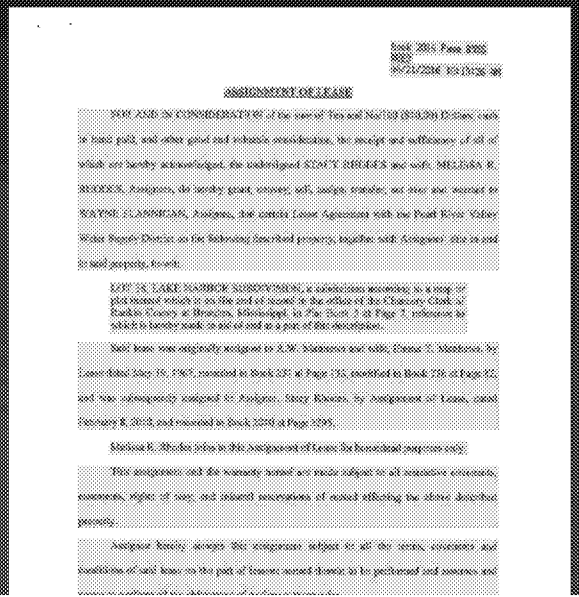
One Hundred Two Thousand Sixty Five Dollars

Dollars (U.S. $102,065.00) plus interest. Borrower has promised to pay this debt in regular Periodic Payments and to pay the debt in full not later than 06/01/2038 .

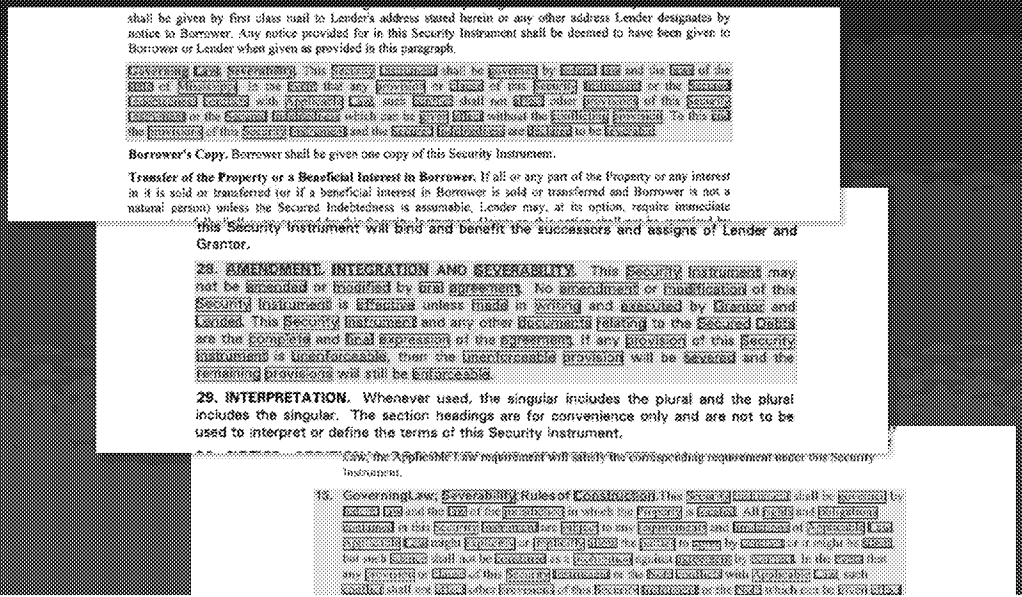
(G) "Property" means the property that is described below under the heading "Transfer of Rights in the Property."

Paragraph Detection, Analysis, and Ranking

Identify paragraphs, sentences, or other language elements which convey a specific meaning. Based on supervised machine learning – simply train examples. Powerful n-gram analysis ensures reliable interpretation – regardless of wording differences.



ASSIGNMENT OF LEASE



shall be given by first class mail to Lender's address stated herein or any other address Lender designates by notice to Borrower. Any notice provided for in this Security Instrument shall be deemed to have been given to Borrower or Lender when given as provided in this paragraph.

Borrower's Copy. Borrower shall be given one copy of this Security Instrument.

Transfer of the Property or a Beneficial Interest in Borrower. If all or any part of the Property or any interest in it is sold or transferred (or if a beneficial interest in Borrower is sold or transferred and Borrower is not a natural person) unless the Secured Indebtedness is assumable, Lender may, at its option, require immediate

this Security Instrument will bind and benefit the successors and assigns of Lender and Grantor.

28. AMENDMENT, INTEGRATION AND SEVERABILITY. This Security Instrument may not be amended or modified by oral agreement. No amendment or modification of this Security Instrument is effective unless made in writing and executed by Grantor and Lender. This Security Instrument and any other documents relating to the Secured Debts are the complete and final expression of the agreement. If any provision of this Security Instrument is unenforceable, then the unenforceable provision will be severed and the remaining provisions will still be enforceable.

29. INTERPRETATION. Whenever used, the singular includes the plural and the plural includes the singular. The section headings are for convenience only and are not to be used to interpret or define the terms of this Security Instrument.

18. Governing Law; Severability; Rules of Construction.

Grooper™

Customizing Grooper

Dynamic Expressions

Customize without scripting, using simple Excel-style formulas:

- Implement custom batch routing and custom task filtering.
- Initialize, validate and calculate field values.

Custom Commands

Create custom commands which show up and work just like built-in Grooper commands.

Custom Activities

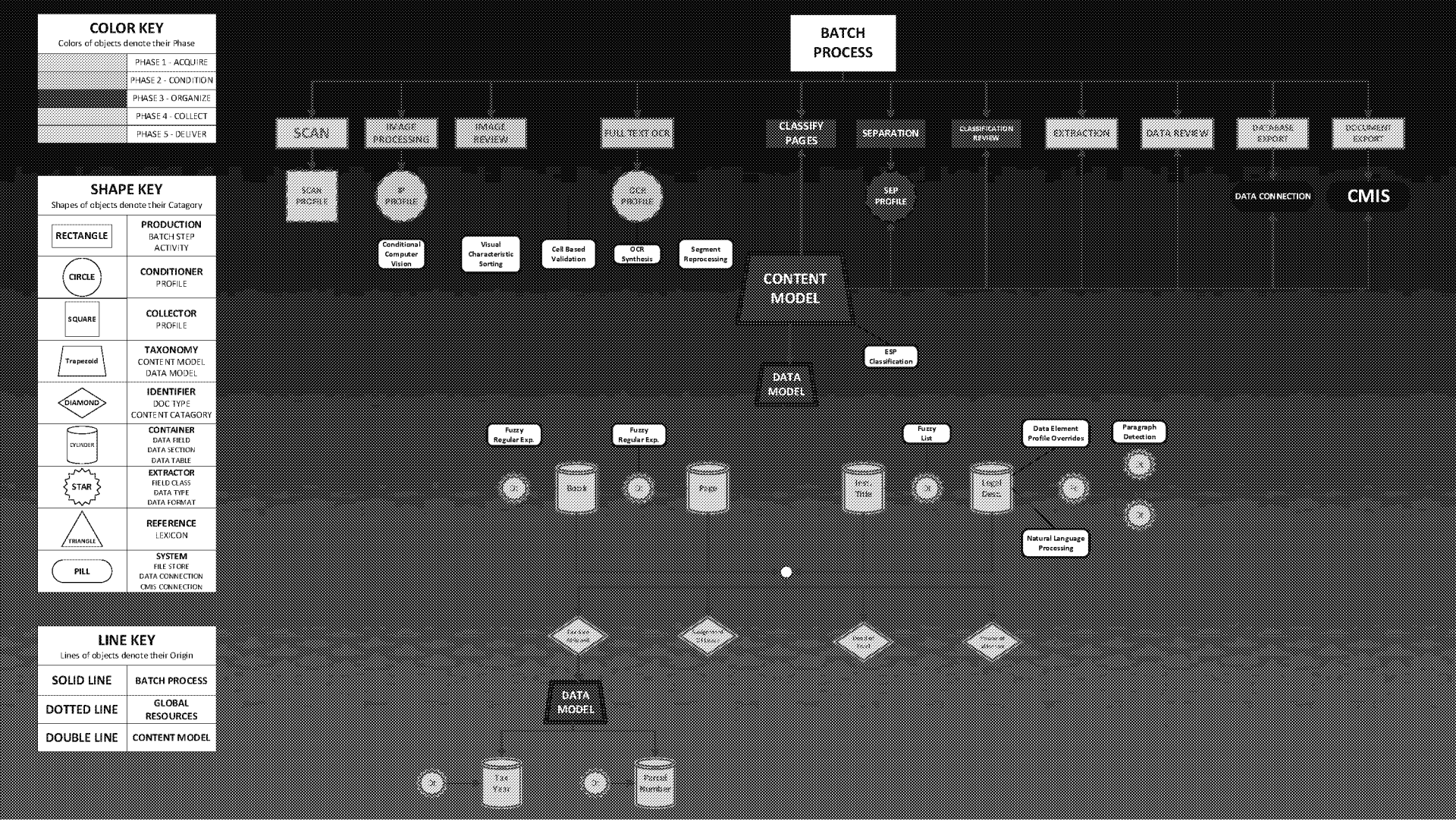
Create custom activities which can be used in a batch process.

Custom Batch Views

Create custom user interfaces for Attended Client.

Object Scripting

Add scripts to objects such as Data Models and Batch Processes to capture events such as batch completion, or a user tabbing out of a field.


COLOR KEY
Colors of objects denote their Phase
PHASE 1 - ACQUIRE
PHASE 2 - CONDITION
PHASE 3 - ORGANIZE
PHASE 4 - COLLECT
PHASE 5 - DELIVER
SHAPE KEY
Shapes of objects denote their Catagory
RECTANGLE
PRODUCTION
BATCH STEP
ACTIVITY
CIRCLE
CONDITIONER
PROFILE
SQUARE
COLLECTOR
PROFILE
Trapezoid
TAXONOMY
CONTENT MODEL
DATA MODEL
DIAMOND
IDENTIFIER
DOC TYPE
CONTENT CATAGORY
CYLINDER
CONTAINER
DATA FIELD
DATA SECTION
DATA TABLE
STAR
EXTRACTOR
FIELD CLASS
DATA TYPE
DATA FORMAT
TRIANGLE
REFERENCE
LEXICON
PILL
SYSTEM
FILE STORE
DATA CONNECTION
CMIS CONNECTION
LINE KEY
Lines of objects denote their Origin
SOLID LINE
BATCH PROCESS
DOTTED LINE
GLOBAL RESOURCES
DOUBLE LINE
CONTENT MODEL
BATCH PROCESS
SCAN
IMAGE PROCESSING
IMAGE REVIEW
FULL TEXT OCR
CLASSIFY PAGES
SEPARATION
CLASSIFICATION REVIEW
EXTRACTION
DATA REVIEW
DATABASE EXPORT
DOCUMENT EXPORT
SCAN PROFILE
IP PROFILE
OCR PROFILE
SEP PROFILE
DATA CONNECTION
CMIS
Conditional Computer Vision
Visual Characteristic Sorting
Cell Based Validation
OCR Synthesis
Segment Reprocessing
CONTENT MODEL
ESP Classification
DATA MODEL
Fuzzy Regular Exp.
Fuzzy Regular Exp.
Fuzzy List
Data Element Profile Overrides
Paragraph Detection
Batch
Page
Legal Desc.
Natural Language Processing
DATA MODEL
Tax Year
Parcel Number

Grooper™

You're Doing It the Hard Way!!

"CAN WE PLEASE **PROCESS EVERY FILE TYPE** AND FORMAT?"

"CAN WE HAVE A **MODERN SYSTEM** THAT USES OUR **MODERN COMPUTING ARCHITECHTURE**?"

"CAN WE EASILY **COLLECT MORE DATA**?"

"CAN WE HAVE A MORE **EFFICIENT IMPLEMENTATION**?"

Grooper™

Enterprise Capture Users Demanded Change

COMMENTS FROM THE USER COMMUNITY

"Didn't meet our expectations for functionality or budget"

"This took longer to implement than we expected"

"Why do we have to buy all these modules every time we want more capability?

"We have to call you every time we want to make the simplest change"

"This software maintenance agreement has so many line items"

" We want to easily process more complex data and electronic data formats"

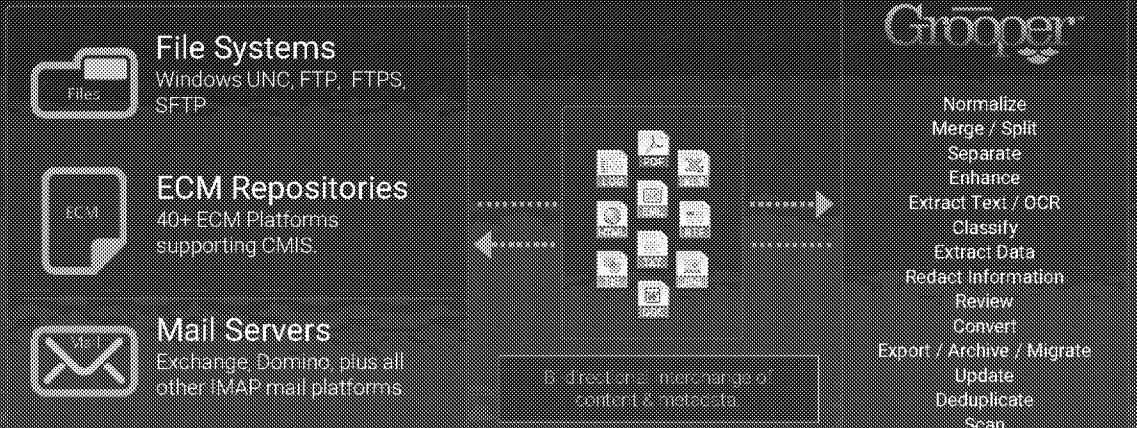
"We just want more out of this technology"

Grooper™

"We want to process electronic documents in **File Shares** and **E-mail** as easily as I can process scanned images"

Process Any File

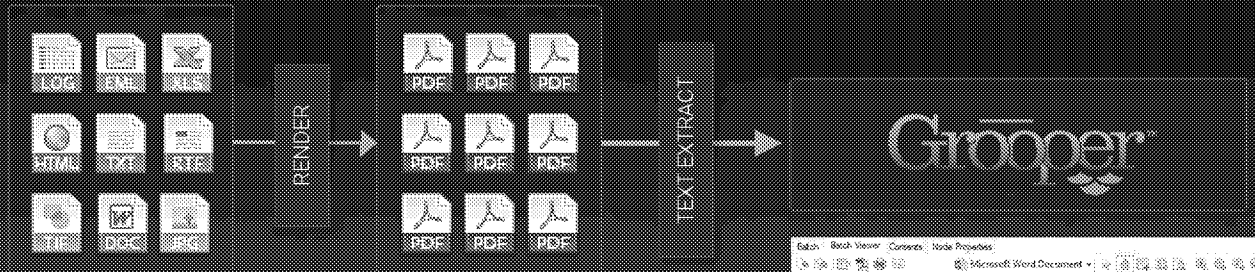
"We want to reprocess documents which are already in an ECM repository"

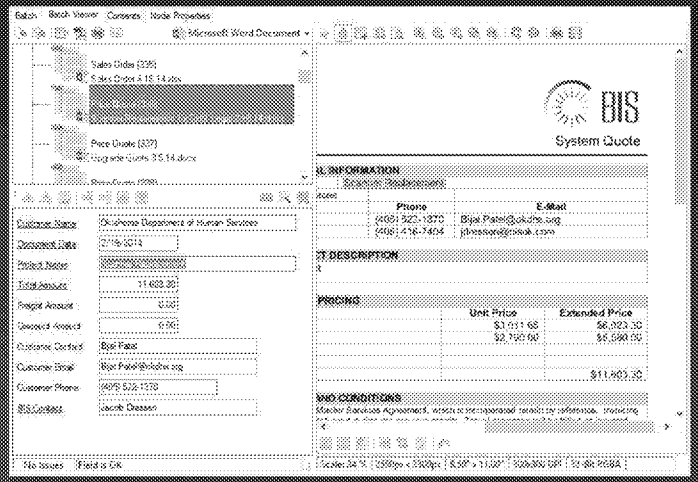


PROCESS ANY FILE

Grooper™

Unified Document Handling and Normalization

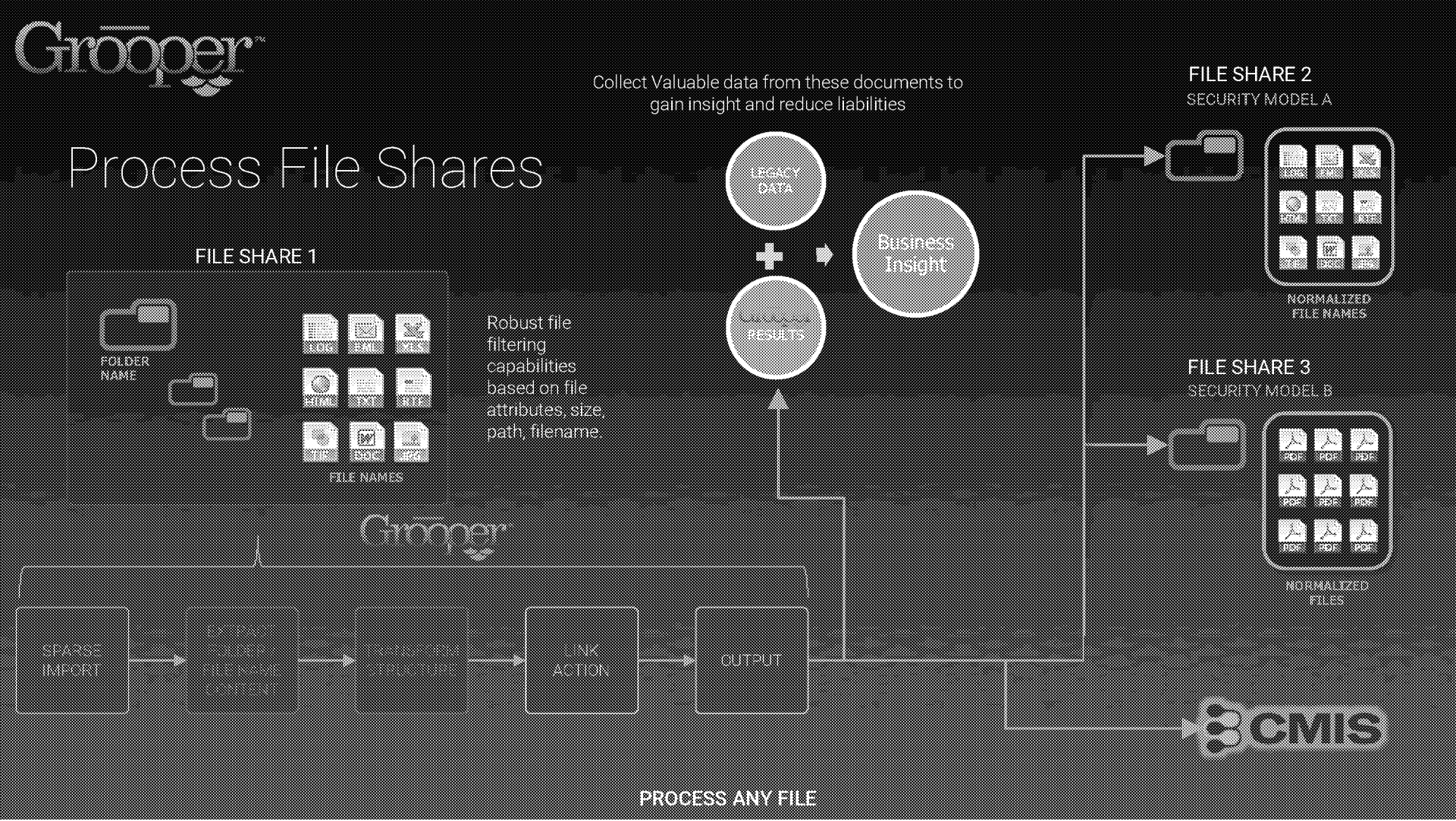




Support for all major electronic document formats.

- Creates a true PDF duplicate with properties.
- 100% accurate rendering, as the document would appear in the native application.
- Full access to the native text content. No need for error-prone OCR!

PROCESS ANY FILE


Grooper
Collect Valuable data from these documents to gain insight and reduce liabilities
Process File Shares
LEGACY DATA
LEGACY RESULTS
Business Insight
FILE SHARE 1
FOLDER NAME
FILE NAMES
Robust file filtering capabilities based on file attributes, size, path, filename.
FILE SHARE 2
SECURITY MODEL A
NORMALIZED FILE NAMES
FILE SHARE 3
SECURITY MODEL B
NORMALIZED FILES
Grooper
SPARSE IMPORT
LINK ACTION
OUTPUT
CMIS
PROCESS ANY FILE

Grooper™

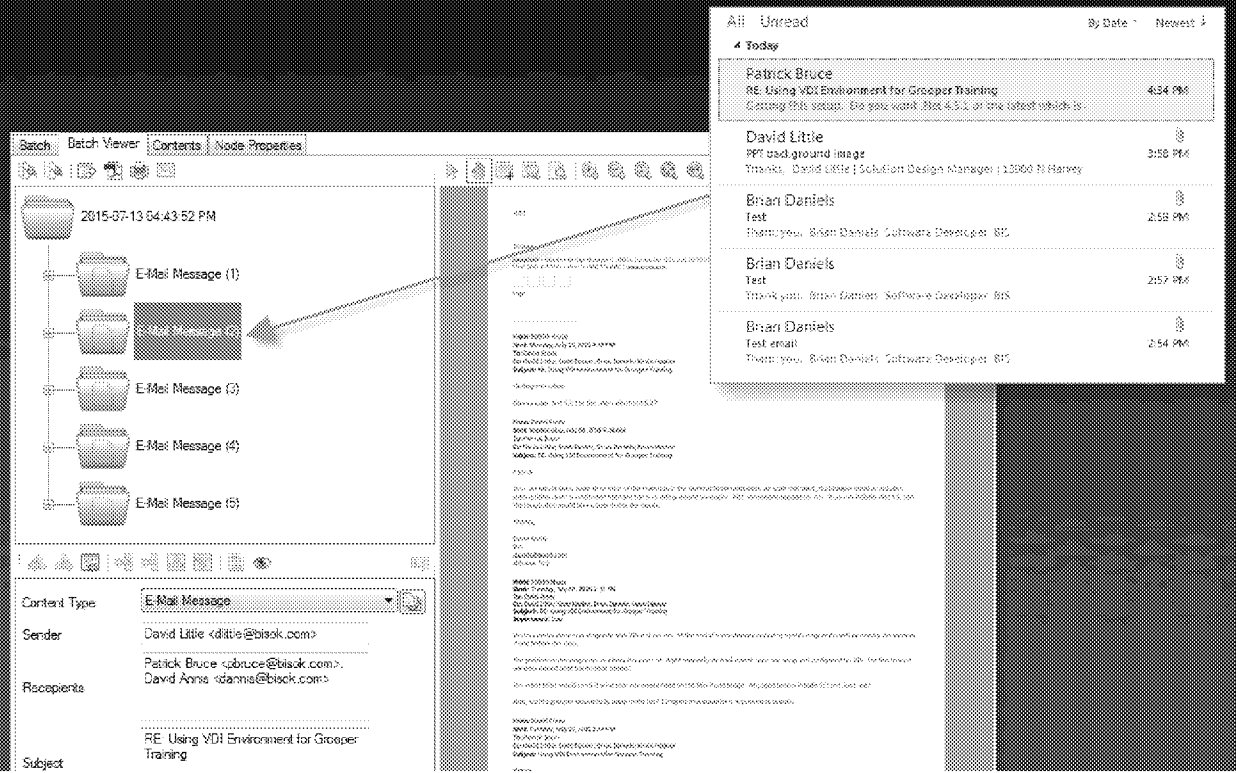
Process E-Mail

Captures metadata, the email body, and attachments.

Can move, import, and convert existing email stores as well as incoming email from a targeted email address.

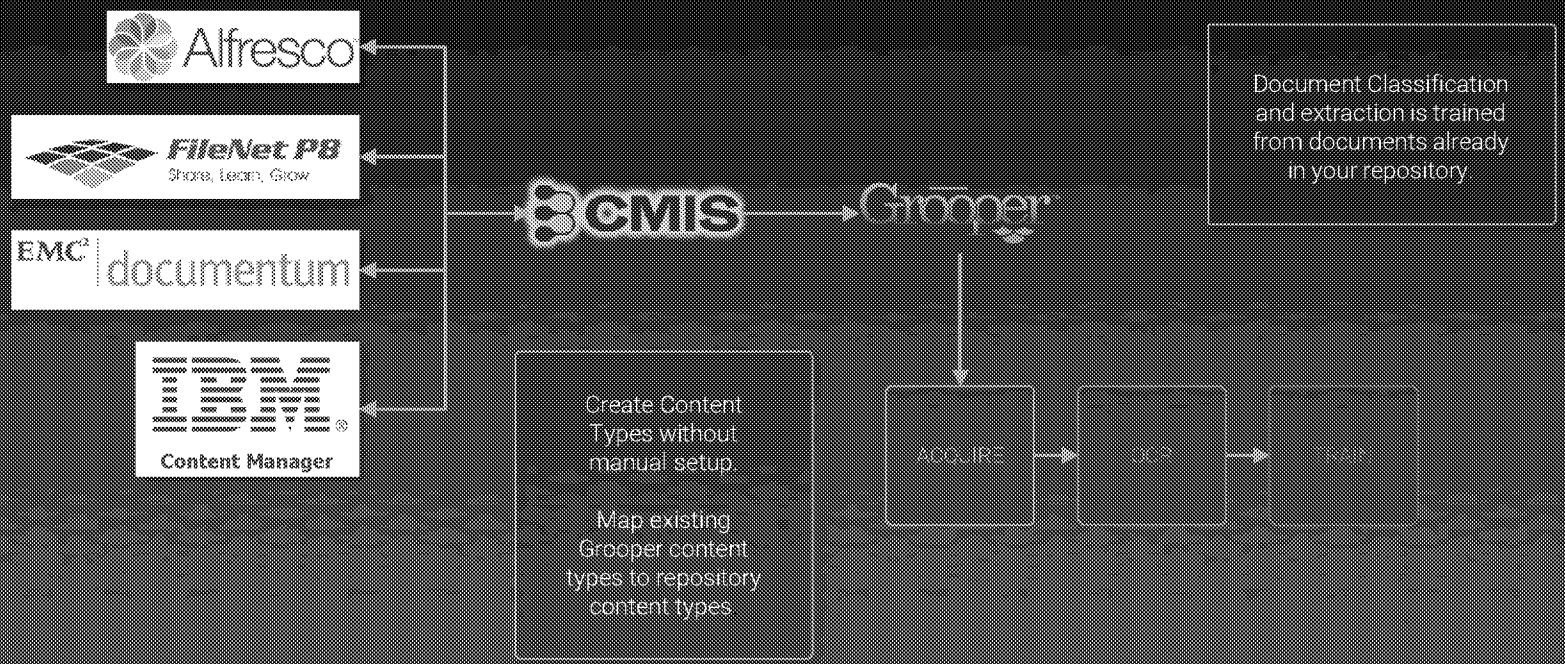
Can trigger outgoing email responses for transactional confirmation.

Collects, transforms, or processes content **plus** attachments.



PROCESS ANY FILE

Automatically Create Grooper Content Types



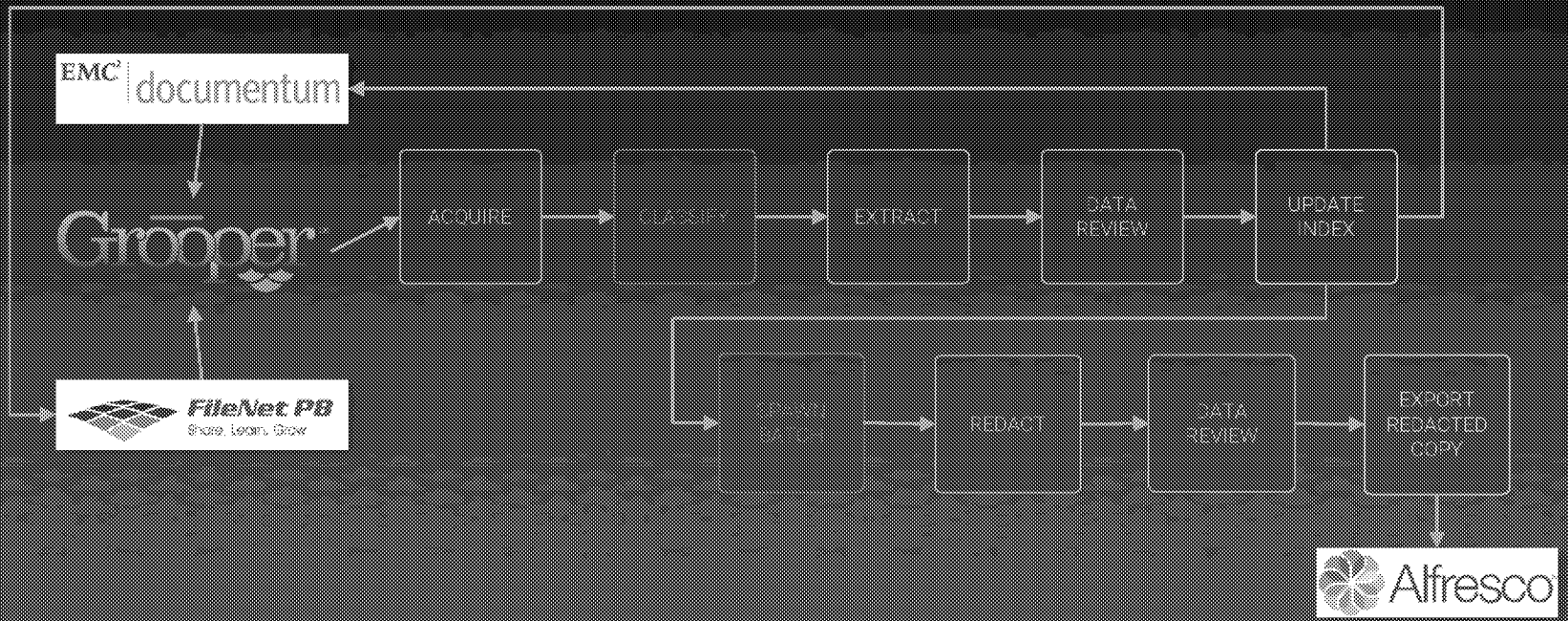
PROCESS ANY FILE

Grooper

Update Document Attributes

Data Migration Example:

Converting Content from a legacy platform to a new system



PROCESS ANY FILE

Grooper™

"We don't want to 3rd party add-ins like VRS"
"We want stop manually copying scanner profiles to every workstation"

Paper Capture

ScanOnce™ - True Virtual Capture

Scanner Settings are globally available to all users

Capture in black and white without giving up image quality and without rescans.

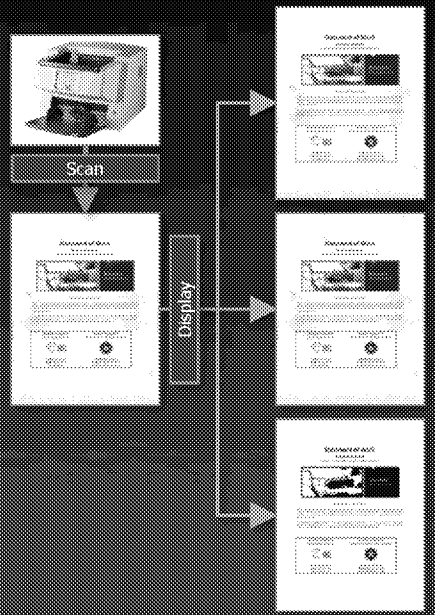
Images are captured in **full color**, but displayed as color, grayscale, or B&W based on configuration.

Auto color detect can be used to set initial display format.

Each page retains its own settings for display format, threshold, brightness, contrast, etc.

Settings can be **adjusted by users at any step in batch processes.**

At export, images are finalized to their configured display format.

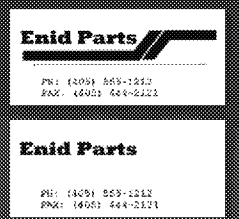


User can enhance any image files at any time using the Attended Client. This eliminates the need to rescan pages in most cases.

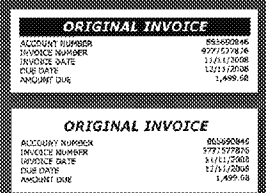
Orientation

Hole Punch Removal

Blob Removal



Invert Text

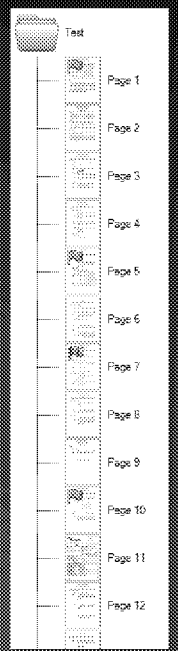


PROCESS ANY FILE

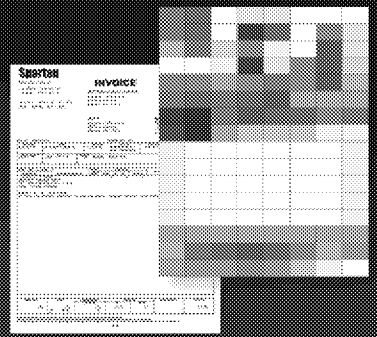
Grooper™

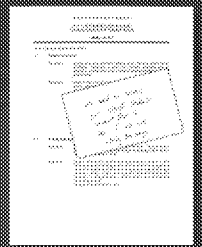
"Why can't we classify and separate documents in real time during scanning without separator sheets?"

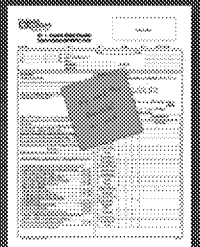
Paper Capture - Real-Time Computer Vision



Separate and Classify documents at Scan Time - FAST
Detect color sticky notes at Scan Time –
Avoid Costly Rescans – Avoid Permanent Data Loss.
Separate and classify based on the presence of stamps, seals, or logos.
Selectively apply or exclude image cleanup based on visual appearance.







Uses ESP™ training / machine learning mechanisms.
Does not require OCR.

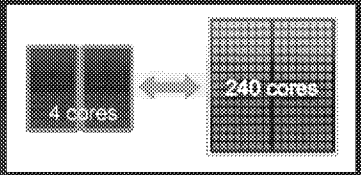
MODERN SYSTEM

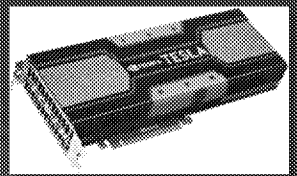
Grooper™

Paper Capture – Hardware Acceleration

Grooper uses hardware acceleration to speed up image processing. This acceleration offloads compute-intensive operations to specialized hardware which performs operations in parallel.

Intel AVX / SSE Acceleration – Uses parallel processing hardware built in to every Intel / AMD processor.





GPU Acceleration
Supports GPU acceleration on CUDA-compatible NVIDIA GPUs.

MODERN SYSTEM

Grooper™

Scalable Parallel Processing

Batches progress through a workflow called a Batch Process, which defines a sequence of **Activities.**

An ***Activity*** defines work, or tasks, to be performed on items in a *Batch*.

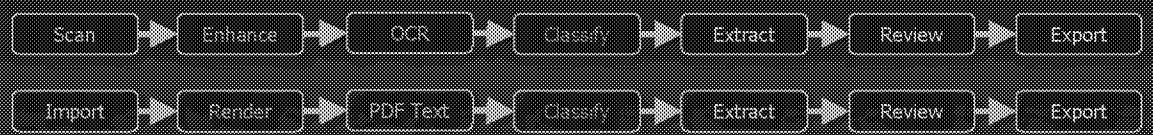
Attended Activities represent human-performed tasks, such as Scan or Review.

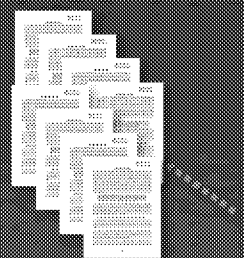
Unattended Activities represent automated system tasks, such as *OCR*.

Grooper™ shared computing infrastructure makes parallel processing on a large scale easy.

Leverage hundreds of processing cores spread across multiple servers and workstations.

Perform in minutes what takes hours or even days using traditional processing methods.





Full ***Text OCR Activity*** creates a task for each page in the *Batch*.

A *Batch* containing 100 pages will generate 100 *OCR* tasks

Tasks are executed through **an Activity Service in parallel,** based on the number of running threads.

Example- OCR ACTIVITY

MODERN SYSTEM

Grooper™

"We need to collect data from complex documents, where information is present in multiple columns and repeating sections"

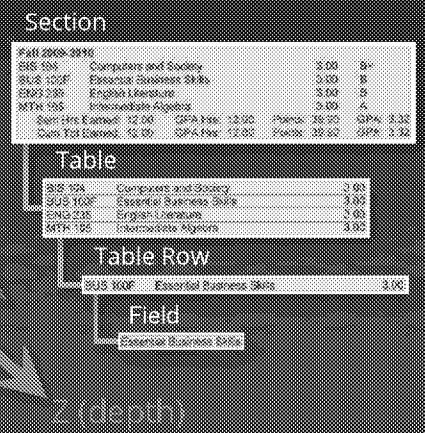
Hierarchical Data Modeling

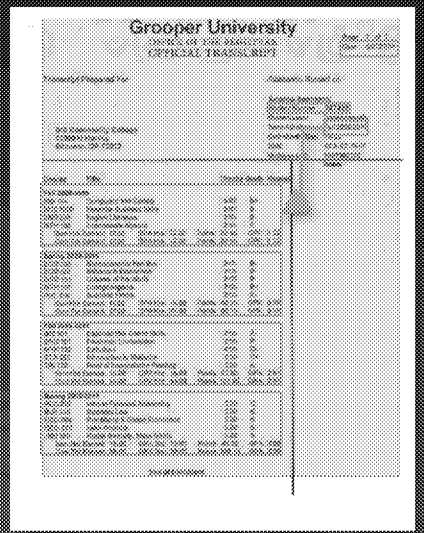
Many structured documents consist of sections, tables, and fields. Grooper can understand and mirror the structure and flow of a document to collect even the most complex information.

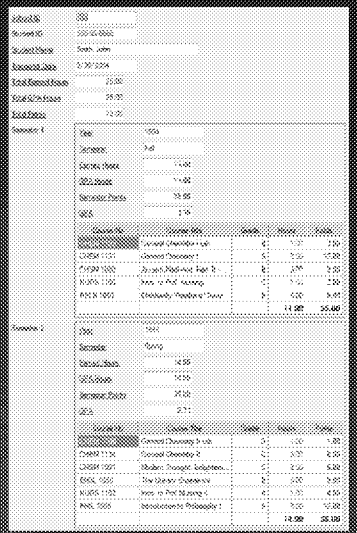
Similar to ECM platforms, Grooper uses a hierarchical content model with support for inheritance.

Uses a hierarchy of sections, tables, and fields to model the structure of document data.

Easily represent complex 2D (tabular) and 3D (hierarchical) data structures.







MODERN SYSTEM

Hierarchical Data Modeling With Inheritance

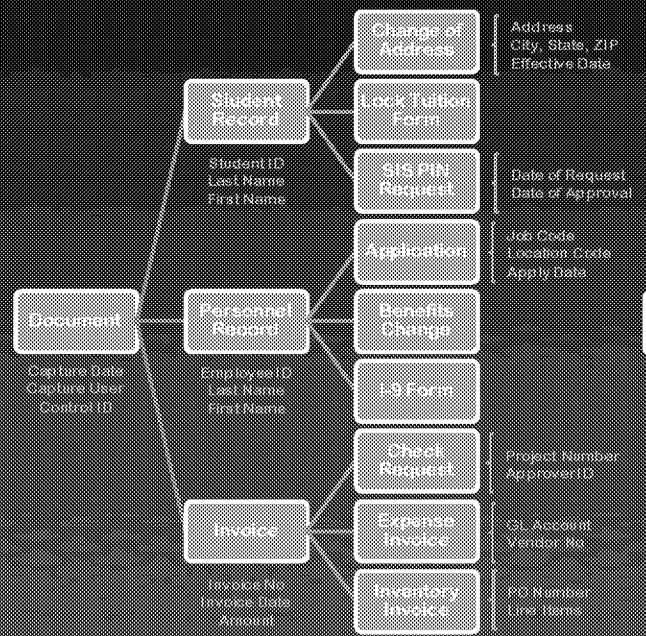
What is Inheritance?

A feature allowing a *derived* content type to inherit the data elements and behavior of a *base* content type.

Capitalizes on similarities between related document types, reducing duplication and improving design elegance.

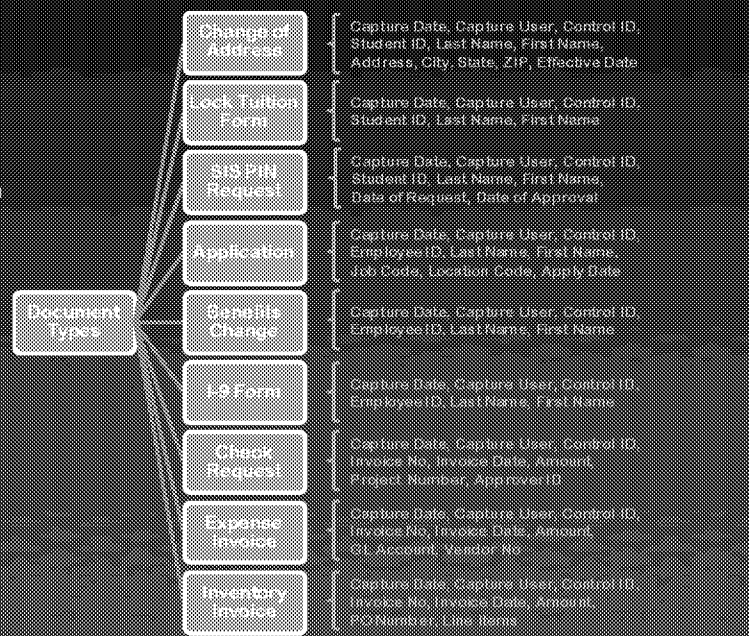
With Inheritance

26 field definitions



Without Inheritance

68 field definitions



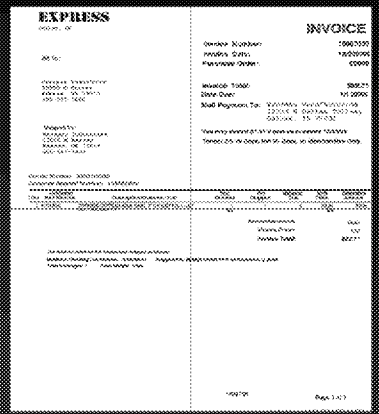
MORE EFFICIENT IMPLEMENTATION

Grooper™

"We have to be able to automatically capture and correct data from imperfect OCR results"

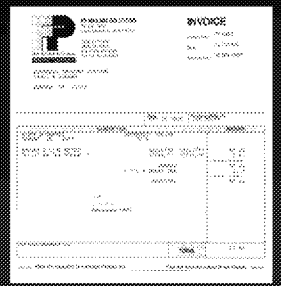
OCR Control

Source Image

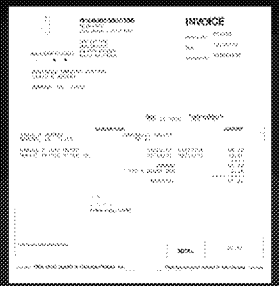


ITERATIVE OCR

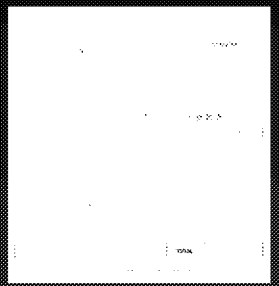
Source Image



Iteration 1



Iteration 2



RESULTS FILTERING

Minimum Character Confidence – Any character with a confidence value below this will be eliminated.

Eliminate Isolated Symbols – Eliminates segments of text which contain a high percentage of symbol characters.
(?)

OCR SYNTHESIS

Synthesis is critical to the merge process used by iterative OCR, cellular validation, and the Grooper Voting engine.

Many OCR spacing issues are the result of bad synthesis, and can be corrected by turning on Grooper synthesis.

CELL VALIDATION

Divides the image into an NxN matrix of cells.
The results from each cell are merged into the full page results.

CORRECT OCR ACTIVITY

To **spell correct a document** before extraction runs.
To **spell correct the value of a field** after extraction.

EASILY COLLECT MORE DATA

Grooper™

"Many data capture automation projects fail to achieve stated goals due to the challenge of dealing with OCR imperfection"

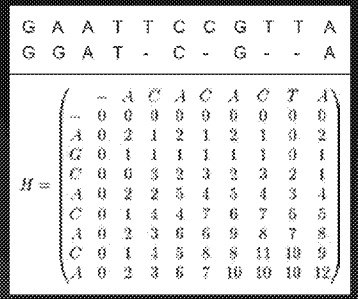
Fuzzy Data Extraction

Automatically handles the details of OCR imperfection

Easy to use. Based on industry-standard regular expression syntax.

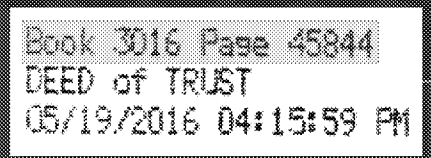
Combines research from NLP and computational biology into a powerful new data extraction tool.

Imperfect DNA Fragment



Many data capture automation projects fail to achieve stated goals due to the challenge of dealing with OCR imperfection.

Source Image

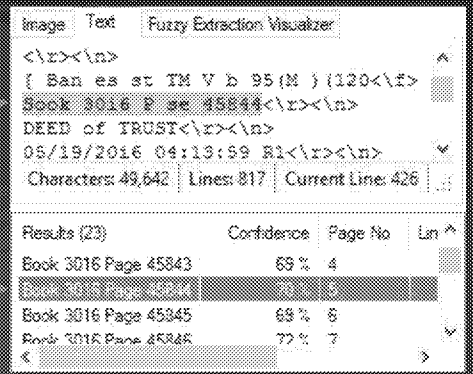


Pattern to Extract

```
1 Book \d{4} Page \d{5}
```

Fuzzy extraction finds and corrects the data value

Imperfect Data Element



EASILY COLLECT MORE DATA

Grooper™

" I need to collect information from natural language documents, where data elements can span multiple lines or pages of a document"

Capture information from sentence flows

Grooper can read documents in paragraphs and sentences just like a human. This allows it to understand and accurately recommend correct values from the body of documents by considering the surrounding flow of language.

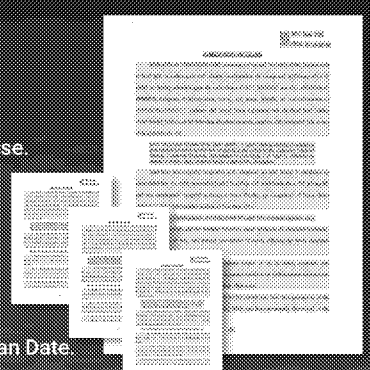
Language Element Recognition.
Example: Locate all paragraphs or sentences in a document.

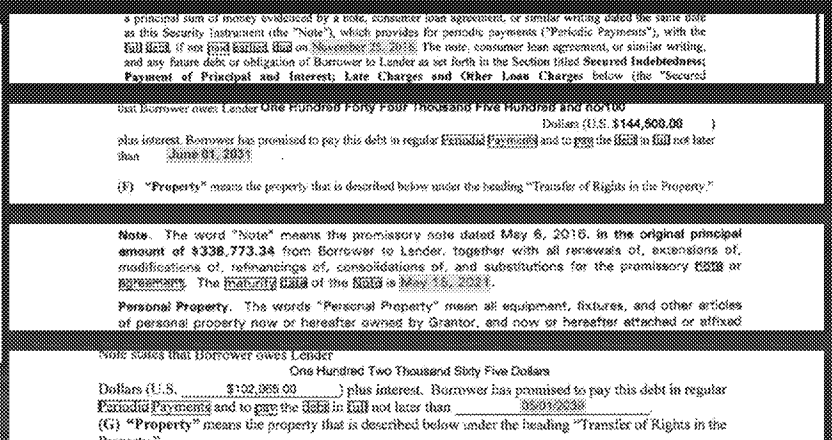
Language Element Classification.
Example: Determine if a contract contains a non-solicitation clause.

Document Flow Detection.
Example: Extract 'Monday, May 27, 2009' across multiple lines.

Context-Based Data Capture.
Example: Determine if a date value is the Maturity Date or the Loan Date.

Powerful Language Parsing
Example: Distinguish "SW ¼ of the NW ¼" from "SW ¼ and the NW ¼".





as this Security Instrument (the "Note"), which provides for periodic payments ("Periodic Payments"), with the full debt, if not paid earlier, due on November 25, 2015. The note, consumer loan agreement, or similar writing, and any future debt or obligation of Borrower to Lender as set forth in the Section titled **Secured Indebtedness; Payment of Principal and Interest; Late Charges and Other Loan Charges** below (the "Secured

that Borrower owes Lender One Hundred Forty Four Thousand Five Hundred and no/100 Dollars (U.S. $144,500.00) plus interest. Borrower has promised to pay this debt in regular Periodic Payments and to pay the debt in full not later than June 01, 2031.

(F) **"Property"** means the property that is described below under the heading "Transfer of Rights in the Property."

Note. The word "Note" means the promissory note dated May 6, 2016, **in the original principal amount of $338,773.34** from Borrower to Lender, together with all renewals of, extensions of, modifications of, refinancings of, consolidations of, and substitutions for the promissory note or agreement. The maturity date of the Note is May 15, 2031.

Personal Property. The words "Personal Property" mean all equipment, fixtures, and other articles of personal property now or hereafter owned by Grantor, and now or hereafter attached or affixed

Note states that Borrower owes Lender One Hundred Two Thousand Sixty Five Dollars Dollars (U.S. $102,065.00) plus interest. Borrower has promised to pay this debt in regular Periodic Payments and to pay the debt in full not later than 05/01/2036.
(G) **"Property"** means the property that is described below under the heading "Transfer of Rights in the Property."

EASILY COLLECT MORE DATA

Grooper™

"I need a simple design interface to unit test my components **easily** - without running a production batch completely through the process" **UGHHHH!!**

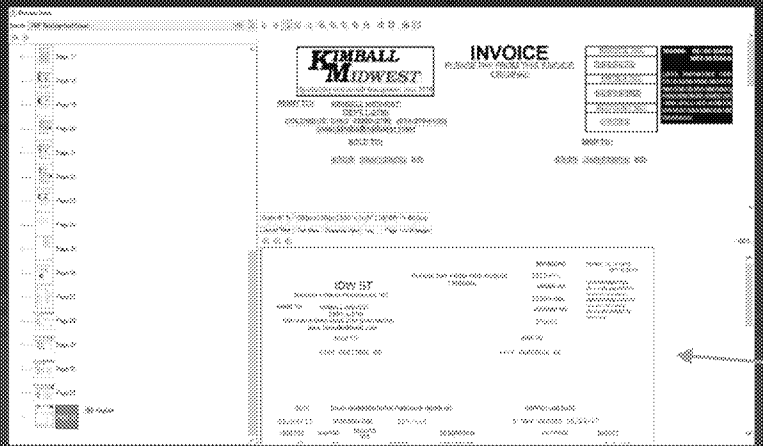
Process Design

Provides detailed feedback on the extraction process, to find tune system results quickly:

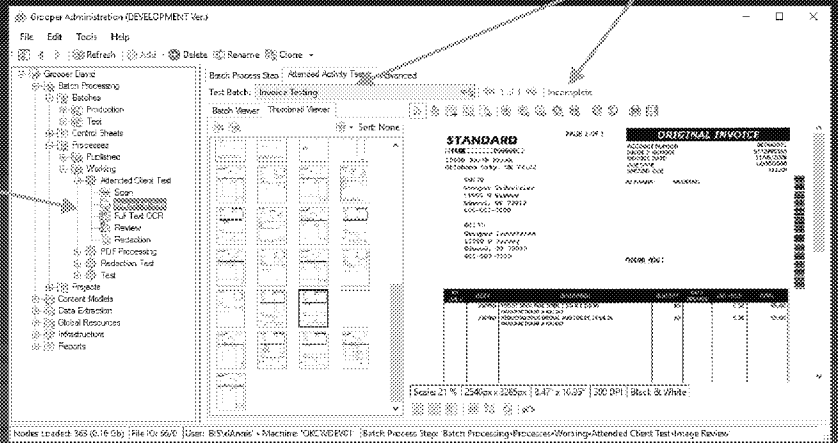
The step represents an attended activity, so the Attended Activity Tester will be available.

Test batch selection and completion indicator.

Testers are available when a Batch Process Step is selected.



Unified testing interface for Full Text OCR and PDF Text Extract



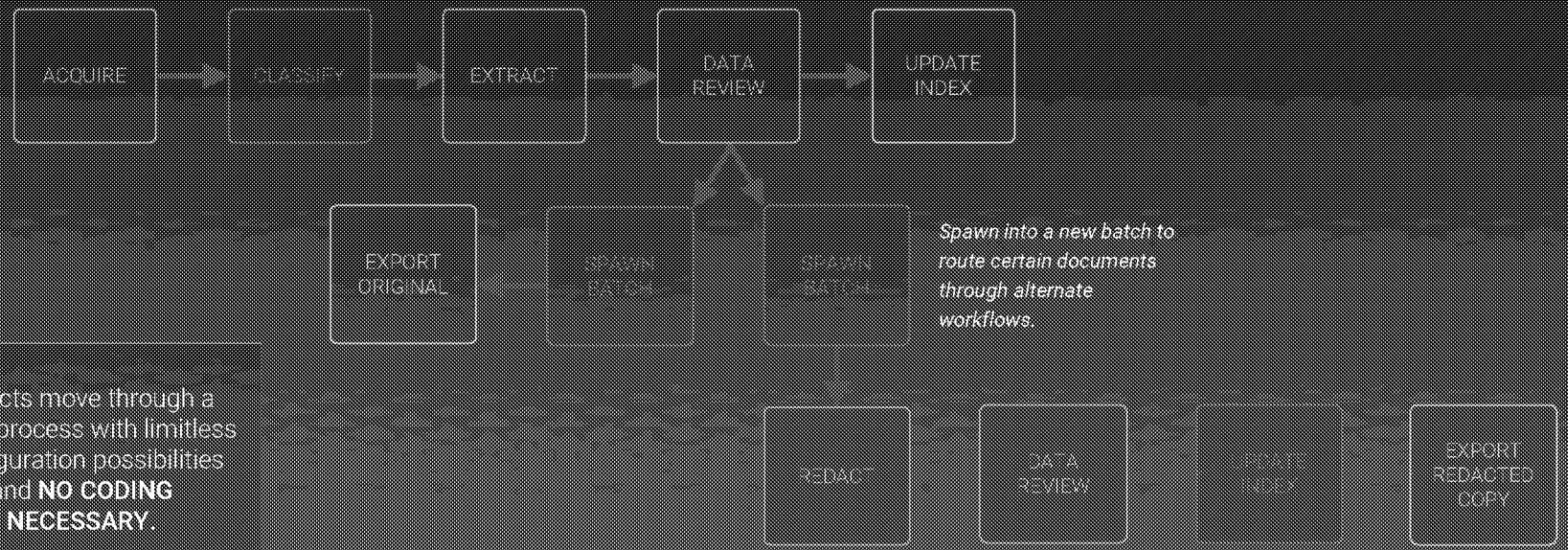
MORE EFFICIENT IMPLEMENTATION

Grooper™

"We want control the flow of documents through a process without custom development"

Unified Batch Processing

Grooper processes content in Batches. *Batches* progress through a workflow called a *Batch Process*, which defines a sequence of *Activities*.



Objects move through a batch process with limitless configuration possibilities and **NO CODING NECESSARY**.

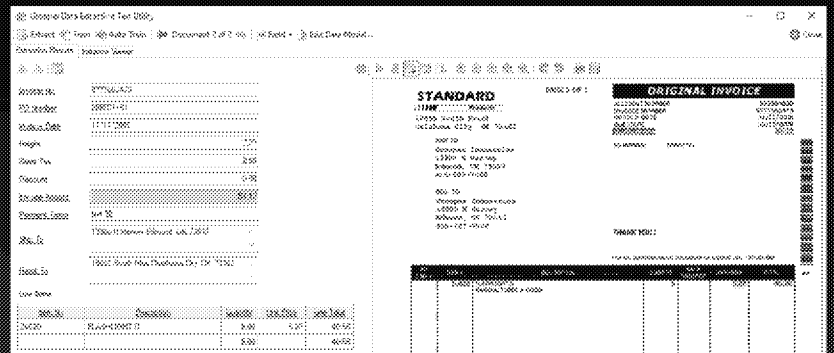
MORE EFFICIENT IMPLEMENTATION

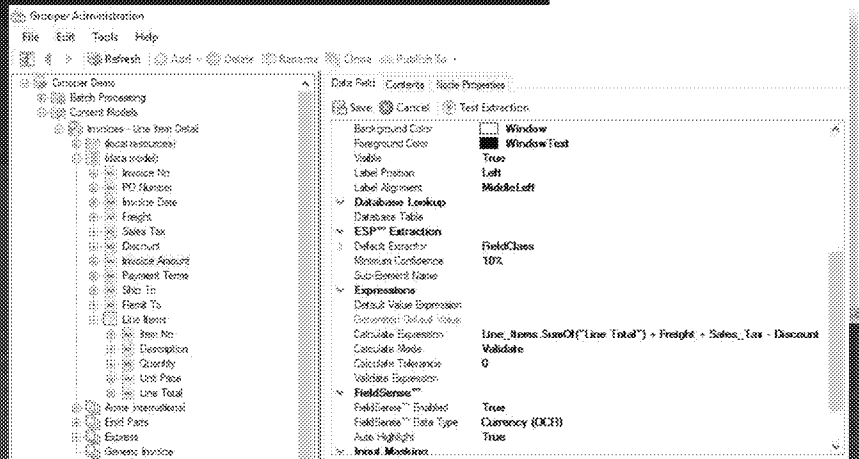
Grooper™

"I want to perform my data validation and field calculations without writing complex scripts"

Process Design

Automatically validate the values of index fields and tables.





Easily calculate the value of multiple fields using simple excel style formulas.

NO COMPLEX VALIDATION SCRIPTS REQUIRED

MORE EFFICIENT IMPLEMENTATION

Message

From: Amy Harder [amy@axios.com]
Sent: 3/5/2018 11:29:48 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Old oil seeks Silicon Valley swag

Old oil seeks Silicon Valley swag

View this email in your browser

Good morning from Houston!

My latest Harder Line column looks at how the big energy confab CERAWeek

is seeking to be more like Silicon Valley. I also have a Q&A with conference host and energy historian Daniel Yergin.

ICYMI from last week:
Behind the climate support of one young Republican
The 23 states that have hiked gas taxes since 2013

Cheers,

Amy

To share: http://axios.link/1ZyN
COLUMN / HARDER LINE

Old oil seeks Silicon Valley swag

HOUSTON -- One of the world's largest energy conferences is focusing more than ever on new technologies helping big oil and gas companies cut costs and carbon emissions.

Why it matters: The spotlight on new tech underscores how the high-carbon parts of the energy industry are trying to embrace the future of low carbon and high tech. The extent to which this conference evolves reflects the very evolution of the sector itself.

Driving the news: The conference, called CERAWeek, features interviews with top executives at Google and Amazon Services and a head of a national laboratory all coming for the first time, according to organizers. A technology hub housed inside the conference that began last year is more than triple its initial size.

Bill Vass, vice president of engineering at Amazon Web Services, will be here, and Google is sending its CEO of its cloud business, Diane Greene. Their presence reflects the growing digitization of energy companies.

"Within the Silicon Valley context, she [Greene] is equivalent to any of these big names in energy," said James Rosenfield, IHS Markit executive and co-host of the conference. "She's a household name in Silicon Valley, but when I mentioned her name in Houston, she's less well known except to the IT people."

I asked conference host and energy historian Daniel Yergin how many times in the past Google and Amazon executives have participated in the event.

"I think I would say a really long time, beginning this year," Yergin replied with a slight chuckle.

The back story: Pronounced *seer-a*, CERA stands for Cambridge Energy Research Associates, a consulting firm founded more than 30 years ago by Yergin and Rosenfield in Cambridge, Mass. Since being acquired by IHS Markit in 2004, CERAWeek has grown to more than 500 speakers and thousands of attendees from 70 countries.

The event feels like the center of the global energy universe for a few frenzied days, with high-profile speeches and closed-door deal-makings alike.

The tech hub will include everything from a Formula E (for electric) race car to displays of digitization to augmented reality vertical taxis. There are also 12 events on blockchain, according to Rosenfield.

"We have brought down the average age of CERAWeek by 10 years because we have all these young people involved in startups," he said.

The sponsors of the tech hub have doubled from eight in its inception last year and now include oil giants Saudi Aramco and Total.

Another tech hub backer is Maana, a Silicon Valley startup with patented technology that encodes human expertise and combines it with companies' data to make their operations run more efficiently, according to its chief marketing officer Azita Martin. Maana opened up a Houston office last year.

Between the lines: Several factors are driving oil companies, historically more conservative than Silicon Valley startups, to embrace high-tech changes. The

oil-price collapse of 2014 is one of them, and the world's move to lower-carbon technologies to address climate change is another.

"A change that might be driven by cost or efficiency has the collateral effect of carbon benefits," Rosenfield said. "Equally, something that's driven by climate, that could also have the collateral effect of changing how companies operate."

The competitive nature of the transportation sector and oil demand, which includes electric vehicles, is also driving innovation. The CEO of General Motors, Mary Barra, speaks Wednesday.

Yes, but: This is still Houston, and the oil industry is never going to be a rapid adopter of anything new, given that its operations are based on huge infrastructure that can't be easily changed.

With the tech hub more than three times its 2017 size and a record number of speakers, the more than 3,500 attendees — itself another record — are bound to miss things.

"My absolute greatest frustration is I can't go to everything," said Yergin, who is doing most of the keynote interviews.

That record attendance comes amid a steep price tag that some energy executives complain is too high: $8,250 for the week. That's $500 more than the past three years, according to a CERAWeek spokesman.

I guess that's the price for Silicon swag.

Amy
energy reporter, Axios
202.906.9629
@AmyAHarder

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list

This email was sent to jackson.ryan@epa.gov
why did I get this? unsubscribe from this list update subscription preferences
Axios · 3100 Clarendon Blvd. · Arlington, VA 22201 · USA

mailchimp

Message

From: Ford, Hayley [ford.hayley@epa.gov]
Sent: 2/22/2018 8:58:22 PM
To: Ann Pierce [ann@a1apac.org]
CC: Joseph Ahearn [joe@a1apac.org]; Brian Walsh [brian@a1apac.org]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: AFA Request for EPA Administrator Pruitt
Attachments: GROUND RULES FOR POLITICAL EVENTS.doc

Thank you Ann. We are putting your request through review with our Agency ethics officials and will get back to you very shortly.

In the meantime, I wanted to send along our "Ground Rules for Participation in a Political Event" so you are aware of the restrictions, should we be able to confirm this. Please let me know if you have any questions.

Thank you and we will be in touch soon!

Hayley Ford
Deputy White House Liaison and Personal Aide to the Administrator
Environmental Protection Agency
ford.hayley@epa.gov
Phone: 202-564-2022
Ex. 6

From: Ann Pierce [mailto:ann@a1apac.org]
Sent: Thursday, February 22, 2018 12:33 PM
To: Ford, Hayley <ford.hayley@epa.gov>
Cc: Joseph Ahearn <joe@a1apac.org>; Brian Walsh <brian@a1apac.org>
Subject: Re: AFA Request for EPA Administrator Pruitt

Hi Hayley-

Attached is the completed form. Please let us know if you need anything further on our end.

Thanks so much, and have a great day!
Ann

On Thu, Feb 22, 2018 at 9:33 AM, Ford, Hayley <ford.hayley@epa.gov> wrote:

> Hello Ann and Joseph,
>
> Thank you for this request. I've attached here our speaking request form that will ask for a bit more information. Would you mind completing this at your earliest convenience? I know this is coming up very quickly so as soon as I receive it we can proceed with determining if we're able to make this work.
>
> Thank you!

Hayley Ford

Deputy White House Liaison and Personal Aide to the Administrator

Environmental Protection Agency

ford.hayley@epa.gov

Phone: 202-564-2022

Ex. 6

From: Ann Pierce [mailto:ann@a1apac.org]
Sent: Wednesday, February 21, 2018 6:57 PM
To: Ford, Hayley <ford.hayley@epa.gov>
Cc: Joseph Ahearn <joe@a1apac.org>
Subject: AFA Request for EPA Administrator Pruitt

Good evening-

Please see attached request from America First Action for EPA Administrator Pruitt on February 27, 2018.

Please give me a call if you have any questions. Thank you so much, and have a great night!

Ann

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--

Ann S. Pierce

Deputy Finance Director

America First Action

1400 Crystal Drive

Suite 850

Arlington, VA 22202

Ex. 6

E: ann@a1apac.org

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Ann S. Pierce
Deputy Finance Director
America First Action
1400 Crystal Drive
Suite 850
Arlington, VA 22202

Ex. 6

E: ann@a1apac.org

[SEQ CHAPTER \h \r 1]**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
Washington, D.C. 20460

GROUND RULES FOR PARTICIPATION IN A POLITICAL EVENT

Your political organization/campaign has invited a Presidentially-Appointed and Senate-confirmed appointee of the U.S. Environmental Protection Agency to speak at your political event. The Hatch Act, 5 U.S.C. §§ 7321-7326, sets forth certain restrictions that this employee must follow. Our employee cannot use official EPA authority to further any political activity; cannot solicit, accept or receive political contributions; and cannot solicit or discourage the political participation of anyone who has business pending before the Agency.

We ask that you review our ground rules carefully and ensure that they are followed. Failure to follow these rules may result in withdrawal of any approval for our employee to participate.

- You must provide EPA with a copy of the invitation and any other public communications regarding the event before you may distribute them so that our counsel can ensure compliance with federal rules.

- You cannot use or permit the use of our employee's EPA title or position. You cannot refer to his/her EPA position or title or affiliation in any way, including in any advertising or communication or any attempt to bolster attendance.

- Once EPA agrees to the final version of the invitation or other public communications, you cannot make any subsequent changes to the text or format nor change the title of the electronic files.

- You must provide EPA with a complete description of the event, the proposed venue, any sponsors or affiliated entities, and a summary description of proposed invitees.

- You may not specifically target invitees with interests before the Agency. If EPA agrees to provide a speaker, you will provide a list of all invitees to EPA and their contact information at least 48 hours in advance of the event.

- When you issue your invitations, include this statement as part of the distribution:

  PLEASE NOTE: The federal Hatch Act prohibits this speaker from soliciting or discouraging the political participation of any person who has an application for any compensation grant, contract, ruling, license, permit, or certificate pending before US EPA. If you or your company has any business pending before any part of EPA, we ask that you not attend this event.

Any questions regarding these rules should be directed to Justina Fugh, Senior Counsel for Ethics, at fugh.justina@epa.gov or 202 564 1786. [SEQ CHAPTER \h \r 1]

Message

From: Barlow Richardson, Michelle (Wicker) [Michelle_Richardson@wicker.senate.gov]
Sent: 2/20/2018 5:49:31 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Delta Council voicemail

Ryan,
I just left you a voicemail to discuss Administrator Pruitt being the featured speaker at this year's Delta Council meeting. http://www.deltacouncil.org/history.html
Would love to discuss preliminary details with you before Delta Council puts a formal letter in to the Administrator's office.

Ex. 6

Michelle

Michelle Barlow Richardson
Chief of Staff, U.S. Senator Roger F. Wicker
555 Dirksen, Washington, D.C. 20510
Ex. 6

Message

From: Sam Hammons [sam@samhammons.com]
Sent: 3/8/2018 8:55:01 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Jarold Callahan [Jarold.Callahan@expressranches.com]
Subject: Fwd: EPA Air emissions-URGENT
Attachments: CERCLA-Status as of 3-8-2018.docx

Importance: High

Ryan,
Bob Funk asked me to see that you got this urgent information. The manager of ranching and cattle operations is Jarold Callahan and is one of the most knowledgable people in the country on this and other agriculture topics. His cell is Ex. 6 and his email is set forth above. It is believed that the office of the Administrator is not aware of this.
I believe you have my cell Ex. 6

Sam@samhammons.com

Confidentiality Notice: This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any retention, dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately and delete the email from your system.

Begin forwarded message:

Air Emissions Reporting for Concentrated Animal Feeding Operations (CAFOs)
(CAFOs include feedyards, dairies, pork and poultry feeding facilities.)
(This will also affect large cow-calf and stocker operations.)
Status as of March 8, 2018

Action requested: Call EPA Administrator Pruitt immediately and request that he withdraw EPA proposed rule on Reportable Quantity Modifications (RIN 2050-AG97) sent to OMB March 6 otherwise this proposed rule will cause the Senate Environment and Public Works (EPW) Committee to take no action on the bi-partisan Senate bill S. 2421 that would exempt animal operations from reporting air emissions. The Senate EPW Committee hearing is set for 10 a.m. Eastern, Thursday, March 8.

- In 2009, EPA exempted CAFOs from reporting air emissions (ammonia and hydrogen sulfide) under the "Superfund" law (CERCLA—Comprehensive Environmental Response, Compensation and Liability Act).

- Air emissions reporting under the Superfund law are intended for emergency release reporting of hazardous substances, so federal, state and local agencies can respond immediately (i.e., the explosion of a refinery or anhydrous ammonia tank).

- Emissions of ammonia and hydrogen sulfide from CAFOs are low-level, continuous, non-hazardous emissions generated from the natural decomposition of manure that do not require any kind of emergency response.

- For real emergency hazardous releases, if those releases exceed 100 pounds per day, the emissions must be reported to the National Response Center that is manned by the U.S. Coast Guard.

- Waterkeeper Alliance (an activist group founded by Robert F. Kennedy, Jr) sued EPA and in 2017 the Court of Appeals in D.C. agreed with Waterkeeper and vacated the exemption adopted by EPA in 2009. The Court has provided three extensions since April 2017 to give EPA (and presumably Congress) an opportunity to fix the issue. **As of today, if nothing changes, reporting will be required beginning May 1, 2018.**

- In late 2017 and early 2018, national and state livestock groups worked with members of Congress to draft S. 2421 to permanently exempt CAFOs from reporting air emissions under CERCLA. The bill has bi-partisan support in the Senate and House and the plan is to add the language to the Omnibus Appropriations Bill, which will be considered by Congress on March 23.

- This week, EPA career staff initiated an end-run on the legislative language and sent a draft rule to OMB that would only exempt CAFOs that emit less than 5,000 pounds per day of ammonia **(approximately 10,000 head of cattle)**. That exemption level does nothing to exempt CAFOs that are the target of Waterkeeper and other activists groups that want to force data reporting and collection in the National Response Center Database. This information will be used to increase regulatory requirements for permits and likely future reductions in feeding capacity.

- The type of regulatory exemption proposed by EPA to increase the reporting threshold will NOT stand a legal challenge, in that there are no examples within CERCLA where a specific level has been set to exclude certain types of operations. **It is simply a diversionary tactic by EPA in an attempt to prevent Congress from passing legislation that would exempt CAFOs from reporting these low-level ammonia and hydrogen sulfide emissions under CERCLA.**

Message

From: Ann Pierce [ann@a1apac.org]
Sent: 2/23/2018 5:52:04 PM
To: Ford, Hayley [ford.hayley@epa.gov]
CC: Joseph Ahearn [joe@a1apac.org]; Jackson, Ryan [jackson.ryan@epa.gov]; Brian Walsh [brian@a1apac.org]
Subject: Re: AFA Request for EPA Administrator Pruitt

Good afternoon Hayley-

I wanted to touch base to let you know that there are no- and will be no- written public communications promoting the event. All invitations were issued word-of-mouth.

Also, pending approval, we will be happy to provide you with a LxL of the event.

In the meantime, please let me know if there is anything further you need on our end. Thanks so much!
Ann

On Thu, Feb 22, 2018 at 3:58 PM, Ford, Hayley <ford.hayley@epa.gov> wrote:

Thank you Ann. We are putting your request through review with our Agency ethics officials and will get back to you very shortly.

In the meantime, I wanted to send along our "Ground Rules for Participation in a Political Event" so you are aware of the restrictions, should we be able to confirm this. Please let me know if you have any questions.

Thank you and we will be in touch soon!

Hayley Ford

Deputy White House Liaison and Personal Aide to the Administrator

Environmental Protection Agency

ford.hayley@epa.gov

Phone: 202-564-2022

Ex. 6

From: Ann Pierce [mailto:ann@a1apac.org]
Sent: Thursday, February 22, 2018 12:33 PM
To: Ford, Hayley <ford.hayley@epa.gov>

Cc: Joseph Ahearn <joe@a1apac.org>; Brian Walsh <brian@a1apac.org>
Subject: Re: AFA Request for EPA Administrator Pruitt

Hi Hayley-

Attached is the completed form. Please let us know if you need anything further on our end.

Thanks so much, and have a great day!

Ann

On Thu, Feb 22, 2018 at 9:33 AM, Ford, Hayley <ford.hayley@epa.gov> wrote:

Hello Ann and Joseph,

Thank you for this request. I've attached here our speaking request form that will ask for a bit more information. Would you mind completing this at your earliest convenience? I know this is coming up very quickly so as soon as I receive it we can proceed with determining if we're able to make this work.

Thank you!

Hayley Ford

Deputy White House Liaison and Personal Aide to the Administrator

Environmental Protection Agency

ford.hayley@epa.gov

Phone: 202-564-2022

Ex. 6

From: Ann Pierce [mailto:ann@a1apac.org]
Sent: Wednesday, February 21, 2018 6:57 PM
To: Ford, Hayley <ford.hayley@epa.gov>

Cc: Joseph Ahearn <joe@a1apac.org>
Subject: AFA Request for EPA Administrator Pruitt

Good evening-

Please see attached request from America First Action for EPA Administrator Pruitt on February 27, 2018.

Please give me a call if you have any questions. Thank you so much, and have a great night!

Ann

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Ann S. Pierce

Deputy Finance Director

America First Action

1400 Crystal Drive

Suite 850

Arlington, VA 22202

Ex. 6

E: ann@a1apac.org

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E: ann@a1apac.org

Message

From: Charles Brittingham [cbrittingham@cassidy.com]
Sent: 3/5/2018 6:49:21 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Quick Question re: EPA and MOX
Attachments: EPA Administrator Information Request 2-22-18.pdf

Importance: High

Do you know or is there anyone at EPA who can help with this issue?

We have an interest in ensuring that MOX project continues apace in South Carolina.

The Department of Energy is attempting to kill the project through a variety of means. One aspect of the DOE's effort to kill MOX is to figure out how otherwise to dispose of weapons grade plutonium. They have a scheme to use the Waste Isolation Pilot Project in New Mexico for this purpose. However, as the attached letter to the Administrator (from the South Carolina Governor) notes, they are proceeding in a fashion that would be clear violation of NEPA.

Are y'all working on a response to the attached letter and if so, what is the likely timing? Would it be useful to have outreach from SC delegation to the Administrator to get a favorable outcome.

Let's chat at your convenience.

Thanks man.

Charles

Charles Brittingham, II
Senior Vice President
Cassidy & Associates

Ex. 6

STATE OF SOUTH CAROLINA

Governor's Nuclear Advisory Council

1200 Senate Street, 460 Wade Hampton Building
Columbia, SC 29201
(803)734-8120

RICK LEE, CHAIRMAN

DR. MUSA DANJAJI
CAPTAIN CLAUDE C. CROSS
DR. CAROLYN HUDSON
JIM LITTLE
SCOTT BATSON
DR. VINCENT VAN BRUNT
REP. SYLLESTE DAVIS
SEN. TOM YOUNG

Scott Pruitt
Administrator
Office of the Administrator
United States Environmental Protection Agency (EPA)
1200 Pennsylvania Avenue NW
Washington, D.C.

2-22-18

Subject: Issues with the Department of Energy (DOE) Intention to Utilize the Waste Isolation Pilot Plant for the Disposal of Weapons Grade Plutonium Not In Accordance with Mission and Permit Conditions Certified by the EPA

Dear Sir:

The purpose of this letter is to bring to your attention apparent unilateral actions being taken by the DOE to dispose of 40 tons of weapons grade plutonium at WIPP and to question whether these plans are indeed permitted under the terms of the Compliance Recertification Application submitted by the DOE in March 2014.

The South Carolina Governor's Nuclear Advisory Council held its quarterly meeting on October 12, 2017. Mr. Bob Raines, DOE Associate Administrator for Acquisition and Project Management, informed the Council that the National Nuclear Security Administration (NNSA), the semi-autonomous unit of the DOE, is planning to terminate the Mixed Oxide (MOX) Fuel Fabrication Facility project at the Savannah River Site. The MOX project was designed to utilize 34 tons of weapons grade plutonium surplused by the United States, and blend it with uranium for use as low enrichment fuel for commercial nuclear power reactors by using the "mixed oxide" method of treating the weapons grade plutonium. This method was selected following a decade of technology and economic evaluations by the DOE. The mixed oxide treatment method results in an isotopically altered plutonium by-product after nuclear fission irradiation in a commercial reactor core that is no longer a viable nuclear weapon form. The MOX project is presently under construction and is scheduled to begin treating the 34 tons of weapons grade plutonium declared surplus after the project is completed.

It is our understanding from Mr. Raines presentation, that in addition to the 34 tons of weapons grade plutonium to be treated at the MOX project, the DOE has an additional

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6 tons of plutonium which cannot be treated by the mixed oxide method that requires disposition.

In place of the MOX project methodology, Mr. Raines informed the Council that the NNSA would substitute a "Dilute and Dispose" methodology (D&D) by blending the weapons grade plutonium with "Stardust", a classified inerting material, rendering the plutonium difficult to separate and then would ship the mixture to the Waste Isolation Pilot Plant (WIPP) in New Mexico for ultimate disposal. Mr. Raines also stated the DOE is presently sending smaller quantities of weapons grade plutonium to WIPP (this quantity of plutonium is not suitable for use as MOX fuel) and would plan to send an additional 34 tons of the plutonium/stardust mixture resulting from this new D&D program. Since D&D is underway at this time, we initially assumed that this process was approved and meets all EPA environmental assessment, risk analysis and associated permit requirements associated with WIPP.

After reviewing the DOE plans for disposal of the weapons grade plutonium at WIPP as well as public domain research, we continue to have the following concerns regarding the plans presented by the DOE at our meeting::

1. **Lack of DOE Fidelity and Basis for Re-Certification of WIPP Operations -** The EPA recently recertified that WIPP is in compliance with its permit to operate (FR Vol 82, No. 137, July 19, 2017). This determination was based on the latest Compliance Recertification Application (CRA) submitted by the DOE in March of 2014. However, the CRA issued by the DOE in 2014 did not include significant changes to the source term for TRU waste planned for WIPP. The DOE (CRA) omitted:
    - Transportation of 40 tons of blended Pu^{239} in +/- 5000 truck shipments from South Carolina to New Mexico
    - Deposition of surplus Pu^{239} in a TRU repository
    - The planned tripling of the fissile inventory at WIPP
    - The planned increase in fissile concentration by two orders of magnitude
    - The proposed use of an unapproved waste container (CCOs)
    - Shipment of "Special Nuclear Material" to a facility without an enhanced security program

    In April of 2016 the DOE issued a Record of Decision (ROD) outlining their plan to send 6 metric tons of surplus non-pit plutonium to WIPP for disposition (FR Vol. 81, No. 65, April 5, 2016). The environmental impacts of this decision were documented in a Final Environmental Impact Statement Supplement (DOE/EIS-0283-S2) issued in April of 2015. The recent decision by DOE, having announced an intention to terminate the MOX Fuel Fabrication Facility (MFFF) would send an additional 34 metric tons of surplus weapons grade plutonium to WIPP.

We would like to bring four important facts of concern to your attention.

1. The original source term for WIPP included 21.1 metric tons of Fission Gram Equivalent (FGE) Pu^{239}. With the actions planned by the DOE, they are proposing to place an additional 40 metric tons of pure Pu^{239} in WIPP.
2. The final EIS that supports the ROD (DOE/EIS-0283-S2) contains no assessment of the impact on WIPP of the proposed action; the EIS only considered the impacts of preparing the Special Nuclear Material (SNM) for shipment to WIPP. There is no assessment of the impact on WIPP of terminating the MOX project and delivering an additional 34 metric tons of Pu^{239} to WIPP.
3. At the time of the submittal of the CRA to the EPA in 2014, DOE was aware of the plans to make a major increase in the fissile inventory at WIPP, yet their CRA contains no mention of this intention.
4. With the termination of the MOX project, the DOE has no other disposition pathway for their surplus weapons plutonium other than emplacement at WIPP. This likely represents an unanalyzed additional increase in the fissile inventory to WIPP beyond the 40 metric tons.

We find it alarming that the DOE may have neither thoroughly examined the safety and acceptability of these changes, nor, to our knowledge, undertaken any effort to inform the EPA by means of a supplemental EIS for WIPP or an official notification via the CRA.

2. DOE Inconsistencies, Departures from Original WIPP EM Mission, and Unaddressed Safety Concerns

There are several critical technical, regulatory, policy, and public safety issues associated with D&D of surplus plutonium at WIPP that do not appear to have been addressed by the DOE and need to be identified as outlined below. These include:

- There are inconsistencies in the Environmental Assessments (EA) being used by DOE. WIPP has an EA which assesses a 10,000 year life model for its contents. The Yucca Mountain project, a facility designed for disposing high level waste like surplus plutonium is based on 1,000,000 years for its EA model. We find this disparity very troubling.
- According to the GAO's findings (GAO-17-390 Report issued in September 2017), WIPP does not have adequate capacity to receive the anticipated total volume of waste currently scheduled for deposition at WIPP. The addition of the weapons grade plutonium from Savannah River will require an expansion of the facility. It is baffling that the DOE has not recognized its own data.

- According to statements by former Governor of New Mexico and U.S. Secretary of Energy, Bill Richardson, WIPP was never intended to be a depository for weapons grade plutonium. With respect to the disposition of plutonium, he stated, *"This is not a good idea for a variety of reasons, but mainly that WIPP is not suitable to be a high level waste dump … WIPP opened 16 years ago with my approval as Secretary of Energy, but only to accept low-level defense "transuranic waste", or TRU, which is mainly contaminated gloves, tools, rags, assorted machinery and sludge."*
  If NNSA were to proceed with this D&D program, WIPP would become the third largest concentration of weapons grade plutonium in the world, exceeded only by the nuclear stockpiles of Russia and the United States and, according to our information, will be stored without safeguards level security. It is unprecedented that US policy based on a decade of research, international agreements and Record of Decision has been unilaterally overturned in this manner.

- Essential criticality studies and safety evaluations have not been performed. Both Texas A&M University and Studsvik Scandpower (recognized world leaders in criticality studies) have reports identifying that there is a significant possibility of a criticality occurring under the NNSA planned D&D of surplus plutonium at WIPP. That the NNSA has characterized these reports as simplistic and non-credible is alarming.

- The closure of the MOX project and implementation of the D&D program at WIPP, will result in the need to transport weapons grade plutonium using more than 5,000 truckload shipments across the United States from Savannah River to WIPP. This new condition has not been included in any EA to our knowledge.

3. Flawed DOE Decision and Possible Violation of NEPA Requirements

The DOE's plans to terminate the MOX Project and dispose weapons grade plutonium at WIPP represents a possible serious breakdown in the obligation and responsibility of the DOE to comply with federal regulations to ensure the protection of public safety and the environment from the consequences of a significant federal decision to execute these plans. The DOE clearly intends to expand, without due process, the original licensed mission of WIPP from a repository of environmental management (EM) legacy TRU wastes resulting from the cleanup of the weapons complex to a repository for surplus weapons grade plutonium disposition. We have discovered no public domain record of the DOE informing the EPA of this intention. In the absence of information to the contrary, we conclude that DOE has neglected to inform and include the EPA in their intentions. Independent assessments of this DOE plan performed from 2015 to 2016 and in the public domain have raised serious concerns, as noted above, regarding nuclear criticality, safety and other

safeguards security concerns regarding this matter. The DOE has continued to reject any questions or criticism of this new approach. They apparently intend to proceed with this plan without any serious independent technical assessment or revised CRA that recognizes the significant increases in source term, fissile activity, and quantities of surplus weapons plutonium. It appears the DOE has failed to comply with NEPA requirements as we are unable to find documents showing they have notified the EPA of their plans. In the absence of a notification from the DOE, we believe your organization has not been able to enforce the prescribed process for such a draconian change to the permitted use of WIPP.

We believe that you should be aware of these facts and our conclusions and would welcome sharing more information with you.

In the meantime, we request your confirmation whether or not the EPA is in full agreement that the NNSA may proceed with their plans to utilize this proposed approach allowing WIPP to receive and dispose of this inventory of weapons grade plutonium and the NNSA has satisfied all of EPA's questions and concerns.

Very truly yours,

R. Lee

Rick Lee
Chairman
S.C. Governor's Nuclear Advisory Council

cc:
Governor Henry McMaster
Governor of the State of South Carolina

Assistant Secretary Anne Marie White
Assistant Secretary for Environmental Management
Office of the Under Secretary for Science
United States Department of Energy

Under Secretary Steven C. Erhart
Under Secretary for Nuclear Security and Administrator of the NNSA
Office of the Under Secretary for Nuclear Security
Administrator for National Nuclear Security Administration
United States Department of Energy

Governor Susana Martinez
Office of the Governor of the State of New Mexico

Secretary Butch Tongate

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NMED Cabinet Secretary
State of New Mexico

Bureau Chief John Kieling
Hazardous Waste Bureau Chief
New Mexico Environmental Department

Deputy Secretary J.C. Borrego
Division Director Resource Protection
State of New Mexico

External Referral - Referred to The Department of Defense for Review and Processing

Message

From: Mike Paque [mpaque@gwpc.org]
Sent: 3/14/2019 10:49:21 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Lori Wrotenbery [lwrotenbery@iogcc.state.ok.us]
Subject: Letter to Administrator Wheeler re: RCRA Subtitle D Consent Decree
Attachments: 20190314153008298.pdf

Ryan Jackson
Chief of Staff
Office of the Administrator
USEPA

Ryan, the attached letter to Administrator Wheeler was mailed and sent via Fed Ex yesterday. It outlines how the State Oil and Gas Regulatory Exchange (SOGRE) believes it can be uniquely helpful working with the Office of Land and Emergency Management, and specifically, the Office of Resource Conservation and Recovery, in their required assessment of state oil and gas programs. SOGRE (The Exchange) is a partnership between the Ground Water Protection Council and the Interstate Oil and Gas Compact Commission, both of which are national associations headquartered in Oklahoma City.

We would truly appreciate the opportunity to talk to you about how the Exchange can benefit both the RCRA Office and the states by providing information on how the state oil and gas agencies are making continuous regulatory improvements that protect the environment, serve the public, and enable the oil and gas industry to operate efficiently.

We look forward to hearing from you.

Best Regards,

Mike Paque
Executive Director
Ground Water Protection Council (GWPC)
Ex. 6

Lori Wrotenbery
Executive Director
Interstate Oil and Gas Compact Commission (IOGCC)
Ex. 6

Interstate Oil & Gas Compact Commission
Phone: 405.522.8380
P.O. Box 53127, Oklahoma City, OK 73152

Ground Water Protection Council
Ex. 6
13308 N. MacArthur Blvd., Oklahoma City, OK 73142

March 13, 2019

The Honorable Andrew Wheeler
Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Ave, NW
Washington, D.C. 20460

Re: Consent Decree, *Environmental Integrity Project, et al. v. McCarthy*, Case No. 1:16-cv-00842-JDB (D.D.C. filed Dec. 28, 2016)

Dear Administrator Wheeler,

The Interstate Oil and Gas Compact Commission (IOGCC) and the Ground Water Protection Council (GWPC) have joined in partnership to support states in their ongoing processes of continuous regulatory improvement. This joint effort, called the State Oil and Gas Regulatory Exchange (the Exchange), assists state regulatory agencies in assessing and strengthening their regulatory programs for the environmentally sound development of their oil and gas resources.

The Exchange also provides a forum for states and the U.S. Environmental Protection Agency (EPA) to work cooperatively to address issues of mutual concern. One such issue is the proper management of oil and gas exploration and production wastes under Subtitle D of the Resource Conservation and Recovery Act (RCRA).

Today we are writing on behalf of the Exchange to again urge EPA to determine that additional RCRA Subtitle D regulation of oil and gas exploration and production wastes is not necessary. We are also offering to assemble the knowledge and experience of the Exchange participants and compile data and information necessary for EPA to make a sound determination. Following is a brief history of the issue to establish the basis for this offer.

In its 1988 regulatory determination, EPA stated that oil and gas exploration and production wastes pose no significant threat to public health or the environment when managed in accordance with existing federal and state programs. EPA further determined that these existing programs were generally adequate for oil and gas exploration and production wastes. Since EPA's 1988 regulatory determination, the states have acted promptly and proactively to amend their regulations to fill any gaps and address emerging issues, such as storage, transportation, and disposal of hydraulic fracturing wastes, management of naturally occurring radioactive materials, and recycling and reuse of drilling wastes and produced fluids.

In December 2016, the U.S. District Court for the District of Columbia issued a Consent Decree to settle a suit by several environmental organizations over the alleged failure by the EPA to

update its rules for management of oil and gas exploration and production wastes under RCRA Subtitle D. The settlement commits EPA to either propose revisions to the regulations or determine that it does not need to revise the regulations by March 15, 2019.

EPA need not revise the regulations for oil and gas exploration and production wastes under RCRA Subtitle D. Considering the long history of state leadership and the comprehensive state programs protecting human health and the environment, additional federal regulation is an unnecessary use of federal authorities and resources that is unlikely to solve the particular regulatory issues presented in various oil and gas producing regions. The states are better situated to quickly and carefully tailor their regulatory programs in response to the various operational developments and environmental challenges within their borders.

The Exchange is uniquely qualified to work cooperatively with EPA to better define and address oil and gas regulatory issues. Our past successes have included: the establishment of the FracFocus chemical disclosure registry; the publication of a primer on managing the risks of induced seismicity and a report on considerations in regulating underground gas storage; and the performance of regulatory consultations upon the request of individual states. These successes demonstrate our ability to focus the expertise and experience of our member states, federal affiliates, and other partners on creating solutions to complex regulatory issues.

Regarding Subtitle D, the Exchange proposes to assist EPA by compiling data and information on recent state actions to strengthen their regulatory programs. This compilation, to be updated annually, will document the continuous regulatory improvements demonstrated by the states in addressing waste management and other environmental concerns related to the development of oil and gas resources. It will be the most current, accurate, and comprehensive resource of its kind, and a resource otherwise unavailable to EPA.

We look forward to further discussions with you and your staff concerning this proposal and other potential cooperative efforts.

On behalf of the State Oil and Gas Regulatory Exchange:

Lori Wrotenbery

Lori Wrotenbery, Executive Director
Interstate Oil and Gas Compact Commission

M Paque

Mike Paque, Executive Director
Ground Water Protection Council

Message

From: Hayden, Lou - Luciano [lou.hayden@lowes.com]
Sent: 2/28/2018 4:10:31 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Hello - question when you have a moment

Hello Ryan –

I hope you've settled into a good groove at EPA. I have a quick question from our headquarters about an Energy Star recognition. If you have a spare moment, maybe we can talk. My cell is Ex. 6

With warm regards,

Lou

Lou Hayden
Head of Washington, DC Office
Lowe's Companies
300 New Jersey Avenue NW, Ste. 900
Washington, DC 20001
Ex. 6

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By transmitting documents via this email: Users, Customers, Suppliers and Vendors collectively acknowledge and agree the transmittal of information via email is voluntary, is offered as a convenience, and is not a secured method of communication; Not to transmit any payment information E.G. credit card, debit card, checking account, wire transfer information, passwords, or sensitive and personal information E.G. Driver's license, DOB, social security, or any other information the user wishes to remain confidential; To transmit only non-confidential information such as plans, pictures and drawings and to assume all risk and liability for and indemnify Lowe's from any claims, losses or damages that may arise from the transmittal of documents or including non-confidential information in the body of an email transmittal. Thank you.

Message

From: Vanessa Leiby [Vanessa@WWEMA.org]
Sent: 2/28/2018 8:43:18 PM
To: Pruitt, Scott [Pruitt.Scott@epa.gov]
CC: Flynn, Mike [Flynn.Mike@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]; Wooden-Aguilar, Helena [Wooden-Aguilar.Helena@epa.gov]
Subject: Invitation to be Keynote Speaker at WWEMA 45th Washington Forum, April 19, 2018 from 8:00 - 8:30 a.m. Gaylord National Resort and Convention Center, National Harbor, MD
Attachments: 2018 WF Preliminary Agenda.pdf

Importance: High

Good afternoon U.S. EPA Administrator Pruitt.

On behalf of the Water and Wastewater Equipment Manufacturers Association (WWEMA) Board of Directors, I would like to invite you to be the Keynote speaker at our upcoming WWEMA 45th Washington Forum, April 17-19, 2018 at the Gaylord National Resort and Convention Center, National Harbor, MD.

WWEMA, which was formed in 1908, represents water and wastewater technology manufacturers and service providers doing business here in the U.S. and abroad. This is our annual policy, regulatory, and legislative meeting that we hold in Washington, DC to hear from the decision-makers who impact technology, manufacturing, and business growth in the U.S. We will again be meeting this year in conjunction with the other major water groups meeting in DC for Water Week 2018 to "unite as one voice for water." Our attendees are Presidents, CEOs, and Senior Executives of environmental technology and service companies.

The theme for our meeting this year is *Effectively Communicating Change at the National, State, and Local Level.* Certainly there has been a lot of change under the new Administration, no more so than at EPA where the Agency is refocusing on its core mission and working with states under an expanded Cooperative Federalism approach. In many ways, our members are your direct constituents because EPA regulatory and enforcement actions have direct bearing on the opportunities and bottom line of our manufacturers.

We would welcome the opportunity to hear from you on the new direction of EPA and what that may mean for environmental technologies in the future. I have attached a copy of our preliminary program for your review. The session logistics is as follows:

WWEMA 45th Washington Forum
Gaylord National Harbor and Convention Center, National Harbor, MD

April 19, 2018
8:00 – 8:30 a.m.
Keynote Presentation
EPA Administrator Scott Pruitt

I look forward to speaking to you or your staff regarding your interest and availability to present at our meeting. More information about WWEMA can be found at www.wwema.org. Kind regards, Vanessa

Vanessa M. Leiby
Executive Director
Water and Wastewater Equipment Manufacturers Association

540 Fort Evans Road, #304
Leesburg, VA 20176-3379
Ex. 6
vanessa@wwema.org
www.wwema.org

MARK YOUR CALENDAR

45th Washington Forum
April 17-19, 2018
Gaylord National Resort and Convention Center (DC area)
National Harbor, MD 20745

F&CA Meeting
May 16-17, 2018
Barnes and Thornburg Law Offices
Indianapolis, IN 46203

110th Annual Meeting
November 7-9, 2018
Eau Palm Beach Resort & Spa
Manalapan (West Palm Beach), FL 33462

WWEMA

45th Washington Forum

April 17-19, 2018

Gaylord National Resort & Convention Center
National Harbor, MD

Water Week 2018

Preliminary Agenda

SCHEDULE OF EVENTS

TUESDAY, APRIL 17

8:00 a.m. - 5:00 p.m.
Registration

9:30 - 11:30 a.m.
Executive Committee Meeting

12:00 noon - 1:30 p.m.
Lunch on own

1:30 - 3:00 p.m.
Marketing & Member Services Committee Meeting *(All Members)*

3:30 - 5:00 p.m.
Legislative/Regulatory Committee Meeting *(All Members)*

5:30 - 7:00 p.m.
Welcome Reception

WEDNESDAY, APRIL 18

7:00 a.m. - 5:00 p.m.
Registration

7:00 - 8:00 a.m.
Breakfast Buffet *(All Attendees)*

7:00 - 8:00 a.m.
Manufacturers Rep. Council Breakfast

7:00 - 8:00 a.m.
New Member & First Time Attendees Breakfast

8:00 a.m. - 12:00 noon
General Session

12:00 noon - 1:30 p.m.
Networking Lunch

1:30 - 4:30 p.m.
General Session

5:30 - 7:00 p.m.
Water Associations' Networking Event & Congressional Reception
Library of Congress

THURSDAY, APRIL 19

7:00 a.m. - 12:00 noon
Registration

7:00 - 8:00 a.m.
Breakfast Buffet *(All Attendees)*

8:00 a.m. - 12:00 noon
General Session

12:00 noon
Meeting Adjourns

12:00 noon - 3:00 p.m.
Board Lunch and Meeting

Preliminary Agenda

This year's 45th WWEMA Washington Forum will be held April 17-19, 2018 at the Gaylord National Resort & Convention Center at National Harbor, MD. The theme for this year's meeting is *Effectively Communicating Change at the National, State, and Local Level*. The meeting, which will be chaired by Mike Dimitriou, President, WRT LLC, will highlight the many changes happening in Washington, DC and throughout the country with regard to water infrastructure, environmental and public health protection, and the legislative and regulatory changes that will impact the water sector in the coming years. Once again this year, WWEMA will be meeting with the other water associations to celebrate Water Week 2018 and unite in "one voice for water." In addition to an exciting line-up of sessions and speakers, a not-to-miss reception is planned for all the water groups at the Library of Congress for a special evening of networking and social interaction.

Wednesday, April 18

7:00 - 8:00 a.m.
Breakfast Buffet (All Attendees)
Manufacturer Reps Council Breakfast (Manufacturer Reps)

8:00 - 8:30 a.m.
Welcome and Announcements
Michael Dimitriou, Washington Forum Program Chair, WRT LLC

8:30 - 9:30 a.m.
Brown Sugar: Rockin' the Economic Data
Anirban Basu, Chairman & Chief Executive Officer, Sage Policy Group, Inc.
Mr. Basu will provide an analysis of global, national, and regional economies using the most up-to-date data available with a focus on the performance of financial, labor, real estate, and water markets. His enthusiastic and engaging presentation style brings the economy to life as he talks about how the new Administration's policies and initiatives may impact short- and long-term business for water and wastewater technologies.

9:30 - 10:30 a.m.
The Changing Face and Direction of EPA
Peter Grevatt, Director, U.S. EPA Office of Ground Water and Drinking Water
Andrew Sawyers, Director, U.S. EPA Office of Wastewater Management
Deborah Nagle, Director, U.S. EPA Office of Science and Technology
Loren Denton, Acting Associate Director, Water Enforcement Division, U.S. EPA, Office of Enforcement and Compliance Assurance
It has been a busy year for the new Administration and changes are being felt at EPA as budgets are cut and the Agency refocuses on its "core mission." Administration policies such as regulatory streamlining and reform and net zero regulatory costs will have a decided impact on the regulatory environment going forward. Our presenters will outline the priorities for each of their offices and discuss what impacts the changes will have on regulatory and enforcement priorities and what that may mean for technology manufacturers.

10:30 - 11:00 a.m.
Break

11:00 a.m. - 12:00 noon
The Evolving Role of States and EPA Under an Expanded Cooperative Federalism Approach
Alan Roberson, Executive Director, Association of State Drinking Water Administrators
Julia Anastasio, Executive Director & General Counsel, Association of Clean Water Administrators
Carolyn Hanson, Acting Executive Director, Environmental Council of the States
David Ross, Assistant Administrator, U.S. EPA Office of Water *(Invited)*
Both states and EPA are redefining their roles in environmental and public health protection. The Environmental Council of the States recently drafted a paper on *Cooperative Federalism* from the state perspective and EPA is now focusing on *Cooperative Federalism* as one of its primary pillars as reflected in recent budget and strategic planning documents. We are hearing more and more of states and even municipalities deciding to regulate contaminants on their own. This session will discuss the evolving vision of the new state/EPA working relationship and what it means for environmental regulation and oversight in the future.

12:00 noon - 1:30 p.m.
Networking Lunch

1:30 - 2:00 p.m.
The State of the First Amendment – Is the Role of the Press in Effectively Communicating News Being Eroded?
Gene Policinski, President & Chief Operating Officer, Newseum Institute
This past year has been difficult for the press, particularly main stream media, who have been barred from White House briefings, labeled as "fake news" organizations, and individuals personally attacked. Bias, unfair news coverage, and "fake news" are certainly in the eyes of the beholder but it does beg the question – what is the role of the press and media in reporting on events and news and is the First Amendment, which guarantees freedom of speech and the press, under attack? This engaging and provocative presentation by Gene Policinski of the Newseum, which is dedicated to ensuring that the five freedoms of the First Amendment remain strong and protected both for today and for future generations, will offer insights on the role of media and how it can and should effectively communicate and educate us about the stories and events of the day.

2:00 - 3:00 p.m.
Affordability of Water Services – Developing a New Framework
Michele Nellenbach, Director of Strategic Initiatives & Governors' Council, Bipartisan Policy Center
Ken Ryder, National Academy of Public Administration
Scott Berry, Director of Policy and Government Affairs, US Water Alliance *(Moderator and Presenter)*
Affordability has been a critical point of discussion over the last several years as water and wastewater utilities struggle to fund infrastructure upgrades and ensure that all users can afford to pay for services. Affordability concerns affect small rural areas as well as large metropolitan areas with pockets of low-income people or where population migration has left an oversized infrastructure with an inadequate rate base. Three organizations have recently published reports on water affordability. We will hear from Michele Nellenbach from the Bipartisan Policy Center on the report titled *Safeguarding Water Affordability* that looks at the magnitude of investment needed for aging infrastructure, the basic human need for clean and safe water, the lack of effective asset management and sustainable business models, and the opportunity for partnerships with the private sector to help meet these needs. The National Academy of Public Administration recently prepared a report for the U.S. Environmental Protection Agency titled *Developing a New Framework for Community Affordability of Clean Water Services.* The report, which was mandated by the Senate Appropriations Committee, looks at revising a 1997 guidance document on financial capability assessment, highlights best practices in integrated planning, identifies innovative solutions to further address affordability by lowering costs, and discusses the best approaches to analyzing costs and benefits. Recommendations from the report will be provided. We will also hear from Mr. Berry on a recently released report from the US Water Alliance.

3:00 - 3:30 p.m.
Break

3:30 - 4:00 p.m.
An Overview of the Operational Mechanics of Congress and the Outlook for Infrastructure
Bob Carr, Senior Advisor, Brookings Executive Education, GSPM Fellow & Adjunct Professor at The George Washington University
Mr. Carr for 18 years was a member of Congress (D-MI) where he chaired the House Transportation Appropriations Subcommittee. He is a subject matter expert in the area of governance, Congressional ethics, transportation, infrastructure, comparative politics, and political risk. He will provide attendees with insights about how Congress operates and the outlook for passing infrastructure legislation in the coming year.

4:00 - 4:15 p.m.
Enhancing Communication and Outreach through the New WWEMA Website
Vanessa Leiby, Executive Director, WWEMA
Ms. Leiby will provide a brief introduction to the new WWEMA website, highlighting enhanced communication's opportunities, and detailing how it provides a platform to showcase member products and services.

4:15 p.m.
Adjourn

4:30 p.m.
Board buses for networking and Congressional reception at the Library of Congress. Transportation will be provided for the return trip as well.

5:30 - 7:00 p.m.
Networking and Congressional Reception at the Library of Congress
Come celebrate Water Week 2018 with a networking and Congressional reception at the Library of Congress. Enjoy a relaxed social event with members from AWWA, WEF, AMWA, NACWA, WateReuse, the US Water Alliance, the Water Research Foundation, and members of Congress as we celebrate water and promote funding and programs for infrastructure improvements.

Thursday, April 19

7:00 - 8:00 a.m.
Breakfast Buffet *(All Attendees)*

8:00 - 8:30 a.m.
Keynote Presentation
Scott Pruitt, Administrator, U.S. EPA *(Invited)*

8:30 - 9:00 a.m.
Priorities of a Consolidated Water Research Foundation and How Technology Providers can be Involved
Rob Renner & Melissa Meeker, Co-Chief Executive Officers, Water Research Foundation
The Boards of the Water Environment & Reuse Foundation (WE&RF) and the Water Research Foundation (WRF) unanimously agreed to integrate the two organization beginning January 1, 2018 thus creating one research organization for the water sector. The new organization now known as "The Water Research Foundation" has approximately 1,200 subscribers, 2,300 research studies, and a $700 million portfolio. Where once there were three separate research organizations, there is now one. The benefits include leveraging funding more successfully, sharing a greater knowledge base, and more efficiently communicating new results and research needs with Federal and state regulators. This consolidation provides a better opportunity for technology providers who operate across all segments of the water sector to participate in a consolidated and prioritized research agenda. Rob and Melissa will be discussing the status of the merger and how technology providers can play a larger role in research going forward.

9:00 - 9:30 a.m.
The Expanding Role and Impact of the Department of Commerce on Business in the Water Sector
Ian Steff, Deputy Assistant Secretary for Manufacturing, U.S. Dept. of Commerce International Trade Administration *(Invited)*
The Department of Commerce is charged with promoting U.S. manufacturing and exports at home and abroad and has assumed an expanding role under the new Administration. Mr. Steff will discuss a number of on-going and new initiatives including the

potential new role for Commerce in the President's Infrastructure Plan, increased action on countervailing and anti-dumping filings, the status of NAFTA, the new export solutions toolkit, trade promotion and reducing trade barriers, and ramifications of the Section 232 analysis and recommendations.

9:30 - 10:00 a.m.
Break

10:00 - 10:30 a.m.
Thinking Outside the Box - The Administration's Infrastructure Plan
Michael Patella, Senior Advisor, White House Council on Environmental Quality *(Invited)*
The White House recently released its *Legislative Outline for Rebuilding Infrastructure in America* to guide Congress as it shapes new infrastructure legislation. The plan supports and builds on current successful water funding programs such as the State Revolving Loan Fund (SRF) and the Water Infrastructure Finance and Innovation Act (WIFIA) program by recommending new "business-oriented" approaches that provides incentives to maximize investments, modernizing project delivery practices, increasing accountability, and bringing new non-federal revenue streams to the table. Support for rural infrastructure investment and funding for bold, innovative, and transformative infrastructure projects are also included in the plan. Mr. Patella, a senior advisor on the water-related pieces of the plan, will present the White House perspective on how infrastructure and infrastructure funding can be improved using a 21st century approach.

10:30 - 11:00 a.m.
The Potential Role for P3s in Water Infrastructure Investment
Stephen J. Auton-Smith, Managing Director, Infrastructure Advisory, Ernst & Young Infrastructure Advisors LLC *(Invited)*
The Administration's Infrastructure Plan calls for up to 80 percent of the funding to come from private equity, state, and local investment. One option for leveraging private funding is the creation of public private partnerships (P3s). While more common outside of the U.S., there are growing examples of where such partnerships in the U.S. have resulted in successful project funding and implementation with project risks being borne by the appropriate party throughout the process. Mr. Auton-Smith will provide an overview of P3s in the U.S. water infrastructure sector along with a number of case studies and lessons learned. He will also address what governors' offices can do to help promote the use of this type of partnership.

11:00 - 11:30 a.m.
Utility Assistance Partnerships – the Wave of the Future?
Eric Emmerich, Business Development Coordinator, EJ Water Cooperative, Inc. *(Invited)*
Encouraging partnerships and removing investment barriers has been a point of significant discussion with regard to infrastructure legislation with particular emphasis on increasing financial resources and operational expertise available to small and mid-size systems by offering more financial incentives, providing a regulatory safe harbor, and improving compliance and operational scale. Located in Dieterich, Illinois, EJ Water Cooperative Inc. has developed into a multi-county regional water system since being incorporated in 1989. It is one of the fastest growing water systems in the state reaching out to unserved surrounding areas. Eric will discuss the types of partnerships and assistance EJ Water is providing and present this model for how other water systems can support surrounding systems that lack capacity or financial capability.

11:30 - 12:00 noon
What Will Changes in the Tax Law Mean for Your Business?
TBA
Manufacturing companies have developed operational models to take best advantage of tax laws and IRS requirements. Those models, however, may be significantly impacted by the recent changes to the U.S. tax code. Businesses are scrambling to understand the implications and to learn if and how they may need to restructure or change operating practices to meet the new requirements. Tax experts have been following these issues closely and will provide a broad overview of potential impacts and changes affecting water and wastewater manufacturers.

12:00 noon
Meeting Adjourns

12:00 - 3:00 p.m.
WWEMA Board Lunch and Board Meeting

Water Week 2018
April 15-21, 2018

Water Sector Unites to Elevate Water as a National Priority
Moving into the second year of the Trump Administration, the effort to elevate water and water infrastructure as a national priority has reached a critical stage. While the preservation of tax-exempt municipal bonds in the recent tax reform package is a great victory and positive sign for water, the elimination of advance refunding is a red flag that water sector advocates must redouble their efforts to educate policymakers about the importance of water infrastructure funding.

The nation's most important natural resource must gain even more ground in 2018, and all who care about water can help make that happen. Together, the unified voice for water embodied by ***Water Week 2018*** is more critical now than ever before.

During the week of April 15 - 21, 2018, water sector organizations, with members spanning every region of the country will gather in Washington, DC and across the country, for *Water Week 2018*. They will come together to advocate for national policies that advance clean, safe, and affordable water for all, supporting their respective communities and a healthy sustainable environment. *Water Week 2018* will communicate the value of water to environmental protection, to economic development and to job creation – and inspire action.

More information about Water Week 2018 Events can be found at https://www.waterweek.us.

Cooperating Organizations:

American Water Works Association
Association of Metropolitan Water Agencies
National Association of Clean Water Agencies
US Water Alliance
WateReuse
Water Research Foundation
Water Environment Federation
Water & Wastewater Equipment Manufacturers Association

Thank You Sponsors!

GOLD

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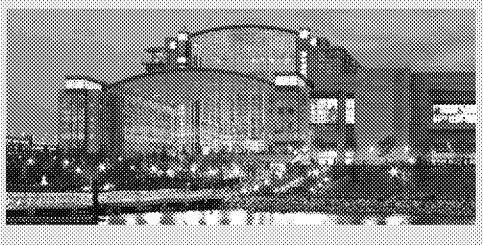
WRT

WATER REMEDIATION TECHNOLOGY, LLC.

HOTEL REGISTRATION



The WWEMA 45th Washington Forum will be held April 17-19, 2018 at Gaylord National Resort & Convention Center, 201 Waterfront Street, National Harbor, MD 20745. WWEMA has secured a sleeping room rate of $265 per night plus tax. To obtain this special group rate, rooms must be booked by ***March 26, 2018.***

HOTEL ROOM RESERVATIONS:

Go directly to the Gaylord National Resort & Convention Center website ***WWEMA 2018 WASHINGTON FORUM****, or call the reservation line at (866) 238-8235. Indicate you are attending the WWEMA 2018 Meeting.*

REGISTRATION INFORMATION:

Go to www.regonline.com/2018washingtonforum_1931732 After the first company registrant, the registration fee is discounted $100 for each additional attendee from your company. Also as part of WWEMA's outreach initiative, every young professional or new entrant from your company can attend at a discounted rate of $475 with a full paying registrant.

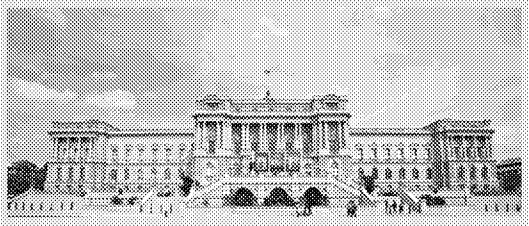
Mark Your Calendar Now

Finance & Contract Administration Council Meeting
May 16-17, 2018
Barnes and Thornburg Law Offices
Indianapolis, IN

Presidents Council
September 11, 2018
Hilton Chicago O'Hare Airport
Chicago, IL

110th Annual Meeting
November 7-9, 2018
Eau Palm Beach Resort & Spa
Manalapan (West Palm Beach), FL

WATER ASSOCIATIONS' NETWORKING EVENT & CONGRESSIONAL RECEPTION



LIBRARY OF CONGRESS

WWEMA meeting attendees will join with numerous other water associations during Water Week 2018 to provide opportunities for collaboration and to unite as "one voice for water." One of these opportunities is a Networking Reception being held April 18 in the Montpelier Room of the Library of Congress. This evening will provide an opportunity for networking with your water colleagues and congressmen who will all be in DC this week for Water Week 2018 events.

Buses will leave the hotel at 4:30 p.m. sharp and return WWEMA attendees back to the Gaylord National Resort & Convention Center at 7:00 p.m. Attendance at this event is included in your registration fee and all are strongly encouraged to attend.

WWEMA 45th WASHINGTON FORUM

REGISTRATION (NOTE: Online registration is available at www.wwema.org/washingtonforum.php)

CONTACT INFORMATION (Please make copies of this form for additional registrants.)

Full Name: _____ **First Name (for badge)** _____

Title: _____

Company: _____

Street Address: _____

City: _____ **State:** _____ **Zip Code:** _____

Phone: _____ **Email:** _____

REGISTRATION FEE/ PAYMENT INFORMATION

		Quantity	Amount
WWEMA Member - First Registrant (on or before 3/1/18)	**$875**	_____	_____
WWEMA Member - First Registrant (after 3/1/18)	**$900**	_____	_____
WWEMA Member - Additional Registrant(s) (on or before 3/1/18)	**$775**	_____	_____
WWEMA Member - Additional Registrant(s) (after 3/1/18)	**$800**	_____	_____
WWEMA Member - Young Professional/New Entrant	**$475**	_____	_____
Gold Card Registrant (requires code)*	**$0**	_____	_____
Non-Member Registrant**	**$1,250**	_____	_____

SPONSORSHIPS (please circle one)

				Quantity	Amount
Platinum ($1,500)	**Gold** ($1,000)	**Silver** ($750)	**Bronze** ($500)	_____	_____

TOTAL AMOUNT DUE _____

PAYMENT

☐ **Check** (please contact WWEMA) ☐ **Credit card** (please circle one) ***MasterCard*** ***Visa*** ***AmEx***

Name on card: _____

Card number: _____

Expires: _____ **Security ID #:** _____

Billing address for card: _____

CANCELLATION POLICY:

A full refund of all Washington Forum registration fees (less an $85 processing fee) will be issued on all cancellations received by March 1, 2018. Thereafter, a 50% refund will be issued on cancellations received by March 26, 2018. No refund will be issued for cancellations made after March 26, 2018.

***GOLD CARD RECIPIENT:**

Individuals who have received a Gold Card should contact WWEMA at (703) 444-1777 or Robert Pignato at robert@wwema.org to receive the required code.

****NON-MEMBER ATTENDANCE POLICY:**

Attendance at the Washington Forum is available to non-members one-time only. If you or someone from your company has attended the Washington Forum previously, you must join WWEMA to be eligible to register. For membership information, please call (703) 444-1777.

WWEMA

Send form with payment to:
WWEMA
540 Fort Evans Road, Suite 304
Leesburg, VA 20176-3379

Via email to: ***anita@wwema.org***
Or register online at:
www.wwema.org/washingtonforum.php
Questions? Call (703) 444-1777

Message

From: Jack Victory [jvictory@capitolhillcg.com]
Sent: 3/13/2018 11:49:55 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: this is what I was hoping to talk to you about

Thank you.

Jack Victory
Chief Executive Officer

Capitol Hill Consulting Group
Government Relations Professionals
499 S. Capitol Street, SW
Suite 608
Washington, DC 20003

Ex. 6

Web: capitolhillcg.com

facebook.com/capitolhillcg
twitter.com/capitolhillcg

On Mar 13, 2018, at 7:28 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

Got it. Let me see what I can do.

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

On Mar 13, 2018, at 7:09 PM, Jack Victory <jvictory@capitolhillcg.com> wrote:

Hey was hoping you all could weigh in and support the biomass provision in the FY 18 Omni Bill. The provision is currently in both the Senate and House FY18 Interior bills and is the same provision that was included in the FY17 omnibus (originally the Senate Energy bill language), with the addition of a clause – *"For fiscal year 2018 and each fiscal year thereafter"* - to make the provision permanent so it doesn't have to be

carried again in future appropriations bills. Any help you can provide would be greatly appreciated.

Let me know if you have any questions? Many thanks

Jack Victory
Chief Executive Officer
<image002.jpg>
Capitol Hill Consulting Group
Government Relations Professionals
499 S. Capitol Street, SW
Suite 608
Washington, DC 20003

Ex. 6

Web: capitolhillcg.com

<image004.jpg> <image006.jpg>

Message

From: Kunsman, Dan (Barrasso) [Dan_Kunsman@Barrasso.senate.gov]
Sent: 2/28/2018 8:43:13 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: FW: Pruitt Invite
Attachments: 180123 Pruitt Invite.pdf

Ryan – I promised our Wyoming Mining Association that I would pass this invitation up to you and your team.

Hope you are well. Thanks for all your help with future trip.

Dan

U.S. Senator John Barrasso
Chairman, Senate Republican Policy Committee
Tel: 202-224-0809 Ex. 6

Dan Kunsman
Staff Director

From: Travis Deti [mailto:tdeti@wyomingmining.org]
Sent: Tuesday, February 27, 2018 11:27 AM
To: Kunsman, Dan (Barrasso) <Dan_Kunsman@Barrasso.senate.gov>
Subject: RE: Pruitt Invite

Good morning, Dan.

I sent the invite to Christian below but it has come back to me twice. I know you've passed along and I've been trying to follow up with him to confirm receipt, but can't seem to get through.

I'm trying to get a response one way or another for planning purposes. Any assistance on your end would be appreciated!

Thanks,
TD

Travis Deti
Executive Director
Wyoming Mining Association
1401 Airport Parkway, Suite 230
Cheyenne, Wyoming 82001
Ex. 6
tdeti@wyomingmining.org
www.wyomingmining.org

From: Kunsman, Dan (Barrasso) [mailto:Dan_Kunsman@Barrasso.senate.gov]
Sent: Friday, January 26, 2018 7:21 AM
To: Travis Deti <tdeti@wyomingmining.org>
Subject: RE: Pruitt Invite

Travis – send the invite to Palich.Christian@epa.com.

You might remember him as the former president of the Ohio Coal Association.

We also forwarded to the Administrator's office.

d

U.S. Senator John Barrasso
Chairman, Senate Republican Policy Committee
Tel: 202-224-0809 Ex. 6

Dan Kunsman
Staff Director

From: Travis Deti [mailto:tdeti@wyomingmining.org]
Sent: Wednesday, January 24, 2018 11:48 AM
To: Kunsman, Dan (Barrasso) <Dan_Kunsman@Barrasso.senate.gov>
Subject: Pruitt Invite

Hi Dan…

Thanks for your time yesterday and your help. Attached please find the invitation to Administrator Pruitt for your review and input.

If you could send me contact info for his chief of staff, I'll get it out to him. If you also have a recommended email for Senator Enzi you could share, that would be helpful, as well…I already have JB's. Additionally, do you think I should loop in Rep. Cheney, as well? Please advise.

Again, thanks for your help, and please don't hesitate to contact me with questions or concerns as we move forward!

Cheers,
TD

Travis Deti
Executive Director
Wyoming Mining Association
1401 Airport Parkway, Suite 230
Cheyenne, Wyoming 82001
Ex. 6
tdeti@wyomingmining.org
www.wyomingmining.org

WYOMING MINING ASSOCIATION
1401 Airport Parkway, Ste. 230 - Cheyenne, WY 82001 - Ex. 6

January 23, 2018

The Honorable Scott Pruitt
Administrator
US Environmental Protection Agency
Mail Code 1101A
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Dear Administrator Pruitt,

On behalf of the membership of the Wyoming Mining Association (WMA), I would like to invite you to give the closing address at WMA's annual convention following our Safety/ Reclamation Awards luncheon on **Friday, June 8, 2018 at 1:00pm at the Snow King Resort in Jackson, Wyoming**.

WMA represents and advocates for 26 mining company members producing bentonite, coal, trona (natural soda ash) and uranium. Wyoming is the nation's leader in production of all of these. WMA also represents 120 associate member companies, one railroad, one electricity co-op, and 200 individual members.

The theme of this year's convention is, "Wyoming Mining in a New Environment." As the regulated community, WMA membership would appreciate your perspective and insight on the new direction of the US Environmental Protection Agency and the challenges and opportunities you are addressing. The audience will be comprised of mining company operators from around Wyoming, as well as representatives from our service and supply company members. We also host a number of state legislators, regulators and other elected officials in attendance.

The WMA convention will begin on Wednesday, June 6 with our golf tournament at the Teton Pines Golf Course, followed by drinks and heavy hors-d'oeuvres hosted by the Mining Associates of Wyoming. On Thursday, June 7 the general session of the convention will convene at 8am to hear from a variety of speakers. The annual WMA President's Lunch will follow upon conclusion of the session at noon. On Thursday evening the convention will hold its annual banquet for all attendees at 6:00pm. On Friday, June 8 the Safety and Reclamation portion of the event will convene at 9am and conclude after our Safety/ Reclamation Awards luncheon. You are invited to attend any portion of the event as our guest. Our members would certainly enjoy your participation.

You or your staff may follow up with me directly at Ex. 6 or tdeti@wyomingmining.org.

Thank you for your kind consideration, and I hope this finds you well.

Best regards,

Travis Deti
Executive Director

ED_002480_00089220-00001

Message

From: Bobby Stem [bobby@cgok.com]
Sent: 2/23/2018 3:02:43 PM
To: Fine, Steven [fine.steven@epa.gov]
CC: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Introductions

Absolutely sir. You tell me a time and I will be ready. I can call OR be ready when you call me sir.

Bobby

> On Feb 23, 2018, at 9:00 AM, Fine, Steven <fine.steven@epa.gov> wrote:
>
> Ryan, thanks for the introduction.
>
> Bobby, I'd be happy to talk. Would sometime between 10:45 and 12:00 CST today be convenient for you? If not, we'll find some time next week.
>
> --
>
> Steve Fine, Ph.D.
> Principal Deputy Assistant Administrator
> and Deputy Chief Information Officer
> Office of Environmental Information
> U.S. Environmental Protection Agency
> fine.steven@epa.gov
> 202-564-6665
>
>
>
> -----Original Message-----
> From: Bobby Stem [mailto:bobby@cgok.com]
> Sent: Friday, February 23, 2018 9:37 AM
> To: Jackson, Ryan <jackson.ryan@epa.gov>
> Cc: Fine, Steven <fine.steven@epa.gov>
> Subject: Re: Introductions
>
> Ryan- thanks SO much for the introduction!
>
> Mr. FIne- Is there any way you and I could visit on the phone for 3 min sometime soon regarding some software ODOT is using.
>
> Thanks all.
>
> Be safe !
>
> Bobby Stem
> Ex. 6
>
>
>
>> On Feb 23, 2018, at 8:33 AM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:
>>
>> Steve, Bobby Stem is with the Oklahoma Department of Transportation and would like to schedule a time to meet with you when they are in DC in March. I wanted to make the introductions so you could figure out the scheduling.
>>
>>
>>
>>
>>
>>
>>
>> Ryan Jackson
>> Chief of Staff
>> U.S. EPA
>> Ex. 6
>>
>

Message

From: Christopher Leahy [christopher.leahy@bayer.com]
Sent: 2/22/2018 3:24:38 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Hello Ryan

Hey Ryan,

Hope you're doing well. Wanted to see if we could visit for a few minutes that would be most convenient - by phone or in person? My cell is Ex. 6

Saw Andrew a few weeks back.

Take care,

Chris

Christopher Leahy, Esq.
Vice President
Head of Government Relations and Public Policy

Bayer: Science For A Better Life

Bayer Corporation
Bayer Corp-CGR-USGR
Government Relations and Policy
801 Pennsylvania Ave., NW
Suite 745
Washington, DC 20004 USA
Tel: Ex. 6
E-mail: christopher.leahy@bayer.com

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Message

From: Fugh, Justina [Fugh.Justina@epa.gov]
Sent: 3/9/2018 3:59:41 PM
To: William McIntosh [Ex. 6
CC: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: oh happy day!

Hi Chad,

Ex. 6

Ex. 6 I'll reflect that in the ethics agreement that I'm finishing up now. I will be sending my version to OGE in the next hour, and then they will review and offer any changes. Once I get that version back from them, I'll send it to you for review and eventual signature. I just talked to OGE, and they are on board with expedited review so that we can move smartly along in the preclearance process.
Justina

Justina Fugh | Senior Counsel for Ethics | Office of General Counsel | US EPA | Mail Code 2311A | Room 4308 North, William Jefferson Clinton Federal Building | Washington, DC 20460 (for ground deliveries, use 20004 for the zip code) | phone 202-564-1786 | fax 202-564-1772

Message

From: Tracy Mehan [tmehan@awwa.org]
Sent: 3/8/2018 8:26:56 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: FW: Long-Term Lead and Copper Rule Federalism Consultation (Docket ID No. EPA-HQ-OW-2018-0007)
Attachments: 2018 03 08 AWWA LT LCR EPA Federalism Comments.pdf

FYI.

GTM

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Sent: Thursday, March 08, 2018 3:08 PM
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Subject: Long-Term Lead and Copper Rule Federalism Consultation (Docket ID No. EPA-HQ-OW-2018-0007)

Good afternoon,

Thank you for providing the American Water Works Association the opportunity to participate in the Long-Term Lead and Copper Rule Federalism Consultation. AWWA's comments have been submitted to the docket and a copy is attached for your convenience. Please feel free to let us know if AWWA can be of additional assistance.

Best regards,
Steve Via

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March 8, 2018

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RE: Long-Term Lead and Copper Rule Federalism Consultation (Docket ID No. EPA-HQ-OW-2018-0007)

Dear Mr. Grevatt,

The American Water Works Association appreciates the opportunity to participate in the U.S. Environmental Protection Agency's 2018 federalism consultation on potential long-term revisions to the Lead and Copper Rule. The body of research and experience with lead has grown since the initial federalism consultation on Long-Term Lead and Copper Rule in 2011, and AWWA commends the Agency for its decision to undertake this second consultation.

The primary mission of community water systems is to protect the health of the people they serve. Revisions to the LT-LCR should advance strong customer protections today while we work for a future where lead is no longer in contact with the water we drink. Systems must provide this protection within the means provided by their communities and the constraints of what is operationally and financially feasible. AWWA recommends that the revised LT-LCR result in water systems engaging in:

1. **Development of an inventory of lead service lines**: The inventory should begin with an estimate of the number of lead service lines in each system's service area based on the information available and improve over time through ongoing water system operations, improved detection technology, and community engagement.

2. **Development of plans for the complete removal of lead service lines through a long-term, shared commitment** – Replacing remaining lead service lines is an important, societal undertaking and will require long-term commitments from many partners and a recognition of shared responsibility. Lead service line replacement strategies must consider other water and non-water improvements and customer affordability challenges. Locally developed programs, responsive to local circumstances, are essential. Communities will need to navigate numerous legal and implementation challenges that require time and resources in the face of competing demands.

3. **Application of process control to reduce corrosivity of water reaching customers' homes:** Corrosion control should be robust, and deviations from target conditions should trigger investigation and corrective steps.

4. **Public outreach on lead risk and lead risk mitigation:** Systems should actively and transparently communicate with their customers, particularly customers with lead service lines, about lead risks and steps households can take to evaluate and reduce lead in drinking water.

The proposed LT-LCR is more than a decade in preparation for at least two reasons. First, managing lead in water involves many challenging policy decisions. And second, the science is still evolving to support those decisions. Many of the issues utilities face, in particular how to control particulate lead release, remain poorly understood. Consequently, to move forward quickly, the LT-LCR revisions must focus on improvements to the current rule that provide cost-effective risk reduction with minimal risk of unintended consequences or misallocation of resources.

The LT-LCR revisions represent an opportunity for meaningful health risk reduction by further reducing lead materials in contact with drinking water, encouraging water systems to enhance current corrosion control practice, and bolstering ongoing public education on lead in drinking water. One of the significant developments since the 2011 federalism consultation was the National Drinking Water Advisory Council recommendations. The NDWAC recommendations provide a sound starting point for the LT-LCR revisions, though more recent information should also be considered. Key aspects of rule revisions that can be drawn from the NDWAC report in the near term include:

Individuals and communities need to be empowered to act – Blood lead levels in the U.S. population continue to decline. Still, communities need to better understand lead risks from all sources, including potential exposure from water. Individuals should be empowered to take effective steps to protect their households, and communities should seek to integrate lead risk reduction activities.

Fully removing all lead service lines will require a long-term, shared commitment – Neither individual homeowners nor water systems alone can remove lead service lines. Replacement is a shared responsibility among utilities, customers, government at all levels and other community partners. It will require a long-term commitment and policies to accelerate removal through opportunities such as property transfers. Communities will need to navigate numerous legal and implementation challenges that require time and resources in the face of competing demands. Customers and utilities will face affordability challenges. Locally developed programs, responsive to local circumstances, considering opportunities to reduce lead exposure from all sources, will be essential.

Corrosion control should be carefully evaluated, and if modified, changes should be based on system-specific information using sound process-control practices and system-specific studies -- Each system has specific local water quality and treatment characteristics, so the nation's water supplies are not amenable to a one-size-fits all approach to treatment selection. One thing that has become clear since the initial promulgation of the LCR is that unintended consequences of treatment changes can be catastrophic. The lesson of the successful implementation of the Long Term 2 Enhanced Surface Water Treatment Rule and revised Total Coliform Rule is that tailoring actions to the particulars of each local system yields public health protection at an appropriate cost. Ongoing process control for corrosion control should be robust and trigger investigation and corrective steps, by:

1. Integrating system-specific water quality parameter monitoring with other ongoing distribution system and water treatment process control monitoring.
2. Applying statistical process control strategies to ensure noncorrosive water reaches customers.
3. Flagging deviations from target water quality conditions for investigation and corrective actions.

Corrosion control is a practical, effective and long-term action available to reduce exposure to lead. AWWA encourages EPA to focus on providing utilities the tools, knowledge, and flexibility to select appropriate corrosion control practices for their individual local water quality and treatment characteristics.

The NDWAC recommendations were substantial, and it is not clear if EPA can propose a rule that addresses all of them by August 2018, the anticipated date for a proposal. NDWAC recommendations the Agency has not yet shown that it can complete in a timely manner include:

1. Identify a level of lead in drinking water of public health concern (i.e., NDWAC's proposed household action level).
2. Substantiate the benefit of revising the rule with respect to copper.
3. Identify corrosion control changes that will reduce lead levels further for systems already reliably below the action level while also not leading to undesirable unintended consequences.
4. Dramatically change the method in which tap samples are collected.

As EPA pointed out in its October 2016 white paper, the elements of the LCR are very intertwined. The information available to the public, including EPA's January 8 briefing, do not describe potential rule revision options. Consequently, it is not clear how EPA intends to maintain a balance between the rule elements.

AWWA appreciates the outreach EPA is undertaking to involve states and local government. Actual rule implementation and the burdens associated with it will fall in part on water systems, local communities and state regulators, and more importantly, on individual households. AWWA urges EPA to organize one or more stakeholder meetings that allow the experiences and concerns of advocates for impacted households to be better understood.

AWWA is fully committed to educating systems on the current and revised LCR, assisting systems with evaluating and improving their corrosion control practices, promoting public communications on lead, and advancing full lead service line replacement practice nationwide. Attached are more detailed comments addressing the questions posed by the Agency in its Federalism briefing and comments prepared by Dr. Crawford-Brown on development of a health-based lead concentration of concern. If the EPA LT-LCR team has any questions regarding these comments or would like to become more engaged in our outreach efforts, please contact me or Steve Via at 202.628.8303.

Best regards,

G. Tracy Mehan, III
Executive Director – Government Affairs

cc: David Ross
Jack Bowles
Eric Burneson
Lisa Christ
Andrew Hanson
Eric Helm

Iliriana Mushkolaj

Attachments: 1

Who is AWWA

The American Water Works Association (AWWA) is an international, nonprofit, scientific and educational society dedicated to providing total water solutions assuring the effective management of water. Founded in 1881, the Association is the largest organization of water supply professionals in the world. Our membership includes more than 4,000 utilities that supply roughly 80 percent of the nation's drinking water and treat almost half of the nation's wastewater. Our 51,000-plus total membership represents the full spectrum of the water community: public water and wastewater systems, environmental advocates, scientists, academicians, and others who hold a genuine interest in water, our most important resource. AWWA unites the diverse water community to advance public health, safety, the economy, and the environment.

Attachment 1

Addressing Questions Posed in Federalism Consultation
Long-Term Lead and Copper Rule Federalism Consultation

(Docket ID No. EPA-HQ-OW-2018-0007)

prepared by

American Water Works Association

for the

U.S. Environmental Protection Agency

submitted

March 8, 2018

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Addressing Questions Posed in Federalism Consultation

Introduction

Revisions to the Lead and Copper Rule should advance strong customer protections today while we work for a future where lead is no longer in contact with the water we drink.

Systems must provide this protection within the means of the communities they serve and within the practical limitations of what is operationally feasible. AWWA suggests that the revised LT-LCR include the following elements:

1. Development of an inventory of lead service lines.
    - Be based initially on available information.
    - Improve over time through ongoing water system operations and community engagement.
2. Development of a strategy for lead service line removal.
    - Develop and initiate in a timely fashion and proceed at a community-specific pace.
    - Recognize that shared responsibility is necessary for successful, sustainable lead service line replacement initiatives.
    - Follow ANSI/AWWA C810-17, Replacement and Flushing of Lead Service Lines.
3. Application of process control to reduce corrosivity of water reaching customers' homes.
    - Implementing changes in corrosion control based on system-specific information using sound process-control practices and system-specific studies.
    - Integrating system-specific water quality parameter monitoring with other ongoing distribution system and water treatment process control monitoring.
    - Applying statistical process control strategies to ensure noncorrosive water reaches customers' services.
    - Flagging deviations from target water quality conditions for investigation and corrective actions.
4. Public outreach on lead risk and lead risk mitigation.
    - Actively and transparently communicating with their customers, particularly customers with lead service lines, about lead risks and steps they can take to evaluate and reduce lead in drinking water in their home.

The Safe Drinking Water Act provides a sound decision-making framework. Revision of the Lead and Copper Rule is challenging, and the selected solution will have implications for community water systems of all sizes in every state. Which and how many sources of lead are present in the plumbing of a home depend on historical development patterns in that community, not whether the community today is large or small, urban or rural, poor or affluent. Moreover, as we seek to further reduce lead exposures, this rulemaking encounters larger societal questions such as who has a duty to pay for achieving lead risk reduction and when does a public entity like a water system have the right to intrude on private property. The Safe Drinking Water Act allows the Agency to make tough policy decisions, but it also sets the expectations that such decisions will be based on sound science and reflect opportunities for achieving meaningful risk reduction in a cost-effective manner.

Community Water Systems efforts already substantially control lead exposure through drinking water. The next step in additional risk reduction must be financially prudent and not create unintended consequences. In its most recent Six-Year Review data call in, EPA compiled more than 808,000 sample values from 42

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states for the period 1998 to 2005.[1] AWWA's initial analysis of that data reflects data from approximately 23,100 CWSs serving a combined population of 167 million with LCR data in the database for 2003 to 2005 (for CWSs serving populations >500 using surface or groundwater sources). We found that there were 4,100 systems serving an estimated 23.2 million people where all observed values were less than 1 µg/L, and 90% of systems serving more than 10,000 persons have median lead levels below 5 µg/L.

Compliance data is a limited sample and the sampling protocol and sample pool are not representative of community wide exposure, but the Six-Year Review dataset illustrates that nationwide the water supply community is providing water with low lead concentrations. The question at hand is what is the prudent next step to take to further advance lead risk reduction.

Lead is a multi-exposure pathway challenge. Drinking water is one of many potential sources of exposure to lead. The multi-media nature of lead exposure reduction complicates public education and communication. It also involves numerous responsible parties, many of which are not engaged through the LCR. While the burden of lead health risk should not fall disproportionately on any one group, neither should the burden for achieving lead risk reduction. There is a shared responsibility which is both essential to success and complicates finding timely and affordable solutions.

Reasonable action now is needed. It is desirable but unrealistic to achieve zero exposure to lead in a short period of time. Thus, significant reduction in risk are the appropriate goal. By continuing to debate instead of acting on reasonable rule strategies, as outlined by the National Drinking Water Advisory Council, we continue to delay achieving these risk reductions.

Technical capacity must be built. Nationally, after an initial surge in capacity following promulgation of the LCR, the expert capacity in corrosion control treatment selection has not been adequately developed through academia, maintained in the water system or consulting engineering community, or retained in the regulatory community. EPA and AWWA have roles in supporting the rebuilding of this expertise in the sector. The public health community must also be engaged and educated about lead in water.

Research is needed to support major changes in corrosion control practice aimed at small incremental improvements without causing unwanted unintended consequences. To move forward quickly the LT-LCR revisions must focus on improvements to the current rule that provide cost-effective risk reduction with minimal risk of unintended consequences or significant misallocation of scarce resources for individual homeowners, water systems, or the communities water systems serve.

Lead Service Lines

The most significant barriers to full lead service line replacement are (1) divided ownership / responsibility and (2) the cost of replacement. In drafting the rule revisions, EPA must recognize the limitations these two factors have on (1) the quality of data available to guide action, (2) allocation of the cost of replacement, and (3) the time required for all lead service lines to be fully removed. AWWA is actively engaging its members to foster advancing full lead service line replacement. EPA should avoid setting unrealistic regulatory expectations or creating bureaucratic obstacles to community-specific solutions.

[1] Note, the Six-Year lead concentration data reflects first-draw samples following at least a 6-hour period of stagnation. Samples are taken from homes that are prone to higher levels of lead, e.g., lead service line, older brass, and copper with lead solder plumbing.

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Create an Inventory

An important step in creating a future without lead in contact with drinking water rests on developing a sound understanding of the locations of lead service lines in communities. Having an inventory aids in developing a strategy for removing those lines during ongoing main replacement, service line repairs, home remodeling and sale, home rentals and focused outreach and engagement of households with lead services.

An exact inventory describing the use of lead pipes under both water utility and customer ownership is not feasible. At present, estimates of the number of lead service lines in community water systems in the United States range between 6.1 and 10 million. These lead service lines exist within a larger universe of service lines totaling 96.7 million. These estimates are imperfect, and there are anecdotal reports of underestimates and overestimates from individual systems. Where systems are excavating to identify lead service lines (currently being tested as a tool of last resort for confirming the presence of a lead service line), systems are noting that fewer than expected numbers of lead lines are found.

While research is ongoing, at present there is not an accepted field procedure for identifying if a service line is made of lead without physically seeing the whole line. This is important in several respects. These lines are very old and have been repaired; such repairs may have removed portions of an existing lead line. Also, if EPA includes lead goosenecks within the definition of lead service lines for purposes of an inventory, visual inspection requires digging down to the water main, which is often in the street. An exact inventory would necessitate certain knowledge about all 96.7 million service connections in the United States, not simply the 6.1–10 million that are more likely to be lead. Moreover, while lead service lines are typically measured in tens of feet in length, goosenecks are, by definition, typically less than 3 feet long (both Mueller and Hayes goosenecks were manufactured at lengths of 18, 24, 30 and 36 inches in length).[2, 3, 4]

An exact inventory is not, however, needed for the tasks at hand (i.e., guiding sampling efforts, targeting communication initiatives, preparation for construction activities, and tracking elimination of lead services). Therefore, it is important that inventory development move forward with the tools at hand, recognizing their weaknesses. Moreover, use of ongoing activities to improve the lead service line inventory can be framed as a win-win opportunity for such activities as automated meter reading installations, identification of gutter – stormwater connections, backflow prevention device inspection and other initiatives.

If EPA were to craft regulatory language requiring utilities to prepare lead service line inventories, the Agency would need to recognize several challenges:

1. Lead service lines were installed during the 1800s and early – mid 1900s. Consequently, the primary record of installed material selection, tap cards, are decades if not a century or more old. In subsequent years, there have been changes in practice that impact the fidelity of the data, loss of records, and unrecorded changes in installed materials as repairs and other construction have occurred.
2. Service lines are owned in part by the water system and in part by the customer in most communities. Customers do not always advise the water system of improvements to the portion of the service line the customer owns. In many communities, plumbers have not been an active

[2] Mueller Company. Catalog, November 1, 1961, p. 4-3.
[3] Hayes Water Service Products Catalog, p. 18.
[4] Lead Industries Association, Lead in Modern Plumbing, p. 8.

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stakeholder in lead service line identification, homeowner awareness or updating utility service line material records.

3. Not all community water systems are villages, towns, or cities where the water system service area is the same as a municipal subdivision. "Municipal" records used to compile an inventory (e.g., building and plumbing permits, tax records, mapping, etc.) will be harder to compile in rural areas served through public service authorities and areas served by investor-owned water companies). Even where the water system and municipal government are the same, there are often extra-territorial service areas where the water system is not able to rely on other municipal departments within the same government entity.
4. Absent the threat of loss of water service, water systems do not have the authority to require customers to cooperate in acquiring data about the service line material on the customer's property. Turning off water presents a health and public safety concern. There are also concerns about social inequity where water shutoffs disproportionately impact segments of a community's households.
5. While water system staff sometimes enter customer premises (e.g., to set or repair meters, respond to water quality complaints, etc.), such contact is minimized for the convenience of customers and for the safety of water system staff (e.g., need for a two-person crew and customer scheduling).
6. Systems are transitioning to new asset management platforms that will, over time, facilitate infrastructure renewal, including lead service line replacement. As EPA is aware from its own software platform transitions, these transitions can complicate data acquisition and present unanticipated challenges that effect timely delivery of expected products.
7. Current technologies used to examine service lines that are buried under yards, sidewalks, and streets requires excavation. Excavation only allows inspection of the exposed pipe length, is costly, and has its own associated risks including the integrity of service lines that are not lead and unnecessarily disturbed.

Given these limitations, it is important that EPA rule requirements and associated guidance set reasonable expectations that:

1. Allow the development of the initial inventory based on existing records, historical practice and utility field experience.
2. Provide sufficient time to allow the initial inventory to be developed, recognizing that in many communities, utilities will be supplementing in-house records with data from other departments and oftentimes other entities.
3. Expect that the inventory will be improved over time as additional information can be incorporated through ongoing water system activities (e.g., meter replacement, water quality visits, etc.) and community outreach (e.g., home inspections when buildings are sold, instructions to homeowners, plumbing permits).[5]
4. Expect that water systems will have practices in place to appropriately address previously unrecognized lead service lines when they are discovered.
5. Improve public information and education so that homeowners can be active stakeholders.
6. Utilize opportunities like the sanitary survey for the primacy agency to review the system's practices to maintain and improve the inventory.

[5] Example customer outreach, "Help us update our records," DC Water, Available 1/25/2018 at https://www.dcwater.com/servicemap.

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Public access to information, including the presence / absence of lead service lines, is important to advancing replacement and a natural part of public outreach. Rule requirements for public access should assist property owners without creating unintended harm. EPA may be contemplating a requirement that water systems make inventories publicly available (e.g., on the water utility website, through a database query, or other means). Data compiled by municipal water systems, including information on service lines on private property, may be subject to freedom of information requests. Investor-owned water systems are not necessarily subject to FOIA. Some systems have encountered legal concerns when considering releasing what can be viewed as private information.[6]

Since water systems do not typically own the whole service line and since it may be impossible to determine the material of the whole length of the line, water systems cannot make absolute, always-current statements about the status of a home's service line. Systems that provide a map or database that allows public searches of this data typically use a strong disclaimer statement to users.[7] Some have posed the idea of a state-based or national repository of service line material inventory. The above described data quality and liability considerations are similarly challenges to building such a repository. The burden on EPA, states, and water systems to develop and keep such a data system current warrants careful consideration. On first reflection, managing this data at the local level appears to be the more immediate opportunity for advancing lead service line replacement and educating customers.

FULL LEAD SERVICE LINE REPLACEMENT

Fully removing lead service lines will require a long-term, shared commitment. Water systems and their customers will not be able to replace lead service lines overnight. It will take time to complete a robust inventory, prioritize lead service line replacement among other water system improvements (and other non-water system needs in the community), and identify funding mechanisms to assist in payment for the work. Communities will need to navigate numerous legal and implementation challenges that require time and resources in the face of competing demands. Customers will face affordability challenges. Locally developed programs, responsive to local circumstances, will be essential, and shared federal and state support also will be necessary to facilitate fully removing lead services.

Reducing environmental exposures is a long-term, challenge that must address multiple paths of exposure. EPA has no means at present to understand if a community would benefit most by expanding its lead paint abatement program, targeting lead sources in rental housing, removing lead service lines, or pursuing other sources of lead. This point is best described by other participants in the federalism consultation. From the viewpoint of a water system, this balance must be struck locally so that the water system receives the support and coordination needed from all the partners it needs to effectively engage customers in full lead service line replacement.

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[6] Association of Metropolitan Water Agencies, State FOIA Laws: A Guide to Protecting Sensitive Water Security Information, July 2002, Available 1/25/2018 at https://deq.utah.gov/Permits/drinkingwater/docs/2014/07Jul/StateFOIA.pdf.

[7] Example disclaimer, "DISCLAIMER: The maps provided by the Boston Water and Sewer Commission (BWSC) are based on property surveys conducted during the installation of the Automated Meter Reading system, as well as information directly provided by customers and acquired during physical inspections. BWSC does not guarantee the accuracy of these records and maps, which shall be used for the sole purpose of providing property owners and residents with information regarding their private water services, and not for any commercial, legal or other use. These records will be updated on a monthly basis, or at such alternate times as BWSC designates. BWSC reserves the right to alter, amend or terminate at any time the display of these maps and records." Boston Water and Sewer Commission, Available 1/26/2018 at http://www.bwsc.org/COMMUNITY/lead/leadmaps.asp#TOP_PAGE.

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ANSI/AWWA C810-17, Replacement and Flushing of Lead Service Lines should be incorporated by reference as the protocol for lead service line replacement. AWWA developed a management standard for when a water system anticipates or incidentally encounters lead service lines in the course of construction.[8] This standard addresses identification of lead services, notification of impacted customers, and protective measures to reduce the potential for exposure to lead due to the replacement. As with all ANSI standards, C810-17 was developed by a committee selected with a balance of perspectives in mind and was made available for public comment. This standard will be reviewed periodically and improved based on system experience and new research. It is worthwhile to note, that "*The National Technology Transfer and Advancement Act of 1995 directs [federal] agencies to use voluntary consensus standards in lieu of government-unique standards except where inconsistent with law or otherwise impractical.*"[9] EPA Region 5 has recommended the City of Flint, Michigan follow C810-17 when replacing lead service lines.

EPA should not make replacing all lead service lines in a specific timeframe a rule requirement. AWWA is actively urging its members to integrate lead service line replacement into their current distribution system operations and capital programs now, because it is going to take a substantial, long-term effort to replace the 6.1 – 10 million installed lead services. The NDWAC recommendation, which AWWA endorsed, recognized the challenges associated with setting a fixed deadline and focused on establishing strategies to move forward with available authorities and funding. AWWA is urging systems to start as soon as possible to work with the communities they serve to develop a local strategy and begin to fully remove lead service lines. These community-specific strategies consider local circumstances, particularly locally-appropriate approaches to shared responsibility for accomplishing full replacements. There are numerous potential strategies for funding full service line replacement; developing state and local policies to address this challenge of paying for full replacement will take time and solutions will need to be locally appropriate.[10]

In contemplating a timeframe for completing all lead service line replacements, it is important to look at the housing sector for the frequency with which opportunities to engage homeowners arise. Nationwide, approximately 5.4 million existing homes were sold in 2016, and a similar level of sales occurred in 2017.[11] In 2013 the National Association of Home Builders estimated that the typical buyer of a single-family home can be expected to stay in a home approximately 13 years.[12] It is also worth noting that 35% of households in the U.S. rent rather than own their home.[13] The U.S. Census tracks how frequently people move in the U.S. Looking at data from 2013 and 2014, 24.5% of all people living in renter-occupied housing units lived elsewhere one-year prior.[14] As expected, the Census data illustrates that renters move much more frequently than people in owner-occupied housing (roughly 5 times as often).

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[8] AWWA, ANSI/AWWA C810-17, Replacement and Flushing of Lead Service Lines, Available 1/26/2018 at https://www.awwa.org/store/productdetail.aspx?productid=65634922.

[9] EPA Website, Available 1/26/2018 at https://19january2017snapshot.epa.gov/data-standards/federal-national-and-international-data-standards_.html.

[10] Environmental Financial Advisory Board, Financing Lead Risk Reduction, October, 2017, Available 02/22/2018 at .

[11] Lawrence Yun, Residential Real Estate Economic Issues and Trends Forum at the REALTORS® Conference & Expo in Chicago, IL, November 3, 2017, Available 1/26/2018 at https://www.nar.realtor/presentations/november-2017-economic-housing-outlook-lawrence-yuns-presentation-slides .

[12] National Association of Home Builders, Latest Calculations Show Average Buyer Expected to Stay in a Home 13 Years, 2013.

[13] U.S. Census, 2016 American Community Survey, 1-Year Estimates, US Census Bureau. Updated 9/2017 (Note, 53% of households that live in rental housing rent structures with 4 or fewer units).

[14] U.S. Census, Press Release. U.S. Mover Rate Remains Stable at About 12 Percent Since 2008, Census Bureau Reports, January 2015. Available 02/21/2018 at https://www.census.gov/newsroom/press-releases/2015/cb15-47.html.

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The Census's mover rate for people living in owner-occupied housing units of 5.0 percent is also comparable to the HAHB typical expected stay statistic.

Opportunities to replace lead service lines require coordination with state and local government beyond the water department / separate utility associated with changes in housing and other events include:

1. Identification/confirmation and replacement at time of title transfer.
2. Identification/confirmation and replacement at as a condition of occupancy post vacancy.
3. Identification/confirmation and replacement prior to rental.
4. Identification/confirmation and replacement as a condition of water service (initial turn on for a new customer or return to service if there is lapse in service).
5. Identification/confirmation and replacement in conjunction with a major remodeling of a current structure.
6. Identification/confirmation and replacement in conjunction with main replacement.
7. Identification/confirmation and replacement rather than repair following a leak or break.
8. Integrating lead service line identification and removal into lead-free facility approval processes for businesses seeking an operating license (including childcare facilities).

The average useful life of water mains varies with the material, the method of manufacture, and the conditions where the pipe is installed.[15] The oldest cast iron mains are quite long-lived with average useful life of about 120 years, while cast iron from the 1920s is expected to fail 20 years more quickly, and pipes installed post-World War 2 are expected to last just 75 years.[16] What is important to note is that the rehabilitation and replacement of these mains is a demographic echo of their initial investment. Today, in 2018, water system capital programs are at the beginning of the resulting wave of capital infrastructure re-investment.[17]

Service lines have a finite useful life, and as older lines fail, there is an opportunity to replace them completely. Lead service lines frequently do not fail for decades, but since those lines were often installed more than 70 years ago, failures are increasingly likely.[18]

Another opportunity for lead service line identification and replacement exists when plumbers engage with homeowners for routine work. Hot water heaters, for example, have a useful life of 8 – 12 years,[19] and installing a new one typically involves a visit from a plumber.

Lead service line replacement programs entail:

1. Identifying and actively engaging homeowners with lead service lines to coordinate full lead service line replacement.
2. Actively coordinating with other utilities engaged in infrastructure renewal (e.g., wastewater, stormwater, electric, gas, telephone, cable, etc.).

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[15] AWWA, Buried No Longer: Confronting America's Water Infrastructure Challenge, 2012. Available 02/21/2018 at http://www.awwa.org/portals/0/files/legreg/documents/buriednolonger.pdf.

[16] AWWA, Dawn of the Replacement Era: Reinvesting in Drinking Water Infrastructure. 2001.

[17] AWWA, Buried No Longer: Confronting America's Water Infrastructure Challenge, 2012. Available 02/21/2018 at http://www.awwa.org/portals/0/files/legreg/documents/buriednolonger.pdf.

[18] Lee, Juneseok; Meehan, Myles. Survival Analysis of US Water Service Lines Utilizing a Nationwide Failure Data Set. Journal AWWA, Vol. 109, Number 9: 13-21. September 2017.

[19] DOE, 2010 Water Heater Market Profile, U.S. Department of Energy. September 2010.

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3. Timing construction to reduce disturbing neighborhoods and respond to local policies that prohibit construction in recently repaved roads.[20, 21]
4. Doing service line replacements concurrent and preferably in coordination with other capital infrastructure investment (e.g., replacing mains that have high break rates, repairs to improve water quality or reduce water loss and maintain pressure etc.).
5. Replacing service lines as part of a community's efforts to revitalize its economy and jobs base (e.g., new or renovated facilities to deliver adequate water supply to new or expanding businesses).

If EPA evaluates lead service line replacement over a specific period of time, it must account for the cost and economic consequences of the timeframe selected. The shorter the period of time, the greater the burden associated with the above elements. There are also secondary impacts, including:

1. Increased failures of other infrastructure and consequent economic harm to the community as other necessary infrastructure improvements are delayed.
2. Disruption and potentially repeated and protracted disruption of neighborhoods and business districts as lead service line replacement would be occurring increasingly on a schedule separate from ongoing capital projects.
3. There is a practical limit as to how many streets can be disrupted in a community at any one time.
4. Larger numbers of households facing the prospect of immediately bearing the cost of replacing the portion of the service line they own. As a consequence, a larger number of households would not have access to financial assistance programs, given limited resources for these programs (or if assistance programs are expanded to meet the required pace, there would be an associated impact on fiscal health of the community).
5. Setting an arbitrary deadline of any length will be a disincentive to action in communities where the goal is unrealistically short given local circumstances, and also where a lengthy timeframe is not needed.

A recurring top concern in AWWA surveys of water sector leaders is the ability to convince ratepayers to fund infrastructure renewal and replacement.[22] An important aspect of building ratepayer trust is establishing a systematic process for prioritized infrastructure investments, or in other words, asset management.

It is also worthwhile to consider the overall management of drinking water infrastructure. EPA has described best practices for asset management as a core element of timely renewal of drinking water infrastructure.[23] An embedded tenet of asset management is the development of a system-specific path from the current state to the desired level of service, considering both the conditions of existing assets and the community's ability to find funding mechanisms -- particularly raising water rates.

One of the purposes of this consultation is to consider the unfunded mandate implications of the proposed rule. While EPA may identify some funding, such as through the state revolving loan fund, that can assist in replacing lead service lines, the demand for SRF funds is already larger than the available state and federal loan dollars. In 2017, total disbursements from state drinking water SRFs total less than

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[20] Sacramento County, Available 02/15/2018 at http://www.sacdot.com/Pages/Trenchingandroadcutmoratorium.aspx

[21] City of Portland, Available 02/15/2018 at https://www.portlandoregon.gov/article/437990.

[22] AWWA, 2017 State of the Water Industry Report. April 2017.

[23] EPA, Asset Management: A Best Practices Guide, April 2008, Available 1/26/2018 at https://www.epa.gov/sustainable-water-infrastructure/asset-management-water-and-wastewater-utilities.

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$3 billion dollars. So, if all SRF funds were applied to lead service line replacement without respect how much SRF funds were available in any one state vs another, it would take 10 – 16 years to replace the estimated 6.1 – 10 million lead service lines. Importantly, the SRF is almost always a loan, meaning that the households in a community ultimately pay for the lead service line replacement program, with associated interest.

None of the existing federal or state infrastructure funding programs (e.g., SDWA SRF, Community Development Block Grant, Rural Utility Service, etc.) are positioned to provide grant programs sufficient to meet the $30–50 billion expense often cited for replacing existing lead lines in their entirety.

PARTIAL LEAD SERVICE LINE REPLACEMENT

The current LCR requirement to conduct lead service line replacement should be removed.[24] The most important change with respect to lead service line replacement that EPA can make in the LCR revisions is to change the regulatory construct from punitive to one of building capacity. The current rule requirements replacing lead service lines at a time when corrosion control is either not in place or not optimal. The timeframe for action in this provision is such that partial replacements are an inevitable result. As previously stated, the LCR revisions should reflect the NDWAC recommendation that water systems develop a proactive replacement strategy and work with their communities and other partners to implement that strategy.

It is important that practice in the sector emphasize full lead service line replacement but recognize that partial replacement will occur. In developing AWWA C810-17, the consensus view was reached that it was possible to reduce the number of partial lead service line replacements but there are multiple scenarios where partial replacements will continue to occur, and remain in place for indeterminant periods of time. A few example situations include:

1. An after-hours repair that disturbs a lead service line (e.g., a main or service line repair that occurs outside of typical work hours so as to reduce disturbance to community, provide access to personnel or equipment, etc.).
2. An emergency repair that disturbs a lead service line (e.g., a main or service line repair where water leakage presents a hazard to life or property).
3. A lead service line is recognized during ongoing work and the affected property owner is not available to coordinate full replacement.
4. A partial replacement by a customer's plumber occurs and the water system must schedule and mobilize equipment to address the utility portion.
5. The customer's plumber must schedule or re-schedule replacement of the customer's portion of a lead service line.
6. A customer does not want to or cannot afford to participate in a full-lead service line replacement.

EPA should use the rulemaking to emphasize full lead service line replacement as a routine practice. In lieu of full replacement, there should be a record explaining that either (1) the customer was unwilling or unable to pursue full replacement or (2) the status of the pending actions that will ultimately lead to full replacement. When partial replacement occurs, there is an opportunity for recurring customer notification of the need to complete the lead service line replacement.

Water systems are not the only utilities with buried infrastructure. Electric, sewer, gas, cable, telephone, stormwater, and fiber lines are installed, repaired, and replaced by other utilities and their contractors.

[24] 40 CFR Part 141.84

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To the extent possible, utilities coordinate so that one does not harm the others installed assets. Water systems can provide other utilities with standard operating procedures for how to coordinate around lead service lines, but the rule should recognize that the water system has limited influence over other utilities and their contractors.

PITCHER FILTERS POST LEAD SERVICE LINE REPLACEMENT

A single-choice risk mitigation measure should not be written into regulation. No other federal SDWA regulation specifies a single-choice treatment option. This is a deliberate policy because situation-specific solutions are necessary. An apt comparison for pitcher filters is the specific risk mitigation used following a nitrate maximum contaminant level violation. While states will often advise the use of bottle water with such a violation, other options like the use of an RO device maybe a better solution for some households.

This observation applies equally to plumbed in POU devices.

Pitcher filters are only one of several risk reduction options after lead service line replacement. AWWA Standard C810-17 includes (1) flushing (i.e., running water through) the new or replaced service line immediately after installation, (2) flushing the water lines in the home, and (3) providing instructions to the occupant to flush taps used for drinking or cooking periodically. The standard also recognizes that some situations may warrant using point-of-use filters, or customers may desire to use POU filters.

A number of systems have distributed pitcher filters after either exceeding the lead action level or as part of lead service line replacement protocols. To-date, "maintenance" of the pitcher filters in these systems has been limited to provision of (1) instructions to the customer on POU use, (2) a supply of replacement filters for the pitcher, sufficient for the intended period of performance, and (3) a point-of-contact for assistance. The experience of systems with this level of maintenance and research by other systems considering providing pitcher filters have identified several challenges:

1. Confirming delivery of the pitcher to the intended recipient – When pitchers are left behind by field crews or delivered by third-party providers, there are instances of theft, failure to deliver, failure to deliver in a timely manner, and other issues one would associate with leaving a package on a doorstep.
2. Adequate supply of NSF certified devices – At times, the available supply of NSF-certified filter products has been limited. Surges in demand that are unanticipated by the available manufacturers can lead to shortages and delays in filter delivery to the water system (or fulfillment center) for subsequent delivery to customers.
3. Potential legal liability for failure of the customer to properly use the device – It is conceivable that claims could be brought against a water system if a customer failed to adequately maintain the pitcher filter and subsequently claimed an illness was attributable to the water from the pitcher.
4. Impact on household behavior – It is not clear to what degree households will take seriously a recommendation to use and properly maintain a pitcher filter.

Benefit of providing pitcher filters is no more certain than benefit from routine flushing. Based on EPA's comments, the use of a pitcher filter in this situation would not trigger current guidance for maintaining and guaranteeing the performance of pitcher filters as described by EPA guidance.[25] As with flushing,

[25] EPA, Point-of-Use or Point-of-Entry Treatment Options for Small Drinking Water Systems, EPA 815-R-06-010, April 2006. Available 1/26/2018 at https://www.epa.gov/sites/production/files/2015-09/documents/guide_smallsystems_pou-poe_june6-2006.pdf.

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AWWA is not aware of any research demonstrating the effectiveness of pitcher filters reflecting actual customer behavior.

Introducing as regulatory requirement creates a new barrier to implementation. With respect to primacy agency oversight of such a requirement, a traceable record to demonstrate delivery of pitchers within the specific criteria included in the rule language would be required. A regulatory requirement to provide filters, therefore, has the unintended impact of creating a new set of bureaucratic requirements that are a distraction and barrier to timely situation-specific risk mitigation.

The Water Research Foundation is currently sponsoring research into managing lead in drinking water and related issues.[26] This research agenda includes an ongoing effort to better understand flushing protocols around lead service line replacement

1. WRF # 4584, Evaluation of Flushing to Reduce Lead Levels and
2. WRF # 4713, Full Lead Service Line Replacement Guidance.[27, 28]

AWWA's standard review process will consider the information from these projects in the regular review and updating of AWWA Standard C810-17.

COST OF LEAD SERVICE LINE REPLACEMENT

EPA's proposed estimate, $4,700 per individual lead service line replacement, is too low.[29] There is substantial system-to-system and home-to-home variability in the cost of lead service line replacement. Replacement cost includes two components. The first is the administrative infrastructure (e.g., personnel time, business systems and field work) to identify and engage individual customers in lead service line replacement. As water systems make these systems more customer-focused, the cost of this administrative infrastructure rises. Engagement during a replacement may include dialogue with both a property owner and a resident, both of whom have a role throughout the preparation, execution and follow-through on a service line replacement. Water systems do not typically track administrative costs in a manner that supports quantifying administrative infrastructure. One partial example is the lead service line replacement program oversight contract for Flint, Michigan's ongoing program. Available program data from the 2017 Flint replacement program puts the administrative cost per service line removed at roughly $760.[30] Preliminary data presented by Denver Water in November 2017 on its lead service line replacement program suggests that the administrative cost per service line removed is approximately $600.[31] These two estimates illustrate (1) that administrative is a significant element of replacement program cost that must be considered, (2) there is program-to-program variability due to program structure, elements, and maturity, (3) best estimates at present are imperfect and likely underestimate actual program start-up costs and financial burden on departments beyond the water utility, and (4)

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[26] WRF, Lead and Copper Corrosion: An Overview of WRF Research, October 2017, Available 1/26/2018 at http://www.waterrf.org/resources/StateOfTheScienceReports/LeadCorrosion.pdf.

[27] WRF, Evaluation of Flushing to Reduce Lead Levels, Available 1/26/2018 at http://www.waterrf.org/Pages/Projects.aspx?PID=4584.

[28] WRF, Full Lead Service Line Replacement Guidance, Available 1/26/2018 at http://www.waterrf.org/Pages/Projects.aspx?PID=4713.

[29] EPA, Presentation to Federalism Consultation, January 8, 2018, Available 02/22/2018 at https://www.epa.gov/dwstandardsregulations/icr-federalism-consultation.

[30] Mlive, Flint lead pipe replacement program to switch hands in 2018, December 1, 2017. Available 02/22/2018 at http://www.mlive.com/news/flint/index.ssf/2017/12/flint_lead_pipe_replacement_pr.html.

[31] Price, Steve, From 0 to 60,000: Denver Water Gets a Leadfoot, AWWA, Water Quality Technology Conference, November 2017.

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current estimates represent "low hanging fruit" of easy replacements. Over time, remaining lead service lines will entail increasingly costly outreach and coordination.

The second component is the cost of replacing the lead service. This latter cost is what is typically reported, and the cost per replacement varies based on many factors including:

1. Steps that can be taken to reduce mobilization cost (e.g., integrate into a larger construction project, execute in a systematic program, utilize existing crews during other operations and maintenance tasks).
2. Level of collaboration with customer (e.g., the number of field teams required to complete the entire replacement rather than coordination among multiple teams, including the customer's plumber and electrician, involved).
3. Site-specific constraints (e.g., the built environment in which the replacement is occurring)

Looking just at the field work costs associated with lead service line replacement, $4,700 is likely a low estimate (see Figure 1).[32] When estimating the cost of field work, EPA needs to be sure the estimates capture:

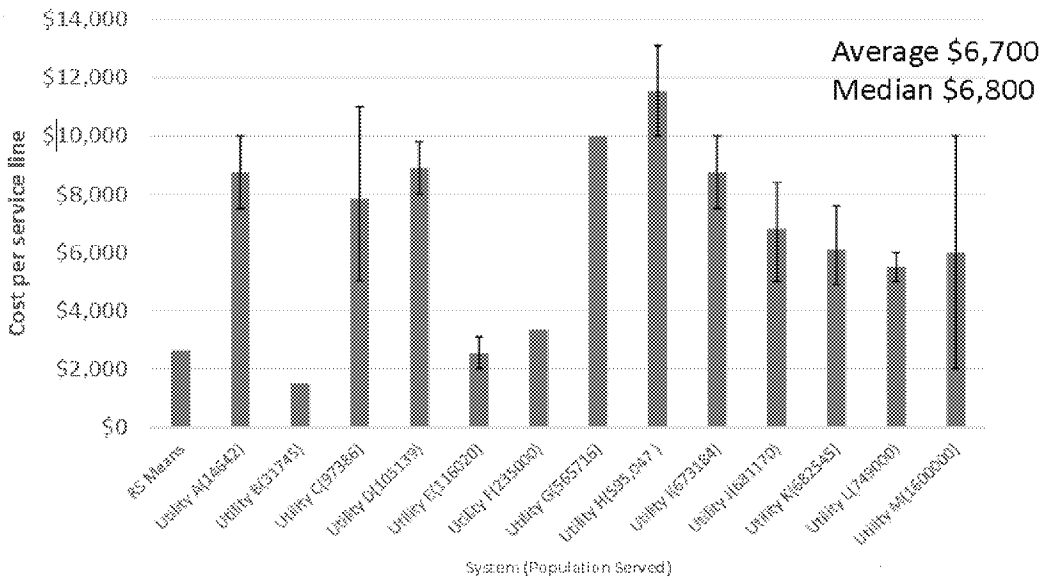

Figure 1 – Cost of full lead service line replacement fieldwork[33]

1. Both the replacement of the water system and the customer owned portions of the service line (these values may be tracked separately),
2. Mobilization costs, as well as time and materials costs, while on site at a specific house, and
3. Troublesome replacement and ideal replacement scenarios.

[32] AWWA, Ongoing data collection effort. Data as of 02/22/2018 reflecting information from 14 community water systems.
[33] Ibid.

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Corrosion Control

The NDWAC recommendations could form the basis for LT-LCR revisions with respect to improving corrosion control practice. Today, under the current LCR, all systems may not install "optimized corrosion control" but all systems implement practices that reduce corrosion. The specific practices on which EPA and the sector rely when active corrosion control treatment for lead is needed are (1) pH and alkalinity adjustment and (2) phosphate addition. The current regulatory framework requires these specific treatments at systems that serve more than 50,000 persons and smaller systems that exceed the action level. When revising the LCR EPA should acknowledge that thousands of systems have made choices that reliably maintain 90th percentile lead levels below 15 µg/L. Systems are, in fact, taking corrosivity into account:

1. When selecting water sources,
2. In selecting treatment processes,
3. In making changes to water chemistry during treatment or adjusting treatment practice, and
4. Through the application of corrosion inhibitors and sequestration agents.

The rule framework and guidance should recognize the connections between distribution system operation and maintenance practices and corrosion control benefits, e.g., managing water age, lining of cast iron mains, unidirectional flushing programs, maintaining water quality in finished water storage, flushing stagnant water, etc. These and other practices contribute to limiting conditions that exacerbate corrosivity and complicate chemical corrosion control treatment.

It is important to incentivize sound practices for maintaining distribution system water quality and infrastructure. The NDWAC recommendations recognized that it was important for water systems to more explicitly explore how current practice was impacting corrosion control for lead and to use that information to improve corrosion control over time. This is in contrast with a regulatory model that focuses on either regulatory bright lines or treatment requirements rather than considering the underlying principles behind the regulatory requirements. The following NDWAC recommendations for improving corrosion control should form the basis for LT-LCR revisions, in which:

1. Corrosion control remain a central water system responsibility under the LCR.

2. Water quality parameter monitoring is expanded to include more frequent monitoring and monitoring at a more extensive set of locations, by integrating water quality parameter monitoring with monitoring in the distribution system for other regulations.

   While WQPs cannot predict the lead level at the tap, this is not their primary purpose. A water system sets WQPs to guide operational practices that produce water quality conditions which minimize corrosivity. Monitoring WQPs is used to ensure the system is operating within those target conditions. As with any process control strategy, there should be an ongoing feedback loop through which the system evaluates the data collected and continues to refine its performance.

3. Statistical control charts of WQP data are used for analysis to inform target conditions.[34, 35]

4. Improving and refining WQP parameter selection and target conditions should be supported by special studies to understand system-specific factors influencing corrosion control (e.g., stability

[34] Cornwell, David; Brown, Richard; McTigue, Nancy, Controlling Lead and Copper Rule Water Quality Parameters, Journal AWWA Vol. 107:2 p. E86-E96, http://dx.doi.org/10.5942/jawwa.2015.107.0011.
[35] AWWA, Manual 58. Internal Corrosion Control in Water Distribution Systems, Second Edition, 2017.

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of existing scales, impact of historical sequestering agent use, corrosion of existing materials of construction, etc.).

The NDWAC framework also provides a viable strategy for advancing corrosion control practice among smaller and consecutive water systems.

SYSTEMS TARGETED TO INSTALL AND OPTIMIZE CORROSION CONTROL

The framework should focus first on improvement of systems that are only marginally compliant to fully evaluate and address gaps in their corrosion control practices. EPA's question might be restated to ask, "Which systems warrant the most attention now, as we revise the LCR?" A regulatory framework is not efficient if it focuses on systems which are already reliably compliant in documenting and enhancing their corrosion control practices.

SYSTEM SIZE THRESHOLD

NDWAC's proposed approach to improving corrosion control offers a viable path for expanding corrosion control to all systems over time. The NDWAC recommendation was intended, in AWWA's view, to overcome the primary barriers associated with increasing expectations on small systems. The NDWAC proposal focused on actions that:

1. Are based in known science and sound water system practice,
2. Utilize data streams that are readily acquired with available staff and expertise,
3. Foster use of good process control practice and improvements in technology available to small systems at an affordable cost,
4. Provide system-specific information that the system and state can utilize to make changes over time, and
5. Provide a vehicle to build awareness and practice in systems of all sizes around ensuring consistent water quality for all customers.

If EPA pursues a definition of corrosion control that emphasizes installation of active corrosion control treatment, then the Agency will need to stage rule implementation around primacy agencies' ability to manage the large number of small systems that would need to modify treatment. There currently are less than 1,000 water systems serving more than 50,000 persons; in total there are 10,600 systems of all sizes with optimized corrosion control under the current LCR.[36] In contrast, there are more than 5,700 medium-sized systems (population served between 3,300 and 10,000) without optimized corrosion control treatment, and roughly 63,600 smaller systems subject to the LCR that do not have optimized corrosion control treatment, e.g., a total of 69,300 systems that would need to develop and install OCCT per the rule requirements.[37] While some small systems are in suburban areas, many of these small systems serve rural communities.

Typical Agency practice follows one of several approaches:

1. An across-the-board requirement applied equally to all systems at the same time, typically three years after promulgation with the potential for a two-year extension for capital construction if approved by the primacy agency.
2. An across-the-board requirement, with implementation beginning with larger systems and moving over time to smaller system size categories.

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[36] EPA, Analysis of Impacts of Corrosion Control Treatment on Lead and Copper Levels over Time, (prepared by Cadmus Group; provided to NDWAC Workgroup), July 2010.
[37] Ibid.

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3. A requirement limited to sizes or a combination of sizes and types of systems.
4. Triggered action, where monitoring is conducted and systems that exceed a trigger then initiate evaluation steps or proceed to installing treatment.

Variances are available under all the above approaches. However, as a practical matter, they are used infrequently. When they are used, they have the effect of adding workload on state primacy programs and complicating communication with customers in the impacted service area.

Treatment technique requirements should be appropriate to the type of public water system. AWWA's comments are primarily focused on community water systems, but the current LCR also applies to nontransient, noncommunity water systems. EPA could distinguish between CWSs and NTNCWSs (approximately, 17,800 NTNCWSs serve less than 10,000 persons) with respect to corrosion control / treatment technique compliance options. CWSs are most often responsible for delivering water to a customer, whose plumbing system contributes the lead that ultimate reaches the drinking water tap. In contrast, all potable water piping and fixtures associated with an NTNCWSs are owned by the same entity. "Appropriate" should also take ease of implementation into account. Drinking water is an ancillary activity for NTNCWSs and consequently few have dedicated staff that are expert in operating water treatment, consequently complex treatment that requires close attention is not a sound compliance option for these systems.

Oversight of Corrosion Control Optimization

Current OCCT decision-making framework is not feasible for state primacy agencies to oversee if applicable to all small systems. As noted previously, optimized corrosion control is defined as a few chemical treatments, and when framed as such, corrosion control treatment changes require extensive evaluation, time, resources and state oversight. Currently, EPA is recommending a year or longer pipe loop study to support installation of a new corrosion control treatment.[38] Under an "across-the-board requirement" regulatory approach, systems of all sizes would require state approval of the following within a three to five-year time window:

1. Identify a preliminary set of corrosion control options (e.g., combinations of pH, alkalinity, phosphate dose, etc.),
2. Develop a pilot loop test plan,
3. Execute the pipe loop test plan,
4. Develop a summary report and recommendations,
5. Conduct an evaluation of potential for unintended impacts as currently required by the LCR,
6. Develop test plans/recommendations to respond to impacts on system operation, particularly compliance with other regulatory requirements,
7. Prepare necessary plans and specifications for construction,
8. Engage in necessary public outreach around the treatment changes, construction, financing, etc.
9. Identify and obtain necessary funding,
10. Develop a test plan for new treatment start-up,
11. Execute the start-up test plan, maintain routine communication with state throughout, and adjust treatment to fix issues identified during start-up,
12. Prepare final as-builts and operations plan.

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[38] EPA, Correspondence from Bryce Feighner to Karen Weaver, February, 2017, Available 1/26/2018 at https://www.epa.gov/sites/production/files/2017-02/documents/letter_to_honorable_karen_weaver_and_bryce_feighner_regarding_city_of_fl_0.pdf.

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It is reasonable to expect that accomplishing these steps will require substantial training and state engagement directly with smaller systems. A query of the most recent posting of SDWIS found more than 6,300 substantive violations related direct to installation and operation of OCCT.[39] Less than 3% of those violations were associated with large systems; the largest group of violations were associated with very small systems (<3,300 persons served) – both community and noncommunity water systems. These violations suggest that the level of state oversight required for applying the current OCCT decision-making process to thousands of small systems will overwhelm state primacy agencies.

LEAD SERVICE LINES AS TARGET FOR CORROSION CONTROL

Corrosion control has been demonstrated to be effective reducing soluble lead. AWWA has sought input from experts in the field of corrosion control on several occasions to assess whether phosphate addition or pH/alkalinity adjustment would reliably control particulate lead. As recently as November 2017, the response has been that there is not a body of data supporting this conclusion.[40] EPA staff have acknowledged this point. Therefore, targeting water systems with lead service lines in order to control particulate lead is not appropriate.

Because corrosion control is well documented as a means of controlling soluble lead and, thereby, reducing elevated lead levels, EPA might prioritize systems based on the distribution of observed lead levels or consistency of system performance relative to the action level. Such a prioritization approach could inform the pace of state-system engagement on corrosion control described above using the NDWAC framework.

PLUMBED IN POINT-OF-USE DEVICES

Requiring water systems to install and maintain POU devices in customers' homes is not a viable regulatory option for addressing lead from lead service lines in community water systems. There are implementation considerations associated with utilizing plumbed-in POU devices beyond the burden imposed by the standard of performance described in EPA Guidance for SDWA compliance by installing POU devices. [41] They include:

1. Inability to gain access to 100% of homes with lead service lines to install, maintain and monitor filter performance.
2. Liability for harm to customer's property when installing devices (a frequent anticipated risk when installing POU devices on existing faucets and countertops).
3. Personnel safety when installing, maintaining and monitoring filter performance.
4. Inability to assure coordination with customer and consistent, adequate maintenance of the installed device.

Water systems do not own or maintain any plumbing components on customer property that entail as frequent entry into the home for maintenance as POU devices. Such entry presents both coordination challenges and risk to utility personnel.

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[39] EPA, Safe Drinking Water Act Information System, Available 1/26/2018 at https://ofmpub.epa.gov/apex/sfdw/f?p=108:9:::NO::P9_REPORT:VIO.

[40] AWWA, AWWA Expert Workshop-Sampling Fit for Purpose / Corrosion Control Treatment Going Forward, Washington, DC, November 12-13, 2017.

[41] EPA, Point-of-Use or Point-of-Entry Treatment Options for Small Drinking Water Systems, EPA 815-R-06-010, April 2006. Available 1/26/2018 at https://www.epa.gov/sites/production/files/2015-09/documents/guide_smallsystems_pou-poe_june6-2006.pdf.

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A single-choice risk mitigation measure should not be written into regulation. No other federal SDWA regulation specifies a single-choice treatment option.

Installed POU devices are only a viable solution when the number of homes being treated is small and the inhabitants cooperate. As noted previously, EPA guidance for the use of POU devices describes a standard of care that includes proper selection and installation, ongoing maintenance and regular monitoring of performance. Historically, EPA has recognized that this treatment strategy was not a cost-effective risk reduction strategy compared to centralized treatment, other than for very small communities.

In Flint, Michigan, there was an extensive installed POU program. The teams responsible for outreach to customers on POU operation and performance were not able to access a significant number of homes for follow-up visits once the devices were installed. In March 2017, the program manager for the Flint outreach effort characterized the situation as follows:

> *"To date, CORE teams have attempted nearly 84,000 visits and connected with around 24,000 residents. We want to get that number up," Weaver said. "Our goal is for CORE workers to connect with a resident at every home in the city. We know some residents are leery about opening their doors to people they don't know, so we asked the workers and the CORE program director, Paul Newman, a long-time Flint resident himself, to come today so residents can see who they are and learn more about what it is they have been hired to do."*[42]

The City of Flint website hosts a video describing this extensive community-based outreach program, the challenges they see implementing the program, and the steps they are taking to overcome them. This program is an exceptionally strong outreach effort; the lack of customer engagement is not due to a lack of effort by the program.[43] Recently, Flint Neighbors United released a survey of Flint households capturing household understanding of POU devices, including maintenance. The survey illustrates that even with a substantial program to provide and support installation of POU devices, 15% of homes that responded to the survey (282 of 1,894 responses) did not have an installed POU. More than 9% of respondents with installed filters appear to not be maintaining the filter correctly. There is a separate question in the survey on when lead in tap water was most recently tested at respondent's homes; roughly 21% had not been tested in the last year.

The CORE program employed 160 field workers and 16 supervisors at hourly wages of $10 and $12 respectively, plus benefits.[44] This amounts to a personnel cost, plus estimated overhead cost of $8,985,600 per year. Assuming each of the 43,000 homes with active accounts in Flint received one filter and 3 replacement cartridges each year ($20 each) the cost for the filters per year is $3,440,000. An estimated annual cost for the CORE program is over $12.4 Million. While a remarkable, community-based effort supported by substantial state and federal subsidies (subsidies, which are unlikely to be available to other community water systems), the Flint POU program would not meet the requirements of EPA's current guidance for SDWA compliance using an installed POU program.

Requiring the water system to install and maintain a POU device to address a defect resulting in whole or in part by the property owner is not sound public policy. Mandatory installation of installed POU devices

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[42] City of Flint Press Release, March 22, 2017, Available 2/16/2018 at https://www.cityofflint.com/2017/03/22/video-released-to-inform-flint-residents-about-core-program-and-workers/.

[43] Ibid.

[44] Mlive.com, Officials say they want Flint residents to fill 160 water crisis jobs, 12/3/2016, Available 02/21/2018 at http://www.mlive.com/news/flint/index.ssf/2016/12/officials_looking_for_flint_re.html.

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on taps in buildings would be an unwise national precedent that would have far-reaching consequences well beyond lead.

Optimal Corrosion Control

A DEFAULT CORROSION CONTROL TREATMENT

Water chemistry and pipe materials differ among water systems, so corrosion control strategies must be system-specific. As a practical matter, if EPA establishes a one-size-fits all default corrosion control treatment requirement, that will be the installed treatment. Few if any water systems will be able to successfully demonstrate "equivalent" treatment in the eyes of state regulators or regional EPA staff. One can look at a lack of innovation in both primary disinfection and filtration practice as examples of how conservatively primacy agencies will view a default corrosion control treatment strategy.

EPA has not described what a default corrosion control treatment might be. Most previous EPA statements about a default corrosion control treatment have been based on data reflecting soluble lead levels and limited consideration of particulate lead release.

For community water systems in the United States, corrosion control is more complex than simply complying with the LCR. Systems must:

1. Balance water qualities from multiple water sources,
2. Manage corrosivity to protect buried infrastructure,
3. Anticipate corrosive water impacts on a variety of materials in building plumbing,
4. Provide a stable water quality for industrial, manufacturing, and commercial, as well as residential uses,
5. Reduce the potential for scales interfering with system and plumbing component operation,
6. Reduce exposure to unwanted aesthetic issues such as iron and manganese, and
7. Collaborating with receiving wastewater treatment authorities with respect to the contribution of phosphate and metals reaching publicly owned treatment works.

Regulatory requirements must be achievable while all other aspects of water system operations are realized.

CONSEQUENCES FOR RECEIVING WASTEWATER SYSTEMS

The Office of Water cannot develop SDWA and CWA policies that are in conflict. Mandating the use of phosphorus for corrosion control and requiring elevated doses will have local consequences. At present, where phosphate is used for corrosion control in the U.S., it contributes 10–35% percent of the phosphorus loading to the wastewater treatment facility (based on 10 drinking water–wastewater system pairs).[45] As phosphorus limits become more stringent, the use of phosphate becomes not only a cost consideration for the wastewater treatment facility, but equally importantly, an issue of credibility in the relationship between the utilities and local governing bodies. As more communities partner to achieve economies of scale in water and wastewater service provision, the number of governing bodies impacted by this credibility dynamic also grows, further complicating efforts to develop regional partnerships.

For decades EPA has identified nutrient pollution as a significant challenge for natural water bodies and phosphate as a nutrient of concern for inland water, particularly lakes. Over the past two years EPA has emphasized nutrient control as a key tool in preventing harmful algal blooms, including blooms that

[45] Rodgers, Impact of Corrosion Control on Publicly Owned Treatment Works Water Quality Technology Conference, New Orleans, LA. 2014.

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produce cyanotoxins. In 2016 EPA released health advisories for microcystins and cylindrospermopsin. When levels of these toxins are elevated in drinking water, the water system is expected to issue a "do not consume" order, which has significant implications for the community served by that water system. When evaluating the cost implications of phosphate addition on wastewater treatment plants, phosphate corrosion inhibitor addition leads to an incremental increase in wastewater treatment cost. It can also result in some wastewater treatment facilities facing a "cost wall" because it triggers a shift to a new wastewater treatment train design.

Currently, EPA's ATTAINS database indicates that almost 2 million acres of lakes and 55,000 miles of rivers and streams are impaired by phosphorus alone.[46] EPA estimates that by 2020, half of the states will have numeric nutrient water quality criteria for phosphorus under the Clean Water Act.[47] In addition to developing statewide nutrient criteria, EPA is working with states to develop practice around "interpreting" narrative nutrient criteria to set loading limits for nutrients.[48] Implementation of this latter effort appears to be proceeding even more rapidly than state adoption of statewide numeric nutrient criteria. It seems likely that this tension between the addition of phosphate and subsequent removal will only become more frequent with time and will take place where both the water system and wastewater treatment system are both attempting to make ever smaller marginal improvements in performance. Impacts on wastewater discharges is a constraint that should factor into optimized corrosion control treatment selection.

EXPECTATIONS MUST HAVE SOUND PREMISE

Benchtop and pipe loop studies are informative but not perfect predictors of full-scale success. Data from benchtop and pipe loop studies is a key tool in guiding corrosion control, but these test systems are not sufficiently accurate in their predictions as to fine tune corrosion control based on this data alone. Further research is needed to better relate test system results to full-scale performance and to understand variances in test data when interpreting full scale application.

More research with actual pipe scale formation is needed to justify high, sustained levels of phosphate addition. The principle justification for higher orthophosphate levels are solubility curves for a lead phosphate compound. Those curves for required orthophosphate dose are generally a function of an alkalinity (or inorganic carbon). The curves show that at higher alkalinity levels that orthophosphate doses of 1 mg/L as P (3 mg/L as PO_4) or above may be needed. While useful guidance, solubility curves do not fully describe the electrochemical reactions or coatings involved in corrosion. In fact, often the compound modeled is not often found in pipe scales.

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[46] EPA, National Summary of State Information, Available 02/15/2018 at https://ofmpub.epa.gov/waters10/attains_index.control#causes.

[47] EPA, State Progress Toward Developing Numeric Nutrient Water Quality Criteria for Nitrogen and Phosphorus, Available 02/15/2018 at https://www.epa.gov/nutrient-policy-data/state-progress-toward-developing-numeric-nutrient-water-quality-criteria.

[48] 2013, Correspondence Chris Hornback to Nancy Stoner, March 7, 2013. Available 2/15/2018 at https://www.nacwa.org/docs/default-source/default-document-library/letter-to-n-stoner-on-narrative-nutrient-criteria-3_2013.pdf?sfvrsn=0.

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Although this analysis is preliminary, we are finding that the solubility models in common use overestimate the amount of phosphate needed. For example, the graph in Figure 2 shows the solubility curves often cited and the data points are from actual lead coupons at steady state.[49] As seen, inorganic carbon values in the mid-range of around 20 mg C/L fall close to the curve for a dissolved inorganic carbon of 5 mg C/L while the data for the DIC of 15 mg C/L is actually below the curve for a DIC of 5 mg C/L. These results are not surprising given experience in the field but point out a difficulty with making decisions for the rule (e.g., the necessity of high orthophosphate doses) and individual treatment decisions based largely on an understanding of corrosion based on the available solubility curves.

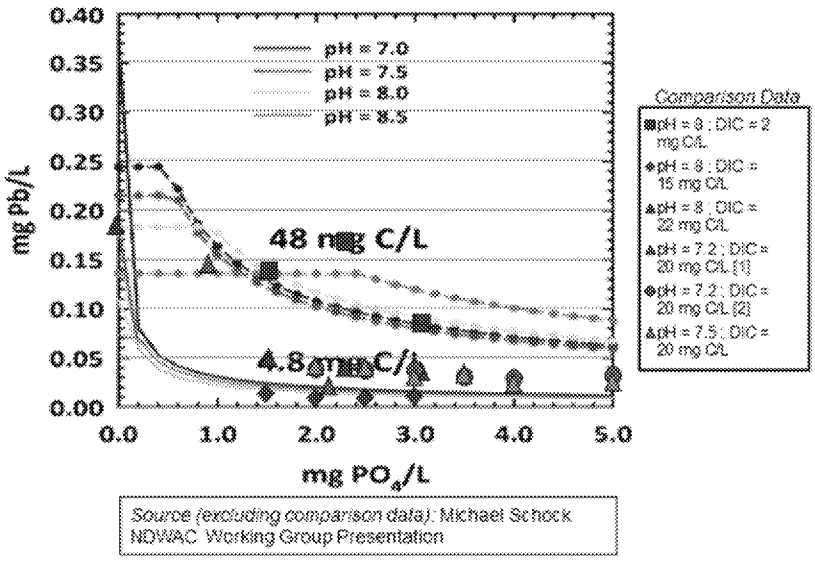

Figure 2: Theoretical lead solubility curves compared to benchtop tests using actual pipe materials.

The above example is not novel. Much earlier work came to a similar conclusion using a different methodology.[50] As Edwards et al. points out, other factors can have system-specific relevance. This point can also be extended to include the over use of corrosion control indices. Generalized corrosion control models are an important aspect of managing scaling and initial evaluations of water stability, but, alone, they are not sufficient to guide adjusting corrosion control.[51]

REFERENCING PRACTICE IN UNITED KINGDOM

EPA cannot reference guidance for treatment in the United Kingdom without a complete understanding of actual practice. The view that elevated phosphate doses (e.g., 1.3 - 2 mg/L as P [4 – 6 mg/L as PO_4] or higher) are critical to effectively manage lead often cites corrosion control practice in the United Kingdom. Unlike the United States, the bulk of the U.K. is served by 12 water companies. After contacting water systems and U.K.-based drinking water treatment consultants, there is good reason to believe that

[49] Cornwell Engineering Group, Personal correspondence February 14, 2018.

[50] Edwards, Marc; Jacobs, Sara; Dodrill, Donna. Desktop Guidance for Mitigating Pb and Cu Corrosion By-Products. Journal AWWA Vol. 91, Num. 5. P. 66-77. https://www.awwa.org/publications/journal-awwa/abstract/articleid/14051.aspx.

[51] Hill, Christopher. Importance of Corrosion Indices and How to Use Them. Water Quality Technology Conference, 2017.

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the levels of phosphate applied in the U.K. are not as different from those currently used in the U.S. as typically described. Our survey efforts are not complete, but to-date, it seems that as an ongoing target, systems tend to focus on 1 mg/L as P (3 mg/L as PO_4), though the target can range from 0.4 – 1.5 mg/L as P (1.2 – 4.6 mg/L as PO_4) on a site-specific basis. Observations to-date emphasize the use of orthophosphate over other forms of phosphate primarily based on cost considerations. This is not markedly different from the range of orthophosphate addition here in the U.S. 0.2 – 1.0 mg/L as P (0.5 – 3.0 mg/L as PO_4).

PERIODIC RE-EVALUATION OF CORROSION CONTROL

Corrosion control has and should continue to evolve based on science and field experience. The NDWAC recommended a periodic re-evaluation of corrosion control as a mechanism to respond to new knowledge acquired through research and practice. As a practical matter, AWWA has a Manual of Practice for Internal Corrosion Control in Water Distribution Systems.[52] That manual is updated periodically to reflect new developments. Like AWWA standards, it is developed through a consensus process, but it is not an ANSI document. Historically, EPA has revised guidance relevant to the LCR, and that guidance has been considered by states and systems (e.g., guidance published in 1992, 1995, 1999, 2001, 2003, 2007, and 2016.)[53]

One of the underlying tenets of corrosion control is a commitment to and consistent execution of a strategy. If EPA were to expect systems to re-evaluate current corrosion control practice periodically with an affirmative decision by the State that the system is using the appropriate strategy, then that state review must:

1. Be grounded in a sound understanding of corrosion control,
2. Consider sufficient system-specific information to facilitate sound decision making,
3. Lead to changes in practice when there are substantial opportunities for additional reductions in observed lead release, and
4. Include explicit consideration of unintended consequences from change.

Because changing corrosion control should be done carefully. The revised LCR should incentivize water systems to continually evaluate corrosion control rather than focus on rote regulatory compliance.

Sanitary surveys could serve as a mechanism for periodic review of corrosion control practice. All public water systems are required to have period sanitary surveys. For community water systems, these reviews must occur at least once every three years. These regularly occurring reviews of system practices, could include a review of ongoing corrosion control. And, as with other items evaluated in the sanitary survey, the primacy agency could identify potential revisions to evaluate and initiate as warranted based on a more substantive evaluation, necessary consultation, and appropriate permitting.

SUSTAINABLE OPERATIONS

In costing corrosion control, EPA needs to recognize the need for additional changes in treatment that are triggered by substantial changes in corrosion control. "Optimized corrosion control treatment" is a phrase that EPA appears to be preparing to re-define in the LT-LCR. EPA and state interpretation of the current rule allow for the considerations beyond simply reducing lead and copper concentrations. That same

[52] AWWA, M58 Internal Corrosion Control in Water Distribution Systems, Second Edition, 2017.
[53] EPA, Compliance Guidance Documents available 1/26/2018 at https://www.epa.gov/dwreginfo/lead-and-copper-rule#additional-resources.

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flexibility is necessary in the LT-LCR. Examples of additional considerations in EPA's most recent guidance include:

1. "black or red water complaints due to oxidation of iron and manganese in the distribution system"[54]
2. "potential to form scales on the interior of piping systems that may reduce the effective diameter of the pipes, resulting in loss of hydraulic capacity and increases in system headloss and operational costs"[55]
3. "disinfection performance and compliance with Surface Water Treatment Rules and possibly the Ground Water Rule"[56]
4. "raising the pH and DIC may cause calcium carbonate to precipitate in the distribution system, clogging hot water heaters and producing cloudy water.[57]
5. "... there are limitations to their application. Two factors that could limit the use of phosphate-based corrosion inhibitors are (1) reactions with aluminum, and (2) impacts on wastewater treatment plants."[58]

Recognizing considerations beyond regulatory compliance when selecting optimal corrosion control treatment for a system is critical to the sustainability of community water system efforts to reliably assure water quality within a matrix of multiple objectives, and simultaneous efforts to maintain and improve system performance on multiple topics.

Reliable supply of affordable treatment chemicals required. Phosphate addition is a treatment strategy that, if pursued, must be maintained into the future. At present phosphate is an international commodity for which the primary sources are off-shore and dependent on unencumbered trade.[59] There are mines in the United States, but the principal sources from a global perspective are Morocco and China.[60, 61] Water systems only account for a small fraction of phosphate use in the United States (about 3%); the most significant use and international driver for commodity pricing is agricultural applications, which is not only a much larger use but also a less challenging product to deliver.[62] While currently there are not any shortages in supply, drinking water systems have seen periods of dramatic price increases in phosphate and some supply disruptions at individual utilities.[63] For example, a survey of 47 U.S. water systems found that these systems experienced an average phosphoric acid cost increase of 233% over the period from January 2008 to January 2009.[64]

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[54] EPA, OCCT Evaluation Technical Recommendations for Primacy Agencies and Public Water Systems, EPA 816-B-16-003, March 2016, p. 19.
[55] Ibid, p. 19.
[56] Ibid, p. 41.
[57] Ibid, p. 42.
[58] Ibid, p. 43.
[59] SEI, Sustainable Use of Phosphorus, October 2010.
[60] IFDC, World Phosphate Rock Reserves and Resources, 2010.
[61] USGS, Mineral Commodity Summaries 2017, Available 1/26/2018 at https://minerals.usgs.gov/minerals/pubs/mcs/2017/mcs2017.pdf.
[62] WRF, Supply of Critical Drinking Water and Wastewater Treatment Chemicals – A White Paper for Understanding Recent Chemical Price Increases and Shortages, 2009.
[63] Ibid
[64] Ibid

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CONSECUTIVE SYSTEMS

Consecutive systems will bear costs of change to corrosion control practice as well as the wholesaler installing treatment. In organizing cost consequences for the LT-LCR, EPA faces a challenge like that presented by the disinfection byproducts and ground water rules. There are substantial dependencies between water wholesalers and consecutive systems. While each public water system (each PWSID) "stands alone" with respect to compliance, decisions made to optimize corrosion control for one system may or may not be the most cost-effective solution for other systems in the same extended network due to differences in home construction materials, condition of distribution systems, water age, and other factors. "Optimizing" for reducing lead and copper must be balanced across this extended network of systems on a local basis. Consequently, not only should the rule provide the necessary flexibility, but the Agency's economic analysis should reflect the associated costs for preliminary analysis, treatment, transition preparation, monitoring, customer outreach and oversight.

FINDING AND FIXING PROBLEMS IN CORROSION CONTROL

Exceeding community action level should trigger assessment and correction. One aspect of the current rule that has proved problematic is that systems that exceed the action level are triggered into a long list of action items. This list includes preliminary evaluation of corrosion control treatment. It appears that, at least in some instances, this lengthy process provides a window for the system to return to lead levels below the action level without having to complete an evaluation of corrosion control changes and make necessary corrections. The NDWAC recommendation that if investigation is triggered by the rule, then the evaluation should be fully completed, and the lessons learned be applied in corrective actions.

The details of the rule are important. The trigger for system-level evaluation and correction may exist separate from triggers for evaluation / additional support to individual homeowners who experience elevated lead levels. This concept of find-and-fix could be tied to system-specific water quality parameter monitoring plans, which are based on distribution system and water treatment process control monitoring. These plans would utilize statistical process control strategies to flag deviations that warrant investigation and corrective steps. It could also be triggered by multiple in-home tap samples exceeding a community "action level."

The framework utilized in the Revised Total Coliform Rule for assessment and correction of sanitary defects provides a useful parallel to find-and-fix under the LT-LCR. As with the RTCR, the process would begin with in-home sampling triggering a tiered response that first focuses on levels of lead in the structure, and based on the data, expands to include evaluation of system-wide issues.

Public Education

EPA should provide resources to support public outreach on lead risk and lead risk mitigation. Water systems should actively and transparently communicate with their customers, particularly customers with lead service lines, about lead risks and steps households can take to evaluate and reduce lead in drinking water. The NDWAC recommendations include development of a comprehensive resource to support communication with the public about lead and lead risk mitigation across all environmental exposures. Households need clear, holistic guidance on how to identify and reduce lead risks from all environmental exposures. Communicating to the public that lead risks need to be addressed and require action, while also helping the public recognize the timeframes and limitations of environmental exposure reduction strategies is a challenging task. Well-grounded and consistent communication materials that reflects the best information from CDC and other authoritative sources, is necessary to support revision of the LCR.

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TARGETED OUTREACH TO CUSTOMERS WITH LEAD SERVICE LINES

Outreach to customers with lead service lines will need to use multiple delivery channels appropriate to that community as part of an ongoing communication program. The challenges associated with targeted outreach vary as a function of existing data systems, customer communication infrastructure, nature of the system's service area and customer behavior. Consequently, the NDWAC recommends the use of a comprehensive ongoing communication program. Some of the challenges of outreach targeted to customers with lead service line include:

1. Organizing outreach so that it reaches customers who are prepared to act, e.g., at the time of home purchase, when a home inspection report is available, when a new homebuyer is reviewing needed improvements. Unfortunately, the water system will not start a relationship with the new customer with respect to that address until after transfer of title.
2. Utilizing existing delivery mechanisms like bill stuffers, consumer confidence reports, and similar routine communication tools requires messaging that recognizes most customers do not have lead service lines.
3. Targeted messaging around lead service lines has two audiences: those who live in the home and those who own the home. Due to rentals and other housing situations, the primary point of contact for the water system may be different from the individuals in the home. Therefore, messages related to removing lead service lines may reach the appropriate individual but information about taking protective measures may not reach inhabitants.

NOTIFICATION OF EXCEEDING ACTION LEVEL

Notification under the WIIN Action should be to individual homes at which the water system has data that lead levels are elevated. EPA is required by the WIIN Act to address public notice. The WIIN Act does not have any accompanying report language that informs how to interpret its provisions, but it is clear from the resulting edits to SDWA that the 24-hour timeframe is limited to instances when there is a "potential to have serious adverse effects on human health as a result of short-term exposure."[65] This criterion is not consistent with the basis for the current LCR action level (i.e., communitywide 90th percentile concentration greater than 15 µg/L). It is not clear how EPA will utilize the ongoing analysis to identify a level of lead in water consistent with a short-term exposure scenario. Regardless of level, the implications of a 24-hour notification requirement include the following:

1. Ongoing water system public education programs about lead, currently only required of water systems that have exceeded the lead action level, will be necessary to provide context for households that receive this notice recommending immediate action, if such notices are to be impactful.
2. Water systems will need support from both state and local health experts to communicate the health effects of short-term exposures to lead and the appropriate action steps to take.

An alternative approach would be to focus on communicating with individual homes when observed lead concentrations are above the action level (i.e., homes in the compliance sample pool must be notified of elevated lead levels). This interpretation of the WIIN Act revisions would facilitate more targeted dialogue with occupants regarding observed lead levels in their home; a potentially more effective conversation.

Regardless of the numeric value of the action level, the implementation challenges include:

[65] SDWA, Sec. 1414(c)(2)(C)

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1. An administrative burden on meeting notification requirement (e.g., assuring notice is provided, documenting successful notification, and backstopping primary mode of notification) limits when systems can take samples, thus prioritizing notification over collecting data in a timely or informative manner.
2. Need for additional administrative procedures, systems, and personnel to assure notice in time frame is achieved.
3. Close coordination with local public health staff with expertise in lead risk communication. Such coordination can be challenging in communities where the water and health departments exist within the same governing structure; it becomes increasingly difficult with separation in governance: e.g.,
    a. County health department, with town or village operated community water system,
    b. County or state health department with subdivision community water system,
    c. County subdivision with rural community water system owned or operated by a third-party provider (non-profit, cooperative, or investor-owned entity).
4. Notification by priority mail may not be possible within 24-hour timeframe, necessitating state acceptance of phone contact, email or other electronic media notification to affected households.
5. Rural and suburban communities have less access to priority mail delivery services requiring additional personnel hours to backstop documented delivery of required notice.
6. Administrative expectation for documenting notification limits the tools available for notification (e.g., a phone call, text message, or drive by interaction with customer absent further documentation may not suffice for regulatory compliance) and requires administrative systems and personnel time.

PUBLIC ACCESS TO INFORMATION

Results from In-Home Tap Sampling

Data should be readily available to the public without revealing exact address where sample was drawn. Tap samples need to be drawn by residents to (1) assist the water system with compliance monitoring, (2) assist the water system in evaluating potential changes in treatment and (3) inform households of potential risks and protective actions. However, making data from sampling available to the public and connecting it to a specific structure may dissuade homeowners from collecting samples. Making all data from sampling available to the public is challenging, because the protocols for sampling may vary and lead to results that should not be compared directly. In Flint, individual addresses were revealed, but in presenting the data, considerable effort was taken to segregate it into comparable datasets.[66] It was necessary to (1) present pre-POU and post-POU data independently, (2) show compliance data monitoring separately, and (3) not present some data (for example, to-date lead service line profile data has not been presented in a readily accessible format).

Currently individual tap sample results are available to the public upon request. Beyond a local interest in transparency, the federal Freedom of Information Act as well as state and local policies require information release by publicly-owned water systems. Investor-owned water systems may have less certain legal requirements for release of information. In states where water systems submit individual LCR sample results, the data from all water systems is available through FOIA of the state program. What is often not made available under current practice is the exact street addresses associated with individual

[66] State of Michigan, Taking Action on Flint Water website, Available 2/1/2018 at http://www.michigan.gov/flintwater/0,6092,7-345-76292_76294_76297---,00.html.

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sample results. This is primarily due to homeowner privacy concerns, and the need to recruit customers to participate in compliance monitoring.

EPA indicates it will be implementing PRIME in 2018. PRIME has been described as a vehicle for public access to individual observations submitted in compliance monitoring. It is not clear when EPA intends to fully implement PRIME in this manner. Currently, not all states maintain a Safe Drinking Water Information System record of actual observed lead values. In either a state or federal public data access strategy, the regulatory community would not only need to acquire and upload the data in a timely fashion, but it would also need to determine if the Agency (EPA or state) would take responsibility for publicizing lead and copper observations associated with particular addresses (e.g., privacy concerns, liability for imperfect data being presented, etc.).

Water systems currently summarize LCR compliance data in consumer confidence reports. CCRs are already viewed as dense technical documents by many members of the public, and adding tens to hundreds of individual lead observations would be at odds with ongoing efforts to improve them.

Water systems or states could make compliance monitoring data available through local websites, as the State of Michigan did and continues to do for Flint. Michigan posted both tabular data and maps of observed lead levels. EPA could engage Michigan to determine how much the state invested in developing and maintain public access to lead data through that website. It is worth noting that not all smaller water systems maintain a website or have access to the website for their local jurisdictions.

One of the failings of the current LCR is it may discourage sampling by the water system to facilitate diagnosis of water quality problems, particularly lead issues, in individual homes. Systems that take samples that:

1. Meet the general criteria for compliance data may be added to the compliance dataset by the State, even if multiple samples are from the same structure during an investigation of that structure.
2. Do not meet the criteria for use as compliance data, are expected to be judged by some as being deliberately drawn in an effort to misrepresent or hide lead occurrence.
3. Do not have a robust chain of custody and quality assurance prior to acceptance by the laboratory for analysis, can be added by the state into a system's compliance dataset.

Under the current rule, a few samples lead to (1) aggressive public education systemwide and (2) revisiting the fundamentals of corrosion control practice. Neither are insignificant challenges for a water system, hence an inability to directly assist individual homeowners. If the rule mandates public access to non-compliance data, then the rule will further discourage testing for lead by water systems and efforts by water systems to effectively engage customers.

Water Quality Parameter Monitoring

Providing the public WQP data should not be allowed to become a barrier to water systems expanding WQP monitoring. Water systems frequently provide basic information to customers, including generalized WQP data. This is data the public does find useful when caring for aquariums, deciding to install home treatment devices, planning the design of commercial / industrial process equipment, and other applications.

It is not clear what WQP data EPA anticipates providing to the public as a regulatory requirement. WQP monitoring as required by the current rule is infrequent and limited to a few locations. Providing the currently required data to the public in summary form would be feasible, particularly where the system has a website. This data as well as more frequent monitoring of relevant parameters are submitted to

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the state in regular reports. The submitted data is available to the public currently through FOIA of the state or local water system. There are potentially security concerns with releasing detailed process control data to the public (e.g., ongoing chlorine concentrations if oxidation reduction potential was a WQP, etc.), so the provision of enhanced WQP monitoring as described by NDWAC may present challenges.

Other barriers and cost considerations that EPA will need to consider:

1. There is an opportunity to expand use of on-line monitoring devices, but
    a. Data from on-line instruments must be handled appropriately, with appropriate quality control and quality assurance prior to use by the water system or provision to the public.
    b. Presenting on-line monitoring to the public complicates the primary goal of increasing use of on-line devices for process control by placing an administrative focus on public access rather than utilization of the data stream.
    c. Effective use of on-line instrumentation for process control, regulatory triggers, and public awareness requires a commitment to instrument maintenance that is significantly higher than what might be employed for an initial demonstration of capability or a short-duration research project.
2. If WQPs (grab sample or on-line) are provided to the public, then information must be provided to illustrate the relevance of the data. Simply providing a data point at a given time and location is not informative unless one has a clear notion of what portion of the service area that data represents. Modelling and analysis necessary to present WQP data to the public in a manner that is informative to individual households would distract from the initial goal of gaining more understanding and control of WQPs in the distribution system.
3. Providing basic information to the public requires effective risk communication. Consumers face an array of do-it-yourself home treatment device options and ongoing news stories of studies and advocacy reports. In the absence of a cohesive public communication effort about what WQP data means, there is ample opportunity for consumers to misunderstand the implications of the data to which they would now have access.
4. Each of the above considerations has an associated cost component to overcoming.

Tap Sampling

The revised LCR should incentivize sampling and special studies to better understand corrosion control and make informed decisions about treatment changes.

Dramatic changes to the current in-home tap sample protocol will substantially delay revision of the LCR. The current sampling protocol is not consistent with modern standards for quality laboratory systems (e.g., inadequate chain-of-custody procedures, inability to know if samplers are employing proper sampling technique, and consequently lack of legal defensibility for the compliance laboratory).[67] Consequently, there is interest in changing the sampling protocol to address the current failings. Moving away from customer collected samples is not likely if the rule revision:

1. Continues to use the current LCR sample protocol (or an alternative stagnation sample),
2. Revises the sampling protocol to target water from the lead service line, or
3. Increases the number of required samples required and thus requiring access to more customers' kitchen taps to obtain the requisite number of samples.

[67] EPA, Manual Certification of Laboratories Analyzing Drinking Water 5th edition, Available 2/2/2018 at https://www.epa.gov/dwlabcert/laboratory-certification-manual-drinking-water.

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If the purpose of compliance monitoring is solely to inform residents of lead levels at their taps, then these concerns are less troubling.

If the purpose of the sampling is consistent with the current LCR -- to trigger re-evaluation or installation of corrosion control treatment -- AWWA is not aware of any peer-reviewed studies to show how a new sampling protocol/increased sample pool would compare to the current protocol/sample pool.

EPA must clearly describe any required tap sample protocol. Samplers should be able to follow any tap sample monitoring and the protocol should be sufficient to eliminate "gaming" and forestall accusations of gaming sample results.

CURRENT SAMPLE PROTOCOL

Retaining current sample protocol as recently refined by EPA, may be the most expeditious option for EPA to pursue. The current sampling protocol, first liter following at least 6 hours stagnation, data has served community water systems well as a tool to reduce lead levels. The reductions in lead levels over the years has been well documented.[68]

Many water systems have been able to adjust their corrosion control program by assessing historical first liter samples. The sample procedure allows the system to compare data collected consistently over time and spatially because the samples are always collected the same way. Specific instructions bring some uniformity to the data facilitating this comparison. Multiple rounds of monitoring over time provides a historical benchmark for future actions. This historical data allows systems to spot changes either positive or negative and to make appropriate actions. Comparisons are relatively easily made between systems within a state when regulators want to make relative assessments of lead release across systems with similar water qualities.

First liter samples have also served to alert systems to major upsets. For example, the Flint 90th percentiles for first liter samples went over 100 µg/L. As orthophosphate and other WQ controls went into pace the improvements in first liter samples could be tracked and improvements seen as the 90th levels dropped to the current 6 µg/L level. A similar recognition, response, and downward trend occurred when Washington DC experienced elevated lead levels following its transition to chloramines.

While the first liter sample may not be the highest lead level found in samples from homes with lead lines, many homes and many cities do not have lead lines. Homes can still experience lead due to old brass, galvanized plumbing and lead solder. The first liter sample is actually very useful for sampling interior sources of lead.

Tap sample protocol representative of exposure

The current LCR sample protocol is not designed to be representative of exposure. Representing exposure will required more than changing when customers draw a one-liter sample. "Exposure" for risk assessment purposes occurs at three levels: individual, building and community. EPA has not provided information to understand which of these types of "exposure" this sampling framework would address. Consequently, it is not clear what combination of sample protocol, sample number, sample site location, and sample frequency the Agency is considering. As EPA considers presenting an LT-LCR monitoring plan as representative of exposure, it should:

[68] Richard A. Brown, Nancy E. Mctigue, And David A. Cornwell, Strategies for assessing optimized corrosion control treatment of lead and copper, Journal AWWA Vol. 105 No. 5 pages 62 – 75, May 2013.

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1. Appropriately match the sampling requirements to the objective for the monitoring (e.g., a sample to inform customers about lead levels in their water should be geared toward taking a sample of water likely to be consumed).
2. Clearly present how the data would be used in the regulation in a manner consistent with SDWA (e.g., not create a duty on community water systems that is beyond the bounds of water system ownership).
3. Identify opportunities to shift the new compliance monitoring requirement to one that can be executed by trained technicians within the framework outlined by EPA's laboratory certification guidance.

AWWA is not aware of any new guidance from EPA or others to provide insights into how sampling at a structure can best inform risk reduction steps by homeowners or landlords.

Households sample when consuming water

AWWA is reluctant to comment on a single aspect of tap sampling monitoring in isolation. Instructing consumers to take a tap sample when they are preparing food or getting a drink of water could substantially alter the LCR routine compliance monitoring dataset by reducing the period of stagnation prior to sampling.

It is not clear from EPA's comments how changing the sampling protocol in this way would be accompanied by other considerations in the rule revision:

1. How large an increase in the sample pool size to "make up for" the lack of certainty in minimum stagnation period?
2. A change in the actual protocol (e.g., is a first-draw, one-liter sample anticipated)?
3. A change in the households targeted for sampling (e.g., all homes in pool being homes with lead service lines)?
4. A single sample for lead and copper observations?
5. A change in the evaluation metric (e.g., 90th percentile value of 15 µg/L)?
6. A change in the implications of exceeding the evaluation metric?

All these considerations are relevant to the effectiveness of the compliance monitoring regime. Consequently, AWWA is reluctant to comment on a single aspect of monitoring. If EPA proceeds with evaluating this option, it is important for the Agency to communicate to the public:

1. That lead levels vary and a single observation from a tap does not adequately represent exposure to that household.
2. A community-wide assessment of lead levels does not mean that homes with lead sources (e.g., old brass fixtures, lead service lines, lead solder, etc.) will not observe higher levels, even if the LCR monitoring program is biased toward more challenging homes.

While communication around the current LCR sampling protocol is very challenging, there are similar challenges associated with this sampling protocol:

1. Risk management by the household should occur regardless of observed value in water and include basic steps to mitigate risk from other exposures (e.g., dust, paint, etc.)
2. The water system is taking steps to manage the corrosivity of the water, but absent removal of all sources of lead in contact with water, some risk remains.

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LOCATION OF TAP SAMPLES

Tap sampling and the questions of number, location, frequency and protocols all stem from the purpose of sampling required under the rule. There are several acknowledged uses for tap samples:

1. As a check on the need for / adequacy of corrosion control treatment,
2. Understanding the nature of lead release in a system to inform improvements to corrosion control, and
3. To inform / motivate customer action.

There is general agreement that no one sampling strategy and protocol is ideal for all three of these objectives.

There is also broad agreement that sampling for copper at locations identified solely to maximize the opportunity to find elevated lead levels is unlikely to recognize higher copper levels that can be associated with very new structures containing copper plumbing.

Each of the specific sampling strategies about which EPA requested input represent a balance among competing objectives for mandatory compliance monitoring. When evaluating any of these approaches, it is important to realize:

1. Intra-structure variability in observed lead levels can be substantial—observed lead levels vary as a function of water use patterns in the structure and other factors,
2. Inter-structure variability is also observed -- lead levels vary as a function of plumbing materials used, workmanship of that installation, presence of water treatment devices, and other factors, and
3. Variability of samplers contributes to cumulative variability in dataset – the degree samplers adhere to protocols.

Homes with Lead Solder

Eliminate date range criteria in current rule for homes with lead solder that may be included in in-home tap sample pool. The current LCR specifies sampling from Tier 1 homes followed by Tier 2 and Tier 3 homes. To be in Tier 1 and 2, the home must either have a lead service line or "copper pipes with lead solder installed after 1982 (but before the effective date of your State's lead ban)."69 Tier 3 homes must have solder installed before 1983. These date ranges are now more than 35 years old and their use is no longer consistent with the underlying logic for their inclusion in the rule.

Customer Requested Tap Samples

Customers should have access to reliable sources of tap samples. Water systems can provide this service or direct customers to reliable laboratories. At present, there are entrepreneurs offering water tests that provide inadequate results. These tests could lead customers to make poor decisions and waste money. EPA should provide clear national guidance for consumers on analytical methods and laboratories with appropriate skills and processes to provide reliable lead test results.

Customers are not requesting samples to understand corrosion control. They are interested in questions about their exposure and their plumbing. EPA should prepare a guide for fit-for-purpose sampling to inform households and assist water systems communicate with their customers.

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[69] EPA, Lead and Copper Rule Monitoring and Reporting Guidance for Public Water Systems: EPA 816-R-10-004, March 2010.

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Tap Samples at Schools

The Lead Contamination Control Act is an existing statute that directs the management of lead in schools. The LCCA "*Directs each State to establish a program, within nine months of this Act's enactment, to assist LEAs* [local education agencies] *in testing for, and remedying, lead contamination in school drinking water from coolers and from other sources of lead contamination. Requires that testing results be made available for public inspection in LEA administrative offices.*"[70] EPA has developed extensive guidance to schools on lead in schools.[71] But, the EPA website indicates that currently "*There is no federal law requiring testing of drinking water in schools and childcare facilities, except for those that have and/or operate their own public water system …*"[72] The website does not provide a basis for this last statement.

If EPA were to modify the LCR to require monitoring of lead in schools, it would have to (1) describe the purpose for the sampling, (2) the sampling program required to achieve that purpose, and (3) the responsible party for that sampling program.

With respect to these three tasks before the Agency:

1. Community water systems will not be able to use the data acquired through sampling in school buildings as a useful gauge for managing system-wide corrosion control. Rather, sampling in schools is an opportunity to (1) identify fixtures that warrant active flushing or replacement, (2) assess the success of in-building / in-campus water quality management, and (3) gather information to provide for parents, students, and staff.
2. Taking a single sample from a school is not informative and, importantly, can be misleading. For this reason, the current EPA guidance outlines testing of all outlets in a school in a prioritized fashion and follow-up sampling to facilitate diagnosis and remediation. The purpose and utility of such sampling is much different from SDWA compliance sampling.
3. Most school buildings are large, and consequently, they are very unlikely to have lead service lines. Therefore, it seems unnecessary to include school structures in a water system's LCR sampling pool.
4. As schools are large buildings, their inclusion in the sample pool raises the question of what sampling protocol is appropriate, further complicating rule implementation and data analysis.
5. "Schools" is not limited to public schools. It includes private and religious schools of all sizes, financial stability, staffing levels, and instructional setting (e.g., owned or rented space, stand-alone or integrated into another structure, etc.).

EPA should update its guidance on managing lead in schools as part of its support for schools. Given the likely use of the data, it seems the responsible party for monitoring will be schools. This has implication for (1) preparedness of school staff and contractors, (2) development of state primacy agency systems to track school compliance, and (3) school budgets.

It is important to note that individual states have initiated monitoring for lead in schools and in most instances, have decided to focus on sampling initiatives for schools and/or childcare facilities through direct oversight of the schools. States are taking a number of different approaches that best fit their circumstances. Recent examples include California, Illinois, Massachusetts, New Jersey, New York, Utah,

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[70] Summary: H.R.4939 — 100th Congress (1987-1988), Available 2/2/2018 at https://www.congress.gov/bill/100th-congress/house-bill/4939.

[71] EPA, Lead in Drinking Water in Schools and Childcare Facilities, Available 2/2/2018 at https://www.epa.gov/dwreginfo/lead-drinking-water-schools-and-childcare-facilities.

[72] Ibid

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and Washington.[73, 74, 75, 76, 77, 78, 79] None of the approaches initiated include sampling in schools as a component of LCR compliance monitoring.

NUMBER OF TAP SAMPLES

If EPA anticipates changing compliance monitoring, including increasing the number of tap samples required, it will need to communicate how the increased monitoring will advance the health risk reduction.
The sampling burden even under triennial monitoring is significant. These data represent only "compliance" samples and do not include observations from:

1. Special studies to inform corrosion control practice,
2. Lead service line replacement, or
3. Customer assistance samples.

Anecdotal reports and AWWA members' experience are that:

1. Small system waivers are available to systems with fewer than 3,300 persons, but these waivers are seldom granted.
2. Many community water systems are now on triennial monitoring, though some states like New Jersey have re-emphasized LCR monitoring and instituted a new round of annual monitoring in 2017.[80]

The NDWAC advised improvement of corrosion control would be best achieved through more water quality parameter monitoring both at the water treatment plant(s) and in the distribution system, rather than modifying the sampling protocol. Recent EPA compliance assistance has emphasized the role of special studies to improve system/state understanding of lead release in order to evaluate changes in water treatment or water supply. The WRF has funded research to better understand observed lead release after lead service line replacement, and the utility of monitoring in that specific context.[81]

Household action level

EPA has not demonstrated that it is able to undertake the required task based on the available information.
The NDWAC recommended development of a household action level. The presentation of EPA's analysis and the peer-review comments illustrate that developing a household action level continues to be challenging for the Agency (see Appendix A). It is clear EPA is finding it difficult to set a level that is consistent with the NDWAC recommendations, e.g., a level of lead in water that warrants action by a

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[73] 2017. California. Available 2/15/2018 at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/leadsamplinginschools.html.
[74] 2017. Illinois Public Act 99-0922. Available 2/15/2018 at http://www.dph.illinois.gov/content/school-water-testing.
[75] 2016. Massachusetts. Available 2/15/2018 at http://www.mass.gov/eea/agencies/massdep/water/drinking/lead-and-copper-in-school-drinking-water-sampling-results.html.
[76] 2016. New Jersey State Board of Education. Available 2/15/2018 at http://www.state.nj.us/education/lead/.
[77] 2016. New York Department of Health. Available 2/15/2018 at https://www.governor.ny.gov/sites/governor.ny.gov/files/atoms/files/LeadTestingRegs.pdf.
[78] 2017. Utah. Available 2/15/2018 at https://deq.utah.gov/Compliance/compliance/drinkingwater/lead-copper-rule/lead-sampling-in-schools.htm.
[79] 2016. Washington, Governor's Directive on Lead, 16-06 Department of Health Recommendations. Available 2/15/2018 at https://www.doh.wa.gov/CommunityandEnvironment/DrinkingWater/Contaminants/LeadinSchools.
[80] PROVIDE CITATION
[81] WRF, Evaluation of Flushing to Reduce Lead Levels – 4584, Project progress can be tracked at http://www.waterrf.org/Pages/Projects.aspx?PID=4584.

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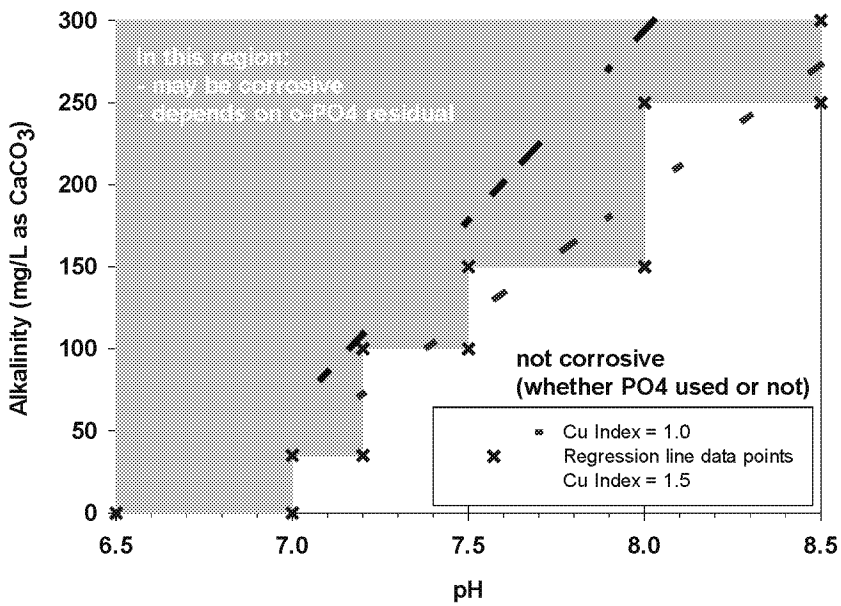
specific home above and beyond ongoing protective measures (i.e., corrosion control, lead service line replacement or other actions already being taken by home owner). While our societal goal is and should continue to be no exposure to lead, as a practical matter, parents and landlords need to know when lead levels in water represent an elevated risk to households, especially children. In the absence of a sound EPA analysis, using of "zero," "detectable lead," or a number below the community-wide action level as a household action level is not consistent with the balance of the LCR framework.

Copper

SCREEN FOR WATER AGGRESSIVE TO COPPER

Basing rule on a screen for water aggressive to copper will require different criteria than those proposed by NDWAC. During the NDWAC process, a preliminary classification of what water qualities would be corrosive to copper was developed with the idea that EPA would finalize the classification. Two preliminary classification charts were developed, one for strictly pH and alkalinity and one for systems using orthophosphate. The idea was that if a utility was classified as non-corrosive to copper, it would be relieved of many regulatory testing and sampling requirements. It was anticipated that most systems would be classified as non-corrosive to copper.

Figure 3 shows an example of the corrosivity classification that was developed for NDWAC. All pH and alkalinity combinations to the right of the shaded area would not be corrosive to copper. This figure also provides a basis for a simple index to determine a specific water quality's corrosiveness. The index is shown below the figure with any values having a Cu index < 1 being corrosive.



Note: Cu Index > 1 is defined as conducive to copper corrosion; For pH <7, water is corrosive to copper (irrespective of alkalinity); Cu Index = Alkalinity/regression = Alk/((A × pH) - b); A = 154.17 mg/L as CaCO3 / pH; b = 1,037.3 mg/L as CaCO3

Figure 3: Copper corrosivity index

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AWWA conducted a survey of utilities to obtain water quality data and estimate the number of systems that would be classified as corrosive to copper. [82] The survey found that at the point of entry to the distribution system 50% of all systems (groundwater and surface water) and 70% of ground water systems surveyed would be classified, using the index, as corrosive to copper. That seemed like a large percentage and somewhat unrealistic since the U.S. generally does not have widespread copper problems. There was some concern if the survey was accurate.

Recently, the U.S. Geological Survey collected data on well water quality throughout the U.S. [83] The data base was for private and public wells. There was sufficient water quality data collected to allow calculation of the copper corrosion index for the wells. Figure 4 is a map by EPA region showing the results for the percentage of utilities on GW that are corrosive to copper according to the index as compared to the USGS results. The two are quite comparable. As seen in Table 1 by population size and totals, the overall U.S. corrosivity to copper by the survey was 70% and by USGS data it was 79%. Note that the survey is based on point-of-entry or distribution system and therefore represents treated groundwater, while the USGS data is raw well water. Treatment did not appear to alter the percentage significantly.

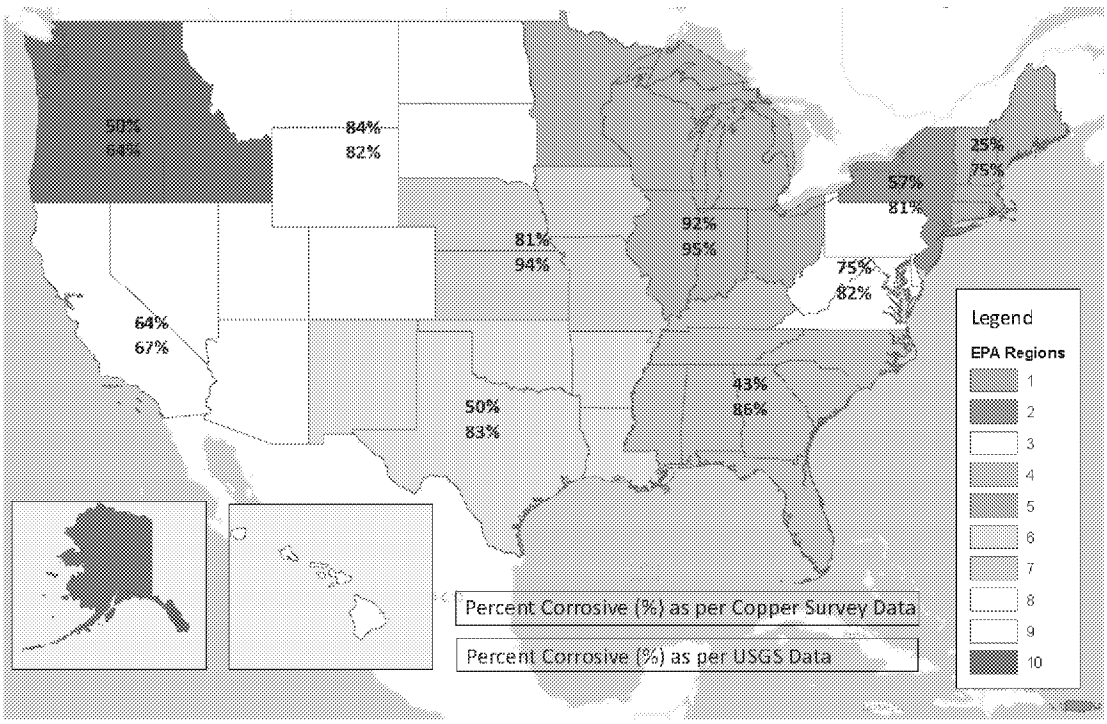

Figure 4: Groundwater Corrosive to Copper Using NDWAC Criteria (from Roth et al. and an analysis of data underlying USGS

[82] Roth et al., Copper Corrosion Under the Lead and Copper Rule Long-Term Revisions, Journal AWWA, April 2016, http://dx.doi.org/10.5942/jawwa.2016.108.0062.

[83] Belitz, Kenneth, Jurgens, B.C., and Johnson, T.D., 2016, Potential corrosivity of untreated groundwater in the United States: U.S. Geological Survey Scientific Investigations Report 2016–5092, 16 p., http://dx.doi.org/10.3133/sir20165092.

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Population Class	Percent Corrosive (Cu - Index)			
	<10K	10-50K	>50K	Total
	Impact of PO_4 not included			
Cu Survey - POE	80%	56%	48%	71%
Cu Survey - DS	78%	53%	45%	69%
USGS				79%

Table 1: Percent Corrosive per Population Class for Copper Survey and USGS Data

The Roth et al. and USGS data raise an important question: "Is the NDWAC corrosivity classification correct, since it is not realistic that this many systems are experiencing high levels of copper?" The index is based on the solubility of Cu(II) for either cupric hydroxide or malachite. While solubility diagrams can be important in understanding reactions and interactions, they do not model the electrochemical reactions of corrosion or the scales that form on the pipe and reduce further copper release. Although preliminary in nature, a database on copper levels from fresh copper in various water qualities offers insight into utility of making decisions based solely on the current classification approach. Figure 5 is an example of two results. The smooth curves are the solubility values, and the two orange boxes are the experimental data. The experiment giving a copper level of 0.14 mg/L would be predicted to result in copper of about 5 mg/L, and the 0.09 data point would be predicted to be about 1.2 mg/L. Additional work will be needed to fully develop a reliable indicator of copper corrosivity, but it may be the current approach based on available solubility curves is overestimating potential copper levels.

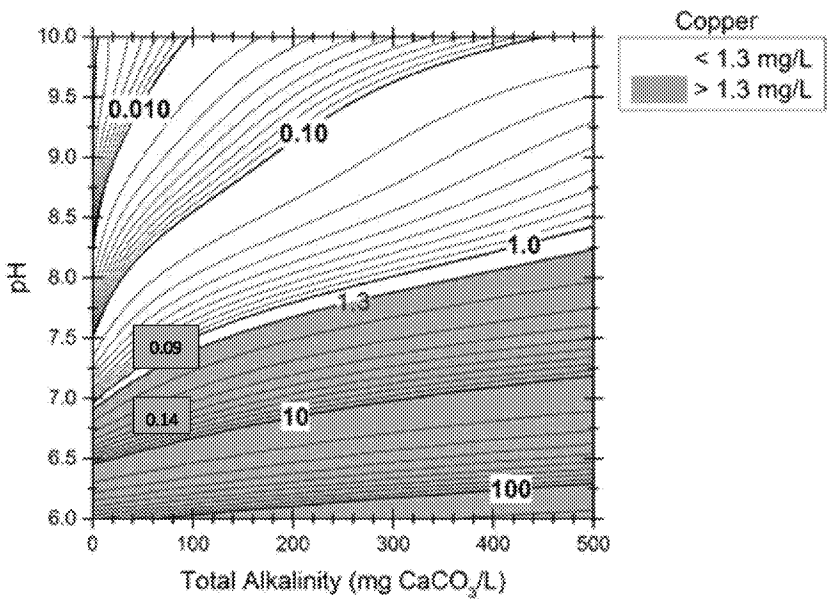

Figure 5: Theoretical copper solubility diagram with overlaid observations

While the USGS analysis suggests that the most corrosive ground waters are limited to the southeastern U.S., Mid-Atlantic and New England, the NDWAC criteria would classify the overwhelming majority of groundwater systems in all regions of the U.S. as corrosive to copper. Also, roughly 40% of systems that are corrosive in the Roth et al. were already applying phosphate and still considered corrosive, according to the NDWAC index. Implications of this analysis for EPA's analysis of LT-LCR are multiple:

1. The proposed change would require thousands of small water systems, many of which are located in rural areas, to re-evaluate corrosion control to control the corrosivity of their water to copper.
    a. A significant number of small systems with corrosion control in place would be directed to change corrosion control practice.
    b. A large number of small systems would be required to add corrosion control.
2. State programs would need to evaluate:
    a. Current decision-making processes to understand why current practice is leading to non-optimal corrosion control practice for copper as well as lead.
    b. A very large number of corrosion control studies, corrosion control treatment installations and permit revisions, with associated oversight of implementation schedules and compliance metrics.
    c. Oversight practices and staffing to an increased number of small water systems employing active treatment, particularly where addition of corrosion control becomes a threshold treatment that sets the stage for additional unit operations (e.g., manganese or iron removal, disinfection, etc.).
    d. Changes to operator certification for small systems to ensure adequate training to oversee more complex groundwater treatment.

AWWA supports the NDWAC recommendation to focus efforts to prevent release of copper into water where the water is corrosive to copper. However, when we consider the above two analyses in the context of observed copper levels from compliance monitoring, the data illustrate that the assumptions underpinning the NDWAC corrosivity criteria are very conservative and warrant refinement before such a framework is included in regulation.

COPPER – TRIGGERED ACTIONS

The marginal return in public health benefit must be sufficient to warrant new triggered requirements under the LCR. If a system's water is deemed to be corrosive, then required actions could take one or more forms, including public education, additional monitoring and corrosion control treatment. The NDWAC recommendations ask a threshold question: Is there a substantial opportunity for additional risk reduction by contemplating changes to the copper requirements? The NDWAC workgroup discussion also focused on aligning the final lead and copper monitoring and response framework in the rule so that it did not create conflicting objectives, undue burden or oversight challenges.

From a community water system perspective, both metals should be adequately managed. Moving forward, implementation challenges include:

1. Implementing and communicating to customers about a compliance monitoring dataset drawn from "fresh" copper (e.g., new homes), particularly in small rural communities where the number of "new" homes can be very limited.
2. Coordinating with local municipal building permit programs where a water system (public, investor owned/operated, non-incorporated rural subdivision) does not have an immediate governmental tie to that department.

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3. Absence of local government planning/building permit information systems that align street addresses with water system service area boundaries.
4. Effectively identifying new-home buyers/renters of newly constructed homes that have copper plumbing and reaching them in a timely fashion with information on the importance of allowing copper to passivate and how to improve water quality in new homes.

PUBLIC EDUCATION ON COPPER

Providing informational material to new customers, plumbers, and developers on the release of copper prior to passivation is an educational opportunity for EPA and water systems. There are opportunities to provide general communication materials on copper passivation. NDWAC recommended a strong reliance on public education as the next step in improving copper risk reduction. Given the nature of the sensitive subpopulation for copper, the need to include a public education requirement on copper in drinking water in the LCR revisions will depend on the initial evaluation of the threshold question as to the risk reduction opportunity afforded by increased focus on copper in the LCR.

MODIFY TAP SAMPLING TO REQUIRE SEPARATE SAMPLING SITES FOR COPPER

The appeal of a workable copper corrosivity index is that it reduces the challenge of developing a separate tap sampling protocol for copper. Answering the question of whether a dedicated sample pool is necessary for copper is highly dependent on the balance of the rule option being considered. If the rule option requires weighting the sample pool heavily toward structures with lead service lines, then unpassivated copper is less likely to be present than in other alternatives. Again, the threshold question is whether there is a need for a more sensitive copper monitoring sample in most systems given the opportunity for health risk reduction:

1. Not all systems have significant numbers of lead service lines,
2. There is the opportunity to enhance risk reduction through public education targeting structures with fresh copper piping, and
3. The amount of installed copper pipe has decreased substantially since LCR was first promulgated (see Figure 6, tons of tube sold to all uses as a surrogate for use in plumbing alone).

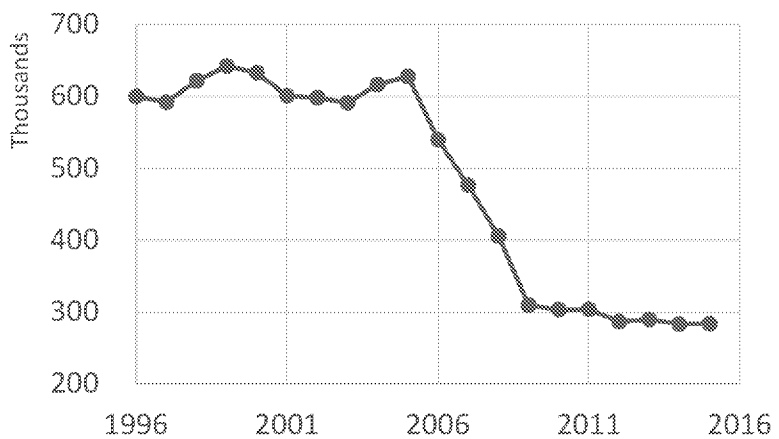

Figure 6: Tons of copper tube consumption in end-use markets[84]

[84] Copper Development Association, Annual Data 2017, Copper Supply & Consumption — 1996–2016. 2017, Available 2/16/2018 at www.copper.org/resources/market_data/pdfs/annual_data.pdf.

Appendix A. Observations on EPA Modelling to Calculate a Household Action Level

The following are observations regarding EPA's development of a household action level, prepared by Dr. Douglas Crawford-Brown.

RELIANCE ON LCR COMPLIANCE MONITORING DATA

I assume here that some variant of Figures 4A and 4B from the EPA's Environmental Health Perspectives paper would form the basis of any proposed health-based benchmark. If Figure B is used – since it involves aggregate exposure assessment and not only exposure via water – The water concentration corresponding an aggregate BLL value of 5 ug/dL in the 97.5th percentile is approximately 4 ugPb/Lwater.

However, this figure relies on use of the Six-Year review data on Pb in water. This is not a representative sample of the US population, but rather a sample of first draw results in a subpopulation identified by water providers as being most at risk from waterborne Pb. The three approaches being considered by the EPA in establishing a health-based benchmark, however, all rely on the national exposures.

Data presented by the EPA in the supporting documents for the EHP paper suggest a ratio of first draw concentration over daily average water concentration of between 2 and 4. It is unknown how biased (high) the sampled population of homes is within the overall distribution of homes. At the least, therefore, the 4 ugPb/Lwater value mentioned above should be raised to between 8 and 16 ugPb/Lwater based solely on the issue of using a database of first draw samples. This range encompasses the value of 15 ugPb/Lwater currently forming the basis of risk mitigation decisions under the LCR.

RELIABILITY OF ESTIMATE AT EXTREMES OF EXPOSURE DISTRIBUTION

Additionally, Figures 4Aand 4B reflect exposures at the 97.5th percentile. While it would be highly protective to use such a high percentile value, Figure 2 demonstrates that the curve of percentile versus BLL is characterized by a very high slope above the 90th percentile, being almost vertical. Very small errors in the curve, introduced by small errors in the uptake rates for the different pathways, would result in very large shifts in the water concentration associated with a given BLL (3.5 or 5 ug/dL) at this percentile. Use of the 95th percentile would increase the benchmark concentration further above the range of 8 to 16 ugPb/Lwater mentioned above (see Table 1 of the EHP paper, comparing the 95th and 97.5th percentile values).

This issue, coupled with that in item 1 above, suggests that the current value of 15 ugPb/Lwater as an 'action level' of some kind is already protective of the 'representative child' mentioned directly in Approaches 1 and 2 of the Modeling Review Panel charges.

REPRESENTATIVE CHILD OR ANOTHER TARGET SUBGROUP

Continuing with the issue of the nature of the Six-Year review water data, it is not defined anywhere in the EPA risk assessment (including the EHP paper mentioned above) what specific subpopulation is represented by those data in regard to waterborne exposures. Again, the values in the database are clearly dominated by first draw samples (known to be higher on average than a true nationally representative sample) in homes suspected of being at greater-than-average risk of waterborne Pb exposures. This is not consistent with the idea of using a 'representative child' in Approaches 1 and 2, and does not produce an accurate probabilistic analysis under the methods in the EHP paper.

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While the AWWA has been able to fully reproduce the results of the EHP paper, including the Monte Carlo (probabilistic) analysis, the EHP paper does not describe the nature of the subpopulation exposed to water at these levels, or the percentile of the US population of children represented in the probabilistic results in the paper. Instead, the EHP paper provides the 95th and 97.5th (and other) percentiles for the SAMPLED population under the Six-Year review data, which is not the same as a nationally representative sample. In establishing a health benchmark based on any of the three proposed Approaches, the EPA should consider how it will enhance the database of water exposures to reflect the nationally-representative population characteristics mentioned in the three Approaches.

TRANSLATING BLOOD LEAD LEVEL TO IQ DECREMENT

The underlying health concern for Pb exposure of children is the impact on IQ during development. The epidemiological studies cited by the EPA use BLL value and IQ as the regression variables. However, the IQ measure is in children at the upper end of ages considered in the current analyses (including the EHP paper), as is the exposure (or dose) measure of BLL.

From these epidemiological studies, one can discern the value of the BLL that corresponds to a given increment of IQ, relative to very low BLL values. That is scientifically sound methodology. However, the EHP paper (and related documents) calculate the BLL at other, younger, ages, such as 0 to 6 months and 1 to 2 years.

Based on usual regulatory practice, there will be a tendency to use the value of the BLL associated with a given IQ decrement (as determined from the higher childhood ages noted above), and apply this limiting value to the two younger age groups, keeping all age groups below the assigned BLL. This would not be correct because the impact of BLL on IQ is cumulative over the period from birth (in fact, from fetus) to the age at which the BLL-IQ relationship was measured. This relationship already includes the impact of exposures at the younger ages. It is more scientifically correct, therefore, to assess the BLL throughout the period from birth (or fetus) to the age of measurement of IQ in the epidemiological studies.

COMPARING BENCHMARK APPROACHES

Continuing with the issue of the non-representative nature of the current water concentration database used in EPA analyses, consider the three health benchmark Approaches under consideration at the EPA:

The level of lead in drinking water that results in an individual infant or child's probability of an Elevated Blood Lead Level (EBLL) being increased by 1 or 5 percent.

The level of lead in drinking water that results in an individual infant or child's BLL increasing by 0.5 or 1 µg/dL.

The level of lead in drinking water that results in the 95th or 97.5th percentile of predicted BLLs in the U.S. population of infants or children being equal to 3.5 or 5 µg/dL.

Note that Approach 3, which is the Approach used in the EPA's EHP paper mentioned above, requires the representative national distribution (which is not currently available). However, Approaches 1 and 2 do not, as they seek a maximum water Pb concentration consistent with the stated aim. In addition, Approach 1 formulates the benchmark in terms of a percentage increase in BLL, which has little scientific basis and would be difficult to justify publicly as it is not related to any specific health outcome. Approach 2 is therefore the only one of the three that is both scientifically defensible (being related to a numerical decrease in IQ amongst a nationally representative population) and avoids the need for a representative water concentration distribution.

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Approach 2 also comes closest to the recommendation of the NDWAC if one considers a 'representative' or 'average' child's increase in BLL. Using the regression equations underlying Figure 4A of the EHP paper, the water concentration that produces an increment of 1 ug/dL at the 97.5th percentile is 7.4 ugPb/Lwater (3.7 ugPb/Lwater for 0.5 ug/dL). However, these two values are for an individual at the 97.5th percentile, and therefore not 'representative'. Table 1 of the EHP paper displays the BLL values calculated for the 50th (representative) and 97.5th percentiles in the case of aggregate exposure. The ratio of these two values (97.5th/50th) is approximately 4.6/1.3 or 3.5. The water concentration corresponding to a 1 ug/dL increment in the 50th (representative) percentile is therefore 26 ugPb/Lwater (13 ugPb/Lwater for 0.5 ug/dL increment). If one considers only variability due to water uptake, these values are approximately 20 ugPb/Lwater (10 ugPb/Lwater for 0.5 ug/dL increment).

USE OF RESULTING VALUE

Bear in mind also that all of the above potential target values refer to a volume-weighted average of water concentration in exposed individuals, and not a 'first-draw' sample. This is consistent with the nature of the exposure index in the epidemiological studies. The target value (or health benchmark, or whatever term is used in the end) of water concentration therefore should be compared against this volume-weighted average rather than a 'first-draw' value.

Prepared by Dr. Douglas Crawford-Brown

Dr. Douglas Crawford-Brown is Professor Emeritus of Environmental Science and Policy at the University of North Carolina - Chapel Hill, where he was founding Director of the UNC Institute for the Environment. He moved to the UK in 2007, becoming Director of the University of Cambridge Centre for Climate Change Mitigation Research. He retired in 2016 to focus on delivery of sustainability solutions globally, relocating to California. He has more than 35 years of experience in all aspects of environmental, energy, climate change and sustainability work. This includes advanced research, education, policy advising and stakeholder engagement, with past projects involving partners in business, industry, government, academia and NGOs. He has served on a wide array of state, national and international committees and has provided advice and training in the US, UK, EU, France, Abu Dhabi, Dubai, Japan, India, Mexico, Austria, Taiwan, Thailand and China. These public service activities include membership on the USEPA's National Pollution Prevention and Toxics Advisory Committee, National Drinking Water Advisory Committee, Clean Air Scientific Advisory Committee, and Endocrine Screening and Testing Advisory Committee; on the American Water Works Association Technical Advisory Workgroup; on the ILSI Expert Panel on Modeling Pesticide Concentrations in Water Supplies and the ILSI Committee on Aggregate Risk Assessment Issues in Surface and Groundwater Pesticide Contamination; on the UK's HM Treasury Engineering Interdependency Expert Group, the Climate Change Commission Climate Change Risk Assessment team and OFWAT's Regulatory Futures Panel; and on the International Commission on Radiological Protection Task Group on Age Dependent Metabolism and Dosimetry.

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Message

From: Moeller, Elizabeth V. [elizabeth.moeller@pillsburylaw.com]
Sent: 2/23/2018 2:43:53 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: 2/28 Meeting request - Executive Team from Teck Resources
Attachments: 2018-02-13_Letter to Chris Hladick, EPA Region 10 (00298818-6).pdf; February 13, 2018 Letter to Chris Hladick.pdf; Peter Rozee, Senior Vice President, Commercial and Legal Affairs, Teck.pdf; Teck US Factsheet - September 2017 4844-9877-1279 v.1.docx; 20180220_Christian Baxter - Director of Environmental Performance.docx; Tom Syer - BIO 2017 (2).docx

Dear Ryan,

I am reaching out on behalf of our firm's client, Teck Resources Limited, a Canadian natural resource company which employs more than 800 people in the U.S., including employees in Alaska, Minnesota, and Washington state. Teck has been named for seven consecutive years as one of the top 10% of the world's 2,500 largest public companies on the Dow Jones Sustainability index. Teck's spends an average of $375 million annually on procurement from U.S. suppliers.

Executives from Teck's headquarters will be in DC on Wednesday, February 28th and are hoping that you might have time for a brief visit to introduce the company to you and update you on an issue in Region 10. I understand that Ken Wagner will be in Denver that day hosting an Oil & Gas Round Table for the Administrator - would you or someone else on your team be available for a short meeting any time between 10:30 and 1:30?

At our meeting, I would be joined by Peter Rozee, Teck's Senior VP for Commercial and Legal Affairs, Christian Baxter, Director of Environmental Performance, and Tom Syer, Head of Government Affairs -- and two of my partners who are national experts in energy and environmental law.

Teck is actively engaged in the Upper Columbia River (UCR) Remedial Investigation & Feasibility Study (RI/FS) process that is underway in looking at the historical discharges from the Trail (Canada) smelter. The RI/FS was enabled through a (2006) Settlement Agreement between Teck and US government agencies with an initial estimated cost of $7 million. Under EPA Region 10's oversight, Teck has now spent more than a decade and $90 million investigating the UCR Site in a rigorous, multi-party process that appears to still remain years away from conclusion. Teck had a productive meeting recently with Regional Administrator Chris Hladick about the direction the process is taking. I am attaching Teck's follow up correspondence for your background.

Please let me know if you have any questions or need any additional information. Many thanks!

Best,
Elizabeth

Elizabeth Vella Moeller | Partner | Public Policy Group Leader
Pillsbury Winthrop Shaw Pittman LLP
1200 Seventeenth Street NW | Washington, DC 20036-3006
Ex. 6 f 202.663.8007 Ex. 6
elizabeth.moeller@pillsburylaw.com

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Marcia Smith
Senior Vice President, Sustainability and External Affairs
marcia.smith@teck.com

Teck Metals Ltd.
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Vancouver, BC Canada V6C 0B3

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Teck

By Email

February 13, 2018

Chris Hladick, Regional Administrator
United States Environmental Protection Agency, Region 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Dear Mr. Hladick:

Re: Upper Columbia River/Lake Roosevelt Site

I am writing to thank you again for taking the time to meet with my colleagues and me on February 6, so that we could provide some background information on Teck and outline Teck American Incorporated's activities in Washington State and Alaska, while sharing our perspective on the remedial investigation and feasibility study ("RI/FS") underway in the Upper Columbia River. I hope that we managed to convey Teck's commitment to working cooperatively with Indigenous communities, the EPA and State officials, both in Alaska and in Washington State, and our determination to do the right thing when it comes to legacy impacts of the historical activities of the smelter operations at Trail, British Columbia.

As Peter Rozee said at the meeting, from the beginning Teck has consistently said that if there are real risks to human health or the environment associated with Trail's historical operations, whether in Canada or in the United States, we will take appropriate action to deal with them. We have lived up to that commitment. We have conducted voluntary removal actions at Black Sand Beach and of soils at upland properties. It is important to note that significant soils removal were undertaken even after the Ninth Circuit Court of Appeals determined that Teck had no legal obligation to do so.

As discussed at the meeting, we have concerns with the direction that the RI/FS seems to be taking and Peter will be writing separately on that subject.

Again, thank you for taking the time to meet with us. We look forward to a productive working relationship as we move forward both at Red Dog and on this important work in the Upper Columbia River. Please do not hesitate to call if it would be helpful to discuss these matters. In addition, we would be very pleased to host a tour of either Red Dog or the UCR Site if you would find that informative.

Yours sincerely,

Marcia Smith
Senior Vice President, Sustainability and External Affairs

Cc: Sheryl Bilbrey, Director, Office of Environmental Cleanup, Environmental Protection Agency
Peter Rozee, Senior Vice President, Commercial and Legal Affairs
Kris McCaig, Manager, Environment and Public Affairs
Christian Baxter, Director, Environmental Performance
Tom Syer, Head, Government Affairs

00298818.6

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www.teck.com

Teck

Christian Baxter
Director, Environmental Performance
Teck Resources Limited

Christian Baxter is currently serving as Director, Environmental Performance. The focus of his role is to advance permitting and approvals for Teck's North American operations, support other regulatory processes and to develop and manage company-wide systems to steward Teck's environmental performance.

Prior to his current role, Christian served as Director, Regulatory Approvals. As a former member of Teck's Corporate Development team, he also has extensive experience in mergers and acquisitions, financial and divestment deals, and management of various technology investments. Christian joined Teck in 2007.

Christian holds a Master of Science degree in Geological Engineering from the Colorado School of Mines, and an MBA from the University of British Columbia. He is a registered Professional Engineer in British Columbia.

He also currently serves on the Board of Directors of the Vancouver Aquarium and is a Director at ZincNyx Energy Solutions, a company that is developing a zinc-air fuel cell system for large scale renewable energy storage.

About Teck

Teck is a diversified resource company committed to responsible mining and mineral development with major business units focused on copper, steelmaking coal, zinc, gold and energy. Headquartered in Vancouver, Canada, its shares are listed on the Toronto Stock Exchange under the symbols TCK.A and TCK.B and the New York Stock Exchange under the symbol TCK. Further information about Teck can be found at www.teck.com.

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By Email

February 13, 2018

Chris Hladick, Regional Administrator
United States Environmental Protection Agency, Region 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Dear Mr. Hladick:

Re: Upper Columbia River/Lake Roosevelt Site

I am writing further to my colleague Marcia Smiths' letter of today. Like Marcia, I would like to thank you again for taking the time to meet with us and for the helpful discussion on the remedial investigation and feasibility study ("RI/FS") underway in the Upper Columbia River. I do want to follow up and provide some greater detail regarding some of our process and substantive concerns regarding recent developments in the RI/FS process.

In summary we have serious concerns regarding recent developments, and the actions, technical direction, and decision-making of the Region 10 staff responsible for the UCR Site. As I mentioned at the meeting, the 2006 Settlement Agreement under which Teck American Inc. ("TAI") is performing the RI/FS, calls for the RI/FS to be designed and conducted in accordance with the principles of "risk-based analysis, bio availability, empirical testing and field confirmation". Despite millions of dollars invested to develop bioavailability-based understanding of the potential risks of metals in UCR sediments in accordance with the Settlement Agreement and best available science, it appears to us that Region 10 staff may have pre-judged the risk assessment outcome, and have arbitrarily fixed on "hot spot" removal based on sediment management standards as the remedial solution for the site. We strongly suggest that this conclusion is premature, taking into account the terms of the Settlement Agreement and the state of knowledge concerning the site based on the RI/FS work to date. For one thing, what is considered "hot" should depend on bioavailability, a question that has yet to be determined through the development of relevant standards in the risk assessment process. The heart of what we are exploring is - does marginal eco-toxicity to some benthic organisms really rise to the level of "unacceptable" ecological risk in an enormous system that doesn't have a benthic-driven food web? This is the key question that would be answered by the Baseline Ecological Risk Assessment (BERA).

Instead of moving forward with the completion of the BERA, we are now being asked to conduct yet *another* sediment sampling program this summer. I would note that the last sediment sampling program that EPA directed cost $5 million and took 5 years.

I realize that it is a daunting task to evaluate the technical issues at play, and to assess the relative merits of the views exchanged during our meeting and the issues outlined above regarding the path forward to completing the RI/FS. We firmly believe that it is in the best interest of all parties to bring the investigation phase of the RI/FS to a close expeditiously through completion of the baseline ecological and human health risk assessments in a manner that will provide a robust technical basis on which EPA can make appropriate determinations with respect to any necessary remedial activity in accordance with the risk-based principles of bio-availability contemplated by our 2006 settlement agreement.

Teck

We are disappointed with the parallel process being pursued by Region 10 staff, on the basis of data generated outside of the RI/FS, without TAI input, and the resulting directive to conduct yet another extensive sediment sampling campaign based on the Washington State sediment management standards. This approach invites conflict, waste and delay. TAI remains committed to continuing to meet its obligations under the Settlement Agreement as the work-performing party, and is fully prepared to evaluate whether there may still be material data gaps, and to conduct the ecological risk assessment that can focus further appropriate work at the site.

Again, we appreciate having had the opportunity to meet with you. We do not raise these concerns as a means to avoid responsibility, and we do not raise them at your level of leadership lightly. We raise them because we believe we are at a critical point in the RI/FS, where the decision-making over the very near term will determine whether the best science and public policy is used to make decisions regarding the site. Despite our concerns, we hope that we are able to work with your staff to put the RI/FS process back on a more constructive path, and to build on the excellent work done to date.

Yours sincerely,

Peter Rozee

Peter Rozee
Senior Vice President, Commercial and Legal Affairs

Cc: Sheryl Bilbrey, Director, Office of Environmental Cleanup, Environmental Protection Agency
Marcia Smith, Senior Vice President, Sustainability and External Affairs
Kris McCaig, Manager, Environment and Public Affairs
Christian Baxter, Director, Environmental Performance
Tom Syer, Head, Government Affairs

Teck

Peter Rozee
Senior Vice President, Commercial and Legal Affairs
Teck Resources Limited

Peter Rozee is Senior Vice President, Commercial and Legal Affairs of Teck, a position he has held since April 2010. He joined Teck Corporation in 2001 as Vice President, Commercial and Legal Affairs. In 2005, he was appointed Senior Vice President, Commercial Affairs.

Prior to joining Teck, Mr. Rozee was General Counsel of Inmet Mining Corporation from 1993 to 2001. He also practiced law with the Tory law firm in Toronto from 1989 to 1993.

Mr. Rozee holds a B.A. from Trinity College, University of Toronto and an LLB from Osgoode Hall Law School. His professional memberships include the Law Societies of Upper Canada and British Columbia, and the Association of Canadian General Counsel.

About Teck

Teck is a diversified resource company committed to responsible mining and mineral development with major business units focused on copper, steelmaking coal, zinc, gold and energy. Headquartered in Vancouver, Canada, its shares are listed on the Toronto Stock Exchange under the symbols TCK.A and TCK.B and the New York Stock Exchange under the symbol TCK. Further information about Teck can be found at www.teck.com.

Teck in the United States

Fast Facts

2
Mines operated by Teck in the U.S. producing zinc and lead

800
Approximate number of people we directly employ in the U.S.

US$375 million
Average spend on procurement from U.S. suppliers

US$1.16 billion
Total global sales from our U.S. operations in 2016

7
Consecutive years named to the Dow Jones Sustainability Index, ranking Teck in the top 10% of the world's 2,500 largest public companies

Teck Operations & Projects in the U.S.

Company Overview & Presence in the U.S.

Teck is a diversified natural resource company and global sustainability leader with over 100 years of experience and major business units focused on steelmaking coal, copper, zinc and energy. Headquartered in Vancouver, Canada, we own, or have interest in, 12 mines in the United States, Canada, Chile and Peru and exploration projects around the world.

Teck has a significant economic presence in the U.S., including corporate offices in Anchorage, Alaska, and Spokane, Washington State.

We own the Red Dog Mine in northwest Alaska, which is one of the world's largest open-pit zinc mines and has been developed through a unique operating agreement with the land-owner NANA, a Regional Alaska Native corporation owned by the Inupiat people of northwest Alaska. Red Dog is the top employer in the region and a major source of economic activity, providing significant revenues for services in the region.

We also own Pend Oreille Operations, an underground zinc and lead mine in Washington State.

In addition to active mining operations, we own the Mesaba Copper-Nickel Development Project located in the Mesabi Iron Range Mining district of northern Minnesota.

Tom Syer is Director, Government Affairs at Teck Resources – Canada's largest diversified resource company, based in Vancouver. He has 20 years of experience in leadership roles within the public and private sectors working on policy development with specific focuses on natural resource development, climate change, and Indigenous relations. He has been involved in the development and roll-out of numerous provincial and federal policy initiatives and in the private sector, has been responsible for advancing resource development policies and Indigenous relationships, including successfully negotiating comprehensive agreements for the largest wind farm and run-of-river projects in Western Canada. Prior to joining Teck, his diverse work experience has included: Deputy Chief of Staff for Policy Coordination and Issues Management in the Province of British Columbia government (2002-2007); Director of First Nation and Corporate Relations for a successful B.C. based renewable energy company (2007-2012); and as Vice President of Policy and Communications at the Business Council of British Columbia (2012-2015). He has actively led and participated in numerous multi-lateral initiatives, policy committees and reviews including chairing the Energy and Indigenous Affairs Committees at the Business Council. Tom is active volunteer and is currently on the Board of Central City Foundation – Vancouver's longest running downtown charity. Tom holds a Master of Arts and Bachelor of Business Administration from Simon Fraser University and lives in Vancouver with his family.

Message

From: Marc Himmelstein [Marc_Himmelstein@nes-dc.com]
Sent: 2/21/2018 3:37:25 PM
To: Michael Catanzaro [Ex. 6] Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Help-MBT

Finally got BN to coordinate with us
We believe we have come up with a simple, straightforward solution to the 401 guidance issue
Dava, the BN lawyer who used to be at the Corps can be in town next Friday the 2nd
Is it possible to coordinate a meeting with you two, Lee F, maybe Ross and Alex
Meeting will take no more than 30 minutes and we believe that this will help solve the problem
Thanks

Sent from my iPhone

Message

From: Ex. 6
Sent: 2/20/2018 7:15:10 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Following up - Ted Hollingsworth
Attachments: Ex. 6

Ryan,

I was following up to an earlier email to you regarding possible communications positions at EPA. Our mutual friend, Ted Hollingsworth suggested that I reach out to you. I am sure that you are very busy. I met recently with Joe Uddo at DOE who said he would forward my information to Charles Munoz to review, too.

Thank you for your consideration.

On Wednesday, January 31, 2018, 10:08:34 AM EST, Ex. 6 wrote:

Ryan,

Ted Hollingsworth recently emailed you that I am currently beginning a job search having recently departed from the Ex. 6

Ex. 6

Thank you agian for your time.

Ex. 6

Ex. 6

Ex. 6

Message

From: Karen Matthias [kjmatthias@alaskaproducers.org]
Sent: 1/26/2018 5:24:13 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Pebble: Please withdraw the Proposed Determination

Dear Mr. Jackson,

The Council of Alaska Producers (CAP) urges the US Environmental Protection Agency (EPA) to withdraw its Proposed Determination pursuant to Section 404(c) of the Clean Water Act regarding the Pebble Deposit Area in Southwest Alaska. This Proposed Determination undermines the existing regulatory responsibilities of state and federal agencies and weakens the authority of the NEPA process.

CAP is a non-profit trade association formed in 1992, representing the interests of large metal mines and mine developmental projects in Alaska. CAP represents and informs members on legislative and regulatory issues, supports and advances the mining industry, educates members, the media, and the general public on mining related issues, and promotes economic opportunity and environmentally sound mining practices.

The development of our natural resources requires a regulatory framework that is rigorous, science based, transparent, and predictable. This means allowing permits to be filed, evaluating a specific plan of operation, encouraging public involvement, measuring impacts, and thoroughly assessing options for mitigation and protection. Instead, this Proposed Determination prematurely envisions adverse impacts based on hypothetical scenarios and flawed modeling that disregards mitigation and the changes to the mine plan.

Out of respect for the rule of law and the existing NEPA process, the EPA should withdraw this ill-advised Proposed Determination.

Karen Matthias
Executive Director
Council of Alaska Producers
PO Box 220193
Anchorage, AK 99522-0193
Ex. 6
kjmatthias@alaskaproducers.org
www.alaskaproducers.org

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To: Thomas Gibson[tgibson@steel.org]
From: Forsgren, Lee[/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A055D7329D5B470FBAA9920CE1B68A7D-FORSGREN, D]
Sent: Wed 2/7/2018 11:24:17 PM (UTC)
Subject: RE: EPA Waivers of AIS requirements

Tom,

I really appreciate whatever you can do.

Thanks,
Lee

From: Thomas Gibson [mailto:tgibson@steel.org]
Sent: Wednesday, February 7, 2018 6:23 PM
To: Forsgren, Lee <Forsgren.Lee@epa.gov>
Subject: Re: EPA Waivers of AIS requirements

Lee

Everybody involved is in Mexico but I will give it my best effort.

Tom

Sent from my iPad
On Feb 7, 2018, at 6:21 PM, Forsgren, Lee <Forsgren.Lee@epa.gov> wrote:

> Tom,
>
> I wanted to follow up and see if there was any way that we could get the letter or even an email that we discussed last week sometime this week? I know you are very busy but it would really be helpful to our efforts on AIS enforcement and waivers generally.
>
> Regards,
> Lee
>
> ---
>
> **From:** Thomas Gibson [mailto:tgibson@steel.org]
> **Sent:** Thursday, February 1, 2018 4:13 PM
> **To:** Forsgren, Lee <Forsgren.Lee@epa.gov>
> **Subject:** Re: EPA Waivers of AIS requirements
>
> Lee
>
> Last event is running very late. I have a role and I can't easily excuse myself. Is tomorrow AM timely?
>
> Tom
>
> Sent from my iPad
> On Feb 1, 2018, at 11:12 AM, Forsgren, Lee <Forsgren.Lee@epa.gov> wrote:
>
>> That is great. Call me EPA Cell at Ex. 6 That way I can answer it wherever I am.
>
>
>

Sent from my iPhone
On Feb 1, 2018, at 10:42 AM, Forsgren, Lee <Forsgren.Lee@epa.gov> wrote:

That would work. How about after 4:30 pm.

From: Thomas Gibson [mailto:tgibson@steel.org]
Sent: Thursday, February 1, 2018 10:41 AM
To: Forsgren, Lee <Forsgren.Lee@epa.gov>
Cc: Kevin Dempsey <kdempsey@steel.org>
Subject: Re: EPA Waivers of AIS requirements

Lee

Is mid to late afternoon ok? Serial meetings today.

Tom

Sent from my iPhone
On Feb 1, 2018, at 9:57 AM, Forsgren, Lee <Forsgren.Lee@epa.gov> wrote:

Tom,

Could I follow up with you on the AIS program when you have a moment.

Regards,
Lee

D. Lee Forsgren
Deputy Assistant Administrator
Office Of Water
Environmental Protection Agency
1200 Pennsylvania Avenue, VW
Room 3219 WJCE
Washington, DC 20460
Phone: 202-564-5700
Forsgren.Lee@epa.gov

From: Thomas Gibson [mailto:tgibson@steel.org]
Sent: Tuesday, November 21, 2017 4:24 PM
To: Forsgren, Lee <Forsgren.Lee@epa.gov>
Cc: Kevin Dempsey <kdempsey@steel.org>
Subject: Re: EPA Waivers of AIS requirements

Lee

You can reach me tonight or tomorrow Ex. 6 I have s lot of calls AM, most short except for Call Zt 9:40, so if I don't pick up then I will call right back.

Tom

Sent from my iPhone
On Nov 20, 2017, at 9:34 AM, Forsgren, Lee <Forsgren.Lee@epa.gov> wrote:

No problem at all. Heaven forbid you have to spend time with

your members first!

From: Thomas Gibson [mailto:tgibson@steel.org]
Sent: Monday, November 20, 2017 9:26 AM
To: Forsgren, Lee <Forsgren.Lee@epa.gov>
Cc: Kevin Dempsey <kdempsey@steel.org>
Subject: Re: EPA Waivers of AIS requirements

Hello Lee,

I am on a member meeting a today. I will give you call tomorrow.

Tom

Sent from my iPhone
On Nov 20, 2017, at 9:22 AM, Forsgren, Lee <Forsgren.Lee@epa.gov> wrote:

> Tom,
>
> Just wanted to follow up and see if there are any of the projects that we discussed that you are aware of a U.S. Manufacturer that might be able to provide the components?
>
> If you could get back to me this week I would greatly appreciate it.
>
> Regards,
> Lee
>
> ---
>
> **From:** Forsgren, Lee
> **Sent:** Thursday, November 9, 2017 8:16 AM
> **To:** 'Thomas Gibson' <tgibson@steel.org>
> **Subject:** RE: EPA Waivers of AIS requirements
>
> Tom,
>
> Per our conversation. I have been informed that the comment periods are technically closed on the vast majority of projects (tight statutorily required period) but we have always maintained a policy that EPA is open, at any time, to any information that an American product is available. So we are basically in a position that if any of your members or other members of the Buy America coalition can provide information that they can or do make the components in question we would be thrilled to be informed of that fact.
>
> I would ask that your folks please review the projects expeditiously so that we can move forward with decisions on the AIS waivers in a timely manner. This will allow for the expeditious procurement of the vast majority of these projects that are American made.

Regards,
Lee

D. Lee Forsgren
Deputy Assistant Administrator
Office Of Water
Environmental Protection Agency
1200 Pennsylvania Avenue, VW
Room 3219 WJCE
Washington, DC 20460
Phone: 202-564-5700
Forsgren.Lee@epa.gov

From: Thomas Gibson [mailto:tgibson@steel.org]
Sent: Tuesday, November 7, 2017 2:32 PM
To: Forsgren, Lee <Forsgren.Lee@epa.gov>
Subject: Re: EPA Waivers of AIS requirements

Hello Lee,

Sorry I could not call back. At an event outside the country with a lot of my Board members.

I am going to get on this and get back to you.

Tom

Sent from my iPad
On Nov 7, 2017, at 2:30 PM, Forsgren, Lee <Forsgren.Lee@epa.gov> wrote:

> Tom,
> I know this is a voice from long ago but as you can see I have returned to government service and am the Deputy Assistant Administrator for Water At EPA. I would respectfully ask for your help. Per Administrator Pruitt's suggestion and as part of the Agency's due diligence, I am reaching out to you to determine if any members of your organization can provide American made products that would allow these projects to be completed without EPA having to issue a wavier under the American Iron and Steel provision of the 2014 Water Resources Development Act.
>
> Given your experience with the Agency I am sure you can understand that we would ask for a timely review of the existing projects and an

answer if your members are willing and able to provide the items necessary to complete these projects. Any assistance you and your organization might be willing to provide would be most appreciated.

I am attaching a list of projects and a general description of the item and its value for your review. If you have any questions please don't hesitate to contact me on my EPA cell at Ex. 6
Ex. 6

Regards,
Lee

D. Lee Forsgren
Deputy Assistant Administrator
Office Of Water
Environmental Protection Agency
1200 Pennsylvania Avenue, VW
Room 3219 WJCE
Washington, DC 20460
Phone: 202-564-5700
Forsgren.Lee@epa.gov

<Proposed 2017 AIS waivers.docx>

Message

From: Nason, Wesley P [Wesley.Nason@mbakerintl.com]
Sent: 1/26/2018 5:20:07 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]; scott.pruitt@epa.gov
Subject: Pebble EPA determination withdrawal

Dear Administrator Pruitt and Mr. Jackson,

We have heard that the EPA might make an announcement today that they will not withdraw the Proposed Determination on Pebble.

If true, this is not fair or acceptable to those of us in the resource development industry who rely on regulatory fairness and certainty.

The unprecedented move by the Obama EPA to invoke a new method of stopping development should be reversed.

Please do the right thing and reverse the Obama EPA on their 'determination' regarding potential harm to the watershed. The watershed is huge and one mine, even a very large mine, will not degrade the watershed or the fisheries of Bristol Bay.

Please restore credibility and objectivity to the EPA.

Very truly yours,

W. P. (Wes) Nason

Ex. 6

Message

From: Erickson, Dave (SHB) [DERICKSON@shb.com]
Sent: 2/5/2018 9:47:15 PM
To: John C. Cruden [JCruden@bdlaw.com]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Our conversation today

Ryan,

It is good to meet you by email and I hope we are able to talk in person sometime soon.

I am out of the office today, but I should be in the office tomorrow and for the rest of the week. Although I have a few calls and meetings that are already scheduled, I should be generally available all week.

Please suggest some times when you would be available for a conference call to discuss the ACOEL presentations that we are trying to set up and I will send a meeting planner and conference call in number.

Thank you for your consideration. I look forward to speaking with you soon.

Best regards,

Dave
David R. Erickson
Partner
Shook, Hardy & Bacon L.L.P.
2555 Grand Blvd
Kansas City, Missouri
64108

Ex. 6
Fax 816-421-5547
derickson@shb.com

From: John C. Cruden [mailto:JCruden@bdlaw.com]
Sent: Monday, February 5, 2018 3:18 PM
To: Erickson, Dave (SHB) <DERICKSON@shb.com>; jackson.ryan@epa.gov
Subject: Our conversation today

Ryan – I thought your words, and Susan's presentation, were superb today. And, good to have her family in the audience.

As I mentioned, I am the current President of the American College of Environmental Lawyers and one of our goals this year is to have key EPA leaders speak to our organization (by phone). Dave Erickson, one of our most distinguished attorneys, and the leader of our Government Liaison committee, is leading this effort. I appreciate your willingness to speak.

By this e mail I am introducing you to David so he can arrange such a presentation. These presentations are quite informal, we give you the questions in advance, and they are done to introduce EPA leadership to the leading environmental lawyers in the nation.

Warm regards

John

John C. Cruden
Principal

BEVERIDGE & DIAMOND, P.C.
Ex. 6 F +1.202.789.6190 JCruden@bdlaw.com

Mail Gate made the following annotations on Mon Feb 05 2018 15:47:17

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Message

From: rich.gold@hklaw.com [rich.gold@hklaw.com]
Sent: 2/16/2018 6:26:14 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Fwd: Meeting Request with Administrator Pruitt - Portland Harbor PCI Private Business Group
Attachments: EPA Administrator Pruitt External Meeting Request Form.docx; ATT00001.htm

FYI

Rich Gold | Holland & Knight
Practice Group Leader
Public Policy & Regulation Group
Holland & Knight LLP
800 17th Street N.W., Suite 1100 | Washington, DC 20006<x-apple-data-detectors://1/1>
Ex. 6
rich.gold@hklaw.com<mailto:rich.gold@hklaw.com> | @HK_PPR

Add to address book<http://www.hklaw.com/vcard.aspx?user=Rgold> | View professional biography<http://www.hklaw.com/id77/biosRgold>

Begin forwarded message:

From: "Ford, Hayley" <ford.hayley@epa.gov<mailto:ford.hayley@epa.gov>>
Date: February 16, 2018 at 1:13:04 PM EST
To: "rich.gold@hklaw.com<mailto:rich.gold@hklaw.com>" <rich.gold@hklaw.com<mailto:rich.gold@hklaw.com>>, "Marissa.Serafino@hklaw.com<mailto:Marissa.Serafino@hklaw.com>" <Marissa.Serafino@hklaw.com<mailto:Marissa.Serafino@hklaw.com>>
Cc: "Hupp, Millan" <hupp.millan@epa.gov<mailto:hupp.millan@epa.gov>>
Subject: RE: Meeting Request with Administrator Pruitt - Portland Harbor PCI Private Business Group

Hello Rich,

Thank you for this request and appreciate your patience here. I am happy to set this up for you. Can you please complete the attached meeting request form so that we have on file? I can then follow up with a time that would work best. If you have any preferences on timing, please indicate so in the request.

Thank you and we look forward to getting you in to meet with the Administrator!

Hayley Ford
Deputy White House Liaison and Personal Aide to the Administrator
Environmental Protection Agency
ford.hayley@epa.gov<mailto:ford.hayley@epa.gov>
Phone: 202-564-2022
Ex. 6

From: <rich.gold@hklaw.com<mailto:rich.gold@hklaw.com>>
Date: February 15, 2018 at 8:34:39 PM EST
To: <Marissa.Serafino@hklaw.com<mailto:Marissa.Serafino@hklaw.com>>
Cc: <hupp.millan@epa.gov<mailto:hupp.millan@epa.gov>>, <jackson.ryan@epa.gov<mailto:jackson.ryan@epa.gov>>
Subject: Re: Meeting Request with Administrator Pruitt - Portland Harbor PCI Private Business Group

I think you all have this in process already. We just wanted to check in. Any update appreciated.

Rich Gold | Holland & Knight
Practice Group Leader
Public Policy & Regulation Group
Holland & Knight LLP
800 17th Street N.W., Suite 1100 | Washington, DC 20006<x-apple-data-detectors://1/1>
Ex. 6
rich.gold@hklaw.com<mailto:rich.gold@hklaw.com><mailto:rich.gold@hklaw.com> | @HK_PPR

Add to address book<http://www.hklaw.com/vcard.aspx?user=Rgold> | View professional biography<http://www.hklaw.com/id77/biosRgold>

On Feb 15, 2018, at 6:44 PM, Serafino, Marissa C Ex. 6
<Marissa.Serafino@hklaw.com<mailto:Marissa.Serafino@hklaw.com><mailto:Marissa.Serafino@hklaw.com>> wrote:

Hi Millan,

Members of the Portland Harbor PCI Private Business Group, including representatives from Schnitzer Steel Industries, ExxonMobil and Ash Grove Cement, request a meeting with EPA Administrator Pruitt on February 28. A formal request letter is attached.

The purpose of the meeting is to discuss how public-private partnerships can advance the cleanup at the Portland Harbor Superfund Site, including the site's sampling plan, which Schnitzer Steel and three other companies agreed to with EPA in December 2017.

Please let us know the Administrator's availability.

Thank you,
Marissa

Marissa Serafino | Holland & Knight
Public Affairs Advisor
Holland & Knight LLP
800 17th Street N.W., Suite 1100 | Washington, DC 20006
Ex. 6 Fax 202.955.5564
marissa.serafino@hklaw.com<mailto:marissa.serafino@hklaw.com><mailto:marissa.serafino@hklaw.com> | www.hklaw.com<http://www.hklaw.com><http://www.hklaw.com/>

Add to address book<http://www.hklaw.com/vcard.aspx?user=mcserafino> | View professional biography<http://www.hklaw.com/id77/biosmcserafino>

<PH-Feb 2018 Portland Harbor meeting request to EPA Administrator.pdf>

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[SEQ CHAPTER \h \r 1]Meeting Request Form for Administrator Scott Pruitt

Today's Date:

Meeting Date:

Meeting Time:

Requested Location (if offsite, please list address, parking instructions, etc.):

Requestor:

Purpose of the Meeting:

Background on the Meeting:

Role of the Administrator:

Attendees:

Point of Contact:

Message

From: rich.gold@hklaw.com [rich.gold@hklaw.com]
Sent: 2/16/2018 6:11:22 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: EPA Portland Harbor Press Release

Portland Harbor Superfund Site

Sampling Plan Update for Meeting with EPA Administrator Pruitt

On December 19, 2017, the Environmental Protection Agency (EPA) and the Oregon Department of Environmental Quality finalized an agreement with four companies—Schnitzer Steel, Evraz, the Marine Group and Arkema—to test the Portland Harbor Superfund Site in Portland, OR for pollutants, and to take and help fund early actions, such as "hot spot" removal in the most heavily contaminated areas of the waterway. The pollution levels identified from sampling and after early actions are taken will help determine how much cleanup is needed to meet EPA's standards, and will be used to allocate the cost of remediation to different parties.

On <x-apple-data-detectors://1> February 28<x-apple-data-detectors://1>, members of the Portland Harbor PCI Private Business Group, including representatives from Schnitzer Steel Industries, ExxonMobil and Ash Grove Cement, request a meeting with EPA Administrator Pruitt to discuss the importance of the sampling plan, and how it will be implemented moving forward in conjunction with several early actions underway at the Site. With proper coordination and cooperation among stakeholders and the Agency, this pre-remedial will allow EPA in 12-18 months to be at the 30 percent design stage, enabling preparation for final design and then remediation.

This sampling plan managed to overcome 15 years of conflict at the Portland Harbor Site—which was added to the Superfund National Priorities List in 2000 and has more than 150 public and private parties potentially responsible. On December 8, 2017, EPA Administrator Pruitt appropriately added the Portland Harbor Site to his list of Superfund Sites Targeted for Immediate, Intense Action, signaling his intent to expedite cleanup in a safe and cost-effective manner.

We will need the Administrator's leadership and engagement to get through the next phase. We want to discuss what the private parties will be doing in the field and the lab over the next year, as well as how to use this work to reach a final cleanup agreement that has the potential to be one of the major achievements of the President's first term.

Rich Gold | Holland & Knight
Practice Group Leader
Public Policy & Regulation Group
Holland & Knight LLP
800 17th Street N.W., Suite 1100 | Washington, DC 20006<x-apple-data-detectors://1/1>
Ex. 6
rich.gold@hklaw.com<mailto:rich.gold@hklaw.com> | @HK_PPR
Add to address book<http://www.hklaw.com/vcard.aspx?user=Rgold> | View professional biography<http://www.hklaw.com/id77/biosRgold>

On Feb 16, 2018, at 11:25 AM, Jackson, Ryan <jackson.ryan@epa.gov<mailto:jackson.ryan@epa.gov>> wrote:

I know, but I mean a backgrounder on the course of the conversation.

-----Original Message-----
From: rich.gold@hklaw.com<mailto:rich.gold@hklaw.com> [mailto:rich.gold@hklaw.com]
Sent: Wednesday, February 14, 2018 7:35 AM
To: Jackson, Ryan <jackson.ryan@epa.gov<mailto:jackson.ryan@epa.gov>>
Subject: Fwd: EPA Portland Harbor Press Release

This is probably the most current background on the deal and the work the companies are doing who are flying in for mtg.

Rich Gold | Holland & Knight
Practice Group Leader
Public Policy & Regulation Group
Holland & Knight LLP
800 17th Street N.W., Suite 1100 | Washington, DC 20006<x-apple-data-detectors://1/1>
Ex. 6
rich.gold@hklaw.com<mailto:rich.gold@hklaw.com><mailto:rich.gold@hklaw.com> | @HK_PPR
Add to address book<http://www.hklaw.com/vcard.aspx?user=Rgold> | View professional biography<http://www.hklaw.com/id77/biosRgold>

Begin forwarded message:

From: "Grantham, Nancy"
<Grantham.Nancy@epa.gov<mailto:Grantham.Nancy@epa.gov><mailto:Grantham.Nancy@epa.gov>>
Date: December 19, 2017 at 4:42:35 PM EST
To: "rich.gold@hklaw.com<mailto:rich.gold@hklaw.com><mailto:rich.gold@hklaw.com>"
<rich.gold@hklaw.com<mailto:rich.gold@hklaw.com><mailto:rich.gold@hklaw.com>>, "Kelly, Albert"
<kelly.albert@epa.gov<mailto:kelly.albert@epa.gov><mailto:kelly.albert@epa.gov>>
Cc: "Grantham, Nancy"
<Grantham.Nancy@epa.gov<mailto:Grantham.Nancy@epa.gov><mailto:Grantham.Nancy@epa.gov>>
Subject: EPA Portland Harbor Press Release

Going out now

Thanks ng

Nancy Grantham
Office of Public Affairs
US Environmental Protection Agency
202-564-6879 (desk)
Ex. 6

[cid:image005.jpg@01D378CC.552584A0]

Date: December 19, 2017

Contact: Suzanne Skadowski, EPA, 206-553-2160 / Laura Gleim, DEQ, 503-229-6488

EPA and Oregon DEQ Move Portland Harbor Superfund Cleanup Forward

One year after cleanup plan was released, agencies announce important accomplishments that will lay the foundation for cleanup work ahead.

PORTLAND - Today the U.S. Environmental Protection Agency and Oregon Department of Environmental Quality announced key milestones and significant progress in moving the cleanup of the Portland Harbor Superfund Site forward. EPA recently reached agreements with responsible parties for critical baseline sampling and for major "hot spot" early cleanup actions in the most heavily contaminated areas of the river. In addition, DEQ has completed work at 65 percent of the known upland sources of pollution to the river, work that will ensure cleaned areas aren't re-contaminated.

"We're pleased with the progress we've made in this first year implementing the Record of Decision for Portland Harbor and we are committed to keeping up the momentum," said EPA Administrator Scott Pruitt. "By cooperating with the state, the tribal nations, other federal partners and the responsible parties, we will keep the cleanup moving toward our shared goals of reducing risks to people and the environment, and returning the Lower Willamette to a healthier and more vital working waterway for all."

"We're proud of the progress we've made this year removing pollution sources and completing hot spot cleanups along the river," said DEQ Director Richard Whitman. "A cleaner harbor will protect communities that rely on the river and set the stage for Portland to re-emerge as a vital river city, bringing new jobs and opportunity to Oregonians."

In January 2017, EPA issued the Record of Decision, or final cleanup plan, for the Portland Harbor Superfund Site, a 10-mile stretch of the Lower Willamette River in Portland, Oregon. The cleanup will reduce health risks to people, fish, and wildlife, and set the stage for commercial and industrial redevelopment and revitalization of the river and waterfront that runs through the economic heart of Portland. Since that time, EPA has been negotiating agreements and helped convene the many responsible parties to ensure cleanup work moves forward. EPA and DEQ have continued to engage communities, tribes, state and local governments, environmental organizations and business and industry groups to restore the health and vitality of the Willamette River. EPA recently announced that Portland Harbor is one of 21 priority Superfund sites across the country targeted by the EPA Administrator's Superfund Task Force for immediate and intense attention (see announcement here<https://urldefense.proofpoint.com/v2/url?u=https-3A__www.epa.gov_superfund_superfund-2Dsites-2Dtargeted-2Dimmediate-2Dintense-2Daction&d=DwMFAg&c=14jPbF-

1hWnYXveJ5rixtS_Fo3DRrpL7HUwJDAc4HIc&r=btZnmVqpKvZ54gR2K_YWJbZCIGosedlog4oqxBYgW7g&m=qru5qAleQBA042ysgl4NBpfbVJF7D5_jT3bEtL7Uqi4&s=2N7iamC36mvi0T4oYovneYsQs3y0eLDMZ-7Tw_ttynY&e=>).

Highlights of EPA's cleanup accomplishments this year include:

* Reached agreement with responsible parties for sampling and cleanup design plans for the Gasco/Siltronic early action cleanup and continued negotiations on agreements for other Early Action Areas<https://urldefense.proofpoint.com/v2/url?u=https-3A__yosemite.epa.gov_R10_CLEANUP.NSF_ph_Technical-2BDocuments-21OpenDocument-26ExpandSection-3D2-23-5FSection2&d=DwMFAg&c=14jPbF-1hWnYXveJ5rixtS_Fo3DRrpL7HUwJDAc4HIc&r=btZnmVqpKvZ54gR2K_YWJbZCIGosedlog4oqxBYgW7g&m=qru5qAleQBA042ysgl4NBpfbVJF7D5_jT3bEtL7Uqi4&s=EImA94UAUzQBpqa2NCZmmknLiOSDdHlp8UkbQTV_ZY0&e=>, including the River Mile 11 East area. Focused on highest priority and highest risk areas, hot spot cleanups are expected to start in two to three years.

* Developed a framework for a site-wide sampling plan<https://urldefense.proofpoint.com/v2/url?u=http-3A__semspub.epa.gov_src_document_10_100049036&d=DwMFAg&c=14jPbF-1hWnYXveJ5rixtS_Fo3DRrpL7HUwJDAc4HIc&r=btZnmVqpKvZ54gR2K_YWJbZCIGosedlog4oqxBYgW7g&m=qru5qAleQBA042ysgl4NBpfbVJF7D5_jT3bEtL7Uqi4&s=L4TY2HP9-FZfeQVkN7u6V2I5SyWhTvwA6N_vtTCL5Ow&e=> to update site conditions and refine the active cleanup area boundaries.

* Reached agreement [link to agreement] with a Pre-Remedial Design group of responsible parties to conduct most of the site-wide baseline sampling to help inform and focus the site-wide cleanup designs.

* Expect baseline sampling data to aid the allocation process by providing more certainty about cleanup costs as responsible parties seek agreement on their relative shares of responsibility for the cleanup.

The EPA-DEQ Partnership

Under a 2001 Memorandum of Understanding<https://urldefense.proofpoint.com/v2/url?u=http-3A__semspub.epa.gov_src_document_10_1128679.pdf&d=DwMFAg&c=14jPbF-1hWnYXveJ5rixtS_Fo3DRrpL7HUwJDAc4HIc&r=btZnmVqpKvZ54gR2K_YWJbZCIGosedlog4oqxBYgW7g&m=qru5qAleQBA042ysgl4NBpfbVJF7D5_jT3bEtL7Uqi4&s=AgqCKAY6ACuqZI2vlI852aAPNB-w6B8MvIth_lh_OU0&e=>, EPA manages the cleanup of the in-river areas of the site and DEQ is responsible for the "upland" portion, the contaminated lands along the river. DEQ is investigating and cleaning up contaminated sites along the river uplands to identify and eliminate sources of pollution that can move into the river. To date, DEQ has completed work on about 65 percent, or 110 out of 173, of identified sites needing pollution control, and is actively working on 54 other sites. These source control efforts will ensure that cleaned up areas aren't re-contaminated and that the cleanup is effective over the long term. DEQ cleanup sites and activities can be found on an interactive Portland Harbor Map<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.oregon.gov_deq_FilterDocs_PortlandHarborMap.pdf&d=DwMFAg&c=14jPbF-1hWnYXveJ5rixtS_Fo3DRrpL7HUwJDAc4HIc&r=btZnmVqpKvZ54gR2K_YWJbZCIGosedlog4oqxBYgW7g&m=qru5qAleQBA042ysgl4NBpfbVJF7D5_jT3bEtL7Uqi4&s=2tk9OrYYIxCBxeKOvid9tioXUllHwgmbs6oZHfQUeLo&e=>.

Highlights of DEQ's cleanup accomplishments this year include:

* Completed cleanup actions at five of six contaminated sediment sites in the Downtown Reach, the 5-mile segment upriver of Portland Harbor at Station L, Ross Island Lagoon, Zidell, River Mile 13.1 and River Mile 13.5.

* Issued a Record of Decision for the former Portland Gas Manufacturing site near the Steel Bridge earlier this year with cleanup work expected to occur in 2019.

* Conducted sediment investigation in the 10-mile segment above the Downtown Reach with $100K in EPA grant funding. Additional sampling in the Downtown Reach is planned in early 2018 to resolve remaining data gaps.

* Began working with EPA, tribes and community groups in the Willamette River Toxics Reduction Partnership to identify and assess potential sources of contamination in the Willamette River watershed upriver from Portland Harbor.

The Portland Harbor Site spans 10 miles of the Lower Willamette River. The river sediments, surface water, and the fish that reside in the harbor have high levels of PCBs, PAHs, dioxins/furans, DDT and other pesticides which present an unacceptable risk to people's health, especially subsistence and tribal fishers, and to the environment. The cleanup will reduce people's exposure to high levels of contaminants and will make it safer for all but the most sensitive people to eat more fish from the river more often, and make it safe for people to work and play on the river banks and beaches. The final cleanup plan, released in January 2017, resulted from over 16 years of intensive study and the input EPA received from more than 5,000 public comments.

Under the cleanup plan, contaminated sediments at the site will be addressed through dredging, capping, enhanced natural recovery, and monitored natural recovery. Approximately 394 acres of sediment, out of 2,190 total acres in the site, will be actively remediated with dredging and capping, including removal of over three million cubic yards of contaminated sediments. Approximately 1,774 acres of the site with

lower contaminant levels are expected to recover naturally over time. Active cleanup construction work is expected to take about 13 years and cost $1 billion. Following the active cleanup construction phase, EPA expects a 100-fold reduction in contamination-related cancer and other serious risks. The river's natural recovery process will further reduce these risks.

Following years of extensive community outreach during the cleanup study and development of the Portland Harbor cleanup plan, EPA continues working with communities, tribes, state and local government, environmental organizations, business and industry groups and other stakeholders to move the cleanup forward and restore the Willamette River. EPA is working with community members to update our Portland Harbor Community Involvement Plan<https://urldefense.proofpoint.com/v2/url?u=https-3A__semspub.epa.gov_src_document_10_100019924&d=DwMFAg&c=14jPbF-1hWnYXveJ5rixtS_Fo3DRrpL7HUwJDAc4HIc&r=btZnmVqpKvZ54gR2K_YWJbZCIGosedlog4oqxBYgW7g&m=qru5qAleQBA042ysgl4NBpfbVJF7D5_jT3bEtL7Uqi4&s=2_E0tGHbZ4r4RzeDqSAxRjIsvVHiI8PC0zWdz_rpf9g&e=> to help us continue to successfully engage stakeholders throughout the long-term cleanup. As part of this work, EPA has conducted more than 50 in-person interviews with stakeholders and expects to release an updated plan in 2018. EPA and DEQ Portland Harbor teams continue to share information and updates regularly with the 2001 Memorandum of Understanding partners and natural resources trustees: federally-recognized tribes Grand Ronde, Siletz, Umatilla, Warm Springs, Nez Perce, Yakama, Oregon Department of Fish and Wildlife, National Oceanic and Atmospheric Administration and U.S. Department of the Interior.

EPA Portland Harbor Website: Portland Harbor Superfund Site<https://urldefense.proofpoint.com/v2/url?u=https-3A__cumulis.epa.gov_supercpad_SiteProfiles_index.cfm-3Ffuseaction-3Dsecond.cleanup-26id-3D1002155&d=DwMFAg&c=14jPbF-1hWnYXveJ5rixtS_Fo3DRrpL7HUwJDAc4HIc&r=btZnmVqpKvZ54gR2K_YWJbZCIGosedlog4oqxBYgW7g&m=qru5qAleQBA042ysgl4NBpfbVJF7D5_jT3bEtL7Uqi4&s=JQGfcDjm89CdMYGzATQzxNbYWP5TiGOlovHJLtvuu4A&e=>

Oregon DEQ Portland Harbor Website: Portland Harbor<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.oregon.gov_deq_Hazards-2Dand-2DCleanup_CleanupSites_Pages_Portland-2DHarbor.aspx&d=DwMFAg&c=14jPbF-1hWnYXveJ5rixtS_Fo3DRrpL7HUwJDAc4HIc&r=btZnmVqpKvZ54gR2K_YWJbZCIGosedlog4oqxBYgW7g&m=qru5qAleQBA042ysgl4NBpfbVJF7D5_jT3bEtL7Uqi4&s=sT56eRvLm0czl7KTW_lJr8pQRLoRohswcwtkCLjSl8w&e=>

[cid:image006.jpg@01D378CC.552584A0]

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Message

From: Krehbiel, Randy (Randall) [Randy.Krehbiel@tulsaworld.com]
Sent: 2/6/2018 10:06:45 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: Chief of Staff Request for Information

Thanks.

From: Jackson, Ryan [mailto:jackson.ryan@epa.gov]
Sent: Tuesday, February 06, 2018 3:29 PM
To: Krehbiel, Randy (Randall)
Subject: FW: Chief of Staff Request for Information

Randy, per our conversation, the following are the links to the redacted OIG investigation we discussed. The EPA released it pursuant to a FOIA request on April 25, 2016. There is another link in the email below to an irrelevant investigation.

I have attached the attachments due to the fact that FOIA Online is a system which easily gets bogged down.

I will get back with you further about making the investigator available for the record.

Thanks again

Ryan.

From: Ulmer, Craig
Sent: Tuesday, February 6, 2018 2:56 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Cc: Elkins, Arthur <Elkins.Arthur@epa.gov>; Sheehan, Charles <Sheehan.Charles@epa.gov>; Sullivan, Patrick F. <Sullivan.Patrick@epa.gov>; Larsen, Alan <Larsen.Alan@epa.gov>; Fiore, Michael <Fiore.Michael@epa.gov>; Ulmer, Craig <Ulmer.Craig@epa.gov>
Subject: Chief of Staff Request for Information

Ryan:

Reference is made to our previous conversations concerning this matter. The documents you have requested are both redacted and available to the public on FOIA Online. The Memorandum of Activity is at hyperlink, https://foiaonline.regulations.gov/foia/action/public/view/record?objectId=090004d280c3ec6b and the Case Closing Report is on page 46 of this hyperlink, https://foiaonline.regulations.gov/foia/action/public/view/record?objectId=090004d2806a2a2c.

Craig W. Ulmer
Deputy Assistant IG for Investigations
Environmental Protection Agency - OIG

Desk: 202-566-0943
Ex. 6
e-mail: ulmer.craig@epa.gov

To report fraud, waste or abuse impacting EPA, please contact the EPA OIG Hotline via telephone numbers 202-566-2476 or 888-546-8740, fax 202-566-2599, or email at oig_hotline@epa.gov

To report threats directed against EPA employees, contractors, facilities and assets, please email report.EPA.threats@epa.gov

Message

From: Patrick Boss [boss.consulting2@gmail.com]
Sent: 1/26/2018 5:50:35 AM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Reply Requested: Requesting conference call regarding Lower Snake River Dams, etc.
Attachments: CSRIA-ESA-Litigation-Economic-Impacts-12-11-2017.pdf; CSRIA-Open Letter Ad-12-05-2017.pdf; DRAFT-ESA-Exemption-Application-12-13-2017.pdf

Ryan,

As a follow-up to email below/attached, following is a recent (Jan. 9th) article which shows how aggressively Judge Simon and various environmental groups are moving forward to try to render various dams on the Columbia and Snake Rivers useless.....

http://www.spokesman.com/stories/2018/jan/09/judge-approves-plan-to-release-more-water-through-/

Anyhow, we look forward to hearing from you about doing a call on this issue.

Best regards,

Patrick Boss
On behalf of the Columbia-Snake River Irrigators Association
Ex. 6
Fax: 509-352-1284
Email: boss.consulting2@gmail.com

From: Patrick Boss [mailto:boss.consulting2@gmail.com]
Sent: Monday, January 15, 2018 9:38 PM
To: jackson.ryan@epa.gov
Subject: Requesting conference call regarding Lower Snake River Dams, etc.

Dear Ryan,

I am writing to you on behalf of the Columbia-Snake River Irrigators Association concerning the critical situation regarding the Lower Snake River Dams (in Washington State) and the efforts by a federal judge in Portland and some environmental groups to either breach the dams or render them useless by doing major drawdowns on the Lower Snake River and/or spilling much more water over the dams.

Following and attached are some recent articles and related information about this issue:

https://spudman.com/news/irrigators-urge-god-squad-to-protect-columbia-snake-river-system/
http://www.cbbulletin.com/439311.aspx
http://boisestatepublicradio.org/post/god-squad-could-end-years-litigation-over-salmon-idahos-snake-river#stream/0
http://www.westernfarmerstockman.com/conservation/where-are-fish
http://www.suntribunenews.com/article/20170415/ARTICLE/170419986
http://usdailyreview.com/undermining-the-efforts-of-washington-and-oregon/
http://www.potatogrower.com/2017/02/the-dam-truth
http://www.cbbulletin.com/438042.aspx
http://www.hydroworld.com/articles/2016/12/groups-want-trump-to-weigh-in-on-breaching-snake-river-hydropower-dams.html

In conclusion, we would like to request a conference call with you to discuss this critical matter.

We look forward to your response.

Best regards,

Patrick Boss
On behalf of the Columbia-Snake River Irrigators Association
Ex. 6
Fax: 509-352-1284
Email: boss.consulting2@gmail.com

Columbia-Snake River Irrigators Association Information Memorandum

DATE: December 11, 2017

TO: Interested Parties

SUBJECT: The Economic Impacts of ESA Columbia River BiOp Litigation

---

The Endangered Species Act (ESA), Biological Opinion litigation for the Columbia-Snake River system has waged for about 25 years (see attached Figure). The economic impact to electric power rate payers and other economic sectors is summarized below.

- ✓ The Bonneville Power Administration's (BPA) Fish and Wildlife Program primarily funds the Biological Opinions (BiOp) created by the ESA actions and protracted litigation. Since 1992, BPA has spent about **$17 billion** on the Program, most funding directed toward ESA actions. Other hydro utilities have spent **additional tens-of-millions-of dollars.**

- ✓ The BPA Fish & Wildlife Program costs now amount to about one-third of the power costs within the agency's wholesale rate to regional utilities. This amounts to about **$700 million--$1 billion** annually, depending on water conditions and replacement power costs.

- ✓ The BiOp actions forced a "no net loss" water policy on states like Washington, where no new water rights have been issued for irrigation purposes, from the Columbia-Snake River system—even though new water withdrawals would be imperceptible. This amounts to **tens-of-millions of dollars**, of foregone capital investment and regional household income.

- ✓ U. S. District (Oregon) Judge Michael Simon has issued a new remand order for the 2014 BiOp, based on legal pressure from Earth Justice, et al., and the state of Oregon. That order, alone, requires the federal agencies to prepare another Environmental Impact Statement (EIS) estimated to cost BPA **$81 million.**

- ✓ The Judges order for an immediate (additional), hydro project water spill injunction will cost the region's rate payers another **$40 million** annually.

- ✓ If the new EIS and BiOp litigation process leads to breaching/drawdowns for the Lower Snake River dams and other Columbia River Project pools, the capital cost range would likely be **$1-2 billion**, with annual power impacts exceeding **$200 million** annually. Other water management related impact would likely occur.

- ✓ Under a new BiOp, the BPA would be directed to spend additional funds for undetermined "habitat projects," as directed by Tribal/fish agencies. This will amount to **hundreds-of-millions of dollars**, above existing commitments.

3030 W. Clearwater, Suite 205-A, Kennewick, WA, 99336
Ex. 6 *DOlsenEcon@AOL.com*

ED_002480_00090478-00001

Columbia-Snake River Irrigators Association

Ending Columbia-Snake River ESA Litigation

The Path Toward God Squad

BPA **Billion$**

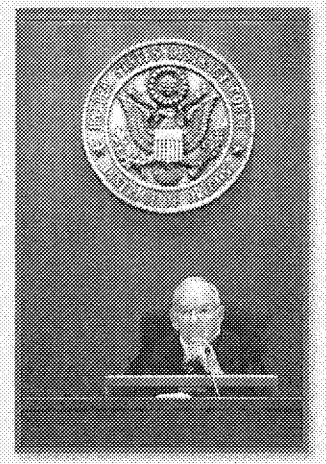
$22B

$17B

$10B

$1B

U.S. OR Dist. Judge
James Redden



U.S. OR Dist. Judge
Michael Simon

✓ 2017-Injunction
2018-New BiOp?
2020-EIS?

✓ **2015-Killing Fish—**
Agencies Out-of-Control.

✓ BPA Funding
$750M--$1B/Year.

✓ Five BiOp Remands: Hyro Project Spill;
No New Water Rights; No Water Rights.

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Columbia-Snake River Irrigators Association

December 5, 2017
CSRIA Open Letter

Hon. Sect. of Interior Ryan Zinke
Hon. Sect. of Energy Rick Perry
Hon. Sect. of Defense James Mattis
Hon. EPA Adm. Scott Pruitt
Hon. Sect. of Ag. Sonny Perdue
Lt. Gen. John Kelly, WH Chief of Staff

RE: Protecting the Columbia-Snake River System, a Great National Asset

Dear Cabinet Secretaries and Gen. Kelly:

It would seem inconceivable that we should have to request your intervention to protect one of the greatest national assets, the economic engine that comprises the Columbia-Snake River Federal Hydropower System. But events prod this correspondence.

The Federal Hydropower System is a testament to what good men and women can achieve, when guided by reason and the pursuit of economic prosperity and social well-being. The System's non-carbon emitting turbines electrify the region's commerce, serving some of the most influential companies in the world—like Boeing, Microsoft, Intel, Amazon, Nike, and others—and energize the homes of millions of Northwest and California citizens. The System creates an accessible water source for the most productive and efficient irrigated farms on the planet; it offers commercial navigation to ship the nation's wheat to coastal sea ports; it provides for unique recreational opportunities. And the scientists from NOAA Fisheries and the U.S. Army Corps of Engineers have developed protective measures for salmon and steelhead that overcome harsh river system conditions in unfavorable water-years.

But the political, and bureaucratic, leviathan created by the Endangered Species Act (ESA) has nurtured twenty-five years of Columbia-Snake River litigation, now being encouraged by a single, federal district court judge (Oregon). Worse yet, this judge now refuses to review evidence that points toward the destruction of about two-thirds of Idaho's wild spring chinook run, the lethal product of inept ESA management regimes and failed oversight of the so-called fish managers.

Our prayer for relief is vested in the statutory power of the ESA (ESA Committee review and the exemption process), where an executive directive can be invoked to shield Hydropower System operations from further, abusive litigation, and to adopt System measures that will more than sufficiently protect ESA-listed fish.

While CSRIA is in communication with senior agency and DOJ staff, who are being respectful of our legitimate concerns, the national asset at risk is worthy of your personal attention, and we would request an opportunity to meet directly with you, to better inform your understanding of the situation.

Respectfully,

CSRIA Board of Directors

3030 W. Clearwater, Ste. 205-A, Kennewick, WA 99336
Ex. 6 DOlsenEcon@AOL.com

DRAFT EXEMPTION APPLICATION UNDER THE ENDANGERED SPECIES ACT
Submitted pursuant to 50 C.F.R. § 450 *et seq.*

I. PURPOSE AND NEED FOR EXEMPTION

The three federal agencies ("Applicant Agencies") that manage the Federal Columbia River Power System ("FCRPS") submit this joint application for an exemption under section 7(g) of the Endangered Species Act ("ESA").

An exemption would allow the Applicant Agencies to continue operating the FCRPS according to the requirements of a 2014 Supplemental Biological Opinion issued by NOAA Fisheries. The Applicant Agencies conclude that those requirements, which include detailed action items, sufficiently protect ESA-listed salmon and steelhead and should be adopted by the ESA Committee as a preferred Mitigation Plan. The Mitigation Plan would replace the ad hoc requirements imposed by a federal district court in Portland, Oregon, which has ordered the Applicant Agencies to implement and consider a number of detrimental alternatives.

Since 1980, the Applicant Agencies have spent approximately $16 billion to address a variety of fish mitigation and ESA-related issues, including structural changes at dams for fish passage, improved juvenile transportation facilities, hatchery improvements and habitat restoration. As a result of those expenditures, virtually every federal dam (or dam/pool operation) on the mainstem of the Columbia and Snake Rivers has been modified in one form or another to improve fish survival. The Applicant Agencies can show that fish passage survival generally averages 95% per hydroelectric project for juvenile salmon and steelhead migrating downstream.

The chief obstacle to salmon recovery over which the Applicant Agencies have no control is ocean conditions, where salmon spend most of their lives and where dramatic and sometimes abrupt changes in currents and temperature can greatly affect survival rates. The Applicant Agencies can therefore only address conditions within a limited portion of the salmon and steelhead lifecycle.

Nevertheless, the ESA litigation challenging FCRPS operations in federal court continues after 25 years. The 2014 Supplemental Biological Opinion has been remanded by the federal court, now directing the federal agencies to consider measures that do not qualify as "reasonable and prudent alternatives" under the ESA. Some alternatives, such as the breaching (removal) of four federal dams on the Lower Snake River, would significantly reduce the capability of the FCRPS to produce power at critical peak times of year and would also curtail or eliminate navigation and irrigation. Moreover, substantial technical information exists to conclude that dam breaching, or pool drawdowns, could actually harm fish survival by eliminating the successful juvenile fish transportation program, particularly in low water-year year conditions.

The Applicant Agencies note that the ESA Committee is sometimes called "the God Squad" because it supposedly can make life or death decisions over threatened or endangered species and could, in theory, allow for the extinction of an ESA-listed species. But in this case, the Applicant Agencies conclude that the formation of an ESA Committee that adopts a Mitigation Plan based on the requirements of the 2014 Supplemental Biological Opinion will protect ESA-fish from the vagaries of federal court decisions that are not based on the best available science.

The exemption granted, will provide financial and operational stability in the management of the FCRPS, the largest network of hydroelectric dams in the nation, while still requiring the Applicant Agencies to continue complying with the rigorous requirements in the 2014 Supplemental Biological Opinion.

II. APPLICANTS AND PRIMARY CONTACT INFORMATION [1]

Mr./Ms._____
U.S. Army Corps of Engineers, Dept. of the Army
Address:
Washington, D.C.

Mr./Ms. _____
U.S. Bureau of Reclamation, Dept. of Interior
U.S. Dept. of the Interior
Address:
Washington, D.C.

Mr./Ms._____
Bonneville Power Administration, Dept. of Energy
U.S. Department of Energy
Address:
Portland, Oregon

III. THE APPLICANT AGENCIES [2]

Each of the three Applicant Agencies has distinct legal and operational responsibilities:

1. The U.S. Army Corps of Engineers ("USACE"). The USACE is part of the U.S. Department of Defense. It owns and operates multi-purpose dams and related infrastructure in the Columbia River Basin for hydroelectric power generation, navigation, irrigation, flood control and other uses, as described in www.nwd.usace.army.mil/missions/water/Columbia.aspx.

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[1] 50 CFR § 451.02(e)(1). Any single agency may file an exemption application to Interior.

[2] 50 CFR § 451.02(e)(2).

2. The U.S. Bureau of Reclamation ("USBR"). The USBR is part of the U.S. Department of Interior. It has built diversion, delivery and storage projects in the western United States for irrigation, hydroelectric power generation and water supply. The USBR's Pacific Northwest Regional Office operates Grand Coulee Dam, the largest dam in the FCRPS. *See generally* https://www.usbr.gov/pn/.

3. The Bonneville Power Administration ("BPA"). The BPA is part of the U.S. Department of Energy. It is a federal power marketing agency with statutory duties to sell and deliver electricity from the USACE and USBR dams that are part of the FCRPS. In addition, BPA has responsibilities under the Northwest Power Act of 1980 to protect and help restore Columbia River salmon and steelhead runs. *See generally* www.bpa.gov.

The Applicant Agencies share a common purpose and mission in the management of the FCRPS and compliance with the Endangered Species Act of 1973, as amended, as well as other federal statutes that address the authorization, purpose, and management of these important federal assets.

IV. COMPREHENSIVE DESCRIPTION OF THE PROPOSED AGENCY ACTION [3]

Under the ESA Committee's Mitigation Plan,[4] the proposed action is the continued coordinated operation and maintenance of the FCRPS according to the requirements of the 2014 Supplemental Biological Opinion ("2014 Supplemental BiOp") issued by NOAA Fisheries. The FCRPS is a network of federal dams in the Columbia River watershed, an area of 259,000 square miles that drains part of Washington State, Oregon, Idaho and western Montana.

In the 2014 Supplemental BiOp, NOAA Fisheries proposed a series of Reasonable and Prudent Alternatives ("RPAs") to avoid the likelihood of continued jeopardy to the ESA-listed fish or the likely destruction of their habitat. NOAA Fisheries issued the document on January 27, 2014 (NOAA Fisheries Log No. 2-139562). The RPAs currently guide the three Applicant Agencies in the way they operate and manage federal assets that are part of the FCRPS.

The RPAs include:

- Hydropower actions affecting mainstem and up-river projects.
- Hatchery actions throughout the Columbia-Snake River Basins.
- Habitat actions in the river basins and estuary areas.
- Predation actions in the mainstem river system.
- Harvest actions in the ocean and in-river environments.

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[3] 50 CFR § 451.02e(2)(i).

[4] 16 U.S.C. § 1536(l)(1).

- Research, monitoring and evaluation actions throughout the river basins and ocean environments.

The exemption would make permanent the requirements of the 2014 Supplemental BiOp and would halt judicial efforts to impose additional costly requirements that are inconsistent with scientific evidence submitted to the court by the Applicant Agencies. The Applicant Agencies conclude that the new judicially-imposed requirements diminish the value of federal assets, impair their ability to operate the FCRPS and negatively affect existing fish runs.

a. Prior Efforts and Expenditures

Since 1980, the federal government has spent approximately $16 billion to protect and restore 13 ESA-listed salmon and steelhead runs on the Columbia River and tributaries, including the Snake River. This multi-agency effort, which also involves dozens of stakeholders, including states and Tribes, is the largest expenditure of federal funds for ESA restoration anywhere in the nation.

b. The Ocean Variable Affecting Salmon/Steelhead Survival

The chief variable affecting the long-term survival of salmon and steelhead–which the federal government cannot control–is the condition of the Pacific Ocean, where fish spend most of their lives before returning to the Columbia Basin to spawn. Scientific studies demonstrate that ocean conditions play a critical role in the lifecycle of ESA-listed fish and thus limit the ability of the Applicant Agencies to fully protect and restore the ESA-listed fish.

NOAA Fisheries and others, for example, have documented the effect of ocean conditions on returning salmon runs. Specifically, they have studied the correlation of sea surface temperatures (which oscillate between a "warm" and "cool" phase) and the number of returning fish. NOAA Fisheries has determined that the listing of several salmon stocks as threatened or endangered under the Endangered Species Act coincides with a prolonged period of poor ocean conditions that began in the early 1990s.[5] Conversely, when ocean conditions improve, the number of returning salmon increases.

c. The Ongoing ESA Litigation

The operation of the FCRPS has been subject to ESA litigation for the last 25 years. Federal district courts had remanded prior BiOps (2000, 2004 and 2008/10, and 2014). The continued litigation, *National Wildlife Federation v. National Marine Fisheries Service*, is now pending before the Honorable Judge Michael H.

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[5] Northwest Fisheries Science Center, see discussion of the Pacific Decadal Oscillation ("PDO"), available at www.nwfsc.noaa.gov/research/divisions/fe/estuarine/oeip/ca-pdo.cfm

Simon, U.S. district court in Oregon, 3:01-cv-00640-SI. There are numerous intervenors and amicus participants.

In May 2016, the federal district court ruled that the 2014 Supplemental BiOp was insufficient to protect ESA-listed salmon and steelhead. The court found that the BiOp's "no jeopardy" conclusion was "arbitrary and capricious" and a violation of federal law. (ECF 2065.[6]) Over the objections of the Applicant Agencies, the court ordered NOAA Fisheries to correct the deficiencies in the 2014 Supplemental BiOp and to prepare a new BiOp by December 31, 2018, as well as another Environmental Impact Statement ("EIS") by March 2021. (ECF 2089.)

d. Dams Affected by the Court Ruling

The court identified 14 dams in the Columbia River Basin that are affected by its ruling. (ECF 2065, page 26.) The dams are listed below in **Table 1,** in order from the date of completion.

TABLE 1
Dams Affected by the Federal Court's 2016 Decision

Dam:	State:	River:	Completion Date:
Bonneville	WA-OR	Columbia	1938
Grand Coulee	WA	Columbia	1942 *
Hungry Horse	MT	S. Fork Flathead	1953 *
Albeni Falls	Idaho	Pend Oreille	1955
McNary	WA-OR	Columbia	1957
The Dalles	WA-OR	Columbia	1960
Chief Joseph	WA	Columbia	1961
Ice Harbor	WA	Snake	1962
Lower Monumental	WA	Snake	1969
Little Goose	WA	Snake	1970
John Day	WA-OR	Columbia	1971
Dworshak	Idaho	N. Fork Clearwater	1973
Libby	MT	Kootenai	1975
Lower Granite	WA	Snake	1975

Dams marked with an asterisk * are operated by the U.S. Bureau of Reclamation. The other dams are operated by the U.S. Army Corps of Engineers.

[6] References to "ECF ___" refer to the numbers assigned by the federal court electronic filing system (ECF) for filings in *National Wildlife Federation, et al. v. National Marine Fisheries Service, et al.,* Case No. 3:01-CV-00640-SI (D. Oregon).

e. Dam Breaching Proposal

In its May 2016 opinion, the court directed the federal agencies preparing the EIS to consider breaching one or more of the four federal dams on the Snake River, an action that would ultimately require Congressional approval. (ECF 2065, at p. 10.) The ostensible purpose is to create a more natural river mimicking flow conditions before dams were built. But breaching a dam entails removing a portion of the structure and rendering it unable to generate electricity or provide navigation and irrigation. Yet those purposes are an intrinsic reason Congress authorized the structures. The Applicant Agencies acknowledge that only Congress has the power to remove or modify the statutory authorizations for the Snake River dams, not the courts.

V. LEGAL ORDERS/DIRECTIVES [7]

There are two significant legal orders/directives compelling this application:

- In May 2016, as noted above, the court ordered the Federal defendants to prepare a new BiOp and a new Environmental Impact Statement on the operation of the FCRPS. (ECF 2065.) The court found that existing federal hydro operations fail to avoid risk of jeopardy of extinction for the listed-ESA species. The current 2014 Supplemental BiOp therefore triggers "jeopardy" status, according to the federal court.

- Further, in March 2017, the court ordered the federal agencies to adopt a new spill regime for implementation in spring 2018. (ECF 2190.) The court is expected to approve the new regime that the federal agencies and other sovereign parties have agreed upon and filed with the Court.[8]

An exemption will supersede those legal orders/directives. The exemption would allow the Applicant Agencies to operate the FCRPS according to the terms of the existing 2014 Supplemental BiOp. The Applicant Agencies request that the ESA Committee adopt the BiOp as a permanent Mitigation Plan. The Applicant Agencies believe the 2014 Supplemental BiOp contains extensive and proven measures to protect ESA-listed fish. The BiOp has received the support of several Northwest states, Tribes and other parties.

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[7] 50 CFR § 451.02(e)(2)iii. This part of the application asks for legal requirements which have been satisfied or obtained, or which must still be satisfied or obtained before the proposed action can proceed.

[8] ECF 2194.

VI. CONSULTATION PROCESS USED UNDER SECTION 7(a) [9]

In its 2016 opinion, the court ordered NOAA Fisheries to engage in a section 7(a)(2) consultation and to complete it on or before December 31, 2018. (ECF 2089.) This consultation follows several other consultations for previous biological opinions affecting the operation of the FCRPS.
As part of this process, the court has repeatedly ordered the federal defendants to consult with the other sovereigns (e.g., States and Tribes). The record reflects those extensive consultations.[10] All required consultations for the ESA Committee Mitigation Plan have therefore been completed.

VII. PRIOR BIOLOGICAL ASSESSMENTS [11]

The 2014 Supplemental BiOp was preceded by multiple environmental, biological, and economic assessments (and environmental impact statements), as referenced within the BiOp and discussed above. No other federal agency action has received greater environmental and technical review under the ESA.

VIII. CURRENT BIOLOGICAL OPINION [12]

The full and complete Supplemental 2014 Biological Opinion is available at www.salmonrecovery.gov/BiologicalOpinions/FCRPSBiOp.aspx.

IX. DESCRIPTION OF THE ALTERNATIVES TO THE PROPOSED ACTION [13]

The continued reliance on the 2014 Supplemental BiOp is the proposed action and should serve as the ESA Committee's Mitigation Plan. The BiOp contains 73 Reasonable and Prudent Alternatives ("RPAs"). The Applicant Agencies have determined that these RPAs have been effective in complying with ESA requirements and in meeting their statutory obligations.

The major action measures include:

- Dam passage modification.
- Significant water management and flow regimes.
- Juvenile fish transportation program.
- Research, development, and demonstration measures.

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[9] 50 CFR § 451.02(e)(2)iv.

[10] *See, e.g.,* ECF 1804-1 (summarizing consultations with sovereigns as of April 7, 2009).

[11] 50 CFR § 451.02(e)(2)(v).

[12] 50 CFR § 451.02(e)(2)(vi).

[13] 50 CFR § 451.02(e)(2)(vii).

- Adaptive management protocols.
- Habitat project development.
- System operations for returning adult runs.

The complete set of measures may be reviewed at: www.salmonrecovery.gov/BiologicalOpinions/FCRPSBiOp.aspx.

a. Other Alternatives: The Spill Alternative

The federal district court in Oregon has ordered the Applicant Agencies to consider and then implement additional project water spill at eight (8) lower Columbia and Snake River dams, one of the most far-reaching of the proposed alternatives now on the table.[14] This alternative means that power generation will be significantly reduced. BPA has stated that the net effect of the court's order is to potentially diminish the energy output of the FCRPS by about 815 average megawatts between April and June (or about 203 aMW on an annual basis). "This loss of generation will necessitate bringing additional power generation resources online to meet demand, change the sources of power supply utilized in the Pacific Northwest, and hinder state and regional efforts to reduce carbon emissions."[15]

The Applicant Agencies conclude that the court's spill order is incorrect and have filed an appeal with the U.S. Court of Appeals for the Ninth Circuit. The Applicant Agencies perceive this court-mandated alternative is counterproductive to the purposes of the ESA.[16] The spill alternative contains a number of legal and operational defects, and it ignores the documented and long-standing benefits of transporting juvenile fish on the lower Snake River.

Since 1994, the USACE has successful operated a spring juvenile transportation program to move juvenile fish from the Snake River dams to below Bonneville Dam, the last barrier before the Columbia River estuary. Prior court rulings on ESA matters explicitly recognized the value of transport.[17] Yet the most recent orders from the court (May 2016 and March 2017) make no clear mention of the transport program operations.

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[14] ECF 2190.

[15] Declaration of BPA vice president of generation asset management Kieran Connolly, filed on BPA's behalf in opposition to the State of Oregon's request for an injunction regarding mandatory spill, ECF 2145, February 2, 2017, page 18.

[16] See ECF 2251 (Agencies object note the lack of scientific evaluation of the effects of the injunction).

[17] See, for example, the opinion of Judge James Redden in 2005 (ECF 1221, page 6). Judge Redden noted that the USACE had developed both spill and transportation operations as early as 1992 to facilitate juvenile salmon migration:

> This [dual approach] increased the chance of survival past the dams to the ocean and the subsequent return of adults to propagate the species. Studies do not establish, with absolute certainty, the relative benefits of spill versus transportation. Therefore, the Corps says it has adopted a "spread the risk" philosophy, using spill and transportation in relatively equal measure. (Underline in original)

On September 29, 2017, the Columbia-Snake River Irrigators Association ("CSRIA") filed a motion for an evidentiary hearing on the subject to discuss (among other things) the results showing that transported fish fared four times better than fish allowed to remain in the river during warm weather and low-flow conditions. (ECF 2231, (motion. ECF 2241, reply). Records show that the Fish Passage Center (a BPA contractor) and other entities (including the State of Oregon) pressured federal agencies to delay and not fully implement the juvenile fish transportation program, despite the poor in-river (temperature) conditions and the objections of NOAA Fisheries scientists.[18] Nonetheless, the court ruled against holding an evidentiary hearing that would examine the 2015 "killing Idaho fish" event or continued benefits of the juvenile fish transportation program and the risks of rigid spill protocols.

b. Other Alternatives: Dam Breaching

Under the current EIS preparation order,[19] the Applicant Agencies will have to review other alternatives when a new BiOp is prepared. At this time, however, it is difficult to describe those alternatives in detail, except to note that the court expressly directed the Applicant Agencies to consider breaching the four Lower Snake River dams in Washington State. "An environmental impact statement…requires the action agencies to consider *all* reasonable alternatives, regardless whether there currently is a funding source or whether any particular alternative is reasonably likely to occur." (ECF 2065, at p.10.)

The Applicant Agencies have previously reviewed the dam-breaching alternatives in prior EISs and prior technical and economic reviews. Breaching entails removing a portion of the dams and rendering it unable to generate electricity or provide navigation or irrigation. These purposes are an intrinsic reason why Congress authorized the structures. The Applicant Agencies believe that only Congress has the legal authority to remove or modify those authorizations, not the courts.

Furthermore, the Applicant Agencies have demonstrated that breaching any of the four Snake River Dams will have serious impact on the operation of the FCRPS and will force BPA to buy replacement power from gas-fired power plants, thus creating additional air pollution and carbon emissions to replace the output of the dams, a renewable, carbon-free source.

The four Snake River dams have the capacity to generate 3,000 MW in critical peak hours (the ability to produce power instantaneously when needed), particularly in January. **Table 2** provides details.

If implemented properly, the "spread the risk" policy would involve an approximate 50-50 split between transportation and in-river migration, depending on water and weather conditions and other factors.

[18] These events are documented in the notes of Fish Passage Advisory Committee (FPAC) meetings on April 14, 2015 and April 21, 2015.

[19] ECF 2065, at p. 18. BPA now estimates the costs of the EIS process at about $81 million.

TABLE 2
Snake River Dams

Dam:	Capacity: *	Peak MW (120 Hr): **
Ice Harbor	693 MW	586
Little Goose	930	859
Lower Granite	930	737
Lower Monumental	930	810
TOTAL	**3,483 MW**	**2,992 MW**

Source: BPA 2016 Pacific Northwest Loads and Resources Study, Table 2-4, page 18.
* The installed (nameplate) generating capacity of the dams measured in megawatts (MW).
** The maximum generation in a 120-hour period in January 2018 assuming 1937 critical water (extreme drought) conditions.

Breaching the dams would have adverse impacts on the operation of the FCRPS, including undermining voltage support in the Tri-Cities area of Washington State and making it more difficult to integrate new wind and solar resources into the federal power system. BPA has said it cannot rely entirely on wind and solar to replace the Snake River dams because they are variable, intermittent sources of power, and BPA cannot depend on them to meet instantaneous changes in customer demand.[20]

X. THE COURT HAS DETERMINED THAT THE PROPOSED ACTION VIOLATES SECTION 7(a)(2) OF THE ESA [21]

As noted above, the federal district court in Oregon ruled in May 2016 that the RPAs in the 2014 Supplemental BiOp are inadequate under Section 7(a)(2) of the ESA. The court found that the operation of the FCRPS will continue violating section 7(a)(2) because the actions of the federal agencies will not prevent the risk of extinction for all affected species. Thus, the court itself has determined that the 2014 Supplemental BiOp is inconsistent with what it believes are the ESA's requirements.

The proposed agency action--in this case, the continued operation of the FCRPS--cannot be altered or modified to avoid violating section 7(a)(2) of the Act. Decades of litigation and multiple federal court opinions make clear that judicial interpretations of the ESA impose more and more modifications on the FCRPS and require the Applicant Agencies to consider RPAs that are neither reasonable nor prudent.

The proposed dam breaching alternative, for example, which the federal court directed the agencies to consider in the forthcoming EIS, is not a Reasonable and Prudent Alternative. Federal regulations define an RPA as an alternative action "that can be implemented in a manner consistent with the intended purpose of the action, [and] that can be implemented consistent with the scope of the Federal agency's legal authority and jurisdiction…" 50 CFR § 402.02 (definitions). Dam breaching would end power generation, navigation,

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[20] BPA Fact Sheet, "A Northwest energy solution: Regional power benefits of the lower Snake River dams" (March 2016).

[21] 50 CFR § 451.02(e)(2)(viii).

irrigation and flat-water recreation at the four Lower Snake River dams, and it is therefore inconsistent with existing statutes requiring the USACE to operate the dams for power generation, navigation and other purposes. Moreover, the important ability of the dams to integrate new renewable resources would be permanently eliminated, contributing to further CO2-induced climate change impacts.

XI. RESOURCES COMMITED BY THE FEDERAL AGENCIES SUBSEQUENT TO THE INITIATION OF CONSULTATION [22]

As noted above, the 2014 Supplemental BiOp has been preceded by multiple consultations.

Since the court's May 2016 order, the Applicant Agencies, have engaged in renewed injunctive relief consultations, affecting hydro project operations, foreseeable costs, some fisheries impacts, and some impacts to other economic sectors, such as navigation.

To date, this effort includes:

- Initiating new EIS preparation actions and determining a schedule suitable to the court.
- Identifying the new RPA actions per the court order.
- Multiple agency meetings.

The most recent court-ordered consultation process will conclude by the end of January 2018.

XII. ADDITIONAL INFORMATION [23]

a. The Nature and Extent of the Benefits of the Proposed Action

The proposed action is the continuation of the 2014 Supplemental BiOp, which will provide for the following environmental, economic and social benefits, including fish protection:

- Hydropower operations for peaking power needs (capacity demands).
- New renewable resources integration and climate change mitigation.
- Commercial and re recreational navigation.
- High efficiency irrigation.
- General stabilized pool recreation.
- Fish protection and the Juvenile Transport Program.

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[22] 50 CFR § 451.02(e)(2)(ix).

[23] 50 CFR § 452.02(e)(5).

- Habitat projects for tributaries/estuary.

b. The Benefits of the Proposed Action Outweigh the Benefits of Each Considered Alternative Course of Action

During the past 25-years, the Applicant Agencies have examined numerous alternatives as a means of complying with the ESA and have concluded that many of those alternatives–such as dam breaching or new spill regimes--would likely disrupt the authorized purposes of the FCRPS dams while offering little or tangible benefits to ESA-listed fish.

The alternatives impose higher costs to the region, as shown in previous analyses.[24] The Applicant Agencies continue to question whether those economic impact estimates affecting the proposed action have been understated. In the same light, it is now indisputable (see discussion of the spring 2015 "fish kill" event below) that the survival to migrating salmon will be seriously impaired with the removal or reduction of the juvenile fish transportation program. The Applicant Agencies have therefore determined that there is overwhelming evidence to support the proposed action--the continued implementation of the 2014 Supplemental BiOp–in contrast to alternative actions.

c. The Considered Alternatives Are Not Reasonable and Prudent Alternatives

As noted above, several of the alternatives to the 2014 Supplemental BiOp have the consequences of impairing the operation of the FCRPS and offering very speculative benefits for ESA-listed fish compared with the proposed action. In some cases, the alternatives are harmful, and perhaps even lethal, to the ESA-listed fish.

This factor is explicitly clear when 2014 BiOp measures, like the juvenile fish transportation program, are critically examined with respect to returning spring wild Chinook. In spring 2015, despite some of the warmest weather and water conditions on record, 87% of juvenile fish were allowed to remain in the river. The Applicant Agencies can now measure the results of this decision. The BPA-funded Comparative Survival Study shows that transported fish survived four times better than fish that remained in-river during those adverse conditions.[25] A significant portion of the run died. The steelhead transport results are pending, but they are expected to be even greater than that for Chinook salmon.

d. The Proposed Action is in the Public Interest

The Supplemental 2014 Biological Opinion advances the public interest in several demonstrated ways:

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[24] National Economic Development (NED) and Regional Economic Development (RED) analyses.

[25] Comparative Survival Study of PIT-tagged Spring/Summer/Fall Chinook, Summer Steelhead, and Sockeye, Draft 2017 Annual Report, BPA Contract #19960200 (Table A.46).

- Hydropower operations for peaking power needs (capacity demands).
- New renewable resources integration and climate change mitigation.
- Commercial and recreational navigation.
- High efficiency irrigation.
- General stabilized pool recreation.
- Fish protection and the Juvenile Transport Program.
- Habitat projects for tributaries/estuary.

The statutory authority for the hydroelectric projects will be protected by a Mitigation Plan that adopts the 2014 Supplemental BiOp.

e. Regional and National Significance of the Proposed Action

The Columbia River and its tributaries drain most of Washington, Oregon, Idaho and Western Montana. With a footprint as large as this, the significance of the FCRPS and its continued operation are clear for both the region and the nation.

The significance of the proposed actions includes:

- Hydropower Supply:
  The exemption allows for the continued and coordinated management of the FCRPS without impairing the federal assets. The power produced is renewable and produces no emissions of carbon; and it allows for the development of other renewable power resources.

- Hydropower Rates:
  BPA wholesale power rates will be stabilized.

- Navigation:
  The dams on the Snake River allow for navigation upstream to Lewiston, Idaho, for both commercial and recreational purposes.

- Irrigation:
  Large acreages of production agriculture will be serviced by stable reservoir pools within the Lower Snake River system and at McNary-John Day dams.

- Recreation:
  General flat-water recreation will be preserved and allowed to grow in the future for the region's increasing population.

- Fish Protection and the Juvenile Transportation Program:
  The survival rates for juvenile salmon and steelhead will benefit, despite fluctuating water conditions, including those associated with climate change.

- Habitat Projects
  Significant fish habitat projects are funded under the 2014 BiOp. Those types of projects would be continued under the ESA Committee's Mitigation Plan.

f. Mitigation and Enhancement Measures Proposed Under the Exemption

The product of decades of mitigation planning and development, the Supplemental 2014 BiOp will serve as the Mitigation and Enhancement Plan ("Mitigation Plan") for the continued operation of the FCRPS. The full and complete set of measures is at: www.salmonrecovery.gov/BiologicalOpinions/FCRPSBiOp.aspx. The Mitigation Plan, if adopted, will ensure that Applicant Agencies can discharge their responsibilities under federal law and make management decisions based on science, not on the vagaries of federal court decisions that have adopted unrealistic and imprudent alternatives.

XIII. CONCLUSION

The Applicant Agencies request that the Secretary of the Interior ("the Secretary") convene the Committee authorized by section 7(g) of the Endangered Species Act and pursuant to 50 CFR § 452.03.

The Applicant Agencies request that the Secretary make a threshold determination that:

- A biological assessment, the foundation of the 2014 BiOp, is in place.

- The Applicant Agencies have refrained from making an irreversible and irretrievable commitment of resources. They have maintained and operated the FCRPS pursuant to the terms of the 2014 Supplemental Biological Opinion.

- Despite this effort, the federal district court in Oregon has declared that the 2014 BiOp violates the ESA jeopardy standard for the survival of Columbia-Snake River salmon and steelhead.

- The Applicant Agencies have carried out consultation responsibilities in good faith and made a reasonable and responsible effort to develop and fairly consider modifications or potential reasonable and prudent alternatives to the proposed action which would not violate the ESA.

- The ESA Committee should: 1) grant an exemption to hydro system operations; and 2) approve the 2014 Supplemental BiOp as the Mitigation Plan for continued operations of the Federal Columbia River Power System.

Message

From: Brown, Joe (Boozman) [Joe_Brown@boozman.senate.gov]
Sent: 1/29/2018 7:18:16 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re:

Nice, we will submit it for the record!

Joe Brown
Legislative Assistant
Office of U.S. Senator John Boozman
141 Hart Senate Office Building
Washington, D.C. 20510
Office 202.224.4843

From: "Jackson, Ryan" <jackson.ryan@epa.gov>
Date: Monday, January 29, 2018 at 2:17 PM
To: "Brown, Joe (Boozman)" <Joe_Brown@boozman.senate.gov>
Subject: <no subject>

http://www.washingtonexaminer.com/epa-frees-arkansas-from-obama-era-coal-restrictions/article/2647378

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

Message

From: Blockchain in Gov for Execs-Managers-Staff- PMs [PotomacForum@GovBlockchainTraining.org]
Sent: 2/13/2018 2:05:55 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Register for Training to Learn about Blockchain in Government

Please Forward to Others In Your Organization Who May be Using Blockchain in Future

Potomac Forum: Blockchain In Government Workshop Series:

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Congressional Keynote Speaker

Congressman David Schweikert
Arizona, 6th Congressional District
Co-Chair, Congressional Blockchain Caucus

Government Speakers

Anil John
Cyber Security R&D Program Manager
Science and Technology Directorate
US Department of Homeland Security
(invited)

Combiz Richard Abdolrahimi, J.D., LL.M., Esq.
Global FinTech & National Security Attorney
(Former Senior Policy Advisor & Project Manager,
Department of the Treasury)

Chris Robey
Blockchain and Procurement Consultant
(Former Procurement Analyst
DHS/U.S. Customs and Border Protection)

Bo Shevchik, MBA, CGFM, PMP
Co-Chair
Association of Government Accountants (AGA)
Blockchain Working Group

Craig Fischer
Innovation Program Manager
Department of the Treasury
(invited)

Paul Grassi
World Recognized Security and Identity Management Expert
Senior Vice President of Cybersecurity, EasyDynamics Corp
(Previously, Senior Standards and Technology Advisor
Trusted Identity Initiative Group, NIST

Additional Government Speakers Awaiting Confirmation

This Workshop is for Government Executives, Managers and Staff and Industry Partners to Understand Blockchain Technology and its use and potential use for Government.

Who Should Attend:

- Federal Government Executives, Managers and staff who are interested in learning about Blockchain and how it can be used in government
- Government Executives, Managers and staff responsible for implementing Agency restructuring plans
- Federal employees or members of employee affinity groups
- Technology leaders and technology implementers

- **CIOs, CFOs and other CXOs**
- **Procurement Personnel**
- **Records Managers**
- **IGs and Staff**
- **State and local Government Executives, Managers and staff**
- **Industry Partners who support the government**

Student Comments from Previous Blockchain Workshop I.

Excellent one-day Workshop. Uncovered some mysteries and provided a roadmap for how government could plan & benefit. Please consider follow on sessions.
Government CIO

Great Workshop! Excellent opportunity and materials to get started in Blockchain.
Assistant Director
Acquisitions Services Branch
Government Agency

Excellent workshop - it generated a lot of knowledge and excitement for future Blockchain applications.
Analyst, Industry Partner

Workshop for Government and Industry Partners
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Thank You.

This email was sent to: jackson.ryan@epa.gov

Go here to leave this mailing list or modify your email profile.
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Potomac Forum, Ltd.

This email was sent by: **Potomac Forum, Ltd.**
400 North Washington Street , Alexandria , Virginia, 22314 , USA

Message

From: Perry, Thomas [Thomas.Perry@simplot.com]
Sent: 2/7/2018 11:06:29 PM
To: Parker, Darren (Risch) [Darren_Parker@Risch.senate.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: [EXTERNAL] Meeting Request

Thanks, Darren. Ryan – I am planning to come back to DC between 2/27 and 3/1. Would any of those dates work for a meeting? Please let me know if you have any questions. Best, Tom

Thomas C. Perry
Associate General Counsel
J.R. Simplot Company
Ex. 6
thomas.perry@simplot.com

Simplot

From: Parker, Darren (Risch) [mailto:Darren_Parker@Risch.senate.gov]
Sent: Wednesday, February 7, 2018 3:26 PM
To: Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>; Perry, Thomas <Thomas.Perry@simplot.com>
Subject: [EXTERNAL] Meeting Request

[Warning: External Email]
Hi Ryan,

Tom Perry from the J.R. Simplot Company in Idaho would like setup a meeting with you for later this month. Tom is one of the best legal minds in Idaho and was formerly a Risch staffer.

Tom – I will let you take it from here to provide the details of when you will be in DC and what will be discussed.

Thank you, Ryan.

Darren

Darren Parker
Legislative Director
Senator James E. Risch
202-224-2752

External Referral - Referred to The Department of Defense for Review and Processing

Message

From: Justin Wingerter [JWingerter@oklahoman.com]
Sent: 2/13/2018 1:51:00 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: RE: EPA Inspector General investigation 2013-14

Hey, Ryan

Thanks for passing that along. I'll take a look and see where it fits in our future coverage of Tar Creek.

All the best,

Justin Wingerter
Federal government reporter
The Oklahoman
Ex. 6
jwingerter@oklahoman.com

From: Jackson, Ryan [mailto:jackson.ryan@epa.gov]
Sent: Monday, February 12, 2018 7:14 PM
To: Justin Wingerter <JWingerter@oklahoman.com>
Subject: EPA Inspector General investigation 2013-14

Justin, I have attached an investigation of the Lead Impacted Communities Relocation Assistance Trust. The EPA Inspector General redacted it for names and made it public in April 2016. I think this will better inform your stories. I hope it is something you are interested in reporting.

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency
Ex. 6

****
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****

Message

From: Chris Wood [Chris.Wood@tu.org]
Sent: 1/31/2018 2:42:11 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Elizabeth Thompson [Elizabeth.Thompson@tu.org]
Subject: Good Sam and Bristol Bay
Attachments: Letter to EPA.pdf

Dear Ryan:

Our mutual friend, Brent Fewell, suggested I get in touch with you about the EPA's desire to help out on the Good Sam/abandoned mine issues. As you know, that is a high priority for Trout Unlimited, as well. Coincidentally, I sent the attached letter to Administrator Pruitt yesterday, and would also like to discuss Bristol Bay with you both.

I have copied Liz Thompson on this email. She can help us to find a time to meet, if you're available.

All my best,

Chris

TROUT UNLIMITED

Chris Wood / President and CEO
cwood@tu.org / Ex. 6

Trout Unlimited
Ex. 6
http://www.tu.org

TROUT UNLIMITED
Chris Wood
President & CEO

January 29, 2018

The Honorable Scott Pruitt
USEPA Headquarters
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Dear Administrator Pruitt:

On behalf of Trout Unlimited and its 300,000 members and supporters, I want to thank you for choosing not to withdraw the Clean Water Act Proposed Determination for the Bristol Bay watershed in southwest Alaska. When we met earlier in the year, you promised that you would listen to the people of Alaska in choosing your actions in Bristol Bay. It is clear that you are a man of your word, as evidenced by your citing the overwhelming public support for protecting Bristol Bay and its remarkable salmon fisheries that support more than 14,000 jobs and produce $1.5 billion in annual economic impact for the state and region.

I realize that this is not the end of the process, and Trout Unlimited will continue to engage in that public process in earnest. In the meantime, I would enjoy the opportunity to meet and discuss Bristol Bay and other issues with you again, at your convenience. In addition, I will be leading a trip to the Bristol Bay area from September 30 to October 4, and would welcome the opportunity to fish the finest fishery in the world with you.

Finally, you will recall that I mentioned the shad fishery on the Potomac during our meeting, and while it is not as prolific as the 60 million salmon that returned to the Bristol Bay watershed last summer, it is an amazing urban fishery, and I would also enjoy introducing you to it this spring.

All my best,

Ch. Wood

A mission to conserve, protect, & restore North America's coldwater fisheries and their watersheds.
National Office: 1777 N Kent St., Suite 100, Arlington, VA 22209
Ex. 6 F: (703) 284-9400 cwood@tu.org www.tu.org

Message

From: Cindy Donelson [cindy@glenncoffee.com]
Sent: 1/23/2018 5:11:48 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Telephone call with Glenn Coffee

Good morning, Mr. Jackson.

Glenn asked that I contact you to see if you have any availability this week for a telephone call. Thank you for your assistance.

Cindy

Cynthia Donelson
Executive Assistant
Glenn Coffee & Associates, PLLC
915 N. Robinson Avenue
Oklahoma City, OK 73102
Ex. 6
Glenn Coffee & Associates

Message

From: Neil J Naraine [Neil.Naraine@ipaper.com]
Sent: 2/8/2018 4:05:10 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: FW: Baytown Sun Article

"(Pruitt) said when the (potentially responsible parties) got mad at him when he came down with the Record of Decision, he said, well you can sue us but we're not going to let it slow this cleanup down," Young said.

Jacksonnnnnnnnnnnnnnnnn

From: Thomas J. Ryan
Sent: Thursday, February 08, 2018 10:57 AM
To: Neil J Naraine <Neil.Naraine@ipaper.com>; Chris J Keuleman <Chris.Keuleman@ipaper.com>; Elton Parker <Elton.Parker@ipaper.com>; Steve Ginski <Steve.Ginski@ipaper.com>; Philip J Slowiak <Philip.Slowiak@ipaper.com>; Deon Vaughan <Deon.Vaughan@ipaper.com>; Lee Pittman <Lee.Pittman@ipaper.com>
Subject: Baytown Sun Article

Waste pits activist meets with environmental head in D.C.

- *By Christopher James*

Environmental activist Jacquelyn Young continues to advocate for the cleanup of the San Jacinto River Waste Pits, this time taking the fight to Washington, D.C.

In late January, Young joined community leaders from across the country in the nation's capital to meet with EPA Administrator Scott Pruitt and Albert Kelly, head of the Superfund Taskforce, along with other EPA officials.

Andrew Dobbs, policy director for Texas Campaign for the Environment, presented EPA officials with a stack of personal written letters at the meeting, asking to cleanup the waste pits. The hundreds of letters served as quite a statement to EPA officials.

"Administrator Pruitt came in for part of the meeting and talked about our site nonstop," said Young. "This site, the San Jacinto River Waste Pits, is at the forefront of that man's mind when it comes to Superfund."

The San Jacinto Waste Pits, adjacent from the Interstate 10 bridge, were filled with paper mill wastes in the 1960s and then abandoned. Due to erosion around the pits they leaked into the river for decades. The site was eventually designated for Superfund status in 2008 and a temporary cap was installed in 2011.

Since being appointed as EPA administrator, Pruitt has continually said he's focused on expediting the Superfund process, which has proved to be true with the waste pits. In October, Pruitt approved an ambitious cleanup solution for the

pits that included excavating 212,000 cubic yards of material laced with dioxin in the dry. The EPA's plan is to isolate the waste material with a cofferdam, pump out water and then excavate. The remedy will cost about $115 million and construction time is slated to take about two years.

"(Pruitt) said when the (potentially responsible parties) got mad at him when he came down with the Record of Decision, he said, well you can sue us but we're not going to let it slow this cleanup down," Young said. "So I like that. We haven't seen much movement before and I'm cautiously hopeful."

The group of environmental activists also used the opportunity to advocate for the reinstatement of the Superfund Polluter Pays Act, which would reinstate the Superfund tax to ensure polluters, not taxpayers, pay for the cleanup of Superfund sites. This could also potentially speed up cleanup of Superfund sites.

"Back when Superfund was created there was a fee for any company who created a product that could become pollution. They would pay these fees into the Superfund system, and it was a great, robust system," said Young. "The EPA back then would clean up around 80 sites some years. When the fees were done away with in the 90s the number of cleanup sites tanked very quickly to less than 20. And I think it's under 10 in recent years."

In March, Congressman Frank Pallone reintroduced legislation to make polluters pay for Superfund cleanup, saying, "With media reports showing that the Trump Administration is considering massive cuts to the EPA, this legislation is more important than ever. President Trump and EPA Administrator Pruitt want to roll back environmental regulations that will benefit powerful corporations. It is essential that Congress step in and pass legislation that protects working families from having to pay for the misdeeds of corporate polluters."

Senators Robert Menendez and Cory Booker along with Congressman Bill Pascrell and EPA Region 2 Administrator Judith Enck joined Pallone in calling for the passage of the bill.

The EPA is currently in remedial design negotiations with potentially responsible parties, International Paper and McGinnes Maintenance Industrial Corporation.

Once design negotiations conclude, the EPA will request a good faith offer for the entire cleanup. If the EPA deems a good-faith offer isn't made, it can either require the parties to perform the decided-upon remedy, fund the remedial action and pursue a cost recovery clam against International Paper and MIMC.

If the companies still refuse to comply with the order, EPA can pursue civil litigation to require compliance. Once either a an administrative order is in place, the companies would then have to develop work plans for construction of the remedy and for protection of the public during construction.

Message

From: Lyons, Troy [lyons.troy@epa.gov]
Sent: 1/29/2018 11:19:09 PM
To: Dudis, Dan (Whitehouse) [Dan_Dudis@whitehouse.senate.gov]
CC: Gaeta, Joe (Whitehouse) [Joe_Gaeta@whitehouse.senate.gov]; Freedhoff, Michal (EPW) [Michal_Freedhoff@epw.senate.gov]; Russell, Richard (EPW) [Richard_Russell@epw.senate.gov]; Leggett, Matt (EPW) [Matt_Leggett@epw.senate.gov]; Jackson, Ryan [jackson.ryan@epa.gov]; Palich, Christian [palich.christian@epa.gov]
Subject: Re: Administrator Pruitt's Schedule (Oct, Nov)

Many thanks, Dan

Sent from my iPhone

On Jan 29, 2018, at 6:11 PM, Dudis, Dan (Whitehouse) <Dan_Dudis@whitehouse.senate.gov> wrote:

> Receipt confirmed and confirming as well that Greaves can remain on the privileged calendar.
>
> **From:** Lyons, Troy [mailto:lyons.troy@epa.gov]
> **Sent:** Monday, January 29, 2018 6:02 PM
> **To:** Gaeta, Joe (Whitehouse) <Joe_Gaeta@whitehouse.senate.gov>; Dudis, Dan (Whitehouse) <Dan_Dudis@whitehouse.senate.gov>; Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; Russell, Richard (EPW) <Richard_Russell@epw.senate.gov>; Leggett, Matt (EPW) <Matt_Leggett@epw.senate.gov>
> **Cc:** Jackson, Ryan <jackson.ryan@epa.gov>; Palich, Christian <palich.christian@epa.gov>
> **Subject:** RE: Administrator Pruitt's Schedule (Oct, Nov)
> **Importance:** High
>
> This is the final batch—I assume this satisfies the Senator's request and we can keep Holly Greaves on the Privileged Calendar.
>
> Could you confirm?
>
> **From:** Lyons, Troy
> **Sent:** Monday, January 29, 2018 5:42 PM
> **To:** 'Gaeta, Joe (Whitehouse)' <Joe_Gaeta@whitehouse.senate.gov>; 'Dudis, Dan (Whitehouse)' <Dan_Dudis@whitehouse.senate.gov>; 'Freedhoff, Michal (EPW)' <Michal_Freedhoff@epw.senate.gov>; 'Russell, Richard (EPW)' <Richard_Russell@epw.senate.gov>; 'Leggett, Matt (EPW)' <Matt_Leggett@epw.senate.gov>
> **Cc:** Jackson, Ryan <jackson.ryan@epa.gov>; Palich, Christian <palich.christian@epa.gov>
> **Subject:** RE: Administrator Pruitt's Schedule (Sept, Dec)
>
> September and December.
>
> October and December coming shortly.
>
> **From:** Lyons, Troy
> **Sent:** Monday, January 29, 2018 5:36 PM
> **To:** 'Gaeta, Joe (Whitehouse)' <Joe_Gaeta@whitehouse.senate.gov>; Dudis, Dan (Whitehouse) <Dan_Dudis@whitehouse.senate.gov>; Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; 'Russell, Richard (EPW)' <Richard_Russell@epw.senate.gov>; 'Leggett, Matt (EPW)'

<Matt_Leggett@epw.senate.gov>
Cc: Jackson, Ryan <jackson.ryan@epa.gov>; Palich, Christian <palich.christian@epa.gov>
Subject: Administrator Pruitt's Schedule (May-August)
Importance: High

Joe—thank you for your patience. We have been experiencing formatting issues with the calendar but here is May 19th—August 31st. As promised, we will produce September-EOY shortly. Due to the size of emails, could you confirm you have received?

Below are the answers to the questions your posed in your original email regarding calendar redactions and use of email.

2. The schedule for Administrator Pruitt changes frequently based on the day's events and competing priorities. The publicly released calendars reflect Administrator Pruitt's actual schedule for each day. If an event that he did not attend, or was canceled, remained on his calendar, that entry has been redacted. Please also keep in mind that the Administrator's day often includes periods of time for reviewing briefing material and other day-to-day work, which may not be reflected on the calendar. The public events, interviews, speeches, and meetings for the dates you have asked about are also found at https://www.epa.gov/senior-leaders-calendars/calendar-scott-pruitt-administrator.

3. I previously responded to the inquiry on personal communications with the following: "Should I correspond with individuals for any purpose outside using my official EPA email accounts, it is on a personal basis through personal addresses. However, to the extent that any arguably work related emails reach my personal account, I forward those communications to official accounts pursuant to EPA policies." I can appreciate the question about "arguably work related" and the potential interpretations of its meaning. To clarify, I err on the side of inclusion to ensure that all work-related emails are captured in my official accounts.

Troy M. Lyons
Associate Administrator
Office of Congressional & Intergovernmental Relations
U.S. Environmental Protection Agency
Ex. 6

Message

From: White, Kimberly [Kimberly_White@americanchemistry.com]
Sent: 1/26/2018 9:42:59 PM
To: Orme-Zavaleta, Jennifer [Orme-Zavaleta.Jennifer@epa.gov]
CC: Pruitt, Scott [Pruitt.Scott@epa.gov]; Wehrum, Bill [Wehrum.Bill@epa.gov]; Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Letter from the ACC Formaldehyde Panel
Attachments: ACC Formaldehyde Panel Letter to EPA - January 26 2018 - Final.pdf

Dear Dr. Orme-Zavaleta

Please find attached a letter on behalf of the American Chemistry Council's Formaldehyde Panel.

Kind Regards,

Kimberly Wise White, Ph.D. | American Chemistry Council
Senior Director, Chemical Products & Technology Division
Kimberly_White@americanchemistry.com
700 2nd Street NE | Washington, DC | 20002
Ex. 6
www.americanchemistry.com

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January 26, 2018

Dr. Jennifer Orme-Zavaleta
Environmental Protection Agency
Deputy Assistant Administrator for Science (Principal)
EPA Science Advisor
Office of Research and Development
Mail code: 8101R
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Dear Dr. Orme-Zavaleta:

Thank you for meeting with members of the American Chemistry Council's Formaldehyde Panel (the Panel) on January 24, 2018. The meeting provided the Panel with an opportunity to stress the importance of producing a revised formaldehyde IRIS assessment that fully implements and resolves scientifically the recommendations of the 2011 National Academy of Sciences (NAS) report.[1] The Panel left the meeting very alarmed and troubled that the revised draft formaldehyde IRIS assessment will not utilize a mode of action framework as the organizing principle to assess hazard and dose response. Further, during the meeting Dr. Bahadori indicated that the revised draft IRIS assessment has not revisited the science but instead will be a restructuring of the draft. Notably the previous draft relied on studies that have been shown in recent years to have significant scientific and methodological issues[2,3]. The Panel is unsure what is meant by "restructuring" but what was previously missing from the draft formaldehyde IRIS assessment was the consideration of mode of action in drawing conclusions. Given the significant amount of science generated for this chemical and the resources committed by the American taxpayers, a revised draft IRIS assessment must revisit all previous conclusions, demonstrate effective and science-based integration of all the lines of evidence and meet the standards of scientific integrity and transparency requested by the NAS and the public.

Additionally, during our meeting the Panel inquired about the regulatory drivers for an updated final formaldehyde IRIS assessment. EPA's Office of Air and Radiation (OAR) staff indicated that they had some activities for completion in 2018 that could be informed if a final revised IRIS assessment was available. EPA staff indicated that the revised draft formaldehyde IRIS assessment is unlikely to be finalized in 2018 due to the necessary and critical internal and external review required. Thus, a final IRIS assessment would not be available to inform the upcoming OAR activities. Given this information, the Panel was surprised to learn that OAR staff will consider the 1989 final IRIS assessment as best available science even though the

[1] National Academy of Sciences (NAS). National Research Council (NRC). 2011. Review of the Environmental Protection Agency's Draft IRIS Assessment of Formaldehyde. Committee to Review EPA's Draft IRIS Assessment of Formaldehyde. Board of Environmental Studies and Toxicology. Division of Earth and Life Sciences.
[2] Mundt, K., Gallagher, A., Dell, L., Natelson, E., Boffetta, P., and Gentry, R. Does occupational exposure to formaldehyde cause hematotoxicity and leukemia-specific chromosome changes in cultured myeloid progenitor cells? (2017) Critical Reviews in Toxicology. Aug;47(7):592-602.
[3] Gentry, R., Rodricks, J., Turnbull, D., Bachand, A., Van Landingham, C., Shipp, A., Albertini, R., and Irons, R. (2013). Formaldehyde exposure and leukemia: Critical review and reevaluation of the results from a study that is the focus for evidence of biological plausibility. Critical Reviews in Toxicology 43, no. 8: 661-670.

ED_002480_00090896-00001

science of formaldehyde has vastly evolved over the last 29 years. The Clean Air Act requires reliance on the best available science and we strongly encourage OAR to use a more recently updated regulatory standard or develop its own formaldehyde risk value, for use in pending activities instead of relying on an outdated 1989 value. Notably, EPA has independently developed values for use in risk assessment related air activities in the past[4].

The Panel has proactively supported cutting-edge research with leading scientists that directly addresses and informs the 2011 NAS recommendations, resulting in several dozen peer reviewed publications. The state of the science has evolved to the point where it is clear that using mode of action as the organizing framework is scientifically justified and necessary in drawing conclusions. The current assumption that any level of formaldehyde exposure results in some level of potential cancer risk, is inconsistent with the available recognized mode of action for this chemical. A "restructuring" of the 2010 draft assessment will not meet the EPA's scientific responsibility to make sound public policy decisions. As discussed during our meeting these new scientific studies demonstrate:

1. The biological implausibility of any relationship between formaldehyde inhalation and leukemia.

2. A threshold mode of action for any potential adverse health effects at the portal of entry.

3. The importance and utility of mode of action science for understanding potential impacts from inhalation exposure to formaldehyde.

4. The need for transparent integration of all streams of scientific evidence (epidemiology, toxicology and mode of action information) to draw scientifically defensible conclusions regarding human health risk.

The integration of mode of action evidence is a key element in an overall weight of the evidence assessment. Failure to account for this scientific evidence in revising a draft formaldehyde IRIS assessment would erroneously suggest that none of these available data inform understanding of cancer risks in the low concentration region, which is most important to understanding potential daily human exposures.

As stated in our meeting, a premature release of a draft assessment that has not followed the full IRIS review process or benefited from the sound scientific advice received during that process will cause irreparable harm to the companies represented by the Panel and to the many companies and jobs that depend on the broad use of the chemical; ACC estimates that approximately 963,000 jobs depend on the use of formaldehyde. The Panel urges you to ensure that the revised draft formaldehyde IRIS assessment can be held to the highest scientific standards. This involves fully implementing and resolving all the NAS recommendations; transparently identifying, evaluating, and integrating the available data using mode of action as the organizing framework; and recognizing that a threshold approach for portal of entry effects is supported by overwhelming evidence. I again reiterate, that the Panel is extremely concerned that a revised draft

[4] April 29, 2004 EPA Office of Air Quality Planning & Standards tabulated dose-response values used in the risk assessment of hazardous air pollutants. In 2004, the Air Office indicated that it did not plan to use the 1987 dose-response value reported in IRIS as it no longer represented the best available science in the peer-reviewed literature. See April 2008 GAO Report titled "EPA's New Assessment Process Will Increase Challenges EPA Faces in Evaluating and Regulating Chemicals" for full details. Webpage: https://www.gao.gov/new.items/d08743t.pdf

formaldehyde IRIS assessment that does not meet these benchmarks will also not meet NAS's original intentions in making its 2011 recommendations and fail to build public confidence in the scientific rigor and value of assessments produced by the IRIS program.

Sincerely,

Kimberly Wise White, Ph.D.
American Chemistry Council (ACC)
Senior Director, Chemical Products and Technology Division
On Behalf of the ACC Formaldehyde Panel

cc
The Honorable Scott Pruitt, Administrator
Mr. Ryan Jackson, Chief of Staff
The Honorable William Wehrum, Assistant Administrator, Office of Air and Radiation

ED_002480_00090896-00003

Message

From: Lyons, Troy [lyons.troy@epa.gov]
Sent: 1/29/2018 11:02:17 PM
To: Gaeta, Joe (Whitehouse) [Joe_Gaeta@whitehouse.senate.gov]; Dudis, Dan (Whitehouse) [Dan_Dudis@whitehouse.senate.gov]; Freedhoff, Michal (EPW) [Michal_Freedhoff@epw.senate.gov]; Russell, Richard (EPW) [Richard_Russell@epw.senate.gov]; Leggett, Matt (EPW) [Matt_Leggett@epw.senate.gov]
CC: Jackson, Ryan [jackson.ryan@epa.gov]; Palich, Christian [palich.christian@epa.gov]
Subject: RE: Administrator Pruitt's Schedule (Oct, Nov)
Attachments: Pruitt Calendar_October 1 - November 30 2017 OGC Rev - OEX additions (Re....pdf

Importance: High

This is the final batch—I assume this satisfies the Senator's request and we can keep Holly Greaves on the Privileged Calendar.

Could you confirm?

From: Lyons, Troy
Sent: Monday, January 29, 2018 5:42 PM
To: 'Gaeta, Joe (Whitehouse)' <Joe_Gaeta@whitehouse.senate.gov>; 'Dudis, Dan (Whitehouse)' <Dan_Dudis@whitehouse.senate.gov>; 'Freedhoff, Michal (EPW)' <Michal_Freedhoff@epw.senate.gov>; 'Russell, Richard (EPW)' <Richard_Russell@epw.senate.gov>; 'Leggett, Matt (EPW)' <Matt_Leggett@epw.senate.gov>
Cc: Jackson, Ryan <jackson.ryan@epa.gov>; Palich, Christian <palich.christian@epa.gov>
Subject: RE: Administrator Pruitt's Schedule (Sept, Dec)

September and December.

October and December coming shortly.

From: Lyons, Troy
Sent: Monday, January 29, 2018 5:36 PM
To: 'Gaeta, Joe (Whitehouse)' <Joe_Gaeta@whitehouse.senate.gov>; Dudis, Dan (Whitehouse) <Dan_Dudis@whitehouse.senate.gov>; Freedhoff, Michal (EPW) <Michal_Freedhoff@epw.senate.gov>; 'Russell, Richard (EPW)' <Richard_Russell@epw.senate.gov>; 'Leggett, Matt (EPW)' <Matt_Leggett@epw.senate.gov>
Cc: Jackson, Ryan <jackson.ryan@epa.gov>; Palich, Christian <palich.christian@epa.gov>
Subject: Administrator Pruitt's Schedule (May-August)
Importance: High

Joe—thank you for your patience. We have been experiencing formatting issues with the calendar but here is May 19th—August 31st. As promised, we will produce September-EOY shortly. Due to the size of emails, could you confirm you have received?

Below are the answers to the questions your posed in your original email regarding calendar redactions and use of email.

2. The schedule for Administrator Pruitt changes frequently based on the day's events and competing priorities. The publicly released calendars reflect Administrator Pruitt's actual schedule for each day. If an event that he did not attend, or was canceled, remained on his calendar, that entry has been redacted. Please also keep in mind that the Administrator's day often includes periods of time for reviewing briefing material and other day-to-day work, which may not be reflected on the calendar. The public events, interviews, speeches, and meetings for the dates you have asked about are also found at https://www.epa.gov/senior-leaders-calendars/calendar-scott-pruitt-administrator.

3. I previously responded to the inquiry on personal communications with the following: "Should I correspond with individuals for any purpose outside using my official EPA email accounts, it is on a personal basis through personal addresses. However, to the extent that any arguably work related emails reach my personal account, I forward those communications to official accounts pursuant to EPA policies." I can appreciate the question about "arguably work related" and the potential interpretations of its meaning. To clarify, I err on the side of inclusion to ensure that all work-related emails are captured in my official accounts.

_____

Troy M. Lyons
Associate Administrator
Office of Congressional & Intergovernmental Relations
U.S. Environmental Protection Agency
Ex. 6

Non-Responsive Record, b(6), b(7)(c)

Details

Monday, October 2, 2017

Time 9:30 AM – 10:00 AM
Subject Pre-Brief: Smart Sectors Launch
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Darwin, Henry <darwin.henry@epa.gov>	Required
Letendre, Daisy <letendre.daisy@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required

Time 11:00 AM – 12:00 PM
Subject White House Deregulation Day - POTUS Speech
Location WH East Room
Reminder 15 minutes
Show Time As Busy

Time 1:00 PM – 2:00 PM
Subject Senior Staff Meeting
Location Alm Conference Room
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Simon, Nigel <Simon.Nigel@epa.gov>	Required

Bangerter, Layne <bangerter.layne@epa.gov>	Required
Ericksen, Doug <ericksen.doug@epa.gov>	Required
Kreutzer, David <kreutzer.david@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Sugiyama, George <sugiyama.george@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
2017Regionfirstassistants <2017Regionfirstassistants@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Shaw, Betsy <Shaw.Betsy@epa.gov>	Required
Etzel, Ruth <Etzel.Ruth@epa.gov>	Required
2017HQfirstassistants <2017HQfirstassistants@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Davis, Patrick <davis.patrick@epa.gov>	Required
Beck, Nancy <beck.nancy@epa.gov>	Required
Elkins, Arthur <Elkins.Arthur@epa.gov>	Required
Slotkin, Ron <slotkin.ron@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Glenn, Trey <Glenn.Trey@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Optional
Wise, Louise <Wise.Louise@epa.gov>	Optional
Greaves, Holly <greaves.holly@epa.gov>	Optional

Brown, Byron <brown.byron@epa.gov>	Optional
Stepp, Cathy <stepp.cathy@epa.gov>	Optional
Fine, Steven <fine.steven@epa.gov>	Required
Lapierre, Kenneth <lapierre.kenneth@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Reeder, John <Reeder.John@epa.gov>	Required
Szaro, Deb <Szaro.Deb@epa.gov>	Required
Nishida, Jane <Nishida.Jane@epa.gov>	Required
Cleland-Hamnett, Wendy <Cleland-Hamnett.Wendy@epa.gov>	Required
Minoli, Kevin <Minoli.Kevin@epa.gov>	Required
Bloom, David <Bloom.David@epa.gov>	Required
Allen, Reginald <Allen.Reginald@epa.gov>	Required
Actadmmccabe, Catherine17 <actadmmccabe.catherine17@epa.gov>	Required
Konkus, John <konkus.john@epa.gov>	Required
Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Required
Kling, David <Kling.Dave@epa.gov>	Required
Kavlock, Robert <Kavlock.Robert@epa.gov>	Required
Vizian, Donna <Vizian.Donna@epa.gov>	Required
Heard, Anne <Heard.Anne@epa.gov>	Required
Richardson, RobinH <Richardson.RobinH@epa.gov>	Required
McCabe, Catherine <McCabe.Catherine@epa.gov>	Required
Strauss, Alexis <Strauss.Alexis@epa.gov>	Required
Kenny, Shannon <Kenny.Shannon@epa.gov>	Required
Flynn, Mike <Flynn.Mike@epa.gov>	Required

Shapiro, Mike <Shapiro.Mike@epa.gov>	Required
Freire, JP <Freire.JP@epa.gov>	Required
EPAVTC <EPAVTC@epa.gov>	Required
Breen, Barry <Breen.Barry@epa.gov>	Required
Torma, Tim <Torma.Tim@epa.gov>	Required
Dunham, Sarah <Dunham.Sarah@epa.gov>	Required
Coleman, Sam <Coleman.Sam@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required
Thomas, Deb <thomas.debrah@epa.gov>	Required
Brennan, Thomas <Brennan.Thomas@epa.gov>	Required
Mugdan, Walter <Mugdan.Walter@epa.gov>	Required
Rodrigues, Cecil <rodrigues.cecil@epa.gov>	Required
Kaplan, Robert <kaplan.robert@epa.gov>	Required
Chu, Ed <Chu.Ed@epa.gov>	Required
Pirzadeh, Michelle <Pirzadeh.Michelle@epa.gov>	Required
Holsman, Marianne <Holsman.Marianne@epa.gov>	Optional
Hill, Randy <Hill.Randy@epa.gov>	Optional
Opalski, Dan <Opalski.Dan@epa.gov>	Optional
Dravis, Samantha <dravis.samantha@epa.gov>	Optional
Forsgren, Lee <Forsgren.Lee@epa.gov>	Optional
Grantham, Nancy <Grantham.Nancy@epa.gov>	Optional
Traylor, Patrick <traylor.patrick@epa.gov>	Optional
DCRoomARNEPAadministrator/DC-Ariel-Rios-AO <DCRoomARNEPAadministrator@epa.gov>	Resource
R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL <R4-RA-Conf-Rm@epa.gov>	Resource

Rodgers, Ryan <Rodgers.Ryan@epa.gov>	Optional
White, Elizabeth <white.elizabeth@epa.gov>	Required
Simon, Nigel <Simon.Nigel@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Wise, Louise <Wise.Louise@epa.gov>	Optional
Harlow, David <harlow.david@epa.gov>	Required
Dourson, Michael <dourson.michael@epa.gov>	Required
Sands, Jeff <sands.jeffrey@epa.gov>	Required
Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>	Required
Wooden-Aguilar, Helena <Wooden-Aguilar.Helena@epa.gov>	Required
Burke, Marcella <burke.marcella@epa.gov>	Required
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required
Jordan, Deborah <Jordan.Deborah@epa.gov>	Required
Hanson, Paige (Catherine) <hanson.catherine@epa.gov>	Required
Gulliford, Jim <gulliford.jim@epa.gov>	Required
Benevento, Douglas <benevento.douglas@epa.gov>	Optional
Servidio, Cosmo <servidio.cosmo@epa.gov>	Optional
Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>	Optional
Ashbee, Blake <ashbee.blake@epa.gov>	Optional
Cherry, Katrina <Cherry.Katrina@epa.gov>	Optional
Caraballo, Mario <Caraballo.Mario@epa.gov>	Optional
Blackburn, Elizabeth <Blackburn.Elizabeth@epa.gov>	Optional
Simon, Harvey <Simon.Harvey@epa.gov>	Optional

Hladick, Christopher <hladick.christopher@epa.gov>	Optional
Sheehan, Charles <Sheehan.Charles@epa.gov>	Optional

Tuesday, October 3, 2017

Time	All Day
Subject	POTUS Trip - Puerto Rico
Reminder	18 hours
Show Time As	Free

Wednesday, October 4, 2017

Time	All Day
Subject	RON: COS
Reminder	18 hours
Show Time As	Free

Time	8:00 AM – 8:30 AM
Subject	Occidental Petroleum Corporation Board of Directors Meeting
Location	Top of the Hay, Hay-Adams Hotel, 800 16th St NW, WDC
Attachments	img-914153056-0001.pdf
Reminder	15 minutes
Show Time As	Busy
	Topic: Emerging environmental policy related to domestic manufacturing and energy production. POC: Al Collins 202-669-5124

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
	Graham, Amy <graham.amy@epa.gov>	Required

Time	8:50 AM – 9:05 AM
Subject	Call: Senator Barrasso
Location	Amy to call Kathi (Staff) at 202-224-5875 then transfer over
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
	Hupp, Millan <hupp.millan@epa.gov>	Required
	McMurray, Forrest <mcmurray.forrest@epa.gov>	Required
	Lyons, Troy <lyons.troy@epa.gov>	Required

Graham, Amy <graham.amy@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time (b)(6) (b)(7)(c)
Subject Flight: (b) to Cincinnati
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time 12:00 PM – 12:15 PM
Subject Call: Chairman Greg Walden
Location SP to call Chairman Walden at (b)(6)
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator <(b)(6) Administrator>	Organizer
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Graham, Amy <graham.amy@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time 12:30 PM – 3:00 PM
Subject Cincinnati GE Additive Technology Center
Location GE Additive, 9701 Windisch Drive, West Chester, OH
Attachments EPA Administrator Pruitt External Meeting Request Form1rrm.docx
Reminder 15 minutes
Show Time As Busy

Point of Contact:
Advance: Roger Martella, roger.martella@ge.com <mailto:roger.martella@ge.com> , (b)(6) ;
On-site, Tim Meyers, tim.meyers@ge.com <mailto:tim.meyers@ge.com> , (b)(6)
On-Site Administration- Alexa Polites, alexa.polites@ge.com <mailto:alexa.polites@ge.com> ; (b)(6)

Time 3:45 PM – 4:15 PM

Subject Call: Senator Grassley
Location SP to call Senator Grassley at (b) (6)
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator < b(6) Administrator	Organizer
Hupp, Millan <hupp.millan@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Graham, Amy <graham.amy@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required

Time (b) (6), (b) (7)(C)
Subject Flight: Cincinnati to ATL
Location (b) (6)
Reminder 15 minutes
Show Time As Busy

Time (b) (6), (b) (7)(C)
Subject Flight: ATL-COS
Location (b) (6)
Reminder 15 minutes
Show Time As Busy

Thursday, October 5, 2017

Time Non-Responsive Record
Subject
Reminder
Show Time As

Time 10:00 AM – 10:15 AM
Subject Dicamba Discussion
Location Phone Call--Details below
Reminder 15 minutes
Show Time As Busy
(b) (6) <tel (b) (6)
Code (b) (6)
TATE TO INITIATE/ENTER: Pin (b)
Attendees

Name <E-mail>	Attendance
b(6) Administrator < b(6) Administrator	Organizer

Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Beck, Nancy <beck.nancy@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required

Time 11:00 AM – 12:00 PM
Subject Roundtable
Location Colorado Springs, CO
Reminder 15 minutes
Show Time As Busy

Time 1:00 PM – 2:30 PM
Subject Speaking Engagement: National Home Builders
Location Colorado Springs, CO
Reminder 15 minutes
Show Time As Busy

Time (b)(6), (b)(7)(c)
Subject Flight: COS - DFW
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time (b)(6), (b)(7)(c)
Subject Flight: DFW-PHX
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Friday, October 6, 2017

Time 10:35 AM – 10:55 AM
Subject Interview: Phoenix Business Journal
Location Phoenix, AZ
Reminder 15 minutes
Show Time As Busy

Time 11:00 AM – 12:00 PM
Subject Meeting: Governor Ducey
Location Phoenix, AZ
Reminder 15 minutes
Show Time As Busy

Time 12:30 PM – 1:20 PM
Subject Arizona Manufacturer's Council Roundtable
Location Phoenix, AZ
Reminder 15 minutes
Show Time As Busy

Time 2:00 PM – 2:20 PM
Subject Arizona Manufacture's Council Annual Luncheon
Location Arizona Biltmore Resort, 2400 East Missouri Ave, Phoenix
Attachments External Meeting Request Form Oct.docx
AZ Manufactures 10.6.17.pdf
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Chmielewski, Kevin <chmielewski.kevin@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required

Time 3:55 PM – 7:15 PM
Subject Flight: Phoenix to Tulsa
Location Southwest
Reminder 15 minutes
Show Time As Busy

Sunday, October 8, 2017

Time All Day
Subject RON: Lexington, KY
Reminder 18 hours
Show Time As Free

Time [redacted]
Subject Flight: TUL - ATL
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight: ATL - LEX
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Monday, October 9, 2017

Time All Day
Subject Columbus Day Holiday
Reminder 18 hours
Show Time As Free

Time [redacted]
Subject
Reminder
Show Time As
Attendees

Time 10:15 AM – 11:00 AM
Subject Coal Event at Whayne Supply
Location Hazard, KY
Reminder 15 minutes
Show Time As Busy

Time 11:00 AM – 11:15 AM
Subject FOX Interview
Location Hazard, KY
Reminder 15 minutes
Show Time As Busy

Time 11:30 AM – 12:15 PM
Subject Roundtable at LD Gorman's Office
Location Hazard, KY
Reminder 15 minutes
Show Time As Busy

Time 2:30 PM – 3:30 PM
Subject Agriculture Event at Mayhan Farm
Location Georgetown, KY
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight: LEX - ATL
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight: ATL - [redacted]
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Tuesday, October 10, 2017

Time	(b) (6)
Subject	
Location	
Reminder	
Show Time As	
Attendees	

Time	9:30 AM – 10:00 AM
Subject	Meeting with CEO of Statoil
Location	Administrator's Office
Attachments	EPA Administrator Pruitt External Meeting Request Form.docx
Reminder	15 minutes
Show Time As	Busy

Attendees

Name <E-mail>	Attendance
(b) (6) Administrator < (b) (6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required

Time	10:15 AM – 10:35 AM
Subject	Keynote Speech: Combined Federal Campaign (CFC) Kick-off
Location	Green Room
Attachments	Administrator Meeting Request Form 8 4 17.docx
Reminder	15 minutes
Show Time As	Busy
	Topic: Consider donating to charities, attend events and learn about process for donating. 10 mins remarks, 10 mins mingling POC: Sarah Greenwalt Jini Mohanty, EPA CFC Manager, Office of Water, mohanty.jini@epa.gov <mailto:mohanty.jini@epa.gov> , 202-564-5269

Attendees

Name <E-mail>	Attendance

b(6) Administrator <b(6) Administrator>	Organizer
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required

Time 10:30 AM – 11:00 AM
Subject Briefing: WH Infrastructure - Water Industry
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required

Time 11:00 AM – 12:00 PM
Subject Briefing: Sue & Settle
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required

Time 2:00 PM – 2:45 PM
Subject WH Infrastructure Briefing - Water
Location EEOB South Court Auditorium
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance

b(6) Administrator <b(6) Administrator>	Organizer
Jackson, Ryan <jackson.ryan@epa.gov>	Required

Time 3:00 PM – 3:30 PM
Subject Briefing: Glider Kits
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required

Time
Subject Briefing: COP-23; Bonn, Germany
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Millan Hupp (hupp.millan@epa.gov) <hupp.millan@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 6:00 PM – 6:30 PM
Subject Media: Bret Baier
Reminder 15 minutes
Show Time As Busy

Wednesday, October 11, 2017

Time Not Responsive Record
Subject
Reminder
Show Time As

Time 8:05 AM – 8:15 AM
Subject Live Radio Call-In: Hugh Hewitt
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required

Time 8:30 AM – 9:00 AM
Subject Internal Scheduling Meeting
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Millan Hupp (hupp.millan@epa.gov) <hupp.millan@epa.gov>	Required
Ford, Hayley <ford.hayley@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Chmielewski, Kevin <chmielewski.kevin@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 9:00 AM – 10:00 AM
Subject Speaking Engagement: National Tribal Operational Meeting
Location Green Room

Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Chmielewski, Kevin <chmielewski.kevin@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 10:00 AM – 11:00 AM
Subject Briefing: Sue & Settle
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required

Time 11:30 AM – 11:50 AM
Subject Call with Secretary Ross
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

Time	12:00 PM – 1:30 PM
Subject	(b)(6)
Location	
Reminder	
Show Time As	
Attendees	

Time	2:00 PM – 2:45 PM
Subject	Interview with (b)(6)
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Name <E-mail>	**Attendance**
(b)(6) Administrator < (b)(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

Time	3:00 PM – 3:15 PM
Subject	Call: Senator Ernst
Location	Hayley has call details
Reminder	15 minutes
Show Time As	Busy

Name <E-mail>	**Attendance**
(b)(6) Administrator < (b)(6) Administrator>	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Palich, Christian <palich.christian@epa.gov>	Required

Time	3:30 PM – 4:00 PM
Subject	Meeting: Ambassador Boyden Gray
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Name <E-mail>	**Attendance**

	(b)(7) Administrator < (b)(7) Administrator>	Organizer
	Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
	Dravis, Samantha <dravis.samantha@epa.gov>	Required
	Bolen, Brittany <bolen.brittany@epa.gov>	Required
	Baptist, Erik <baptist.erik@epa.gov>	Required

Time 4:00 PM – 4:15 PM
Subject Signing: San Jacinto ROD
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(7) Administrator < (b)(7) Administrator>	Organizer
Kelly, Albert <kelly.albert@epa.gov>	Required
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Optional
Breen, Barry <Breen.Barry@epa.gov>	Optional
Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Optional

Time 4:15 PM – 4:30 PM
Subject Call: Senator Moran
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(7) Administrator < (b)(7) Administrator>	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required
Palich, Christian <palich.christian@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required

Time (b)(6),(b)(7)(c)
Subject Flight: (b) - ATL
Location (b)(6)
Reminder 15 minutes

Show Time As Busy

Time [redacted]
Subject Flight: ATL - JAN
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Thursday, October 12, 2017

Time 8:18 AM – 8:45 AM
Subject Live Radio Interview
Location Jackson, MS
Reminder 15 minutes
Show Time As Busy

Time 9:15 AM – 9:45 AM
Subject Meeting: Governor Bryant
Location Jackson, MS
Reminder 15 minutes
Show Time As Busy

Time 10:00 AM – 11:30 AM
Subject WOTUS Discussion
Location Jackson, MS
Reminder 15 minutes
Show Time As Busy

Time 12:00 PM – 12:30 PM
Subject Farm Tour and Meeting with Farm Bureau
Location Bolton, MS
Reminder 15 minutes
Show Time As Busy

Time 2:45 PM – 3:00 PM
Subject Media: Print Interview
Location Jackson, MS
Reminder 15 minutes
Show Time As Busy

Time 3:00 PM – 3:50 PM
Subject OTR Media Interview
Location Jackson, MS
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight JAN - ATL
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Time [redacted]

Subject Flight: ATL - [redacted]
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Friday, October 13, 2017

Time 8:15 AM – 8:45 AM
Subject Interview: Kelsi Daniell (OPA)
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time 9:00 AM – 9:30 AM
Subject Meeting: Biodiesel Fuels Board
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Time 9:30 AM – 10:30 AM
Subject Briefing: WOTUS
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required

Dravis, Samantha <dravis.samantha@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required

Time 10:30 AM – 11:00 AM
Subject Briefing: Air Monitoring Rule Litigation
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Schwab, Justin <schwab.justin@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required

Time 11:00 AM – 11:45 AM
Subject Briefing: OECA Update
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required

Time 12:00 PM – 1:15 PM
Subject Lunch with Rep. Shimkus
Location Lafayette, Hay-Adams

Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required

Time 1:30 PM – 3:00 PM
Subject NSC Principals Meeting: Hurricane Recovery
Location WH
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 3:15 PM – 3:45 PM
Subject Briefing: Gliders
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Baptist, Erik <baptist.erik@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Time 3:45 PM – 4:15 PM
Subject Briefing: Sue & Settle
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer

Baptist, Erik <baptist.erik@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Konkus, John <konkus.john@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 4:15 PM – 4:45 PM
Subject Briefing: Litigation Sensitive
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Fotouhi, David <fotouhi.david@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required

Time 5:30 PM – 6:15 PM
Subject Briefing: WOTUS
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Sunday, October 15, 2017

Time 12:00 AM – 12:30 AM
Subject
Reminder 15 minutes
Show Time As Busy

[redacted]
Subject Flight: DFW - ATL
Location [redacted]
Reminder 15 minutes
Show Time As Busy

(b) (6), (b) (7)(E)

Subject Flight: ATL - (b)

Location (b) (6)

Reminder 15 minutes

Show Time As Busy

Monday, October 16, 2017

Tim (b) (6), (b)

Subjec

Locatio

Recurrenc

Show Time A

Attendee

b(5), DPP

B(5) DPP

Time	9:00 AM – 10:45 AM
Subject	Sue & Settle Rollout
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	

Name <E-mail>	**Attendance**
B(6) Administrator < B(6) Administrator	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required

Time	10:25 AM – 10:45 AM
Subject	TV Interview: KWTV
Location	Administrator's Office

Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Abboud, Michael <abboud.michael@epa.gov>	Required
Hewitt, James <hewitt.james@epa.gov>	Required

Time 11:00 AM – 12:30 PM
Subject Cabinet Meeting
Location WH Cabinet Room
Reminder 15 minutes
Show Time As Busy

Time 1:00 PM – 2:00 PM
Subject Lunch with Senator Grassley
Location Senate Members Dining Room (S-110)
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required

Time 2:30 PM – 3:00 PM
Subject Meeting: Green Plains
Location Administrator's Office
Attachments Green Plains - EPA Administrator Pruitt External Meeting Request Form.docx
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required

Time 3:00 PM – 3:30 PM
Subject Briefing: Science Boards
Location Administrator's Office
Reminder 15 minutes

Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required

Time 3:30 PM – 4:30 PM
Subject Briefing: Pre-ROD - Casmalia Superfund Site in California
Location Alm Room / Region 9 by video
Reminder 15 minutes
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Kelly, Albert <kelly.albert@epa.gov>	Required
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required
Fonseca, Silvina <Fonseca.Silvina@epa.gov>	Required
Darwin, Veronica <darwin.veronica@epa.gov>	Optional
Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Optional
Bodine, Susan <bodine.susan@epa.gov>	Optional
Breen, Barry <Breen.Barry@epa.gov>	Optional

Time 4:30 PM – 5:00 PM
Subject Pre-Brief: RCRA-applied-to-retail for Walmart Meeting
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Brown, Byron <brown.byron@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Beck, Nancy <beck.nancy@epa.gov>	Required

Bodine, Susan <bodine.susan@epa.gov>	Optional

Tuesday, October 17, 2017

Time 9:00 AM – 9:30 AM
Subject Speaking Engagement & Interview Prep--10/17/17
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required

Time 9:30 AM – 10:00 AM
Subject Briefing: Risk Management Plan
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Darwin, Veronica <darwin.veronica@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required

Time 10:00 AM – 10:30 AM
Subject Briefing: True Environmentalism
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] <[redacted]	Organizer
	Bowman, Liz <Bowman.Liz@epa.gov>	Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time	10:30 AM – 11:30 AM
Subject	Briefing: Pesticides
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] <[redacted]	Organizer
	Beck, Nancy <beck.nancy@epa.gov>	Required
	Baptist, Erik <baptist.erik@epa.gov>	Required

Time	12:00 PM – 12:10 PM
Subject	Live TV Interview: Neil Cavuto
Location	Fox Studio, 100 N Capitol St, WDC
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] <[redacted]	Organizer
	Bowman, Liz <Bowman.Liz@epa.gov>	Required
	Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
	Abboud, Michael <abboud.michael@epa.gov>	Required
	Hewitt, James <hewitt.james@epa.gov>	Required

Time	1:00 PM – 1:45 PM
Subject	Heritage Foundation speaking engagement
Location	Marriott Marquis - DC
Show Time As	Busy
	Format: 15 mins remarks; 25 mins Q&A; Fireside chat

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] <[redacted]	Organizer

Bowman, Liz <Bowman.Liz@epa.gov>	Required

Time 2:15 PM – 3:00 PM
Subject HOLD: Sue & Settle Roundtable with Conservative Leaders
Location WH
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Required

Time 3:30 PM – 4:30 PM
Subject Hill Meeting
Location Hart 135 (Senator Grassley's Office)
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Optional
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Wednesday, October 18, 2017

Time 8:00 AM – 9:00 AM
Subject Breakfast with Senator Sullivan
Location WH Mess
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required

Time 9:30 AM – 10:00 AM
Subject Time Magazine with Justin Worland
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required

Time 10:15 AM – 10:30 AM
Subject Call: Governor Reynolds
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 10:30 AM – 11:00 AM
Subject Meeting: Orange County Superfund Site
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Kelly, Albert <kelly.albert@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required

Time 11:00 AM – 11:45 AM
Subject Meeting: Fred Barnes
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer

	Bowman, Liz <Bowman.Liz@epa.gov>	Required

Time	2:15 PM – 2:45 PM
Subject	Meeting: Walmart
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
	Topic: RCRA-applied-to-retail concerns
Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Brown, Byron <brown.byron@epa.gov>	Required
	Fotouhi, David <fotouhi.david@epa.gov>	Required
	Beck, Nancy <beck.nancy@epa.gov>	Required
	Wagner, Kenneth <wagner.kenneth@epa.gov>	Required
	Bodine, Susan <bodine.susan@epa.gov>	Optional

Time	3:00 PM – 3:30 PM
Subject	Meeting: Rubicon Global
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Time	3:30 PM – 5:30 PM
Subject	Briefing: WOTUS
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
	Bodine, Susan <bodine.susan@epa.gov>	Required
	Bolen, Brittany <bolen.brittany@epa.gov>	Required
	Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
	Fotouhi, David <fotouhi.david@epa.gov>	Required
	Jackson, Ryan <jackson.ryan@epa.gov>	Required
	Dravis, Samantha <dravis.samantha@epa.gov>	Required

Time 6:00 PM – 6:15 PM
Subject Meeting: Helena Wooden-Aguilar
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator < (b)(6) Administrator	Organizer
Wooden-Aguilar, Helena <Wooden-Aguilar.Helena@epa.gov>	Required

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Thursday, October 19, 2017

Time Non Responsive Records
Subject
Reminder
Show Time As

Time (b)(6), (b)(7)(c)
Subject Flight: (b)(6) - ATL
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time (b)(6), (b)(7)(c)
Subject Flight: ATL - IAH
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time 5:00 PM – 6:00 PM
Subject Roundtable of San Jacinto Superfund
Location Houston, TX
Reminder 15 minutes
Show Time As Busy

Time 6:15 PM – 6:30 PM
Subject Call with Governor Herbert
Location SP to call Governor's cell
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator < (b)(6) Administrator	Organizer
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required

	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time 7:30 PM – 8:00 PM
Subject TXOGA Speaking Engagement
Location The Woodlands Resort & Conference Center
Attachments Administrator Pruitt Speaking Request Form 8.7.17.docx
2017 TXOGA Board of Directors 6.29.17.pdf
Reminder 15 minutes
Show Time As Busy

Run of Show:
5:30PM – Reception
6:30PM – Distinguished Service Awards dinner (honoring Concho CEO Tim Leach); All guests seated
6:30PM – Administrator: 15-20 mins of remarks; 5-10 mins of Q&A

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Chmielewski, Kevin <chmielewski.kevin@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time [redacted]
Subject Flight: IAH - OMA
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Friday, October 20, 2017

Time 8:30 AM – 9:15 AM
Subject Chief of Staff Meeting
Location Alm Room
Show Time As Busy

Please note the location starting 9 May 2017
POC: ALM Room Cheryl Woodward

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Konkus, John <konkus.john@epa.gov>	Required
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required

Traylor, Patrick <traylor.patrick@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
Chmielewski, Kevin <chmielewski.kevin@epa.gov>	Required
White, Elizabeth <white.elizabeth@epa.gov>	Required
Graham, Amy <graham.amy@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Dominguez, Alexander <dominguez.alexander@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required
Feeley, Drew (Robert) <Feeley.Drew@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Hewitt, James <hewitt.james@epa.gov>	Required
Kelly, Albert <kelly.albert@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Rodrick, Christian <rodrick.christian@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required

Beck, Nancy <beck.nancy@epa.gov>	Required
Frye, Tony (Robert) <frye.robert@epa.gov>	Required
Abboud, Michael <abboud.michael@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
Darwin, Veronica <darwin.veronica@epa.gov>	Required
Palich, Christian <palich.christian@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Letendre, Daisy <letendre.daisy@epa.gov>	Required
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Dourson, Michael <dourson.michael@epa.gov>	Required
Lovell, Will (William) <lovell.william@epa.gov>	Optional
Dickerson, Aaron <dickerson.aaron@epa.gov>	Optional
Baptist, Erik <baptist.erik@epa.gov>	Optional
Shimmin, Kaitlyn <shimmin.kaitlyn@epa.gov>	Optional
Willis, Sharnett <Willis.Sharnett@epa.gov>	Optional
Ford, Hayley <ford.hayley@epa.gov>	Optional
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Optional
DCRoomARNEPAadministrator/DC-Ariel-Rios-AO <DCRoomARNEPAadministrator@epa.gov>	Resource
Sands, Jeff <sands.jeffrey@epa.gov>	Required
Kundinger, Kelly <kundinger.kelly@epa.gov>	Required
Inge, Carolyn <Inge.Carolyn@epa.gov>	Optional

Burke, Marcella <burke.marcella@epa.gov>	Required
Sands, Jeffrey <sands.jeffrey@epa.gov>	Required
Hanson, Catherine <hanson.catherine@epa.gov>	Required
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required
Bolen, Derrick <bolen.derrick@epa.gov>	Required

Time 9:08 AM – 9:15 AM
Subject Radio Interview
Location Omaha, NE
Reminder 15 minutes
Show Time As Busy

Time 10:15 AM – 10:25 AM
Subject TV interview
Location Lincoln, NE
Reminder 15 minutes
Show Time As Busy

Time 11:00 AM – 12:00 PM
Subject Meeting with Governor Ricketts and Cabinet Members
Location Lincoln, NE
Reminder 15 minutes
Show Time As Busy

Time 12:00 PM – 1:00 PM
Subject WOTUS Roundtable with Stakeholders
Location Lincoln, NE
Reminder 15 minutes
Show Time As Busy

Time 4:30 PM – 5:30 PM
Subject Meeting with Union Pacific
Location Omaha, NE
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight: OMA - DTW
Location [redacted]
Reminder 15 minutes
Show Time As Busy

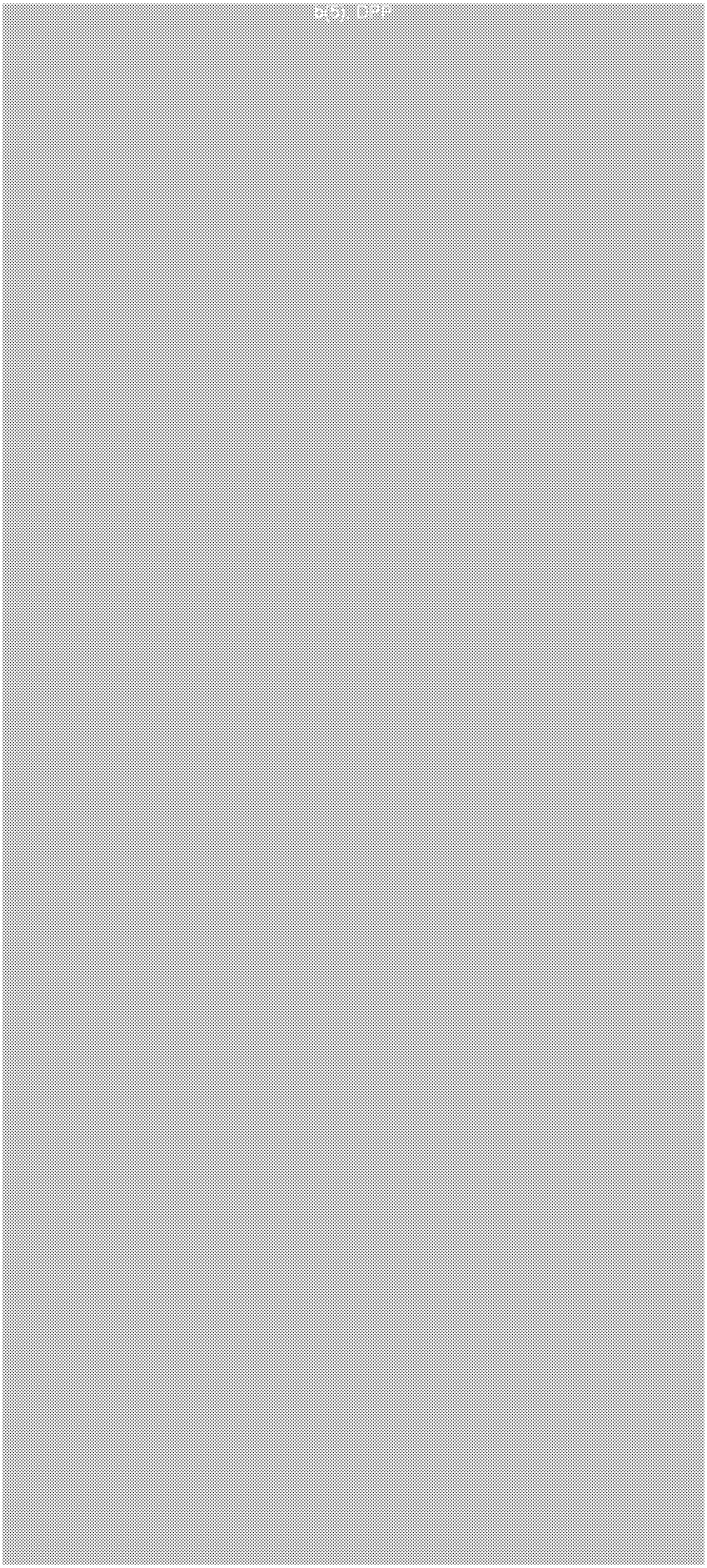
Time [redacted]
Subject Flight: DTW - [redacted]
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Monday, October 23, 2017

Time	(b)(3),(b)(7)(E)
Subject	Flight: (b) - BNA
Location	(b)(6)
Reminder	15 minutes
Show Time As	Busy

Time	12:00 PM – 1:00 PM
Subject	Speaking Engagement: BG Products Annual International Sales Convention
Location	Hilton Nashville Downtown, Nashville, TN
Attachments	External Meeting Request Form.docx RE_ Ethics Approval for Nashville Speaking Event 10_23.pdf
Reminder	15 minutes
Show Time As	Busy

Time	(b)(5),DPP
Subject	
Location	
Show Time As	
Attendees	



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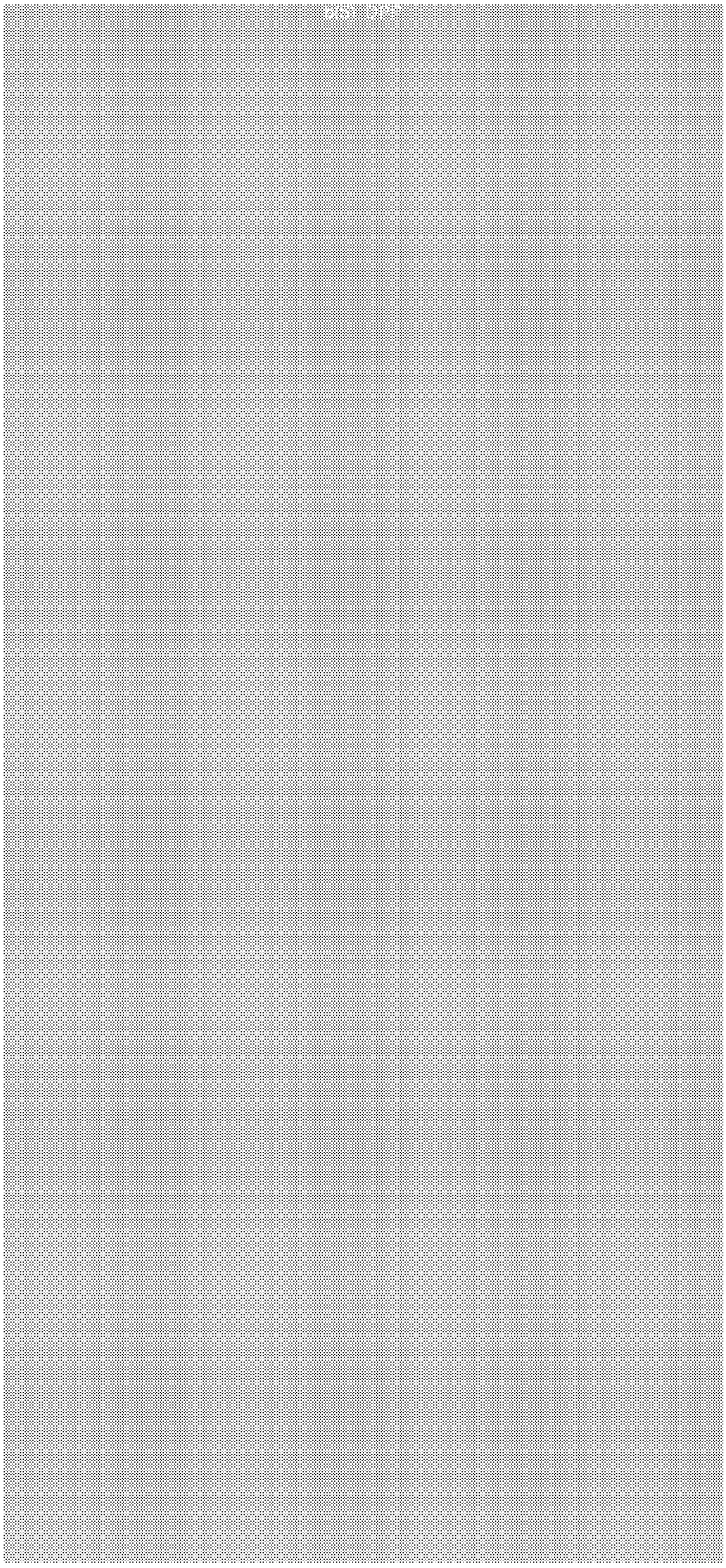
GAS: OFF

(b)(6), DPP

Time	3:00 PM – 4:00 PM
Subject	Meeting with Governor Haslam and State Officials
Location	Nashville, TN
Reminder	15 minutes
Show Time As	Busy

Attendees Name <E-mail>	**Attendance**
(b)(6) Administrator <(b)(6) Administrator>	Organizer
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required

Time	4:30 PM – 5:30 PM
Subject	Speaking Engagement: Tennessee Farm Bureau
Location	Franklin, TN
Reminder	15 minutes
Show Time As	Busy

Time	(b)(6), (b)(7)(f)(b)
Subject	Flight: BNA - (b)
Location	(b)(6)
Reminder	15 minutes
Show Time As	Busy

Tuesday, October 24, 2017

Time	9:30 AM – 10:00 AM

Subject Weekly Discussion with Sarah
Location Administrator's Office
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time [redacted]
Subject Briefing: Superfund
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Kelly, Albert <kelly.albert@epa.gov>	Required

Time 11:00 AM – 11:30 AM
Subject Home Builder / Stormwater Enforcement Meeting
Location Alm Room
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 11:30 AM – 12:00 PM
Subject Briefing: Air Issues
Location Administrator's Office
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required

Bolen, Brittany <bolen.brittany@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Time 1:45 PM – 2:15 PM
Subject Meeting: Governor Reynolds
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Time 2:30 PM – 3:15 PM
Subject Interview: Region 5 Administrator
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required

Time 3:10 PM – 3:20 PM
Subject Call: Senator Manchin
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required
Palich, Christian <palich.christian@epa.gov>	Required

Time 3:15 PM – 3:45 PM
Subject Meeting: Plains All American Pipeline

Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 4:10 PM – 4:40 PM
Subject Briefing: Air Issues
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required

Time 4:55 PM – 5:25 PM
Subject Briefing: Science Boards
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 5:30 PM – 5:45 PM
Subject Call: Senator Capito

Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required

Wednesday, October 25, 2017

Time 8:00 AM – 9:00 AM
Subject Chief of Staff Meeting
Location Alm Room
Show Time As Busy
Please note the location starting 9 May 2017
POC: ALM Room Cheryl Woodward
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Konkus, John <konkus.john@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
Chmielewski, Kevin <chmielewski.kevin@epa.gov>	Required
White, Elizabeth <white.elizabeth@epa.gov>	Required
Graham, Amy <graham.amy@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Feeley, Drew (Robert) <Feeley.Drew@epa.gov>	Required
Hewitt, James <hewitt.james@epa.gov>	Required
Rodrick, Christian <rodrick.christian@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required

Beck, Nancy <beck.nancy@epa.gov>	Required
Palich, Christian <palich.christian@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Dourson, Michael <dourson.michael@epa.gov>	Required
Shimmin, Kaitlyn <shimmin.kaitlyn@epa.gov>	Optional
Ford, Hayley <ford.hayley@epa.gov>	Optional
DCRoomARNEPAadministrator/DC-Ariel-Rios-AO <DCRoomARNEPAadministrator@epa.gov>	Resource
Schwab, Justin <schwab.justin@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Letendre, Daisy <letendre.daisy@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Optional
Dominguez, Alexander <dominguez.alexander@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required
Sands, Jeffrey <sands.jeffrey@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Willis, Sharnett <Willis.Sharnett@epa.gov>	Optional
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required
Kelly, Albert <kelly.albert@epa.gov>	Required
Dickerson, Aaron <dickerson.aaron@epa.gov>	Optional

Dravis, Samantha <dravis.samantha@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required
Frye, Tony (Robert) <frye.robert@epa.gov>	Required
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Abboud, Michael <abboud.michael@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Optional
Darwin, Veronica <darwin.veronica@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Lovell, Will (William) <lovell.william@epa.gov>	Optional
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Bolen, Derrick <bolen.derrick@epa.gov>	Required
Kundinger, Kelly <kundinger.kelly@epa.gov>	Required
Inge, Carolyn <Inge.Carolyn@epa.gov>	Optional
Burke, Marcella <burke.marcella@epa.gov>	Required
Hanson, Catherine <hanson.catherine@epa.gov>	Required
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required

Time 9:30 AM – 10:00 AM
Subject Bloomberg Interview
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required

Time 10:15 AM – 10:45 AM

Subject Meeting: Rosebud Mining Company
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
POC: Matt Mazefsky, Matt.Mazefsky@rosebudmining.com
<mailto:Matt.Mazefsky@rosebudmining.com>

Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Required

Time 10:45 AM – 11:30 AM
Subject Briefing: Pesticides
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Beck, Nancy <beck.nancy@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Sands, Jeffrey <sands.jeffrey@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Dourson, Michael <dourson.michael@epa.gov>	Required
Bolen, Derrick <bolen.derrick@epa.gov>	Optional

Time 11:50 AM – 12:20 PM
Subject Weekly Discussion: Enforcement
Location Administrator's Office
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Traylor, Patrick <traylor.patrick@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required

Time 2:15 PM – 3:00 PM
Subject Briefing: CAFE
Location Administrator's Office
Reminder 15 minutes

Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required

Time 3:00 PM – 3:30 PM

Subject Meeting: Inspector General

Location Administrator's Office

Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Elkins, Arthur <Elkins.Arthur@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Sheehan, Charles <Sheehan.Charles@epa.gov>	Optional

Time [redacted]

Subject Meeting with Moroccan Ambassador

Location Administrator's Office

Reminder 15 minutes

Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Hupp, Millan <hupp.millan@epa.gov>	Required
Nishida, Jane <Nishida.Jane@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Time 4:45 PM – 5:30 PM

Subject Briefing: Pittsburgh Drinking Water

Location Administrator's Office
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Shapiro, Mike <Shapiro.Mike@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Servidio, Cosmo <servidio.cosmo@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required
Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Required

Thursday, October 26, 2017

Time [redacted]
Subject
Attachments
Reminder
Show Time As

Time 8:00 AM – 9:00 AM
Subject Breakfast with Senator Toomey
Location Senate Dining Room
Reminder 15 minutes
Show Time As Busy
POC: Danielle Quercia, Danielle_Quercia@toomey.senate.gov

Time 9:30 AM – 9:45 AM
Subject Radio Interview
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required

Hewitt, James <hewitt.james@epa.gov>	Required

Time 10:00 AM – 10:30 AM
Subject Remarks: OECA Criminal Investigation Division, Special Agent-in-Charge Planning Meeting
Location 2530 North
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Bodine, Susan <bodine.susan@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required

Time 11:00 AM – 11:45 AM
Subject Interview: Region 6 Administrator
Location Administrator's Office
Attachments image2017-10-18-020719.pdf
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required

Time 2:00 PM – 2:30 PM
Subject POTUS Speech
Location East Room
Reminder 15 minutes
Show Time As Busy

Time 3:00 PM – 3:45 PM
Subject POTUS Meeting
Location Oval Office
Reminder 15 minutes
Show Time As Busy

Friday, October 27, 2017

Time [redacted]
Subject Flight: [redacted] - ATL
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Time [redacted]

Subject Flight: ATL - MSY
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time 11:15 AM – 12:00 PM
Subject Working Breakfast
Location New Orleans
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator <(b)(6) Administrator>	Organizer
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required

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Time 12:15 PM – 1:00 PM
Subject Keynote: Louisiana Chemical Association/Chemical Industry Alliance Annual Meeting
Location Loews New Orleans Hotel, Louisiana Ballroom, 300 Poydras St, New Orleans, LA
Attachments EPA Administrator Pruitt Speaker Request Form1.docx
RE_ Ethics Review_ Louisiana Chemical Association & Chemical Industry Alliance Speaking Engagement.pdf
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator <(b)(6) Administrator>	Organizer
Hupp, Millan <hupp.millan@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required

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Time (b)(6)
Subject
Location
Reminder
Show Time As

Time (b)(6); (b)(7)(c)
Subject HOLD: Fly NOLA to Tulsa
Location (b)
Reminder 15 minutes
Show Time As Busy

Monday, October 30, 2017

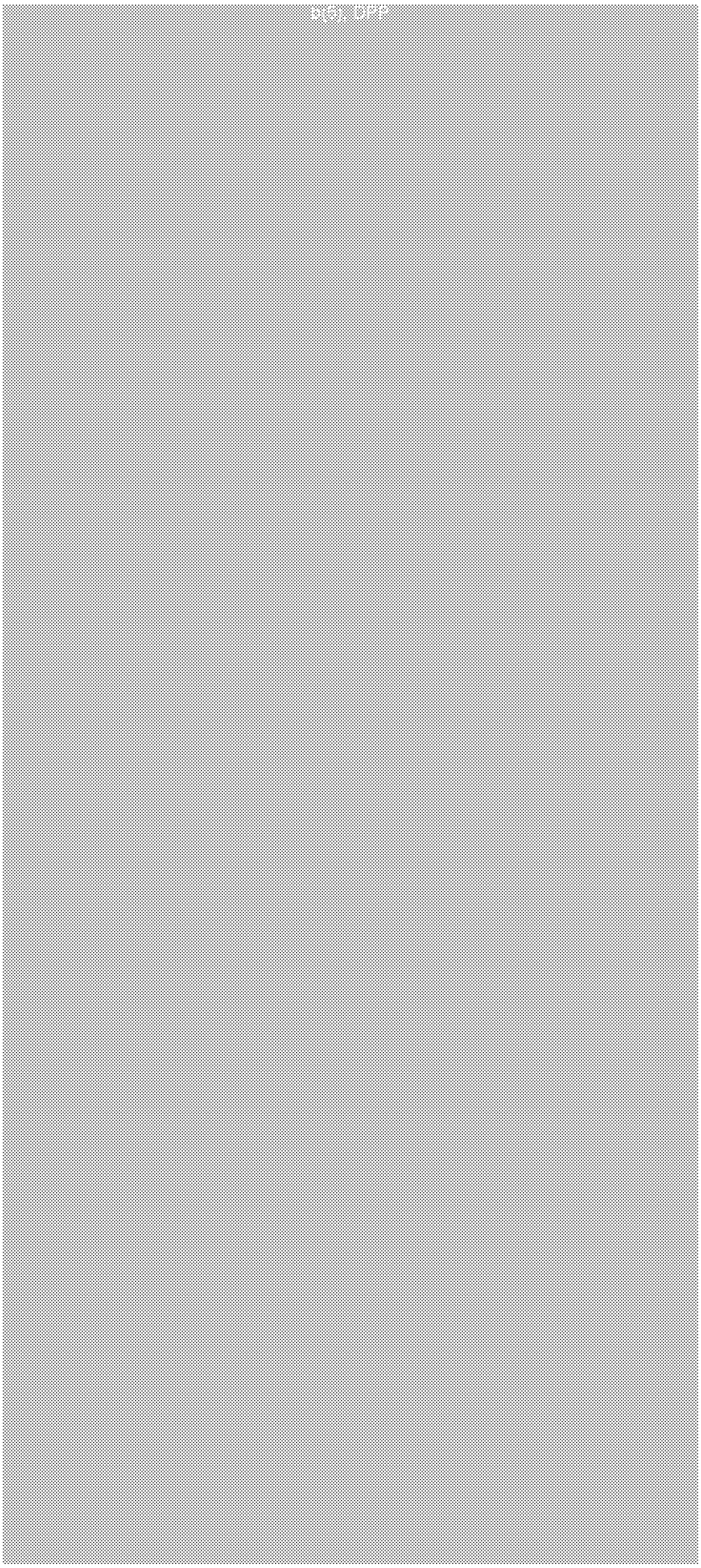
Time (b)(6); (b)(7)(c)
Subject Flight: TUL - ATL
Location (b)(6)

Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight: ATL - [redacted]
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Time 12:00 PM – 1:00 PM
Subject Speaking Engagement: Interstate Mining Compact Commission (IMCC) State/Federal Session
Location The Fairmont Georgetown, Culpeper Room, 2401 M St NW, WDC
Attachments EPA Administrator Pruitt Speaker Request Form.docx
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject
Location
Show Time As
Attendees



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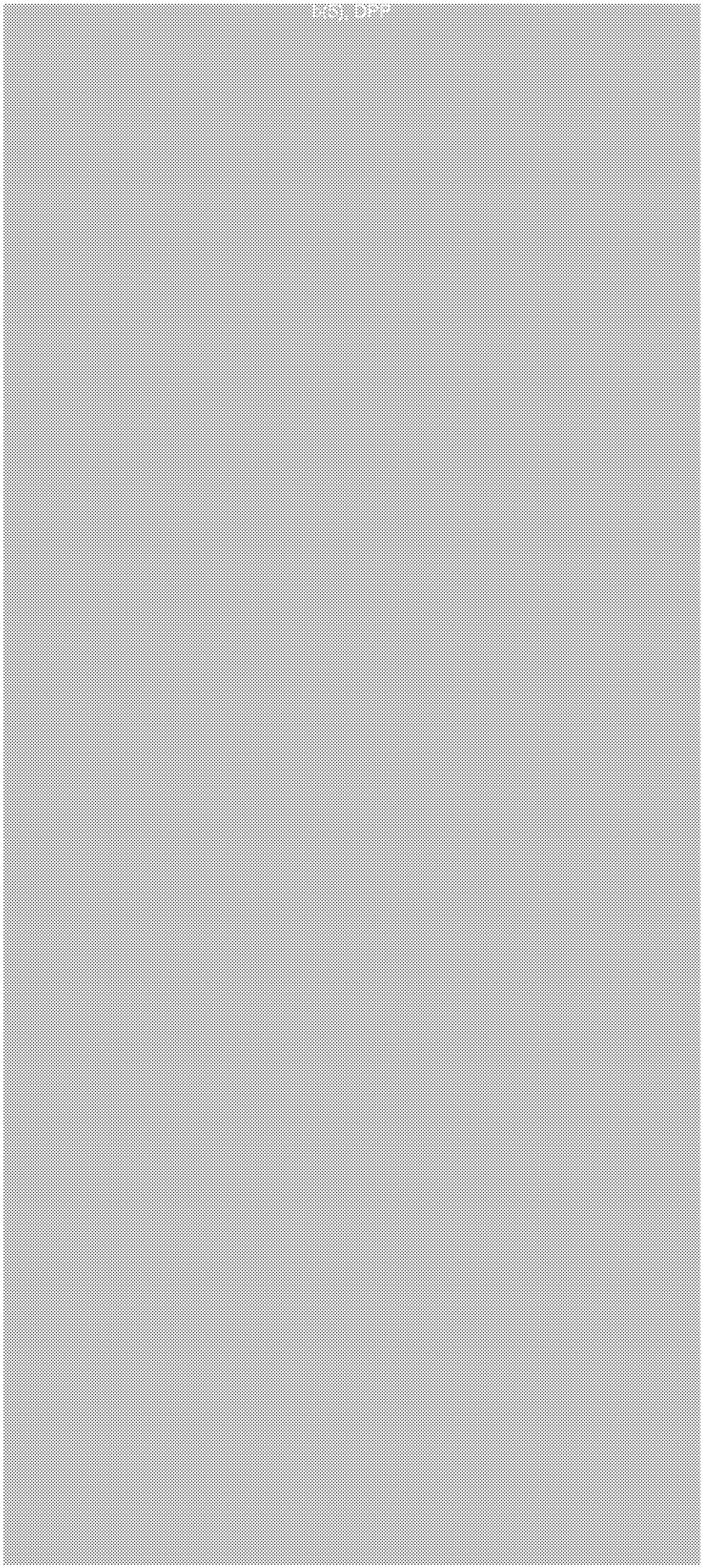
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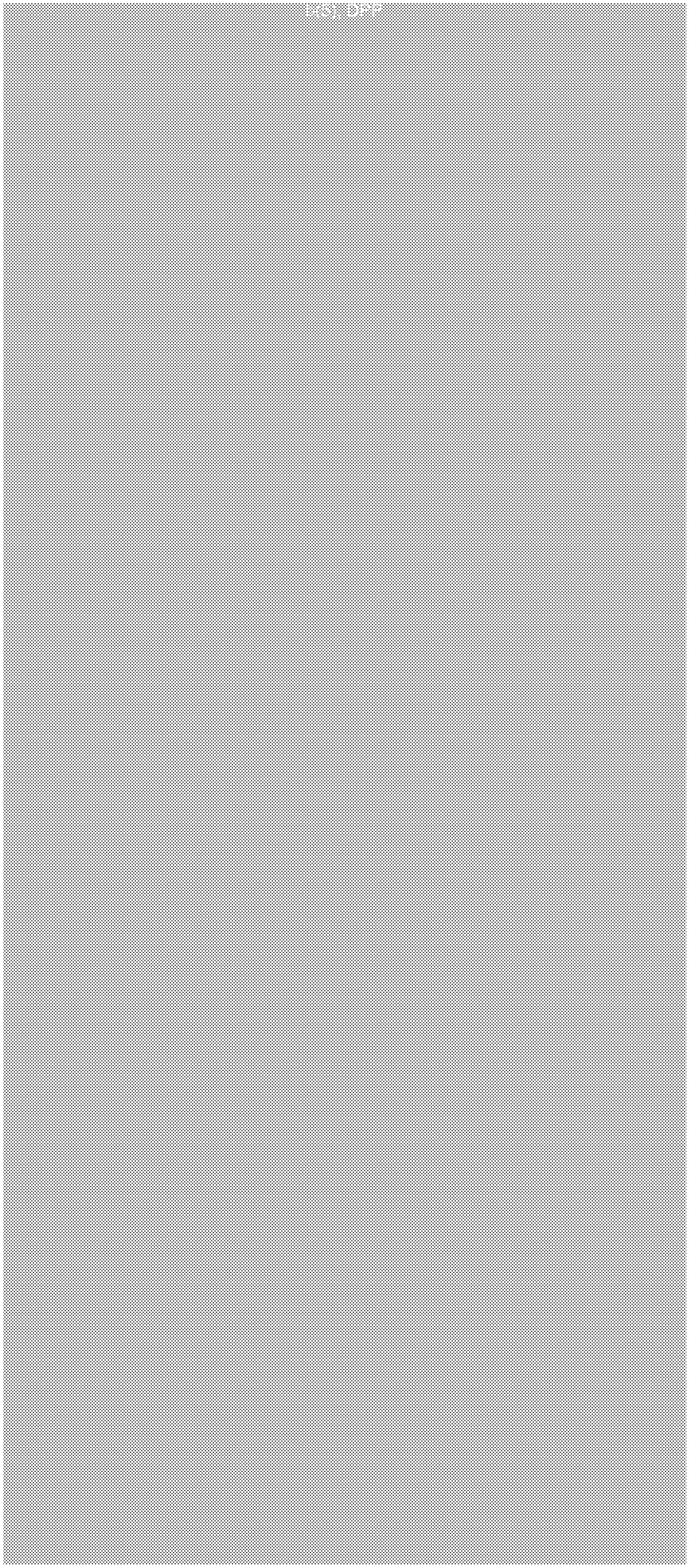
L(5), DPP

[redacted]

Time	2:30 PM – 3:15 PM
Subject	Briefing: Science Boards Rollout Prep
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Feeley, Drew (Robert) <Feeley.Drew@epa.gov>	Optional
Bowman, Liz <Bowman.Liz@epa.gov>	Required

Time	3:30 PM – 4:00 PM
Subject	Call: John Negroponte
Location	Administrator's Office

Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	[redacted] < [redacted] — Organizer
	Dravis, Samantha <dravis.samantha@epa.gov> — Required

Tuesday, October 31, 2017

Time	8:30 AM – 9:30 AM
Subject	Chief of Staff Meeting
Location	Alm Room
Show Time As	Busy
	Please note the location starting 9 May 2017 POC: ALM Room Cheryl Woodward
Attendees	**Name <E-mail>** — **Attendance**
	[redacted] < [redacted] — Organizer
	Dominguez, Alexander <dominguez.alexander@epa.gov> — Required
	Hewitt, James <hewitt.james@epa.gov> — Required
	Wagner, Kenneth <wagner.kenneth@epa.gov> — Required
	DCRoomARNEPAadministrator/DC-Ariel-Rios-AO <DCRoomARNEPAadministrator@epa.gov> — Resource
	Dourson, Michael <dourson.michael@epa.gov> — Required
	Bodine, Susan <bodine.susan@epa.gov> — Required
	Traylor, Patrick <traylor.patrick@epa.gov> — Required
	Ferguson, Lincoln <ferguson.lincoln@epa.gov> — Required
	Beck, Nancy <beck.nancy@epa.gov> — Required
	Letendre, Daisy <letendre.daisy@epa.gov> — Required
	Lyons, Troy <lyons.troy@epa.gov> — Required
	Wilcox, Jahan <wilcox.jahan@epa.gov> — Required
	Willis, Sharnett <Willis.Sharnett@epa.gov> — Optional
	Sands, Jeffrey <sands.jeffrey@epa.gov> — Required
	Harlow, David <harlow.david@epa.gov> — Required
	Palich, Christian <palich.christian@epa.gov> — Required

Ford, Hayley <ford.hayley@epa.gov>	Optional
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Shimmin, Kaitlyn <shimmin.kaitlyn@epa.gov>	Optional
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
White, Elizabeth <white.elizabeth@epa.gov>	Required
Feeley, Drew (Robert) <Feeley.Drew@epa.gov>	Required
Darwin, Veronica <darwin.veronica@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Optional
Frye, Tony (Robert) <frye.robert@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
Lovell, Will (William) <lovell.william@epa.gov>	Optional
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Rodrick, Christian <rodrick.christian@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required
Bolen, Derrick <bolen.derrick@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required
Dickerson, Aaron <dickerson.aaron@epa.gov>	Optional
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required

Chmielewski, Kevin <chmielewski.kevin@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Optional
Abboud, Michael <abboud.michael@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Kelly, Albert <kelly.albert@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Required
Konkus, John <konkus.john@epa.gov>	Required
Kundinger, Kelly <kundinger.kelly@epa.gov>	Required
Inge, Carolyn <Inge.Carolyn@epa.gov>	Optional
Burke, Marcella <burke.marcella@epa.gov>	Required
Hanson, Catherine <hanson.catherine@epa.gov>	Required
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required

Time 9:30 AM – 10:00 AM
Subject Weekly Discussion: Enforcement
Location Administrator's Office
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Traylor, Patrick <traylor.patrick@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required

Time 11:40 AM – 12:00 PM
Subject Trick-or-Treaters
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer

Woodward, Cheryl <Woodward.Cheryl@epa.gov>	Required
Dickerson, Aaron <dickerson.aaron@epa.gov>	Required
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Konkus, John <konkus.john@epa.gov>	Required
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required

Time 1:00 PM – 3:00 PM
Subject Science Boards Rollout
Location Green Room/Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Optional

Time 3:45 PM – 4:00 PM
Subject Briefing: Air Issues
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	b(6) Administrator <b(6) Administrator>	Organizer
	Schwab, Justin <schwab.justin@epa.gov>	Required
	Harlow, David <harlow.david@epa.gov>	Required
	Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
	Dravis, Samantha <dravis.samantha@epa.gov>	Required
	Bolen, Brittany <bolen.brittany@epa.gov>	Required

Time 4:00 PM – 4:30 PM
Subject Briefing: Bristol Bay Economic Development Corporation
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	b(6) Administrator <b(6) Administrator>	Organizer
	Fotouhi, David <fotouhi.david@epa.gov>	Required
	Forsgren, Lee <Forsgren.Lee@epa.gov>	Required

Time 4:45 PM – 5:00 PM
Subject Meeting: Inspector General
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	b(6) Administrator <b(6) Administrator>	Organizer
	Elkins, Arthur <Elkins.Arthur@epa.gov>	Required
	Jackson, Ryan <jackson.ryan@epa.gov>	Required

Wednesday, November 1, 2017

Time 9:45 AM – 10:15 AM
Subject Briefing: International Travel
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	b(6) Administrator <b(6) Administrator>	Organizer
	Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required

Dravis, Samantha <dravis.samantha@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
Ford, Hayley <ford.hayley@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required

Time 11:00 AM – 12:30 PM
Subject HOLD: Cabinet Meeting
Location WH Cabinet Room
Recurrence Occurs the first Wednesday of every 1 month(s) effective 11/1/2017 until 11/1/2017 from 11:00 AM to 12:30 PM
Show Time As Busy

Time 3:30 PM – 4:00 PM
Subject Weekly Discussion: Restructuring
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Darwin, Henry <darwin.henry@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required

Time [redacted]
Subject
Location
Reminder
Show Time As
Attendees

b(6) DPP

Time	5:00 PM – 5:30 PM
Subject	Briefing: Montreal Protocol
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	b(6) Administrator <b(6) Administrator> — Organizer
	Gunasekara, Mandy <Gunasekara.Mandy@epa.gov> — Required
	Schwab, Justin <schwab.justin@epa.gov> — Required
	Dravis, Samantha <dravis.samantha@epa.gov> — Required
	Bolen, Brittany <bolen.brittany@epa.gov> — Required

Thursday, November 2, 2017

Time	9:30 AM – 10:00 AM
Subject	Briefing: Litigation Sensitive
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	b(6) Administrator <b(6) Administrator> — Organizer
	Fotouhi, David <fotouhi.david@epa.gov> — Required
	Greenwalt, Sarah <greenwalt.sarah@epa.gov> — Required
	Forsgren, Lee <Forsgren.Lee@epa.gov> — Required

Time	10:30 AM – 11:00 AM
Subject	Briefing: Bristol Bay
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Categories	EZ Record - Shared
Attendees	**Name <E-mail>** — **Attendance**
	b(6) Administrator <b(6) Administrator> — Organizer
	Fotouhi, David <fotouhi.david@epa.gov> — Required
	Greenwalt, Sarah <greenwalt.sarah@epa.gov> — Required

Schwab, Justin <schwab.justin@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required

Time 11:30 AM – 12:00 PM
Subject Briefing: CCR
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Fotouhi, David <fotouhi.david@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Darwin, Veronica <darwin.veronica@epa.gov>	Required

Time 12:15 PM – 1:00 PM
Subject Speaking Engagement: The Philanthropy Roundtable
Location Joe's Seafood, Prime Steak & Stone Crab, 750 15th St NW, WDC
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bennett, Tate <Bennett.Tate@epa.gov>	Required

Friday, November 3, 2017

Time 8:00 AM – 9:00 AM
Subject Coffee/Breakfast: Major Garrett, CBS News
Reminder 15 minutes
Show Time As Busy

Time 12:15 PM – 12:45 PM
Subject Meeting: Jeff Wood, DOJ
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance

[redacted] < [redacted]	Organizer
Fotouhi, David <fotouhi.david@epa.gov>	Required

Time 2:45 PM – 3:30 PM
Subject Briefing: CPP
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Baptist, Erik <baptist.erik@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required

Monday, November 6, 2017

Time 8:30 AM – 9:15 AM
Subject Chief of Staff Meeting
Location Alm Room
Show Time As Busy
Please note the location starting 9 May 2017
POC: ALM Room Cheryl Woodward
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Dominguez, Alexander <dominguez.alexander@epa.gov>	Required
DCRoomARNEPAadministrator/DC-Ariel-Rios-AO <DCRoomARNEPAadministrator@epa.gov>	Resource
Shimmin, Kaitlyn <shimmin.kaitlyn@epa.gov>	Optional
Kelly, Albert <kelly.albert@epa.gov>	Required

Beck, Nancy <beck.nancy@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required
Letendre, Daisy <letendre.daisy@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Optional
Konkus, John <konkus.john@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Optional
Feeley, Drew (Robert) <Feeley.Drew@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Required
Hupp, Millan <hupp.millan@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required
Dourson, Michael <dourson.michael@epa.gov>	Required
Darwin, Veronica <darwin.veronica@epa.gov>	Required
Ford, Hayley <ford.hayley@epa.gov>	Optional
Dickerson, Aaron <dickerson.aaron@epa.gov>	Optional
Harlow, David <harlow.david@epa.gov>	Required
Lovell, Will (William) <lovell.william@epa.gov>	Optional
Chmielewski, Kevin <chmielewski.kevin@epa.gov>	Required
Willis, Sharnett <Willis.Sharnett@epa.gov>	Optional
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Hewitt, James <hewitt.james@epa.gov>	Required

Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Palich, Christian <palich.christian@epa.gov>	Required
Sands, Jeffrey <sands.jeffrey@epa.gov>	Required
White, Elizabeth <white.elizabeth@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Bolen, Derrick <bolen.derrick@epa.gov>	Required
Abboud, Michael <abboud.michael@epa.gov>	Required
Rodrick, Christian <rodrick.christian@epa.gov>	Required
Frye, Tony (Robert) <frye.robert@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Kundinger, Kelly <kundinger.kelly@epa.gov>	Required
Inge, Carolyn <Inge.Carolyn@epa.gov>	Optional
Burke, Marcella <burke.marcella@epa.gov>	Required
Hanson, Catherine <hanson.catherine@epa.gov>	Required
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required

Time 9:15 AM – 9:45 AM
Subject Call: Jack Gerard, API
Location Administrator's Office
Reminder 15 minutes

Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Tim
Subjec
Locatio
Show Time A
Attendee

[redacted]

Time 10:30 AM – 11:00 AM
Subject Briefing: Implementing Settlement Directive
Location Administrator's Office
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Baptist, Erik <baptist.erik@epa.gov>	Required
Schwab, Justin <Schwab.Justin@epa.gov>	Required
Fotouhi, David <Fotouhi.David@epa.gov>	Required

Time 1:00 PM – 2:00 PM
Subject Senior Staff Meeting
Location Alm Conference Room
Show Time As Busy

SCT: Aaron Dickerson, 202-564-1783.

NOTE: Due to space constraints, please contact Aaron Dickerson before forwarding or inviting additional meeting attendees.

Conference Line: [redacted] / Access Code: [redacted]

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Simon, Nigel <Simon.Nigel@epa.gov>	Required

Bangerter, Layne <bangerter.layne@epa.gov>	Required
Ericksen, Doug <ericksen.doug@epa.gov>	Required
Kreutzer, David <kreutzer.david@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Sugiyama, George <sugiyama.george@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
2017Regionfirstassistants <2017Regionfirstassistants@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Shaw, Betsy <Shaw.Betsy@epa.gov>	Required
Etzel, Ruth <Etzel.Ruth@epa.gov>	Required
2017HQfirstassistants <2017HQfirstassistants@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Beck, Nancy <beck.nancy@epa.gov>	Required
Elkins, Arthur <Elkins.Arthur@epa.gov>	Required
Slotkin, Ron <slotkin.ron@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Glenn, Trey <Glenn.Trey@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Optional
Wise, Louise <Wise.Louise@epa.gov>	Optional
Greaves, Holly <greaves.holly@epa.gov>	Optional
Brown, Byron <brown.byron@epa.gov>	Optional

Stepp, Cathy <stepp.cathy@epa.gov>	Optional
Reed, Khesha <Reed.Khesha@epa.gov>	Optional
Fine, Steven <fine.steven@epa.gov>	Required
Lapierre, Kenneth <lapierre.kenneth@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Reeder, John <Reeder.John@epa.gov>	Required
Szaro, Deb <Szaro.Deb@epa.gov>	Required
Nishida, Jane <Nishida.Jane@epa.gov>	Required
Cleland-Hamnett, Wendy <Cleland-Hamnett.Wendy@epa.gov>	Required
Minoli, Kevin <Minoli.Kevin@epa.gov>	Required
Bloom, David <Bloom.David@epa.gov>	Required
Allen, Reginald <Allen.Reginald@epa.gov>	Required
Actadmmccabe, Catherine17 <actadmmccabe.catherine17@epa.gov>	Required
Konkus, John <konkus.john@epa.gov>	Required
Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Required
Kling, David <Kling.Dave@epa.gov>	Required
Kavlock, Robert <Kavlock.Robert@epa.gov>	Required
Vizian, Donna <Vizian.Donna@epa.gov>	Required
Heard, Anne <Heard.Anne@epa.gov>	Required
Richardson, RobinH <Richardson.RobinH@epa.gov>	Required
McCabe, Catherine <McCabe.Catherine@epa.gov>	Required
Strauss, Alexis <Strauss.Alexis@epa.gov>	Required
Kenny, Shannon <Kenny.Shannon@epa.gov>	Required
Flynn, Mike <Flynn.Mike@epa.gov>	Required

Shapiro, Mike <Shapiro.Mike@epa.gov>	Required
Freire, JP <Freire.JP@epa.gov>	Required
EPAVTC <EPAVTC@epa.gov>	Required
Breen, Barry <Breen.Barry@epa.gov>	Required
Davis, Patrick <davis.patrick@epa.gov>	Required
Torma, Tim <Torma.Tim@epa.gov>	Required
Dunham, Sarah <Dunham.Sarah@epa.gov>	Required
Coleman, Sam <Coleman.Sam@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required
Thomas, Deb <thomas.debrah@epa.gov>	Required
Brennan, Thomas <Brennan.Thomas@epa.gov>	Required
Mugdan, Walter <Mugdan.Walter@epa.gov>	Required
Rodrigues, Cecil <rodrigues.cecil@epa.gov>	Required
Kaplan, Robert <kaplan.robert@epa.gov>	Required
Chu, Ed <Chu.Ed@epa.gov>	Required
Pirzadeh, Michelle <Pirzadeh.Michelle@epa.gov>	Required
Holsman, Marianne <Holsman.Marianne@epa.gov>	Optional
Hill, Randy <Hill.Randy@epa.gov>	Optional
Opalski, Dan <Opalski.Dan@epa.gov>	Optional
Dravis, Samantha <dravis.samantha@epa.gov>	Optional
Forsgren, Lee <Forsgren.Lee@epa.gov>	Optional
Grantham, Nancy <Grantham.Nancy@epa.gov>	Optional
Traylor, Patrick <traylor.patrick@epa.gov>	Optional
DCRoomARNEPAadministrator/DC-Ariel-Rios-AO <DCRoomARNEPAadministrator@epa.gov>	Resource

R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL <R4-RA-Conf-Rm@epa.gov>	Resource
Rodgers, Ryan <Rodgers.Ryan@epa.gov>	Optional
White, Elizabeth <white.elizabeth@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required
Dourson, Michael <dourson.michael@epa.gov>	Required
Sands, Jeffrey <sands.jeffrey@epa.gov>	Required
Benevento, Douglas <benevento.douglas@epa.gov>	Optional
Servidio, Cosmo <servidio.cosmo@epa.gov>	Optional
Simon, Harvey <Simon.Harvey@epa.gov>	Optional
Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>	Required
Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>	Optional
Wooden-Aguilar, Helena <Wooden-Aguilar.Helena@epa.gov>	Required
Gulliford, Jim <gulliford.jim@epa.gov>	Optional
Sands, Jeff <sands.jeffrey@epa.gov>	Required
Burke, Marcella <burke.marcella@epa.gov>	Required
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required
Jordan, Deborah <Jordan.Deborah@epa.gov>	Required
Hanson, Paige (Catherine) <hanson.catherine@epa.gov>	Required
Ashbee, Blake <ashbee.blake@epa.gov>	Optional
Cherry, Katrina <Cherry.Katrina@epa.gov>	Optional
Caraballo, Mario <Caraballo.Mario@epa.gov>	Optional
Blackburn, Elizabeth <Blackburn.Elizabeth@epa.gov>	Optional
Hladick, Christopher <hladick.christopher@epa.gov>	Optional
Sheehan, Charles <Sheehan.Charles@epa.gov>	Optional

Time 1:45 PM – 2:00 PM
Subject Briefing: Politico Interview
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Kelly, Albert <kelly.albert@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Abboud, Michael <abboud.michael@epa.gov>	Required

Time 2:00 PM – 2:30 PM
Subject Interview: Politico
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Kelly, Albert <kelly.albert@epa.gov>	Required
Abboud, Michael <abboud.michael@epa.gov>	Required

Time 2:45 PM – 3:15 PM
Subject Briefing: AIS Waivers
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required

Time	3:15 PM – 3:30 PM
Subject	Briefing: Montreal Protocol
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	[redacted] <[redacted] — Organizer
	Gunasekara, Mandy <Gunasekara.Mandy@epa.gov> — Required

Time	3:30 PM – 3:45 PM
Subject	Video Message: Heartland Institute
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	[redacted] <[redacted] — Organizer
	Bowman, Liz <Bowman.Liz@epa.gov> — Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov> — Required
	Konkus, John <konkus.john@epa.gov> — Required

Time	[redacted]
Subject	Meeting: Patrick Carolan, Executive Director, Franciscan Action Network
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	[redacted] <[redacted] — Organizer
	Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov> — Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov> — Required

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Tuesday, November 7, 2017

Time	10:15 AM – 10:45 AM
Subject	Meeting with Regulatory Improvement Council / Manufacturing Action Council
Location	Green Room
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**

b(6) Administrator <b(6) Administrator>	Organizer
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Derrick Bolen (bolen.derrick@epa.gov) <bolen.derrick@epa.gov>	Optional
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Michael Dourson (dourson.michael@epa.gov) <dourson.michael@epa.gov>	Optional
Beck, Nancy <beck.nancy@epa.gov>	Required
Sands, Jeffrey <sands.jeffrey@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Gordon, Stephen <gordon.stephen@epa.gov>	Optional

Time 11:00 AM – 12:00 PM
Subject Briefing: West Lake ROD
Location Alm Room
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	**Attendance**
b(6) Administrator <b(6) Administrator>	Organizer
Fotouhi, David <fotouhi.david@epa.gov>	Required
Peterson, Mary <Peterson.Mary@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Gulliford, Jim <gulliford.jim@epa.gov>	Optional
Kelly, Albert <kelly.albert@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Fonseca, Silvina <Fonseca.Silvina@epa.gov>	Required

Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Required
Chu, Ed <Chu.Ed@epa.gov>	Required
Woolford, James <Woolford.James@epa.gov>	Required
Breen, Barry <Breen.Barry@epa.gov>	Required
Mackey, Cyndy <Mackey.Cyndy@epa.gov>	Required
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required
Stepp, Cathy <stepp.cathy@epa.gov>	Required
Darwin, Veronica <darwin.veronica@epa.gov>	Required
Bennett, Tate <Bennett.Tate@epa.gov>	Optional

Time 12:00 PM – 12:15 PM
Subject Meeting: Jim Gulliford, Region 7 Administrator
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	**Attendance**
[redacted]	Organizer
Gulliford, Jim <gulliford.jim@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required

Time 2:00 PM – 2:30 PM
Subject USA Today Interview
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	**Attendance**
[redacted]	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required

Time 2:30 PM – 3:00 PM
Subject Briefing: Lead
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	**Attendance**

	b(6) Administrator < b(6) Administrator>	Organizer
	Kelly, Albert <kelly.albert@epa.gov>	Required
	Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
	Bowman, Liz <Bowman.Liz@epa.gov>	Required
	Fonseca, Silvina <Fonseca.Silvina@epa.gov>	Required
	Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time 3:45 PM – 4:00 PM
Subject Call: Congressman Darin LaHood (IL-18)
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator < b(6) Administrator>	Organizer
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required

Wednesday, November 8, 2017

Time (b) (6)
Subject
Attachments
Reminder
Show Time As

Time (b) (6), (b) (7)(c)
Subject Flight: (b) (6) - DTW
Location (b) (6)
Reminder 15 minutes
Show Time As Busy

Time (b)(6), (b)(7)(c)
Subject Flight: DTW - ORD
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time 3:00 PM – 4:00 PM
Subject SIGMA/NATSO BoD Reception
Location Chicago, IL
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator <(b)(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 4:00 PM – 4:50 PM
Subject Speaking Engagement: SIGMA Annual Conference Opening General Session
Location The Westin, Michigan Ave, Chicago, IL
Attachments EPA Administrator Pruitt Speaker Request Form.docx
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator <(b)(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time (b)(6), (b)(7)(c)
Subject Flight: ORD - (b)
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Thursday, November 9, 2017

Time (b)(6), (b)(7)(c)
Subject Flight: (b) - CLT
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time (b)(6), (b)(7)(c)
Subject Flight: CLT - CHS
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time 10:00 AM – 10:45 AM

Subject ACC Board of Directors Meeting
Location Kiawah Island, SC
Attachments EPA Administrator Pruitt Speaker Request Form.docx
RE_ speaker request form - ACC BOD meeting, 11_9, Kiawah Island, SC.pdf
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time [redacted]
Subject Flight: CHS [redacted]
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Friday, November 10, 2017

Time All Day
Subject Veterans Day Holiday
Reminder 18 hours
Show Time As Free

Monday, November 13, 2017

Time 11:45 AM – 12:15 PM
Subject Swearing-In: Bill Wehrum
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Dominguez, Alexander <dominguez.alexander@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required

Palich, Christian <palich.christian@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Shimmin, Kaitlyn <shimmin.kaitlyn@epa.gov>	Required
Frye, Tony (Robert) <frye.robert@epa.gov>	Required
Rodrick, Christian <rodrick.christian@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Konkus, John <konkus.john@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required
Vizian, Donna <Vizian.Donna@epa.gov>	Required
Dunham, Sarah <Dunham.Sarah@epa.gov>	Required

Time 1:00 PM – 2:00 PM
Subject Senior Staff Meeting
Location Alm Conference Room
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Actadmmccabe, Catherine17 <actadmmccabe.catherine17@epa.gov>	Required
Bangerter, Layne <bangerter.layne@epa.gov>	Required
Ericksen, Doug <ericksen.doug@epa.gov>	Required
Kreutzer, David <kreutzer.david@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Sugiyama, George <sugiyama.george@epa.gov>	Required
Sands, Jeffrey <sands.jeffrey@epa.gov>	Required
Elkins, Arthur <Elkins.Arthur@epa.gov>	Required
Kaplan, Robert <kaplan.robert@epa.gov>	Required

Allen, Reginald <Allen.Reginald@epa.gov>	Required
Rodrigues, Cecil <rodrigues.cecil@epa.gov>	Required
Slotkin, Ron <slotkin.ron@epa.gov>	Required
Ashbee, Blake <ashbee.blake@epa.gov>	Optional
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Dunham, Sarah <Dunham.Sarah@epa.gov>	Required
Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required
Bloom, David <Bloom.David@epa.gov>	Required
Mugdan, Walter <Mugdan.Walter@epa.gov>	Required
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Optional
Munoz, Charles <munoz.charles@epa.gov>	Required
Szaro, Deb <Szaro.Deb@epa.gov>	Required
Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Optional
Fine, Steven <fine.steven@epa.gov>	Required
Thomas, Deb <thomas.debrah@epa.gov>	Required
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Stepp, Cathy <stepp.cathy@epa.gov>	Optional
McCabe, Catherine <McCabe.Catherine@epa.gov>	Required
DCRoomARNEPAadministrator/DC-Ariel-Rios-AO <DCRoomARNEPAadministrator@epa.gov>	Resource
Konkus, John <konkus.john@epa.gov>	Required

Kenny, Shannon <Kenny.Shannon@epa.gov>	Required
Hill, Randy <Hill.Randy@epa.gov>	Optional
Coleman, Sam <Coleman.Sam@epa.gov>	Required
Cleland-Hamnett, Wendy <Cleland-Hamnett.Wendy@epa.gov>	Required
Pirzadeh, Michelle <Pirzadeh.Michelle@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Optional
Wooden-Aguilar, Helena <Wooden-Aguilar.Helena@epa.gov>	Required
Brennan, Thomas <Brennan.Thomas@epa.gov>	Required
Minoli, Kevin <Minoli.Kevin@epa.gov>	Required
Opalski, Dan <Opalski.Dan@epa.gov>	Optional
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Strauss, Alexis <Strauss.Alexis@epa.gov>	Required
Reeder, John <Reeder.John@epa.gov>	Required
Davis, Patrick <davis.patrick@epa.gov>	Required
Servidio, Cosmo <servidio.cosmo@epa.gov>	Optional
Richardson, RobinH <Richardson.RobinH@epa.gov>	Required
White, Elizabeth <white.elizabeth@epa.gov>	Required
Rodgers, Ryan <Rodgers.Ryan@epa.gov>	Optional
Lyons, Troy <lyons.troy@epa.gov>	Required
Holsman, Marianne <Holsman.Marianne@epa.gov>	Optional
Dourson, Michael <dourson.michael@epa.gov>	Required
Vizian, Donna <Vizian.Donna@epa.gov>	Required
Grantham, Nancy <Grantham.Nancy@epa.gov>	Optional

Bodine, Susan <bodine.susan@epa.gov>	Required
Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>	Optional
Chu, Ed <Chu.Ed@epa.gov>	Required
Wise, Louise <Wise.Louise@epa.gov>	Optional
Shaw, Betsy <Shaw.Betsy@epa.gov>	Required
Simon, Nigel <Simon.Nigel@epa.gov>	Required
Shapiro, Mike <Shapiro.Mike@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Optional
R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL <R4-RA-Conf-Rm@epa.gov>	Resource
Beck, Nancy <beck.nancy@epa.gov>	Required
Breen, Barry <Breen.Barry@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Optional
Greaves, Holly <greaves.holly@epa.gov>	Optional
Heard, Anne <Heard.Anne@epa.gov>	Required
Freire, JP <Freire.JP@epa.gov>	Required
Kling, David <Kling.Dave@epa.gov>	Required
Nishida, Jane <Nishida.Jane@epa.gov>	Required
Glenn, Trey <Glenn.Trey@epa.gov>	Required
Lapierre, Kenneth <lapierre.kenneth@epa.gov>	Required
2017HQfirstassistants <2017HQfirstassistants@epa.gov>	Required
Torma, Tim <Torma.Tim@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Benevento, Douglas <benevento.douglas@epa.gov>	Optional
2017Regionfirstassistants <2017Regionfirstassistants@epa.gov>	Required

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Kavlock, Robert <Kavlock.Robert@epa.gov>	Required
Flynn, Mike <Flynn.Mike@epa.gov>	Required
Etzel, Ruth <Etzel.Ruth@epa.gov>	Required
EPAVTC <EPAVTC@epa.gov>	Required
Caraballo, Mario <Caraballo.Mario@epa.gov>	Optional
Sands, Jeff <sands.jeffrey@epa.gov>	Required
Robbins, Chris <Robbins.Chris@epa.gov>	Optional
Burke, Marcella <burke.marcella@epa.gov>	Required
Wehrum, William <wehrum.william@epa.gov>	Required
Sands, Jeff <sands.jeffrey@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Wise, Louise <Wise.Louise@epa.gov>	Optional
Simon, Nigel <Simon.Nigel@epa.gov>	Required
Jordan, Deborah <Jordan.Deborah@epa.gov>	Required
Hanson, Paige (Catherine) <hanson.catherine@epa.gov>	Required
Gulliford, Jim <gulliford.jim@epa.gov>	Required
Cherry, Katrina <Cherry.Katrina@epa.gov>	Optional
Blackburn, Elizabeth <Blackburn.Elizabeth@epa.gov>	Optional
Simon, Harvey <Simon.Harvey@epa.gov>	Optional
Hladick, Christopher <hladick.christopher@epa.gov>	Optional
Sheehan, Charles <Sheehan.Charles@epa.gov>	Optional

Time 1:45 PM – 2:15 PM
Subject Briefing: Flint
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	**Attendance**

b(6) Administrator <b(6) Administrator>	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Kelly, Albert <kelly.albert@epa.gov>	Required

Time 2:15 PM – 2:45 PM
Subject Meeting: Pascagoula, MS Mayor
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Glenn, Trey <Glenn.Trey@epa.gov>	Required
Kelly, Albert <kelly.albert@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Required
Jenkins, Brandi <Jenkins.Brandi@epa.gov>	Optional
Ashbee, Blake <ashbee.blake@epa.gov>	Optional

Time 3:00 PM – 3:30 PM
Subject Interview: b(7)(c)
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 3:30 PM – 4:30 PM
Subject Briefing: BFGoodrich Proposed Remedy Briefing
Location Alm Room
Reminder 15 minutes
Show Time As Busy

For those dialing in:
(b) (6) <te (b) (6) >
Code (b) (6)
NICK TO INITIATE/ENTER: Pin (b) (6)

Attendees

Name <E-mail>	**Attendance**
(b)(6) Administrator <(b)(6) Administrator>	Organizer
Kelly, Albert <kelly.albert@epa.gov>	Required
Glenn, Trey <Glenn.Trey@epa.gov>	Required
Hill, Franklin <Hill.Franklin@epa.gov>	Required
Ashbee, Blake <ashbee.blake@epa.gov>	Optional
Breen, Barry <Breen.Barry@epa.gov>	Required
Woolford, James <Woolford.James@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Mackey, Cyndy <Mackey.Cyndy@epa.gov>	Required
Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Fonseca, Silvina <Fonseca.Silvina@epa.gov>	Required
Falvo, Nicholas <falvo.nicholas@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Guillard, Jennifer <Guillard.Jennifer@epa.gov>	Optional
Freeman, Caroline <Freeman.Caroline@epa.gov>	Optional
Chaffins, Randall <Chaffins.Randall@epa.gov>	Optional
Matory, Derek <Matory.Derek@epa.gov>	Optional
Jackson, Brad <Jackson.Brad@epa.gov>	Optional
Bentkowski, Ben <Bentkowski.Ben@epa.gov>	Optional
Rodgers, Ryan <Rodgers.Ryan@epa.gov>	Optional
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

Time	4:30 PM – 5:00 PM
Subject	Briefing: RFS
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	

Name <E-mail>	**Attendance**
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Sands, Jeff <sands.jeffrey@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required
Wehrum, William <wehrum.william@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required

Time	5:00 PM – 5:30 PM
Subject	Weekly Discussion: Restructuring
Location	Administrator's Office
Show Time As	Busy
Attendees	

Name <E-mail>	**Attendance**
[redacted] < [redacted]	Organizer
Darwin, Henry <darwin.henry@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required

Time	5:45 PM – 6:15 PM
Subject	Briefing: Utah / Gold King Mine
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	

Name <E-mail>	**Attendance**
[redacted] < [redacted]	Organizer
Fotouhi, David <fotouhi.david@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required

Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Tuesday, November 14, 2017

Time 8:00 AM – 9:00 AM
Subject Breakfast: Congressman Goodlatte, Womack, Welch and Costa
Location Bistro Bis, 15 E St NW, WDC
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required

Time 9:15 AM – 9:30 AM
Subject Weekly Discussion with Sarah
Location Administrator's Office
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 9:30 AM – 10:00 AM
Subject Briefing: Great Lakes
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Kelly, Albert <kelly.albert@epa.gov>	Required

Time	10:00 AM – 10:45 AM
Subject	Briefing: Proposed CEC Agenda
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
	Millan Hupp (hupp.millan@epa.gov) <hupp.millan@epa.gov>	Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
	Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
	Millan Hupp (hupp.millan@epa.gov) <hupp.millan@epa.gov>	Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time	11:00 AM – 11:30 AM
Subject	Weekly Discussion: Enforcement
Location	Administrator's Office
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Traylor, Patrick <traylor.patrick@epa.gov>	Required
	Bodine, Susan <bodine.susan@epa.gov>	Required

Time	12:00 PM – 1:00 PM
Subject	Meeting: Utah / Gold King Mine
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Fotouhi, David <fotouhi.david@epa.gov>	Required
	Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required

Time 3:00 PM – 3:15 PM
Subject Briefing: RESTORE Council
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required

Time 5:15 PM – 5:30 PM
Subject Briefing: Regular Staff Meetings
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 6:00 PM – 6:15 PM
Subject Call: Chairman Walden
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required

Time 6:00 PM – 6:30 PM
Subject Briefing: CCR
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Fotouhi, David <fotouhi.david@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
Darwin, Veronica <darwin.veronica@epa.gov>	Required

Wednesday, November 15, 2017

Time 8:30 AM – 9:15 AM
Subject Briefing: Morocco
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Millan Hupp (hupp.millan@epa.gov) <hupp.millan@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required

Time 9:15 AM – 9:45 AM
Subject Meeting: Attorney General Paxton
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

---

Time 10:00 AM – 10:30 AM
Subject Meeting: Paul Browning, Mitsubishi Hitachi Power Systems
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer

Wagner, Kenneth <wagner.kenneth@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Time 10:45 AM – 11:00 AM
Subject OTR Media
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Ferguson, Lincoln <ferguson.lincoln@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required

Time 11:30 AM – 12:30 PM
Subject Speaking Engagement: Mississippi Farm Bureau
Location 902 Hart Senate Building
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required

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Time 3:00 PM – 3:30 PM
Subject Interview: Washington Post 202
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] <[redacted]>	Organizer
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required

Time 3:30 PM – 4:00 PM
Subject Briefing: Chemical Registration Process
Location Administrator's Office

Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Beck, Nancy <beck.nancy@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Dourson, Michael <dourson.michael@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required

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Time 4:00 PM – 4:30 PM
Subject Meeting: ACCCE
Location Green Room
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Brown, Byron <brown.byron@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required

Thursday, November 16, 2017

Time 9:30 AM – 10:00 AM
Subject Meeting: Congresswoman Cathy McMorris Rogers (R-WA)
Location Administrator's Office
Reminder 15 minutes

Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Ringel, Aaron <ringel.aaron@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 10:15 AM – 10:45 AM
Subject Call: RFS Consultation with Sec. Perry and Sec. Perdue
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Wehrum, William <wehrum.william@epa.gov>	Required

Time 11:00 AM – 11:15 AM
Subject Signing: WOTUS Step 0
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Eisenberg, Mindy <Eisenberg.Mindy@epa.gov>	Required

Time 2:00 PM – 2:30 PM
Subject Radio Interview

Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Bennett, Tate <Bennett.Tate@epa.gov>	Required
Abboud, Michael <abboud.michael@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required

Time 2:30 PM – 3:00 PM
Subject Briefing: NAD Bank
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 3:00 PM – 3:15 PM
Subject Meet & Greet / Photo with Office of Public Engagement Interns
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Vance, Eric <Vance.Eric@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required

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Time 3:30 PM – 3:45 PM
Subject Briefing: Lead
Location Administrator's Office
Reminder 15 minutes

Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Kelly, Albert <kelly.albert@epa.gov>	Required

Friday, November 17, 2017

Time 11:15 AM – 12:00 PM
Subject Speaking Engagement: Federalist Society National Lawyers Convention
Location Mayflower Hotel, 1127 Connecticut Ave NW, WDC
Attachments EPA Event Request Form.docx
Pruitt Invite.pdf
(ETHICS) Federalist Convention - Friday, November 17.pdf
Reminder 15 minutes
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Hewitt, James <hewitt.james@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 12:00 PM – 12:30 PM
Subject HOLD: On the Record Interview
Location Mayflower Hotel
Reminder 15 minutes
Show Time As Busy

Time 2:15 PM – 2:45 PM
Subject Briefing: WOTUS
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required

Time 3:00 PM – 3:30 PM
Subject Briefing: Oil and Gas Proposed Rule
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time 3:30 PM – 4:00 PM
Subject Briefing: New Source Review
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Monday, November 20, 2017

Time 8:30 AM – 9:15 AM
Subject Briefing: Worker Protection Rule
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer

Bennett, Tate <Bennett.Tate@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Beck, Nancy <beck.nancy@epa.gov>	Required
Sands, Jeffrey <sands.jeffrey@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required

Time 9:55 AM – 10:25 AM
Subject Briefing: Missouri Nutrient Rulemakings
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Fotouhi, David <fotouhi.david@epa.gov>	Required
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Gulliford, Jim <gulliford.jim@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required

Time 11:00 AM – 12:30 PM
Subject HOLD: Cabinet Meeting
Location WH Cabinet Room
Show Time As Busy

Time [redacted]
Subject Senior Staff Meeting
Location Alm Conference Room
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Simon, Nigel <Simon.Nigel@epa.gov>	Required
Bangerter, Layne <bangerter.layne@epa.gov>	Required
Ericksen, Doug <ericksen.doug@epa.gov>	Required

Kreutzer, David <kreutzer.david@epa.gov>	Required
Schwab, Justin <schwab.justin@epa.gov>	Required
Sugiyama, George <sugiyama.george@epa.gov>	Required
Ringel, Aaron <ringel.aaron@epa.gov>	Required
2017Regionfirstassistants <2017Regionfirstassistants@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required
Yamada, Richard (Yujiro) <yamada.richard@epa.gov>	Required
Shaw, Betsy <Shaw.Betsy@epa.gov>	Required
Etzel, Ruth <Etzel.Ruth@epa.gov>	Required
2017HQfirstassistants <2017HQfirstassistants@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Beck, Nancy <beck.nancy@epa.gov>	Required
Elkins, Arthur <Elkins.Arthur@epa.gov>	Required
Slotkin, Ron <slotkin.ron@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Glenn, Trey <Glenn.Trey@epa.gov>	Required
White, Elizabeth <white.elizabeth@epa.gov>	Required
Harlow, David <harlow.david@epa.gov>	Required
Dourson, Michael <dourson.michael@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Optional
Wise, Louise <Wise.Louise@epa.gov>	Optional
Greaves, Holly <greaves.holly@epa.gov>	Optional

Brown, Byron <brown.byron@epa.gov>	Optional
Stepp, Cathy <stepp.cathy@epa.gov>	Optional
Benevento, Douglas <benevento.douglas@epa.gov>	Optional
Servidio, Cosmo <servidio.cosmo@epa.gov>	Optional
Showman, John <Showman.John@epa.gov>	Optional
Fine, Steven <fine.steven@epa.gov>	Required
Lapierre, Kenneth <lapierre.kenneth@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required
Reeder, John <Reeder.John@epa.gov>	Required
Szaro, Deb <Szaro.Deb@epa.gov>	Required
Nishida, Jane <Nishida.Jane@epa.gov>	Required
Cleland-Hamnett, Wendy <Cleland-Hamnett.Wendy@epa.gov>	Required
Minoli, Kevin <Minoli.Kevin@epa.gov>	Required
Bloom, David <Bloom.David@epa.gov>	Required
Allen, Reginald <Allen.Reginald@epa.gov>	Required
Actadmmccabe, Catherine17 <actadmmccabe.catherine17@epa.gov>	Required
Konkus, John <konkus.john@epa.gov>	Required
Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Required
Kling, David <Kling.Dave@epa.gov>	Required
Kavlock, Robert <Kavlock.Robert@epa.gov>	Required
Vizian, Donna <Vizian.Donna@epa.gov>	Required
Heard, Anne <Heard.Anne@epa.gov>	Required
Richardson, RobinH <Richardson.RobinH@epa.gov>	Required
McCabe, Catherine <McCabe.Catherine@epa.gov>	Required

Strauss, Alexis <Strauss.Alexis@epa.gov>	Required
Kenny, Shannon <Kenny.Shannon@epa.gov>	Required
Flynn, Mike <Flynn.Mike@epa.gov>	Required
Shapiro, Mike <Shapiro.Mike@epa.gov>	Required
Freire, JP <Freire.JP@epa.gov>	Required
EPAVTC <EPAVTC@epa.gov>	Required
Breen, Barry <Breen.Barry@epa.gov>	Required
Davis, Patrick <davis.patrick@epa.gov>	Required
Torma, Tim <Torma.Tim@epa.gov>	Required
Dunham, Sarah <Dunham.Sarah@epa.gov>	Required
Coleman, Sam <Coleman.Sam@epa.gov>	Required
Munoz, Charles <munoz.charles@epa.gov>	Required
Thomas, Deb <thomas.debrah@epa.gov>	Required
Brennan, Thomas <Brennan.Thomas@epa.gov>	Required
Mugdan, Walter <Mugdan.Walter@epa.gov>	Required
Rodrigues, Cecil <rodrigues.cecil@epa.gov>	Required
Kaplan, Robert <kaplan.robert@epa.gov>	Required
Chu, Ed <Chu.Ed@epa.gov>	Required
Pirzadeh, Michelle <Pirzadeh.Michelle@epa.gov>	Required
Holsman, Marianne <Holsman.Marianne@epa.gov>	Optional
Hill, Randy <Hill.Randy@epa.gov>	Optional
Opalski, Dan <Opalski.Dan@epa.gov>	Optional
Dravis, Samantha <dravis.samantha@epa.gov>	Optional
Forsgren, Lee <Forsgren.Lee@epa.gov>	Optional
Grantham, Nancy <Grantham.Nancy@epa.gov>	Optional

Traylor, Patrick <traylor.patrick@epa.gov>	Optional
Rodgers, Ryan <Rodgers.Ryan@epa.gov>	Optional
DCRoomARNEPAadministrator/DC-Ariel-Rios-AO <DCRoomARNEPAadministrator@epa.gov>	Resource
R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL <R4-RA-Conf-Rm@epa.gov>	Resource
Sands, Jeff <sands.jeffrey@epa.gov>	Required
Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>	Required
Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>	Optional
Wooden-Aguilar, Helena <Wooden-Aguilar.Helena@epa.gov>	Required
Simon, Harvey <Simon.Harvey@epa.gov>	Optional
Ashbee, Blake <ashbee.blake@epa.gov>	Optional
Burke, Marcella <burke.marcella@epa.gov>	Required
Wehrum, Bill <Wehrum.Bill@epa.gov>	Required
Rodan, Bruce <rodan.bruce@epa.gov>	Optional
Cherry, Katrina <Cherry.Katrina@epa.gov>	Optional
Jordan, Deborah <Jordan.Deborah@epa.gov>	Required
Caraballo, Mario <Caraballo.Mario@epa.gov>	Optional
Blackburn, Elizabeth <Blackburn.Elizabeth@epa.gov>	Optional
Moon, Diane <Moon.Diane@epa.gov>	Optional
Hanson, Paige (Catherine) <hanson.catherine@epa.gov>	Required
Gulliford, Jim <gulliford.jim@epa.gov>	Required
Hladick, Christopher <hladick.christopher@epa.gov>	Optional
Sheehan, Charles <Sheehan.Charles@epa.gov>	Optional

Time 2:15 PM – 2:30 PM
Subject Meeting: Scheduling & Advance
Location Administrator's Office

Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Millan Hupp (hupp.millan@epa.gov) <hupp.millan@epa.gov>	Required
Kundinger, Kelly <kundinger.kelly@epa.gov>	Required

Time 2:30 PM – 2:45 PM
Subject Meeting: OPA
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Daniell, Kelsi <daniell.kelsi@epa.gov>	Required

Time 2:45 PM – 3:00 PM
Subject Briefing: SHEP Fish Passage NSBLD Meeting
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required

Time 3:00 PM – 3:15 PM
Subject Call: RESTORE Council
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
b(6) Administrator <b(6) Administrator>	Organizer
Wagner, Kenneth <wagner.kenneth@epa.gov>	Required

Time 3:15 PM – 3:45 PM
Subject Briefing: Puerto Rico Water
Location Administrator's Office

Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 3:45 PM – 4:15 PM
Subject Meeting: COS
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Tuesday, November 21, 2017

Time 9:15 AM – 9:30 AM
Subject Weekly Discussion with Sarah
Location Administrator's Office
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 9:45 AM – 10:25 AM
Subject Briefing: WA/ME/ID Water Quality Standards
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Lyons, Troy <lyons.troy@epa.gov>	Required
	Dravis, Samantha <dravis.samantha@epa.gov>	Required
	Forsgren, Lee <Forsgren.Lee@epa.gov>	Required
	Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required
	Fotouhi, David <fotouhi.david@epa.gov>	Required
	Sarah Greenwalt (greenwalt.sarah@epa.gov) <greenwalt.sarah@epa.gov>	Required

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Time 10:25 AM – 10:45 AM
Subject Weekly Discussion: Enforcement
Location Administrator's Office
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Bodine, Susan <bodine.susan@epa.gov>	Required
	Traylor, Patrick <traylor.patrick@epa.gov>	Required

Time 10:50 AM – 11:15 AM
Subject Radio Interview
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] < [redacted]	Organizer
	Bowman, Liz <Bowman.Liz@epa.gov>	Required
	Hewitt, James <hewitt.james@epa.gov>	Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time 11:15 AM – 11:30 AM
Subject Briefing: BFGoodrich
Location Alm Room
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] <[redacted]	Organizer
	Glenn, Trey <Glenn.Trey@epa.gov>	Required
	Breen, Barry <Breen.Barry@epa.gov>	Required
	Fonseca, Silvina <Fonseca.Silvina@epa.gov>	Required
	Kelly, Albert <kelly.albert@epa.gov>	Required
	Woolford, James <Woolford.James@epa.gov>	Required
	Bodine, Susan <bodine.susan@epa.gov>	Required
	Starfield, Lawrence <Starfield.Lawrence@epa.gov>	Required
	Mackey, Cyndy <Mackey.Cyndy@epa.gov>	Required

Time 1:35 PM – 1:45 PM
Subject Call: Governor Daugaard
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] <[redacted]	Organizer
	Lyons, Troy <lyons.troy@epa.gov>	Required
	Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Required
	Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

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Time 1:50 PM – 2:00 PM
Subject Briefing: Litigation Sensitive
Location Administrator's Office
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**
	[redacted] <[redacted]	Organizer
	Schwab, Justin <Schwab.Justin@epa.gov>	Required

Time 2:00 PM – 2:30 PM
Subject Weekly Discussion with Henry
Location Administrator's Office
Show Time As Busy

Attendees	**Name <E-mail>**	**Attendance**

	[redacted] < [redacted]	Organizer
	Darwin, Henry <darwin.henry@epa.gov>	Required

Thursday, November 23, 2017

Time All Day
Subject Thanksgiving Holiday
Reminder 18 hours
Show Time As Free

Monday, November 27, 2017

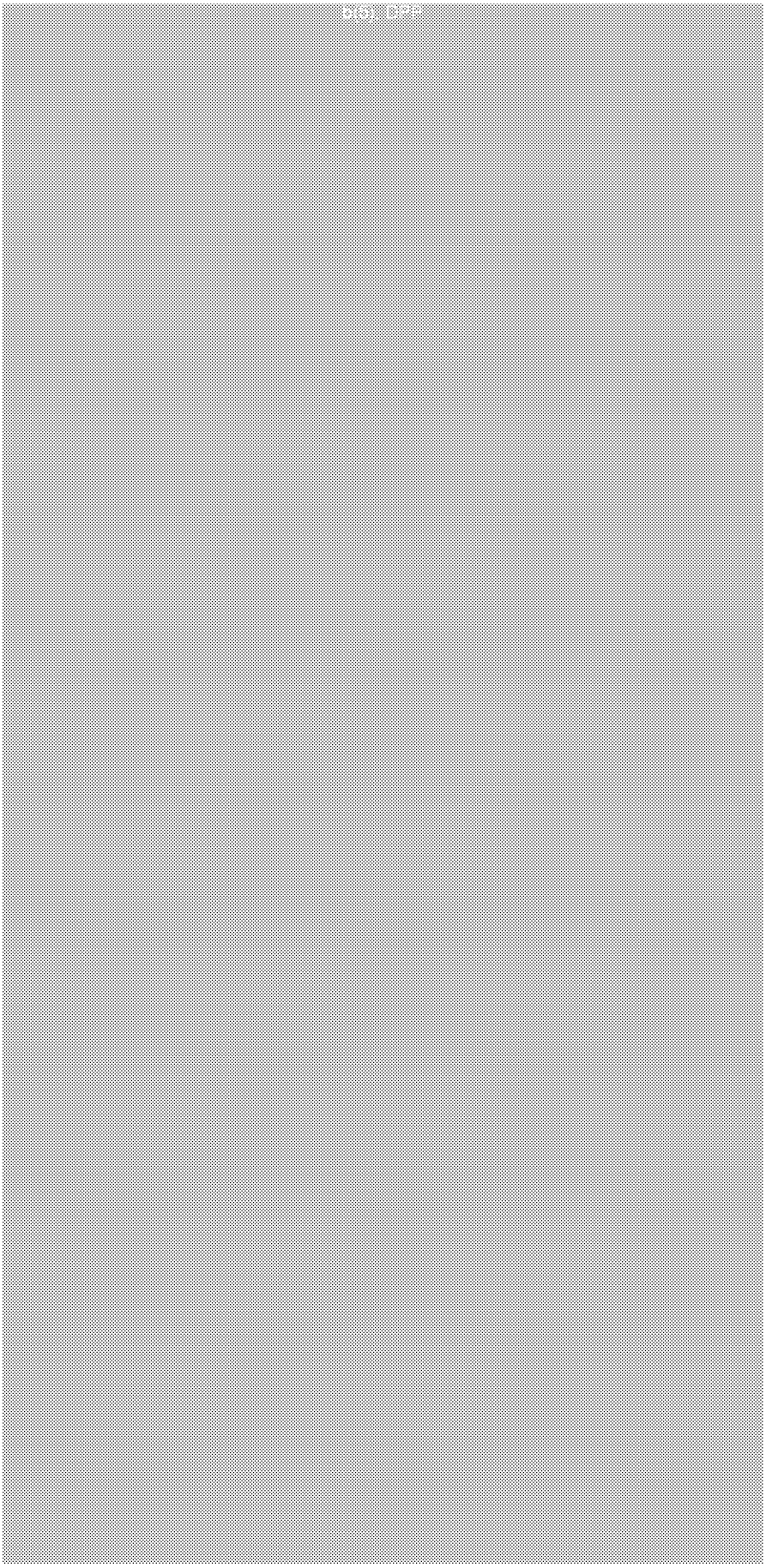
Time [redacted]
Subject Flight: [redacted] - ATL
Location [redacted]
Reminder 15 minutes
Show Time As Busy

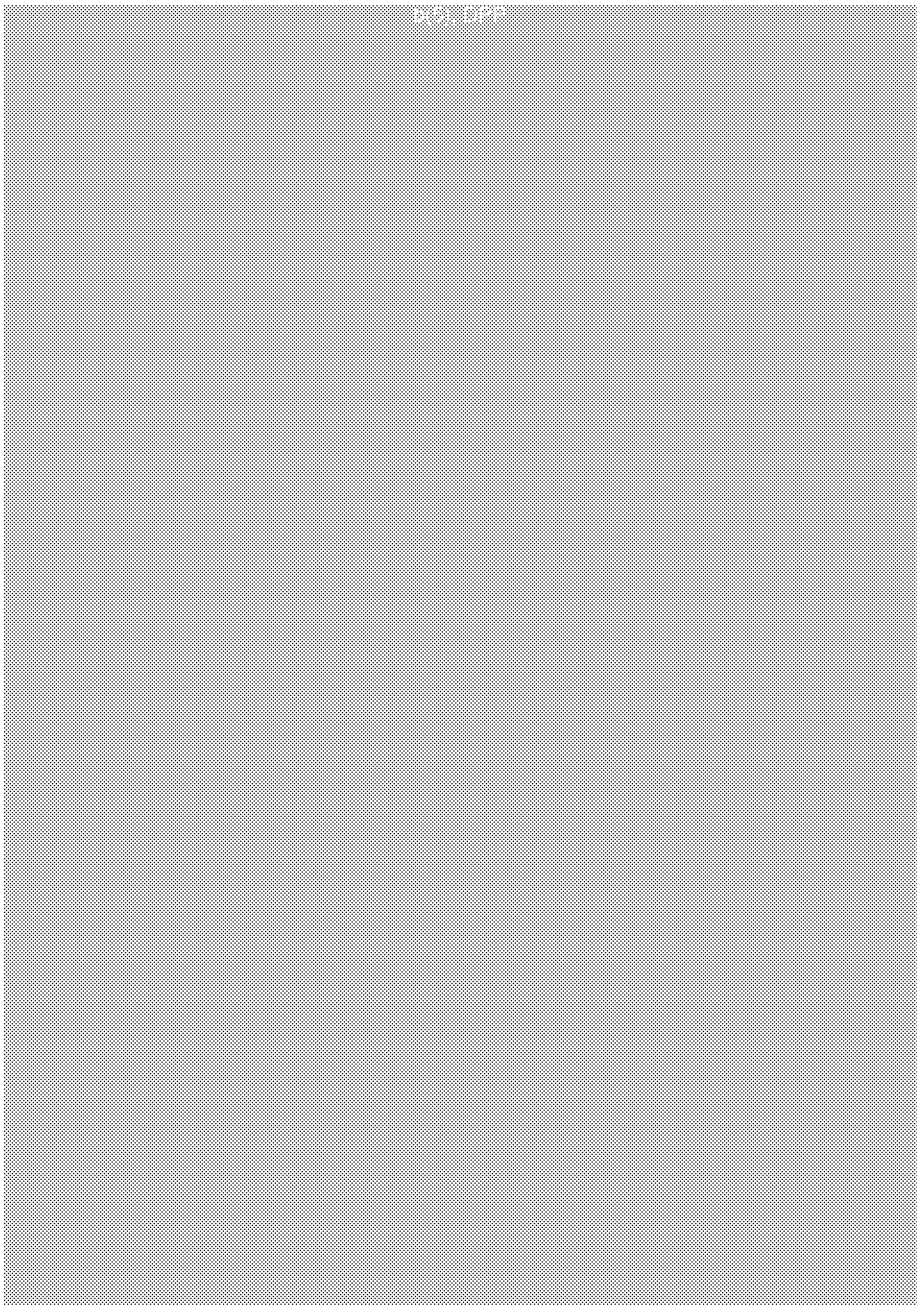
Time [redacted]
Subject Flight: ATL - MCO
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Time 1:00 PM – 1:30 PM
Subject Overview: Disney Food Waste Prevention and Recovery
Location Orlando, FL
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject
Location
Show Time As
Attendees

b(5), DPP


DISI DPF



Time	1:45 PM – 2:30 PM
Subject	EPCOT Greenhouse Walking Tour: Food Sourcing & Sustainable Growing Practices
Location	Orlando, FL
Reminder	15 minutes
Show Time As	Busy

Time	3:00 PM – 3:30 PM
Subject	Magic Kingdom Kitchen Visit: Reducing Food Waste
Location	Orlando, FL
Reminder	15 minutes
Show Time As	Busy

Time	3:45 PM – 4:15 PM
Subject	Harvest Power Site Visit: Food Waste Conversion

Location Orlando, FL
Reminder 15 minutes
Show Time As Busy

Time (b)(6), (b)(7)(c)
Subject Flight: MCO - ATL
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Time (b)(6), (b)(7)(c)
Subject Flight: ATL - (b)
Location (b)(6)
Reminder 15 minutes
Show Time As Busy

Tuesday, November 28, 2017

Time 8:30 AM – 9:00 AM
Subject Briefing: TransCanada Spill Update
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator < (b)(6) Administrator>	Organizer
Bodine, Susan <bodine.susan@epa.gov>	Required
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Lyons, Troy <lyons.troy@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

---

Time 9:10 AM – 10:00 AM
Subject Briefing: RFS
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
(b)(6) Administrator < (b)(6) Administrator>	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

Wehrum, Bill <Wehrum.Bill@epa.gov>	Required
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required

Time 10:30 AM – 11:15 AM
Subject Meeting: General Kelly and Principals
Location Chiefs Office
Reminder 15 minutes
Show Time As Busy

Time 11:30 AM – 12:30 PM
Subject POTUS Meeting
Location Oval Office
Reminder 15 minutes
Show Time As Busy

Time 3:15 PM – 4:15 PM
Subject Briefing: Lead and Copper Rule
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required
Kelly, Albert <kelly.albert@epa.gov>	Required
Dravis, Samantha <dravis.samantha@epa.gov>	Required
Bolen, Brittany <bolen.brittany@epa.gov>	Required

Time 4:15 PM – 4:45 PM
Subject Briefing: Agency Annual Obligation
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted]	Organizer
Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
Baptist, Erik <baptist.erik@epa.gov>	Required

Wednesday, November 29, 2017

Time	(b) (6)
Subject	
Location	
Recurrence	
Show Time As	

Time	8:45 AM – 9:15 AM
Subject	Briefing: Speaking Engagements/Events
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Attendees

Name <E-mail>	Attendance
(b) Administrator < (b) Administrator	Organizer
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required
Daniell, Kelsi <daniell.kelsi@epa.gov>	Required
Tate Bennett (Bennett.Tate@epa.gov) <Bennett.Tate@epa.gov>	Required
Wilcox, Jahan <wilcox.jahan@epa.gov>	Required
Kundinger, Kelly <kundinger.kelly@epa.gov>	Required
Millan Hupp (hupp.millan@epa.gov) <hupp.millan@epa.gov>	Required
McMurray, Forrest <mcmurray.forrest@epa.gov>	Required
Bowman, Liz <Bowman.Liz@epa.gov>	Required

Time	9:15 AM – 9:30 AM
Subject	Weekly Discussion with Sarah
Location	Administrator's Office
Show Time As	Busy

Attendees

Name <E-mail>	Attendance
(b) Administrator < (b) Administrator	Organizer
Greenwalt, Sarah <greenwalt.sarah@epa.gov>	Required

Time	9:30 AM – 10:30 AM
Subject	Discussion: OAR's Priorities
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	b(6) Administrator <b(6) Administrator>	Organizer
	Wehrum, Bill <Wehrum.Bill@epa.gov>	Required
	Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>	Required
	Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required
	Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov>	Required

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Time	11:00 AM – 11:30 AM
Subject	Meeting: Rep. Frank Pallone
Location	Capitol Hill
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	b(6) Administrator <b(6) Administrator>	Organizer
	Lyons, Troy <lyons.troy@epa.gov>	Required
	Ringel, Aaron <ringel.aaron@epa.gov>	Required

Time	1:00 PM – 1:30 PM
Subject	Meeting: Kell
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	b(6) Administrator <b(6) Administrator>	Organizer
	Kelly, Albert <kelly.albert@epa.gov>	Required

Time	1:30 PM – 2:00 PM
Subject	Briefing: West Lake
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy

Attendees	**Name <E-mail>**	**Attendance**
	b(6) Administrator <b(6) Administrator>	Organizer
	Kelly, Albert <kelly.albert@epa.gov>	Required
	Chu, Ed <Chu.Ed@epa.gov>	Required

Gulliford, Jim <gulliford.jim@epa.gov>	Required

Time	2:00 PM – 2:45 PM
Subject	Briefing: Chemical Reviews
Location	Administrator's Office
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	[redacted] <[redacted]> — Organizer
	Beck, Nancy <beck.nancy@epa.gov> — Required
	Baptist, Erik <baptist.erik@epa.gov> — Required
	Darwin, Henry <darwin.henry@epa.gov> — Required
	Dourson, Michael <dourson.michael@epa.gov> — Required
	Morris, Jeff <Morris.Jeff@epa.gov> — Optional
	Ryan Jackson (jackson.ryan@epa.gov) <jackson.ryan@epa.gov> — Required

---

Time	2:45 PM – 3:15 PM
Subject	Weekly Discussion: Enforcement
Location	Administrator's Office
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	[redacted] <[redacted]> — Organizer
	Traylor, Patrick <traylor.patrick@epa.gov> — Required
	Bodine, Susan <bodine.susan@epa.gov> — Required

Time	3:15 PM – 4:15 PM
Subject	Briefing: SO2
Location	Alm Room
Reminder	15 minutes
Show Time As	Busy
Attendees	**Name <E-mail>** — **Attendance**
	[redacted] <[redacted]> — Organizer
	Mathias, Scott <Mathias.Scott@epa.gov> — Required
	Page, Steve <Page.Steve@epa.gov> — Required
	Wehrum, Bill <Wehrum.Bill@epa.gov> — Required

Gunasekara, Mandy <Gunasekara.Mandy@epa.gov> Required

Time 5:15 PM – 5:30 PM
Subject Call: Governor Daugaard
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Lyons, Troy <lyons.troy@epa.gov>	Required
Bodine, Susan <bodine.susan@epa.gov>	Required
Traylor, Patrick <traylor.patrick@epa.gov>	Required
Cory, Preston (Katherine) <Cory.Preston@epa.gov>	Required

Time 5:25 PM – 5:50 PM
Subject Briefing: Budget
Location Administrator's Office
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Jackson, Ryan <jackson.ryan@epa.gov>	Required
Greaves, Holly <greaves.holly@epa.gov>	Required
Hanson, Catherine <hanson.catherine@epa.gov>	Required
Darwin, Henry <darwin.henry@epa.gov>	Required

Time 7:30 PM – 8:15 PM
Subject American Principles Project
Location Mayflower Hotel, 1127 Connecticut Ave NW, WDC
Attachments American Principles Project 11.29.17.pdf
(ETHICS) November 29 - American Principles Project Foundation Gala.pdf
Reminder 15 minutes
Show Time As Busy
Attendees

Name <E-mail>	Attendance
[redacted] < [redacted]	Organizer
Lincoln Ferguson (ferguson.lincoln@epa.gov) <ferguson.lincoln@epa.gov>	Required

Bowman, Liz <Bowman.Liz@epa.gov> Required

Thursday, November 30, 2017

Time 8:45 AM – 9:15 AM
Subject Speaking Engagement: Texas Public Policy Energy & Climate Policy Summit
Location Heritage Foundation, WDC
Attachments 2017 Crossroads Invitation Letter to Secretary Scott Pruitt.pdf
Crossroads Summit 2017 Agenda as of Oct 19.pdf
Completed event form for Administrator Pruitt for 2017 Crossroads.docx
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight [redacted] - SDF
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Time 12:30 PM – 1:15 PM
Subject Speaking Engagement: Kentucky Farm Bureau
Location Louisville, KY
Reminder 15 minutes
Show Time As Busy

Time 1:30 PM – 2:45 PM
Subject Working Lunch and Roundtable with Governor Bevin & Cabinet
Location Louisville, KY
Reminder 15 minutes
Show Time As Busy

Time 3:00 PM – 3:05 PM
Subject Radio Interview: WDRB
Location Louisville, KY
Reminder 15 minutes
Show Time As Busy

Time 3:35 PM – 3:45 PM
Subject Live Radio Interview: WHAS-11
Location Louisville, KY
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight: SDF - DTW
Location [redacted]
Reminder 15 minutes
Show Time As Busy

Time [redacted]
Subject Flight: DTW - DSM

Location (b) (6)
Reminder 15 minutes
Show Time As Busy

Non-Responsive & Privileged (b)(5)

Message

From: Emily Wilkins [emilywilkins@live.com]
Sent: 1/25/2018 9:18:25 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Re: Mtg. for Stuart Jolly?

Just following up on this. I'd love to get something nailed down for next week. Thanks!

Emily Wilkins
Assistant to Stuart Jolly

Command Solutions, LLC
Ex. 6

From: Emily Wilkins <emilywilkins@live.com>
Sent: Monday, January 22, 2018 9:23 AM
To: Jackson.ryan@epa.gov
Subject: Fw: Mtg. for Stuart Jolly?

Thanks, Ryan, for seeing what you can do to help us make this meeting happen. Perhaps the timing is bad with the government shutdown, but hopefully that will end soon.

Emily Wilkins
Assistant to Stuart Jolly

Command Solutions, LLC
Ex. 6

From: Ryan Jackson Ex. 6
Sent: Saturday, January 20, 2018 4:08 PM
To: Emily Wilkins
Subject: Re: Mtg. for Stuart Jolly?

Can you email me at Jackson.ryan@epa.gov? Don Benton is no longer with the EPA. Thanks.

On Fri, Jan 19, 2018 at 9:18 AM, Emily Wilkins <emilywilkins@live.com> wrote:

Hi Don & Ryan,

I hope you're doing well! Stuart Jolly asked me to reach out to you to see if you guys can help negotiate a meeting between his friend Eric Reehl (with ***Adaptive Metadata Solutions***) and EPA's CIO **Steven Fine**.

Eric manages Adaptive, Inc as well as a few other projects. Some of their clients include international and domestic companies/countries…i.e. Deloitte, Deutsche Bank, Deutsche Telekom, Express Scripts, Ameritrade, Target, ING, and Merck to name a few.

Eric and his team will be in DC the week of **Jan 29-Feb 2** and would like to brief your agency on their capabilities to catalog and track data. I've tried reaching out to the CIO's office directly with no response, so we thought maybe you could help by letting them know Stuart's not just a random vendor off the street and that he associates with products and services that *work*. ;-)

Thanks for connecting us! Let me know what works and I'll set it up.

Emily Wilkins
Assistant to Stuart Jolly

Command Solutions, LLC
Ex. 6

Message

From: Chris Hessler [CHessler@ajw-inc.com]
Sent: 1/13/2018 6:22:31 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: FWIW

Pruitt Headed To California "Soon" For More Meetings With The CARB To Discuss Efficiency Rues. According to Reuters, "Pruitt added that EPA also continuing its review of automobile fuel efficiency rules, and would be headed to California soon for more meetings with the California Air Resources Board to discuss them. California in 2011 agreed to adopt the federal vehicle emission rules through 2025, but has signaled it would opt out of the standards if they are weakened – a move that would complicate matters for automakers serving the huge California market." [Reuters, 1/10/18 (=)]

Christopher J. Hessler | Partner | AJW, Inc.
2200 Wilson Blvd, Suite 310, Arlington, VA 22201
1121 L Street, Suite 309, Sacramento, CA 95814

Ex. 6
Chessler@ajw-inc.com
@AjwHessler

Enhancing market opportunities for innovative technologies.

Message

From: Charles Grizzle [grizzle@grizzleco.com]
Sent: 1/25/2018 8:55:01 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
CC: Hope, Brian [Hope.Brian@epa.gov]
Subject: Arsenic Science Task Force concerns with NAS IRIS Workshop
Attachments: ASTF to NAS January 2018-1.pdf

Ryan,

Attached please find a copy for Administrator Pruitt of the letter from Bill Adams, Chair of the Arsenic Science Task Force (ASTF), to the NAS expressing our concerns with the upcoming IRIS Workshop.

Best regards,
Charlie

Charles L. Grizzle
Chairman
The Grizzle Company
1701 Pennsylvania Ave, NW
Suite 300
Washington, D.C. 20006
202-234-2101 (main)

Ex. 6

AS Arsenic Science Task Force

January 23, 2018

Teresa Fryberger, Ph.D.
Director
Board on Environmental Studies and Toxicology
Committee Engineering and Medicine
National Academies of Science
210 Constitution Avenue NW
Washington, DC 20418

RE: Review of Advances Made to the IRIS Process: A Workshop

Dear Director Fryberger:

The Arsenic Science Task Force[1] (ASTF) writes to express its concern with the approach the Board on Environmental Studies and Toxicology (BEST) has chosen to take in its upcoming review of the EPA Integrated Risk Information System (IRIS) program. Specifically, the title of the Workshop assumes the conclusion EPA would like the Board to reach and is therefore biased on its face. The statement of task is unacceptably narrow, being based solely on presentations offered by EPA staff, thus ensuring the discussions will be focused on the recently-appointed IRIS program management's advocacy of its internal view that the process has been improved during its brief tenure.

A more robust and objective statement of task is both necessary and appropriate to equip the Committee to assess the extent to which EPA's proposed procedural changes to IRIS have resulted in a program capable of gathering, assessing, and integrating the scientific literature with respect to chemical assessments in a way that is (i) transparent to the public; (ii) timely; (iii) balanced; and (iv) reflective of the

[1] ASTF is an informal organization of arsenic stakeholders whose objective is to ensure a full, fair, and objective integration of the relevant scientific evidence is carried out in the development of EPA's forthcoming Integrated Risk Information System (IRIS) assessment of inorganic arsenic.

best current scientific methodologies. Similarly, the meeting should be held in a format that allows stakeholders in the IRIS process to provide views in a more comprehensive manner than allowed by the brief public comment slots. Only in this way can the Board obtain the balanced information on the current status of the program that it needs to reach a well-informed decision.

Based on the Workshop agenda, we expect the upcoming workshop to be distressingly similar to the review by the EPA Science Advisory Board last fall, which resulted in an orchestrated presentation of the claims by the IRIS staff that the documented failures of the program have been recently fixed.

One would have expected the independent National Academies to take a radically different approach. Instead of a one-sided statement of task focused on presentations by EPA staff, an agenda structured around the documented recommendations for improvements to IRIS with EPA staff providing responses would have provided for a more objective discussion. While the published agenda seems to provide ample opportunities for stakeholder comments throughout the course of the workshop, it has been clarified that each person can make comments only once during the two-day Workshop and for a very short period of time. Even if those truncated opportunities were increased, the workshop's parameters still fall far short of a rigorous review.

ASTF does not believe that the Committee, when constrained by the current statement of task and meeting format, can fully evaluate whether EPA has adequately addressed the numerous substantive and procedural criticisms directed at the IRIS program in prior NAS reports, including the 2014 NAS review of the IRIS process (2014 NAS Report) and the 2011 NAS review of the draft IRIS Assessment of Formaldehyde (2011 NAS Formaldehyde Report).

ASTF has been actively engaged in the IRIS assessment process more than 10 years as the development of the revised draft of inorganic arsenic has proceeded. We have advocated for significant IRIS improvements to ensure that it is based on objectivity, transparency, and scientific accuracy. We have conducted literature searches to identify scientific gaps and have performed research on arsenic to improve the scientific database and provide a stronger basis for the risk

assessment process. The results of our research have been published in peer-reviewed journals and these publications were submitted to EPA for consideration in the development of the arsenic assessment. The ASTF, and other stakeholders, are closely familiar with the IRIS program's promises to make improvements. For example, while IRIS program officials presented their approach to systematic review at a workshop in 2015, we were concerned that their application of systematic review failed to incorporate mode of action methodologies, which is a fatal flaw.

We continue to be alarmed by the inconsistencies in the IRIS program and bias in the selection and evaluation of scientific studies relevant to the assessment of inorganic arsenic. Our review of the list of studies identified by IRIS as those on which they will rely, as documented in the Health and Environmental Research Online (HERO) database, revealed the exclusion of highly relevant studies, and the inclusion of others that had no relevance.

Finally, the ASTF is concerned the 9-month timeframe for completion of the review is artificially brief and will not permit a thorough review of the IRIS risk assessment methods. The Committee should extend the 9-month timeframe to ensure that it has sufficient time to effectively evaluate the IRIS program changes and to solicit additional stakeholder engagement and input. We strongly encourage an NAS process that allows for a full review of the IRIS risk assessment methods.

We urge the Committee to significantly revise the statement of task and to change the meeting format to ensure the many documented recommendations for improvements in the IRIS program are being thoroughly examined, that there are sufficient opportunities for meaningful stakeholder involvement, and that a sufficient amount of time is allotted for the Committee to conduct this critical review.

Sincerely,

W. J. Adams

William J. Adams, Ph.D., SETAC Fellow

Chair

cc: The Honorable Scott Pruitt,

Administrator

Environmental Protection Agency

Jennifer Orme-Zavaleta

Principal Deputy Assistant Administrator

Office of Research & Development

Environmental Protection Agency

Message

From: ECOS [ecos=ecos.org@mail71.atl31.mcdlv.net]
on behalf of ECOS [ecos@ecos.org]
Sent: 1/12/2018 7:59:03 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: State Groups Join Forces on PFAS, Mitchell Elected Air Committee Vice Chair, & More

State Groups Join Forces on PFAS, Mitchell Elected Air Committee Vice Chair, & More

ECOSWIRE | Vol. 20 No. 02

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ECOSWIRE

Friday, January 12, 2018
Vol. 20 No. 02

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- ECOS Alumni News
- Upcoming Events

State Media Associations Join Forces on PFAS

ECOS this week held a call with state media associations to begin coordination efforts to address national concerns surrounding Per- and Polyfluoroalkyl Substances (PFAS). Existing projects include:

- ECOS working with U.S. EPA's Office of Research and Development (ORD) and the Association of State and Territorial Health Officials to develop PFAS risk communication case studies, and holding joint ECOS-ORD bimonthly calls to update states on EPA's PFAS research efforts.

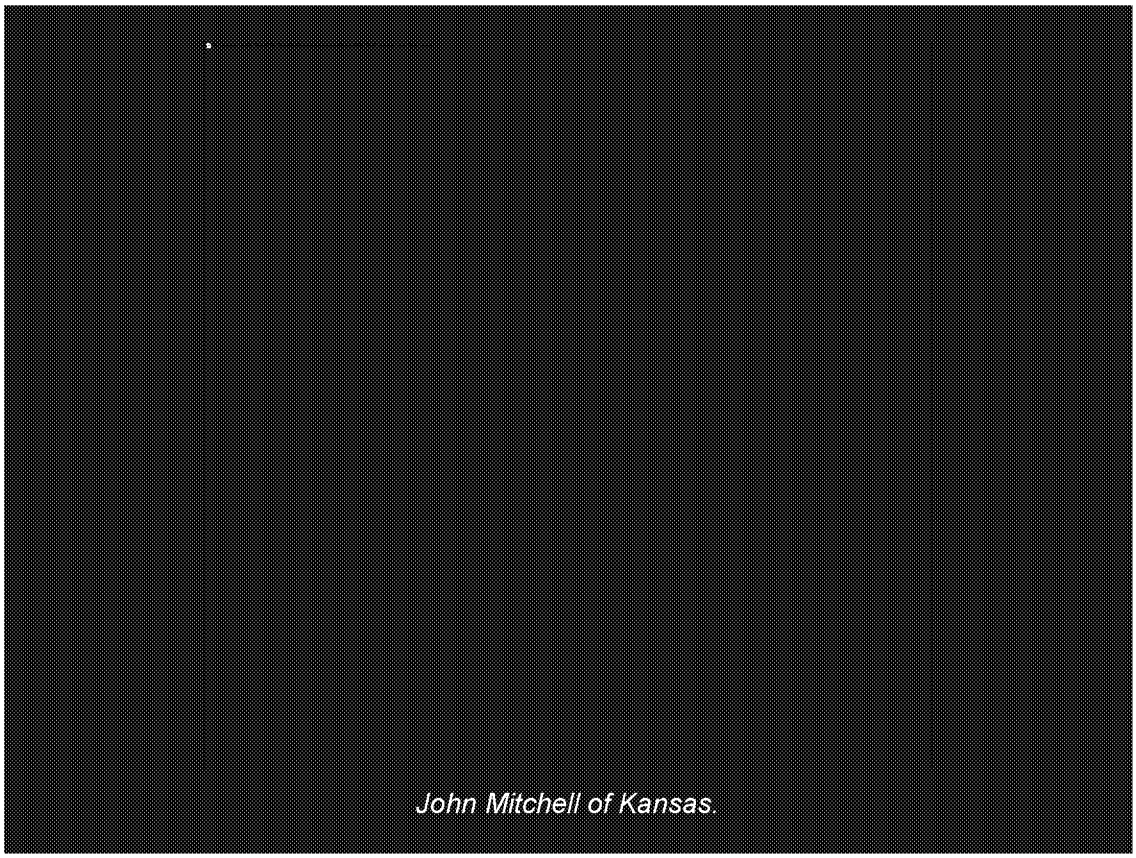
- The Interstate Technology & Regulatory Council's PFAS team of more than 400 members drafting six technical fact sheets designed to help state regulatory program personnel effectively share information and make timely decisions regarding PFAS.
- The National Governors Association, Association of Clean Water Administrators, Association of State and Territorial Waste Management Officials, and Association of Safe Drinking Water Administrators pursuing various avenues to assist states with PFAS, including compiling background papers and surveys on state efforts to set standards, respond to toxicity events, and address other PFAS concerns; hosting meetings; creating interstate PFAS workgroups; becoming involved with other federal agency initiatives (i.e., Department of Defense cleanup programs); and writing letters recommending a unified voice on PFAS practices.

ECOS met with EPA's PFAS coordinating committee earlier in the week to discuss the agency's initial action plan outline. EPA announced in early December its plans for a cross-agency effort to identify near-term actions it will take to address PFAS while supporting local communities, increasing research, and enhancing coordination with states, tribes, and federal partners. [Longsworth]

Mitchell of Kansas Elected Air Committee Vice Chair

ECOS is pleased to announce that its Executive Committee has elected John Mitchell, Director of the Kansas Division of Environment within the Department of Health and Environment, to a two-year term as Air Committee Vice Chair. He will serve alongside Chair Ben Grumbles of Maryland.

Mitchell previously chaired the ECOS Innovation & Productivity Committee and the ECOS Waste Committee. [Poole/Parisien]



John Mitchell of Kansas.

U.S. EPA Seeks State Input on Lead and Copper Rule Revisions

U.S. EPA's Office of Ground Water and Drinking Water this week held a federalism consultation meeting for states and other stakeholders to obtain input from state and local government officials on potential revisions to key areas of the Lead and Copper Rule (LCR). The key areas for potential revisions are lead service line replacement, corrosion control treatment, tap sampling, public education and transparency, and copper requirements.

EPA is seeking state feedback on approaches to consider, additional information or concerns, and any information and specific data that state and local governments could provide on their experiences.

For more details and questions, please see this presentation. States can submit comments here or to LCRConsultation@epa.gov to Docket ID No. EPA-HQ- OW-2018-0007. Comments are due **March 8**.

For additional information on the LRC, click here. [Piper]

Federal Spending Negotiations Progressing; Another CR Still Likely

Congressional and White House leaders are still attempting to negotiate a two-year government spending deal, and are optimistic that a deal will be achieved and pass Congress before the January 19 deadline.

On January 11, House Majority Leader Kevin McCarthy (R-CA) announced that Congress will consider another stopgap funding bill (or continuing resolution or CR) next week to give appropriators more time to develop a full omnibus spending bill. The next CR would likely extend until February 16, the eve of the Presidents' Day recess, although McCarthy did not confirm this in his statement. [McAleer]

House Holds Hearing on U.S. DOE Modernization

On January 9, the Energy Subcommittee of the House Committee on Energy and Environment held a hearing, *DOE Modernization: Advancing DOE's Mission for National, Economic, and Energy Security of the United States.*

The first panel of witnesses included four senior U.S. DOE officials, Deputy Secretary Dan Brouillette, and Under Secretaries Paul Dabbar, Frank Klotz, and Mark Menzes. The panelists discussed DOE priorities and advances made in the areas of energy security, electrical grid resilience, scientific and technological innovations, and environmental remediation.

The second panel of energy leaders and scientists touched on ways to leverage the full benefits of the national laboratory system. [Swanson]

Make a New Year's Resolution to Register, Reserve Early for the Spring Meeting

ECOS is pulling together a roster of dynamic speakers for its wide-ranging Spring Meeting on *Getting to Results*. The gathering, to be held March 20-22 ECOS Spring Meeting in St. Paul, Minnesota, will spotlight ECOS' expanding ECOSResults.org effort, as well as state initiatives to accelerate and enhance land cleanups, promote cross-agency partnerships, ensure a secure and sustainable energy future, encourage Sustainable Materials Management, achieve tangible results through Cooperative Federalism 2.0 and E-Enterprise, tackle PFAS, and effectively communicate progress to the public.

Also planned are keynotes by Governor Mark Dayton of Minnesota (invited) and an expert on managing across generations, a point-counterpoint session on Clean Water Action 404 assumption, and two offsite evening events including an excursion to the Science Museum of Minnesota.

Register by **February 16** to receive the reduced early bird rate. Reserve a room at the hotel by calling The Saint Paul Hotel at 800-292-9292, request reservations, and mention the **ECOS Spring Meeting**, or visit The Saint Paul Hotel website and use the special codes **180318ECO2** for the $149 rate and **180318ECO** for the $169 rate. The special ECOS group rates of $149 (government and staff room) and $169 (deluxe room) plus tax are available until **February 19** or sellout of the room block, whichever is sooner. Visit the Spring Meeting page for additional details.

For agenda or sponsorship information, please contact Lia Parisien of ECOS. Contact Sarah Grace Longsworth for registration information and Megan Swanson for hotel information. [Parisien]

State News You Can Use

Ohio EPA Sets Record Year with Nearly $1 Billion to Improve Water Quality in 2017

Oregon Touts Food Waste Grant as a Win for University, Public, and DEQ

Need-to-Know News in Waste & Air

U.S. EPA Updates Superfund National Priorities List to Clean Up Contamination

Area of Focus: *Waste*

U.S. EPA this week added four and proposed to add 10 hazardous waste sites to the Superfund program's National Priorities List (NPL). EPA adds sites to the NPL when contamination threatens human health and the environment.
The following sites are being added to the NPL:

- Newark South Ground Water Plume in Newark, Delaware;
- American Creosote DeRidder in DeRidder, Louisiana;
- Mississippi Phosphates Corporation in Pascagoula, Mississippi; and
- Eagle Industries in Oklahoma City, Oklahoma.

The following sites are being proposed for addition to the NPL:

- Hockessin Groundwater in Hockessin, Delaware;
- Rockwell International Wheel & Trim in Grenada, Mississippi;
- Burlington Industries Cheraw in Cheraw, South Carolina;
- Southside Chattanooga Lead Site in Chattanooga, Tennessee;
- Broadway Street Corridor Groundwater Contamination in Anderson, Indiana;
- Franklin Street Groundwater Contamination in Spencer, Indiana;
- Spring Park Municipal Well Field in Spring Park, Minnesota;
- Lane Plating Works, Inc. in Dallas, Texas;
- River City Metal Finishing in San Antonio, Texas; and

- Orange County North Basin in Orange County, California.

The NPL is one focus area of the U.S. EPA Superfund Task Force Recommendations announced in July 2017 to improve and revitalize the Superfund program.

For *Federal Register* notices and supporting documents for the final and proposed sites, click here. [Parisien]

U.S. EPA Plans Three Additional Listening Sessions on Proposed Repeal of CPP

Area of Focus: *Air*

U.S. EPA has announced dates and locations for three additional public listening sessions on the proposed repeal of the Clean Power Plan (CPP). The events will be held on:

- February 21 in Kansas City, Missouri;
- February 28 in San Francisco, California; and
- March 27 in Gillette, Wyoming.

Once registration information becomes available, it will be posted on EPA's Electric Utility Generating Units: Repealing the Clean Power Plan webpage. Pre-registration to provide an oral presentation will begin when the notice is published in the *Federal Register* and will close one week prior to each session.

In addition, with the publication of an upcoming *Federal Register* notice, EPA will reopen through **April 26** the public comment period for the proposed repeal. To submit written comments regarding the CPP proposal, please visit EPA's Clean Power Plan Proposed Repeal: How to Comment webpage. [Poole]

ECOS Alumni News

Coats Tapped to Serve as Army Regional Counsel

Kara Coats, who served until 2017 as Deputy Secretary of the Delaware Department of Natural Resources and Environmental Control, has been tapped as Regional Counsel of the Army's Northern Regional Environmental and Energy Office at Aberdeen Proving Ground in Maryland. The office is an asset of the Office of the Assistant Secretary of the Army (Installations, Energy and Environment), operationally aligned with the U.S. Army Corps of Engineers' North Atlantic Division.

In her new position, Coats develops, coordinates, and communicates the Department of Defense legal position on state legislative and regulatory issues within Region 5. In addition, she supports the office on legal issues related to management of the office.

Licensed as an attorney in Delaware, Pennsylvania, and Oklahoma, Coats has specialized in environmental law for most of her career. [Parisien]

Upcoming Events

Webinars

C&D Materials Management & Markets in the Northeast

The Northeast Recycling Council (NERC) and the Northeast Waste Management Officials Association (NEWMOA) will co-host a webinar on construction and demolition (C&D) materials management and markets in the Northeast on **January 17 at 2-3 p.m. Eastern**. The joint webinar will feature presentations on the results of NEWMOA's analysis of U.S. EPA Regions 1 and 2 states' architectural C&D materials disposal, processing, and recovery for reuse and recycling, as well as an overview of a Massachusetts Department of Environmental Protection study on the status of C&D opportunities in the state.

Members from NERC and NEWMOA both participate monthly in ECOS' Sustainable Materials Management Workgroup.

To register for the webinar, click here. [Longsworth]

U.S. EPA on Urban Soil Contamination

U.S. EPA will hold its first Tools and Resources webinar of the New Year on **January 17 at 3-4 p.m. Eastern**. The webinar will focus on identifying sources (site-related or natural, anthropogenic) of soil contamination in urban settings, a process vital to decision-making during environmental cleanups.

Presenters will discuss EPA's methodology for citywide or urban area background data set collection, as well as results of a recent U.S. EPA study on soil contamination in Louisville and Lexington, Kentucky; Memphis and Chattanooga, Tennessee; Raleigh and Winston-Salem, North Carolina; and Gainesville, Florida.

To register, click here. [Longsworth]

ECOS and U.S. EPA on E-Enterprise Combined Air Emissions Reporting

On **January 22 at 3-4:30 p.m. Eastern**, ECOS and U.S. EPA will host a webinar designed to provide the latest updates about the Combined Air Emissions Reporting (CAER) project. The webinar will provide an update for state, local, and tribal air agencies, EPA, industry, and other interested parties on the joint state-EPA team's work to develop a future process for reporting to four air databases including the National Emissions Inventory (NEI) via delegated state programs, and direct reports to federal databases including the Toxics Release Inventory (TRI), Greenhouse Gas Reporting Program (GHG), and compliance reporting requirements for Part 60 and Part 63 regulations (via Compliance and Emissions Data Reporting Interface or CEDRI).

Please register here. Recordings of previous webinars and FAQs are available here. This webinar also will be recorded and made available. [Poole]

ITRC on Groundwater Statistics for Environmental Project Managers

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course

on *Groundwater Statistics for Environmental Project Managers* on **January 23 at 1-3:15 p.m. Eastern**.

Statistical techniques may be used throughout the process of cleaning up contaminated groundwater, but it can be challenging for practitioners, who are not experts in statistics, to interpret and use statistical techniques. The training class will encourage and support project managers and others who are not statisticians to use the associated ITRC document, apply key aspects of the statistical approach to groundwater data, and answer common questions on background, compliance, trend analysis, and monitoring optimization.

Learn more and register here. [Bodi]

ITRC on Petroleum Vapor Intrusion

The Interstate Technology & Regulatory Council (ITRC) will hold an online training course on *Petroleum Vapor Intrusion: Fundamentals of Screening, Investigation, and Management* on **January 25 at 1-3:15 p.m. Eastern**.

Petroleum vapor intrusion (PVI) is the process by which volatile petroleum hydrocarbons (PHCs) released as vapors from light nonaqueous phase liquids (LNAPL), petroleum-contaminated soils, or petroleum-contaminated groundwater migrate through the vadose zone and into overlying buildings. This training and associated guidance document provide regulators and practitioners with consensus information based on empirical data and recent research to support PVI decision making under different regulatory frameworks. The PVI assessment strategy described in this training enables confident decision making that protects human health for various types of petroleum sites and multiple PHC compounds.

Learn more and register here. [Bodi]

ECOS on Clean Water SRF Innovations

On **January 30 at 2-3:30 p.m. Eastern**, ECOS will host a webinar to highlight three states' innovative uses of Clean Water State Revolving Funds (CWSRF). The three featured projects demonstrate unique uses and dispersion of CWSRF funds, and offer valuable case studies that will build state capacity and knowledge.

See this flyer for more information on the presentations from Idaho, Iowa, and Massachusetts. The webinar is the product of a research project to document the flexibilities of the CWSRF. ECOS is working under a cooperative agreement with U.S. EPA's Office of Water.

Register here for the webinar, or contact Layne Piper for more information. [Piper]

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Message

From: Marc Himmelstein [Marc_Himmelstein@nes-dc.com]
Sent: 1/23/2018 4:14:46 PM
To: Jackson, Ryan [jackson.ryan@epa.gov]
Subject: Pruitt/Reilly

Last month while Pruitt was awaiting a flight in St Louis, he has a conversation with the husband of Bill Reilly's assistant Brandi O'Donnell. Pruitt several times expressed an interest in talking to Reilly
I have been asked to see if that can happen
Appreciate your help
BTW first two weeks of the month I visited 2 RA's 10 and 8
I liked Chris
We talked about the Washington state water issues and he was prepared and asked decent questions
Doug was even better but we had met when he worked for Allard
Hope you are well

Sent from my iPad

Message

From: Jackson, Ryan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=38BC8E18791A47D88A279DB2FEC8BD60-JACKSON, RY]
Sent: 4/5/2018 10:16:33 AM
To: Peter Wright Ex. 6
CC: Lyons, Troy [lyons.troy@epa.gov]
Subject: Re: Update

We are going to get this done.

Ryan Jackson
Chief of Staff
U.S. EPA
Ex. 6

On Apr 4, 2018, at 10:16 PM, Peter Wright <Ex. 6> wrote:

Ryan

Thank you for your note. Christian Palich spoke with me yesterday morning to provide me with and update and inquire about my availability for the balance of this month and next. Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

I also look forward to these next steps in the process and finally be able to start.

Regards,

Peter

On Apr 4, 2018, at 8:47 PM, Jackson, Ryan <jackson.ryan@epa.gov> wrote:

Thank you for doing that.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process I'm looking forward to this and even more forward to having you here.

Ryan.

From: Peter Wright Ex. 6
Sent: Monday, April 2, 2018 11:25 AM
To: Jackson, Ryan <jackson.ryan@epa.gov>
Subject: Update

Ryan

I appreciate it has been a particularly tough week and weekend of press coverage for the Administrator.

Ex. 5 - Deliberative Process

Message

From: Jackson, Ryan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=38BC8E18791A47D88A279DB2FEC8BD60-JACKSON, RY]
Sent: 4/5/2018 6:43:09 PM
To: Juliet.Eilperin@washpost.com
Subject: information for you
Attachments: Administratively Determined Positions Legislative History.pdf; Administratively Determined Positions.pdf

Juliet, attached is the actual legislative history of the 1977 Safe Drinking Water Act. It's been law since then. Also attached is Agency policy on AD's. I'm unsure how old it is, but as you can tell it's not recent and maybe has been around since 2010 thereabouts?

Some former Senate staff like me would be proud to know their 40 year old work is still being referenced. It warms my heart.

Ryan Jackson
Chief of Staff
U.S. Environmental Protection Agency
Ex. 6

97th Congress
2d Session } COMMITTEE PRINT

A LEGISLATIVE HISTORY OF THE SAFE DRINKING WATER ACT

TOGETHER WITH A

SECTION-BY-SECTION INDEX

PREPARED BY THE

ENVIRONMENT AND NATURAL RESOURCES POLICY DIVISION

OF THE

CONGRESSIONAL RESEARCH SERVICE

OF THE

LIBRARY OF CONGRESS

FEBRUARY 1982

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persons served by it of contaminant levels of any unregulated contaminant required to be monitored under section 1445(a)" after "issued by the system".

(2) Section 1414(c) is further amended by striking out "thereunder" and inserting in lieu thereof "issued under this subsection".

(c) Section 1445(a) of such Act is amended by striking out "or" before "in administering" and by inserting before the period at the end thereof: ", in evaluating the health risks of unregulated contaminants, or in advising the public of such risks".

(d) Section 1445(b)(1) of such Act is amended by inserting "(A)" immediately after "person subject to", by striking out "or" after "1412" and inserting in lieu thereof ", (B) an", by striking out "(or person)" and substituting the following: ", or (C) any requirement to monitor an unregulated contaminant pursuant to subsection (a), or person", and by striking out the parenthesis after "or other person" and substituting "referred to in clause (A), (B), or (C)".

EMERGENCY ASSISTANCE

SEC. 13. Section 1442(a)(2)(B) of the Public Health Service Act, as amended by section 9 of this Act, is further amended by striking out "respecting drinking water" and all that follows down through the period to the end thereof and substituting: "affecting public water systems (including sources of water for such systems) which the Administrator determines to present substantial danger to the public health. Grants provided under this subparagraph shall be used only to support those actions which (i) are necessary for preventing, limiting or mitigating danger to the public health in such emergency situation and (ii) would not, in the judgment of the Administrator, be taken without such emergency assistance. The Administrator may carry out the program authorized under this subparagraph as part of, and in accordance with the terms and conditions of, any other program of assistance for environmental emergencies which the Administrator is authorized to carry out under any other provision of law. No limitation on appropriations for any such other program shall apply to amounts appropriated under this subparagraph.".

[Material pertaining to Clean Air Act technical and conforming amendments has been omitted.]

Mr. RANDOLPH. Mr. President, presently pending before the Senate are amendments to S. 1528, the Safe Drinking Water Act Amendments of 1977.

The original version of this bill, approved by the Senate in May, extended through fiscal year 1978 the authorization for the safe drinking water program, which is administered by the Environmental Protection Agency. In July the House approved amendments to the Senate bill which provided for a 2-year reauthorization, extended for 2 years the date by which States must assume primary enforcement of the act, and made other substantive changes in the program. In August the Senate made additional changes in S. 1528 before sending it back to the House for approval. These increase the number of supergrade positions available to the EPA, place certain qualifications on the act's underground injection control program, and provide $10 million for safe drinking water research.

Consultations held by the Senate Committee on Environment and Public Works with the House Committee on Interstate and Foreign Commerce and the administration indicate that further clarifications in S. 1528 are required. The measure now before the Senate contains these modifications and has been approved by the House. In addition, this legislation is being used to enact technical changes in the Clean Air Act amendments (Public Law 95-95).

I briefly discuss these changes in the previously adopted version of the Safe Drinking Water Act.

Senate debate CR 11-1-77

S. 1528, as passed by the Senate in August, allocated to the Environmental Protection Agency a total of 150 supergrade positions, which could be exempted from ceilings imposed by civil service laws and regulations. The provision was intended to augment the Agency's cadre of senior management and scientific personnel—substantially smaller in proportion to Agency size than that of other Federal agencies which carry out similar regulatory functions.

There has been consultation on this matter with the EPA, the Office of Management and Budget, the Civil Service Commission, and the House Committee on Post Office and Civil Service. The Senate Environment and Public Works Committee and the House Commerce Committee have agreed to authorize a total of 80 new positions. Fifty of these will be provided by increasing the Government-wide quota on supergrades contained in 5 U.S.C. 5108(a), and the Civil Service Commission has agreed that EPA will have first priority on assignment of these positions. Thirty additional supergrade positions will be provided directly to EPA and will be exempt from civil service laws and regulations.

The second amendment relates to the underground injection control (UIC) program under the Safe Drinking Water Act. In August the Senate approved language which directs the Administrator to avoid issuing UIC regulations which unnecessarily duplicate or disrupt existing State programs. This language was prompted by a concern over the effects of these requirements on the exploration for, and development of, oil and natural gas.

The amendments before the Senate clarify when a regulation would be unnecessarily disruptive or duplicative. According to the language approved by the Environment and Public Works Committee, a regulation would be disruptive only if it would be infeasible to comply with both the regulation and the State UIC program. Furthermore, a regulation would be deemed duplicative only if, without such regulation, underground sources of drinking water will not be endangered by any underground injection. Mr. President, these additions will insure protection of the public health without unduly disrupting existing State UIC programs or the national energy effort.

A third amendment, recommended by the National Academy of Sciences and the House Commerce Committee Subcommittee on Oversight and Investigations, authorizes the Administrator to require public water systems to monitor for sodium and other unregulated contaminants and to notify their customers concerning the level of this contaminant in their drinking water. The intent of the provision is to insure that medically sensitive groups, such as heart patients, are able to avoid drinking water which may be harmful to them, but not to the general public. The Environmental Protection Agency currently recommends that States require monitoring for sodium, but it has no statutory authority for making this recommendation mandatory.

Finally, in August the Senate approved an authorization of $16 million for research and development activities under the Safe Drinking Water Act. However, that authorization has been included in the conference report on H.R. 5101, the Environmental Research, Development, and Demonstration Act of 1977, approved by the Senate on October 20—and has, therefore, been deleted from S. 1528.

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my colleagues across the aisle in formulating the components of the amendment. I appreciate their counsel and assistance.

As I stated on the floor of the House in July when we first considered this bill, it would extend authorities for several existing programs that are essential to assure the provision of safe drinking water for the citizens of this country. The bill also directs the Administrator of the Environmental Protection Agency to study alternative methods to provide and pay for safe drinking water and to study the effect of PCB's trihalomethanes, and other toxic substances on sources of drinking water. These studies should supplement, but not delay, current or future control efforts. The bill also would extend the deadline for the attainment of primacy by States that have not done so and would permit States in the process of attaining primacy to receive program grants for public water system supervision programs.

I am offering today an amendment. Two parts of the amendment perfect and correct amendments to the bill passed by the Senate on August 5, 1977. Two other parts of the amendment add new sections to the bill. The remaining part of the amendment is technical in nature.

First, we propose to amend the Senate amendment pertaining to underground injection control programs. [Sec. 1412(b) SDWA] This amendment would carefully define and limit the effect of the Senate amendment on underground injection control regulations. It would provide that the Administrator's underground injection control regulations must, to the extent feasible, avoid promulgation of requirements which would unnecessarily disrupt State underground injection control programs which are in effect and being enforced in a substantial number of States. The amendment clearly defines what would constitute an unnecessary disruption of State programs and retains the basic and overriding requirement that the Administrator assure that underground drinking water sources—present and potential—will not be endangered by underground injection-related activities. This amendment has the support of the American Petroleum Institute and my colleagues on the other side of the aisle.

Second, we propose to amend the Senate amendment which would have authorized the appointment to the Environmental Protection Agency of 150 persons exempted from the civil service laws. Our amendment would reduce this amount to authorize the Administrator to appoint personnel to fill not more than 30 scientific, engineering, professional, legal, and administrative positions within the Environmental Protection Agency; these positions would be exempted from the civil service laws. Additionally, the amendment would expand the civil service pool by 50, from 3,243 to 3,293. This expansion would be earmarked for EPA. This amendment has the approval of the Office of Management and Budget, the Civil Service Commission, the Post Office and Civil Service Committee, and my colleagues on the minority side.

The third facet of the amendment would amend the bill by adding new section 12 which would authorize the Administrator to require periodic assessment and evaluation of unregulated contaminants of drinking water which may require continuous monitoring or regulation. [Sec. 1412(e), 1414(c), 1445(a), (b) SDWA] Presently the act may be read to authorize the Administrator only to require moni-

House debate 11-1-77

Third, the Senate amendment was vague and contained no definition of the terms "unnecessarily disrupt." The House amendment defines these terms explicitly in a way which narrows the impact of the amendment and prevents unnecessary and improper legal challenges to the Administrator's regulations. In specific, the definition of the term "disrupt" in the House amendment limits the prohibition to those national requirements which are so inconsistent with specific requirements being carried out in a number of States that both the national and State requirements cannot be met. If both State and national requirements can be met, even at substantially greater cost, then the national requirements could not be deemed disruptive.

Moreover, the definition of "unnecessary" makes clear that a disruptive national regulation would be prohibited only if it were also "unnecessary". The burden of proof, of course, would be on the State which wished to challenge the regulation as both "disruptive" and "unnecessary" under this provision. Furthermore, this definition is consistent with, and reinforces, the provision contained in section 1421(b)(3)(C) that nothing in the entire section should be construed to override the Administrator's duty to protect underground water from any potential endangerment relating to underground injection.

Finally, the directive nature of this provision is underscored by including the words "to the extent feasible" in new section 1421(b)(3)(B)(i). These words were not included in the Senate amendment.

Studies

The House amendment contains certain provisions directing studies be undertaken under the Act. The Senate amendment contained identical provisions. In this respect, it is important to restate and emphasize the continued importance of two excerpts from the House Commerce Committee's report on this bill pertaining to these studies (*H. Rep. No. 95-338*, May 16, 1977). At page 8, the report emphasizes that these studies should be conducted with the assistance and involvement of public and nonprofit private groups. "One function of the Act should be to increase local, public involvement in recognizing and finding solutions of drinking water problems. This goal can be furthered by the Agency making special efforts to include citizens groups and other non-profit locally-based concerns as recipients of grants or contracts" to plan and execute the studies. This statement of Committee intent is underlined and supported by the recent recommendation of the National Academy of Science that "EPA's current means of awarding grants and contracts should be used to a greater extent to solicit or sponsor citizen group research and public education relevant to regulatory issues." (NAS, Perspectives on Technical Information for Environmental Protection Vol. 1, (1977), p. 49).

The House Committee report also explains that these studies are not meant to delay or otherwise affect regulatory or enforcement actions by EPA. Much too much delay has resulted already and these studies should supplement, rather than supplant, effective regulatory action.

Monitoring unregulated pollutants

While this provision is specifically intended for application in the case of sodium, where heart patients need to be aware of the sodium content of water for dietary purpose, the amendment is not limited by its terms or intent to that single pollutant. Furthermore, nothing in this amendment should be construed to alter pre-existing public notice requirements for regulated contaminants.

Supergrade amendment

Section 11 is a revision of the Senate amendment which would have provided the Administrator of EPA with special authority to appoint 160 additional personnel in the Agency. There have been extensive discussions and negotiations between the Civil Service Commission, OMB, and the Agency to determine the most critical needs for additional personnel and the most effective way of providing appointment authorities to meet those needs. The supergrade amendment is the result of those discussions.

It provides for an increase of 50 positions in the government-wide pool of GS-16, 17 and 18 positions allocated to the Executive branch agencies by the Civil Service Commission with the understanding that this increase will be allocated

to EPA. In addition, the amendment provides the Administrator with authority to appoint 30 scientific, engineering, professional, legal and administrative personnel without regard to the competitive appointment and pay provisions of title 5, United States Code.

The Administrator may pay such personnel up to the maximum rate payable for GS-18 (currently $47,500). The combination of these two authorities provides EPA with 80 additional supergrade and equivalent positions. The Post Office and Civil Service Committee concurs in this amendment.

* * * * * * *

[Material pertaining to Clean Air Act technical and conforming amendments has been omitted.]

Mr. JOHNSON of Colorado. Mr. Speaker, will the gentleman yield?

Mr. ROGERS. I yield to the gentleman from Colorado.

Mr. JOHNSON of Colorado. I thank the gentleman for yielding.

It is my understanding that the amendment relating to the water recycling program has been stricken from this bill; is that correct?

Mr. ROGERS. It is not in here because it is in the other bill. The gentleman is correct.

Mr. JOHNSON of Colorado. It was not the intention of the managers to eliminate this because of a feeling that it should not be there but because it was included somewhere else for the EPA?

Mr. ROGERS. The gentleman is entirely correct.

Mr. JOHNSON of Colorado. I thank the gentleman.

Mr. ROGERS. Mr. Speaker, I reserve the remainder of my time.

Mr. CARTER. Mr. Speaker, I support this legislation. I think the chairman has explained it quite well.

Mr. Speaker, I support this legislation, the safe drinking water amendments, as modified by the House amendment to the Senate passed bill—S. 1528.

Mr. Speaker, most of the provisions in this measure have already been approved by the House when it passed H.R. 6527 by voice vote on July 12, of this year.

The new provisions, which I support, include the following:

A provision to strike the Senate amendment authorizing $10 million for research and development, because the EPA research and development conference bill already contains an identical authorization.

Provisions to clarify and amplify the intent of the Senate amendment on underground injection control programs to avoid unnecessary disruption of State underground injection control programs.

A provision which reduces the number of additional personnel for EPA from 150 to 80.

Authority for the Administrator of EPA to require periodic assessment and evaluation of unregulated contaminants which may require continuous monitoring or regulation, such as sodium.

Technical and conforming amendments to the Clean Air Act.

And an amendment to section 9 of the House-passed bill which authorizes emergency assistance. The amendment would not change the basic thrust of this authority, but would permit the Administrator to carry it out in conjunction with any other emergency program for environmental assistance. Moreover, the amendment states that—

No limitation on appropriations for any such other program shall apply to amounts appropriated under this subparagraph.

Summary + Statement of Intent
CR. 11-1-77

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ADMINISTRATIVELY DETERMINED (AD)

Authority

Under provisions of the Safe Drinking Water Amendments of 1977 (Public Law 95-190, November 16, 1977), the EPA Administrator has the authority to fill 30 scientific, engineering, professional, legal, or administrative positions without regard to the civil service laws. These appointments allow the Administrator the flexibility of appointing individuals to positions equivalent to the GS-15 grade level and below pursuant to Section 11(b) of the Safe Drinking Water Amendments. No interaction or approval with OPM is required. The agency independently establishes positions, makes qualifications determinations and effects appointment.

Pay

The AD authority is an ungraded system, consisting of any pay rate not in excess of the maximum salary rate payable for the GS-15 step 10 level. When comparability increases are granted to other GS employees, the Administrator normally reviews existing AD pay rates and determines whether or not to adjust them as well. Such adjustments can be made across the board or on an individual basis.

Benefits

AD employees are entitled to the same benefits as competitive service employees: Annual and sick leave; health, life insurance coverage, and retirement.

Awards

Non-temporary AD employees are entitled to Time Off (TOA) and monetary awards (Q award, S award, On-The-Spot award, or Team award). These awards will be processed in accordance with the same guidance as provided for General Schedule employees.
NOTE: Monetary awards for AD employees are on "freeze" per a memorandum from the White House dated August 3, 2010. They will remain on freeze until further notice.

Performs

AD employees are covered by the Agency's PERFORMS plan.
AD employees should have performance agreements in place (based upon the Statement of Work) and evaluated accordingly.

Details

AD employees can be detailed to other excepted service positions.

AD's as Supervisors	AD appointees may supervise employees who occupy competitive service of SES positions (both General and Career Reserved).
Reassignment and Promotion	AD employees may be assigned to various capacities as the Administrator determines necessary. Thus, each reassignment action must be accompanied by a signed memorandum from the Administrator and Statement of Work. Because AD employees are not in "graded" (GS) positions, they cannot be promoted; however, their pay may be adjusted at the request and approval of the Administrator. Employees in AD positions must be able to qualify for the position's classification series and the level of work and responsibilities to be performed in accordance with the Office of Personnel Management's qualifications policies and standards. Example: In order to qualify for a position that has duties and responsibilities determined to be classifiable at the grade 11, the employee must have a least one year of specialized/directly related work experience at the next lower grade (grade 9).
Separations/Removals	AD employees serve at the pleasure of the Administrator and may be separated at any time. They have no appeal rights.

For additional information or questions, please call the Executive Resources Division, Office of Human Resources on 202-564-0400.