Appointment

From: Ross, David P [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=119CD8B52DD14305A84863124AD6D8A6-ROSS, DAVID]
Sent: 9/27/2018 1:14:13 PM
To: Ross, David P [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=119cd8b52dd14305a84863124ad6d8a6-Ross, David]; 'Susan Harbin' [sharbin@fl-counties.com]; Smith, Greg [GLSmith@southernco.com]; 'Munson, Gregory' [GMunson@gunster.com]; 'larry.curtin@hklaw.com'; 'Dale Calhoun' [dale.calhoun@floridagas.org]; 'Ryan Matthews' [ryan@peebles-smith.com]; 'Jim Spratt' [jim@magnoliastrategiesllc.com]; 'Dave R. Mica' [Micad@api.org]; Adam Blalock [AdamB@hgslaw.com]; 'David Childs' [DavidC@hgslaw.com]; Fotouhi, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=febaf0d56aab43f8a9174b18218c1182-Fotouhi, Da]; 'FL Recycling' [keyna@flrecycling.org]; 'Cari L. Roth' [CRoth@deanmead.com]; 'larry.sellers@hklaw.com'; 'Lori Killinger' [lkillinger@llw-law.com]; 'Faletto, Jon - FishHawk' [JON.FALETTO@mosaicco.com]; 'adam.basford@ffbf.org'; 'Eric M. Shea [Eric.M.Shea@fpl.com]; 'Jerry Paul' [jpaul@capitolenergy.net]; Goss, Suzanne [GossSE@jea.com]; 'Rebecca O'Hara' [rohara@flcities.com]; 'Chris Emmanuel [cemmanuel@flchamber.com]; 'Holley, John' [John.Holley@fpl.com]; 'Dee Allen' [deedra.allen@mosaicco.com]; Steverson, Jon [jsteverson@foley.com]; 'Butch Calhoun' [butch.calhoun@ffva.com]; 'Noonan, Kevin' [KNoonan@ouc.com]; hvinyard@foley.com; 'Frank Walker' [fwalker@flchamber.com]; 'Robert Coker' [rcoker@ussugar.com]; 'Janet Price' [janet.price@rayonier.com]; 'Rusty Payton' [rpayton@fhba.com]; 'Jeff Littlejohn' [jeff@littlejohnmann.com]; 'Allison Carter' [allison@feca.com]; Cobb, Paula [Paula.Cobb@duke-energy.com]; 'Nancy Stephens' [nancy@nstephens.com]; 'gaston_cantens@floridacrystals.com'; Leopold, Matt (OGC) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4e5cdf09a3924dada6d322c6794cc4fa-Leopold, Ma]; 'Lee Killinger [lee.killinger@mosaicco.com]; 'BBevis@aif.com'; Mohammad Jazil [MohammadJ@hgslaw.com]; 'Ernie Barnett' [barnett@floridawaterandland.com]; 'Emily Duda Buckley' [ebuckley@joneswalker.com]; Simmons, Donna [DSSimmons@tecoenergy.com]; Bigelow, Melanie [Melanie.bigelow@duke-energy.com]; 'Martell, Daniel' [Daniel.Martell@fpl.com]; 'Brammell, William' [William.Brammell@mosaicco.com]; 'David Goodlett' [dgoodlett@SCGC.org]; Forsgren, Lee [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a055d7329d5b470fbaa9920ce1b68a7d-Forsgren, D]; 'William D Hunter' [billh@afcd.com]; 'Hull, Brittney' [BHull@packagingcorp.com]; 'fearington@sostrategy.com'; 'Frank Bernardino' [frank@anfieldflorida.com]; 'Kurt Spitzer' [Kurt.Spitzer@ksanet.net]; 'Adams, Leticia M.' [Leticia.M.Adams@disney.com]; Goodin, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3eac342f280a4b9db4079c81f66d1913-JGoodin]
CC: Turner, Andrew [aturner@hunton.com]; Brewster B. Bevis [BBevis@aif.com]; Basford, Adam [Adam.Basford@ffbf.org]; Kyle Scherer [kyle.scherer@sol.doi.gov]; Emily Ham [emily.ham@westrock.com]; Dale Calhoun [dale@floridagas.org]; Mercer Fearington [fearington@sostrategy.com]; Perez, Fatima [Fatima.Perez@kochps.com]; ryan@psmfl.net; larry_williams@fws.gov; Duncan, Deidre [dduncan@hunton.com]; Charles Hood [charles.hood@rayonieram.com]; pepper@anfieldflorida.com; Penman, Crystal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=93662678a6fd4d4695c3df22cd95935a-Penman, Crystal]

Subject: FL 404 Stakeholder Conference Call Call in Personal Phone / Ex. 6 passcode Personal Phone / Ex. 6
Attachments: Real ID Information.pdf
Location: 1201 Constitution Ave NW, Washington DC 20004 3233 WJCE Please call 202-564-5700 for escort

Start: 9/28/2018 5:00:00 PM
End: 9/28/2018 6:30:00 PM
Show Time As: Busy

I wanted to give you the names of the individuals currently attending the meeting with Mr. Ross on Friday at 1. They are:

David Childs
Adam Blalock
Paula Cobb

Luna Phillips
Jeff Littlejohn
Herschel Vinyard
Andrew Tuner
Brian Levey

Message

From: Josie Torres [jtorres@skeo.com]
Sent: 9/24/2018 9:56:28 PM
To: kohara@nrpa.org; sara.powell@parks.nyc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userbef087a6]; stephan_nofield@nps.gov; shaun.preston@baltimorecity.gov; Jayme.A.Brown@hud.gov; jcarroll@humanim.org; letsinger@quantifiedventures.com; esymmonds@gridalternatives.org; acaldarelli@wef.org; chrisbason@inlandbays.org; Madison Quinn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userc512bb42]; harris.trobman@udc.edu; Eriksen, Stacey [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7acd259e9c5b43a6b727fff6a553b555-Eriksen, Stacey]; Heather.ambrose@fairfaxcounty.gov; jduncker@usgs.gov; mdozier@ag.tamu.edu; Brandon.Sweezea@fema.dhs.gov; btorres@estuario.org; tstanton@me.com [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fa45eafd3f6b403a9ceb72c911b4f96b-tstanton@me]; fbenitez@corazonlatino.us; annmarie@groundworkusa.org; Cardenas, Adele [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b6c9f4e0b07d4370bf40bc5855b980b3-Cardenas, Adele]; everette.bradford@dc.gov; jeffrey.seltzer@dc.gov; Letnes, Amelia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a2e301e74baa47b88945ccc5fbde0f87-Aletnes]; Stephan, Danielle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2105b6e8726944f88f0df62cf18ad829-Stephan, Danielle]; adam.schnieders@dnr.iowa.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user3003b063]; hamid.karimi@dc.gov; Dinorah Dalmasy -MDE- [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user4862ecac]; claire@amigosdelosrios.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ff8f4b93760c4d0d972d85042f540feb-claire@amigosdelosrios.org]; adam.schnieders@dnr.iowa.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user3003b063]; jsguild@annapolis.gov; Jessica@bridgepark.org; tmehan@awwa.org; Michael.Davis@seattle.gov; andy@ccmua.org; brian.vanwye@dc.gov; PMOROUKE@southernco.com; TGrain@lisc.org; AOrtiz@co.pg.md.us; HPettigrew@wacif.org; mgalvin@savatree.com; Mandy Griego [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=useradae5ffb]; AKent@lisc.org; Goodin, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3eac342f280a4b9db4079c81f66d1913-JGoodin]; McDonough, Owen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=10a92c71b552413694fed6fa08522f4f-McDonough,]; Ryan_nichols@ios.doi.gov; Tejada, Matthew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6559971c9dcd4c689ca6ec6b2a8cb0ee-Tejada, Matthew]; Bolen, Brittany [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=31e872a691114372b5a6a88482a66e48-Bolen, Brit]; JLWhite-Newsome@kresge.org; melissa.a.mccann@asu.edu; dtoledo@rivernetwork.org; jill@heartlandconservationalliance.org; Jody.Olson@nfwf.org; srheacock@gmail.com; jennifer.lee@psp.wa.gov; egh@anacostiatrust.org; justin_yee@nps.gov; Simon, Roy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6cd6ce5f749a46f9a1768857ea08d860-rsimon]; Benson, Bob [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ccd3c8d2700447d2a9cc695b9a73340a-Benson, Bob]
Subject: 2018 National Urban Waters Workshop Attendee Reminders

Dear National Urban Waters Workshop Attendees:

Thank you for registering for the 2018 Urban Waters National Training Workshop! In case you did not register yet, here is the website: https://2018-urban-waters-national-training-workshop.eventbrite.com

To assist you with coming to the Workshop, please consider the following key logistic details:

Registration and Hotel Information:

Registration through Eventbrite ends on October 10th at 5:00 PM EDT. On-site registration will take place on the first day of the workshop, October 17th, 2018, starting at 11:30 AM.

A room block is available at the JW Marriott Washington, DC, located at 1331 Pennsylvania Avenue NW, Washington, DC 20004-1710. Please call Marriott Reservations at 1-800-228-9290 or 202-393-2000 on or before Tuesday, September 25, 2018 to make sleeping room reservations. Please identify yourself as part of the EPA 2018 Urban Waters National Training Workshop (you can also reference CSRA/General Dynamic Information Technology group). Reservations for all guests must be received on or before Tuesday, September 25, 2018.

Room block reservations can also be made using this Passkey site link: https://book.passkey.com/e/49771935

Help Us Manage Breakout Sessions:

- Please take a couple of minutes to let us know what breakout sessions you are interested in attending. This is not a pre-registration, it is simply helping us manage our space and headcounts.
- You can review the agenda at http://www.skeo.com/wp-content/uploads/2018/09/UW-NTW-2018-Full-Agenda-DRAFT-FINAL.pdf and select which breakout sessions you are interested in attending.
- Fill out our survey at https://www.surveymonkey.com/r/F85FYBY.

Bring Snacks and Maybe Your Lunch to the Workshop:

- You can bring your own snacks and coffee if you want in the mornings or afternoon
- Lunch will not be provided, but some snacks will be available all three days.
- Water will be available.
- Coffee will only be available on Thursday and Friday mornings.
- There is a Snack Bar in the building, but it is small, and you will need to be escorted to the room.

Send US Your Documents for the Record of the Workshop:

The workshop provides a great opportunity to share information and resources with each other. If you have documents, case studies, links to programs, online tools, etc. that you would like to share.

If you are a speaker, submit document links to your session facilitator.

If you are not speaking, please submit those links to documents to urbanwaters@skeo.com,

This information will be posted on a website after the Workshop.

Arrive Early to Security at the EPA East Building:

- EPA East Entrance is near 12th and Constitution Avenue, NW, across the street from the American History Museum entrance.
- Arrive at least 1 hour early before the start of the Workshop each day -- Wednesday afternoon and Thursday and Friday morning. It will take time to go through security and be escorted to the room.
    - Wednesday, be at EPA entrance by noon or before
    - Thursday, be at the EPA entrance 7:30 am or before
    - Friday, be at the EPA entrance at 7:30 am or before

No longer able to attend?

Please contact urbanwaters@skeo.com or cancel your reservation through Eventbrite.

We look forward to seeing you next month at the 2018 Urban Waters National Training Workshop!

Sincerely,

2018 Urban Waters National Training Workshop Team

Message

From: Julia Anastasio [janastasio@acwa-us.org]
Sent: 1/2/2019 5:38:16 PM
To: Bowles, Jack [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=78e63acc248f41328768db82d95464c3-JBOWLES]
CC: Hanson, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=976b280c3eaf4e50b91a25d75466cf3c-Hanson, Andrew]; Julie Ufner (jufner@naco.org) [jufner@naco.org]; Zachary George [ZGeorge@naco.org]; Carolyn Berndt [Berndt@nlc.org]; Judy Sheahan [jsheahan@usmayors.org]; randerson@usmayors.org; JACK PETERSON [Ex. 6] Schaefer, Alex [ASchaefer@NGA.ORG]; asnowden@icma.org; jimo@tfgnet.com; mlimbaugh@tfgnet.com; wscott@westgov.org; Andy Karellas [akarellas@csg.org]; Devashree Saha [dsaha@csg.org]; twillardson@wswc.utah.gov; chanson@ecos.org; Layne Piper [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user6c2debba]; nohlhausen@nga.org; Ben Husch [ben.husch@ncsl.org]; Kristen Hildreth [Kristen.Hildreth@ncsl.org]; Sean Rolland [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user9945af50]; akrantz@nacwa.org; britt@nasda.org; nathan@nasda.org; Andrea Eales [aeales@APWA.NET]; sgarcia@apwa.net; jeanne.christie@aswm.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6db6df42b2854b71b15c72ccff5f25e3-jeanne.christie@aswm.org]; Julian Gonzalez [jgonzalez@acwa-us.org]; Britt Aasmundstad [britt.aasmundstad@nasda.org]; Richardson, RobinH [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2fa5c9eb65dc497c81a8dc9ccdb1ffa7-Richardson, RobinH]; Eisenberg, Mindy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cfb4c26bb6f44c7db69f9884628b3ef9-Eisenberg, Mindy]; Goodin, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3eac342f280a4b9db4079c81f66d1913-JGoodin]; Christensen, Damaris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e04107c23c1043d6967754064c477a29-Christensen, Damaris]
Subject: Re: WOTUS Intergovernmental Update and Discussion

Thanks jack.

Sent from my iPhone

On Jan 2, 2019, at 7:13 AM, Bowles, Jack <Bowles.Jack@epa.gov> wrote:

> Happy New Year Everyone –
>
> We want to make sure you are aware that if the government shutdown continues into next Tuesday, January 8, this meeting will be cancelled. You are receiving this email as part of my shutdown protocol, and may not receive any further communications regarding this meeting if the shutdown does continue through January 8, as EPA staff are not authorized to conduct government business except in very limited circumstances.
>
> Best Regards,
>
> Jack Bowles
> Director of State & Local Relations
> U.S. Environmental Protection Agency
> 202-564-3657 (office) | Ex. 6 (mobile)
>
> -----Original Appointment-----
> **From:** Hanson, Andrew

Sent: Wednesday, December 26, 2018 5:44 PM
To: Hanson, Andrew; Julie Ufner (jufner@naco.org); Zachary George; 'Carolyn Berndt'; 'Judy Sheahan'; 'randerson@usmayors.org'; 'JACK PETERSON'; 'Schaefer, Alex'; 'asnowden@icma.org'; 'jimo@tfgnet.com'; 'mlimbaugh@tfgnet.com'; 'wscott@westgov.org'; 'Andy Karellas'; 'Devashree Saha'; 'twillardson@wswc.utah.gov'; 'chanson@ecos.org'; 'lpiper@ecos.org'; 'nohlhausen@nga.org'; 'Ben Husch'; Kristen Hildreth; 'janastasio@acwa-us.org'; 'srolland@acwa-us.org'; 'akrantz@nacwa.org'; 'britt@nasda.org'; 'nathan@nasda.org'; 'Andrea Eales'; 'sgarcia@apwa.net'; jeanne.christie@aswm.org
Cc: Julian Gonzalez; Britt Aasmundstad; Bowles, Jack
Subject: Fwd: WOTUS Intergovernmental Update and Discussion
When: Tuesday, January 08, 2019 2:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: EPA Headquarters, WJ Clinton NORTH Building, Room 5530

Sent from my iPhone

Begin forwarded message:

> **From:** "Hanson, Andrew" <Hanson.Andrew@epa.gov>
> **To:** "Julie Ufner (jufner@naco.org)" <jufner@naco.org>, "Zachary George" <ZGeorge@naco.org>, "'Carolyn Berndt'" <Berndt@nlc.org>, "'Judy Sheahan'" <jsheahan@usmayors.org>, "'randerson@usmayors.org'" <randerson@usmayors.org>, "'JACK PETERSON'" <Ex. 6> "'Schaefer, Alex'" <ASchaefer@NGA.ORG>, "'asnowden@icma.org'" <asnowden@icma.org>, "'jimo@tfgnet.com'" <jimo@tfgnet.com>, "'mlimbaugh@tfgnet.com'" <mlimbaugh@tfgnet.com>, "'wscott@westgov.org'" <wscott@westgov.org>, "'Andy Karellas'" <akarellas@csg.org>, "'Devashree Saha'" <dsaha@csg.org>, "'twillardson@wswc.utah.gov'" <twillardson@wswc.utah.gov>, "'chanson@ecos.org'" <chanson@ecos.org>, "'lpiper@ecos.org'" <lpiper@ecos.org>, "'nohlhausen@nga.org'" <nohlhausen@nga.org>, "'Ben Husch'" <ben.husch@ncsl.org>, "Kristen Hildreth" <Kristen.Hildreth@ncsl.org>, "'janastasio@acwa-us.org'" <janastasio@acwa-us.org>, "'srolland@acwa-us.org'" <srolland@acwa-us.org>, "'akrantz@nacwa.org'" <akrantz@nacwa.org>, "'britt@nasda.org'" <britt@nasda.org>, "'nathan@nasda.org'" <nathan@nasda.org>, "'Andrea Eales'" <aeales@APWA.NET>, "'sgarcia@apwa.net'" <sgarcia@apwa.net>, "jeanne.christie@aswm.org" <jeanne.christie@aswm.org>
> **Subject: WOTUS Intergovernmental Update and Discussion**

WHAT: Waters of the United States Proposed Rule – Intergovernmental Update and Discussion

WHEN: Tuesday, January 8, 2019
2:00 p.m. – 3:30 p.m.

WHERE: WJ Clinton NORTH Building, Room 5530
Use the entrance next to the Federal Triangle Metro escalator, and plan to allow time to get through building security.

Please RSVP via this scheduler. Happy holidays, and we look forward to seeing you here at EPA HQ on January 8!

Message

From: Bowles, Jack [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=78E63ACC248F41328768DB82D95464C3-JBOWLES]
Sent: 1/2/2019 5:13:27 PM
To: Hanson, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=976b280c3eaf4e50b91a25d75466cf3c-Hanson, Andrew]; Julie Ufner (jufner@naco.org) [jufner@naco.org]; Zachary George [ZGeorge@naco.org]; 'Carolyn Berndt' [Berndt@nlc.org]; 'Judy Sheahan' [jsheahan@usmayors.org]; 'randerson@usmayors.org' [randerson@usmayors.org]; 'JACK PETERSON' Ex. 6 'Schaefer, Alex' [ASchaefer@NGA.ORG]; 'asnowden@icma.org' [asnowden@icma.org]; 'jimo@tfgnet.com' [jimo@tfgnet.com]; 'mlimbaugh@tfgnet.com' [mlimbaugh@tfgnet.com]; 'wscott@westgov.org' [wscott@westgov.org]; 'Andy Karellas' [akarellas@csg.org]; 'Devashree Saha' [dsaha@csg.org]; 'twillardson@wswc.utah.gov' [twillardson@wswc.utah.gov]; 'chanson@ecos.org' [chanson@ecos.org]; Layne Piper [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user6c2debba]; 'nohlhausen@nga.org' [nohlhausen@nga.org]; 'Ben Husch' [ben.husch@ncsl.org]; Kristen Hildreth [Kristen.Hildreth@ncsl.org]; Julia Anastasio [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user20bb0324]; Sean Rolland [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user9945af50]; 'akrantz@nacwa.org' [akrantz@nacwa.org]; 'britt@nasda.org' [britt@nasda.org]; 'nathan@nasda.org' [nathan@nasda.org]; 'Andrea Eales' [aeales@APWA.NET]; 'sgarcia@apwa.net' [sgarcia@apwa.net]; jeanne.christie@aswm.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6db6df42b2854b71b15c72ccff5f25e3-jeanne.christie@aswm.org]
CC: Julian Gonzalez [jgonzalez@acwa-us.org]; Britt Aasmundstad [britt.aasmundstad@nasda.org]; Richardson, RobinH [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2fa5c9eb65dc497c81a8dc9ccdb1ffa7-Richardson, RobinH]; Eisenberg, Mindy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cfb4c26bb6f44c7db69f9884628b3ef9-Eisenberg, Mindy]; Goodin, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3eac342f280a4b9db4079c81f66d1913-JGoodin]; Christensen, Damaris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e04107c23c1043d6967754064c477a29-Christensen, Damaris]
Subject: RE: WOTUS Intergovernmental Update and Discussion

Happy New Year Everyone –

We want to make sure you are aware that if the government shutdown continues into next Tuesday, January 8, this meeting will be cancelled. You are receiving this email as part of my shutdown protocol, and may not receive any further communications regarding this meeting if the shutdown does continue through January 8, as EPA staff are not authorized to conduct government business except in very limited circumstances.

Best Regards,

Jack Bowles
Director of State & Local Relations
U.S. Environmental Protection Agency
202-564-3657 (office) Ex. 6 (mobile)

-----Original Appointment-----
From: Hanson, Andrew
Sent: Wednesday, December 26, 2018 5:44 PM
To: Hanson, Andrew; Julie Ufner (jufner@naco.org); Zachary George; 'Carolyn Berndt'; 'Judy Sheahan'; 'randerson@usmayors.org'; 'JACK PETERSON'; 'Schaefer, Alex'; 'asnowden@icma.org'; 'jimo@tfgnet.com'; 'mlimbaugh@tfgnet.com'; 'wscott@westgov.org'; 'Andy Karellas'; 'Devashree Saha'; 'twillardson@wswc.utah.gov';

'chanson@ecos.org'; 'lpiper@ecos.org'; 'nohlhausen@nga.org'; 'Ben Husch'; Kristen Hildreth; 'janastasio@acwa-us.org'; 'srolland@acwa-us.org'; 'akrantz@nacwa.org'; 'britt@nasda.org'; 'nathan@nasda.org'; 'Andrea Eales'; 'sgarcia@apwa.net'; jeanne.christie@aswm.org
Cc: Julian Gonzalez; Britt Aasmundstad; Bowles, Jack
Subject: Fwd: WOTUS Intergovernmental Update and Discussion
When: Tuesday, January 08, 2019 2:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: EPA Headquarters, WJ Clinton NORTH Building, Room 5530

Sent from my iPhone

Begin forwarded message:

From: "Hanson, Andrew" <Hanson.Andrew@epa.gov>
To: "Julie Ufner (jufner@naco.org)" <jufner@naco.org>, "Zachary George" <ZGeorge@naco.org>, "'Carolyn Berndt'" <Berndt@nlc.org>, "'Judy Sheahan'" <jsheahan@usmayors.org>, "'randerson@usmayors.org'" <randerson@usmayors.org>, "'JACK PETERSON'" <Ex. 6>, "'Schaefer, Alex'" <ASchaefer@NGA.ORG>, "'asnowden@icma.org'" <asnowden@icma.org>, "'jimo@tfgnet.com'" <jimo@tfgnet.com>, "'mlimbaugh@tfgnet.com'" <mlimbaugh@tfgnet.com>, "'wscott@westgov.org'" <wscott@westgov.org>, "'Andy Karellas'" <akarellas@csg.org>, "'Devashree Saha'" <dsaha@csg.org>, "'twillardson@wswc.utah.gov'" <twillardson@wswc.utah.gov>, "'chanson@ecos.org'" <chanson@ecos.org>, "'lpiper@ecos.org'" <lpiper@ecos.org>, "'nohlhausen@nga.org'" <nohlhausen@nga.org>, "'Ben Husch'" <ben.husch@ncsl.org>, "Kristen Hildreth" <Kristen.Hildreth@ncsl.org>, "'janastasio@acwa-us.org'" <janastasio@acwa-us.org>, "'srolland@acwa-us.org'" <srolland@acwa-us.org>, "'akrantz@nacwa.org'" <akrantz@nacwa.org>, "'britt@nasda.org'" <britt@nasda.org>, "'nathan@nasda.org'" <nathan@nasda.org>, "'Andrea Eales'" <aeales@APWA.NET>, "'sgarcia@apwa.net'" <sgarcia@apwa.net>, "jeanne.christie@aswm.org" <jeanne.christie@aswm.org>
Subject: WOTUS Intergovernmental Update and Discussion

WHAT: Waters of the United States Proposed Rule – Intergovernmental Update and Discussion

WHEN: Tuesday, January 8, 2019
2:00 p.m. – 3:30 p.m.

WHERE: WJ Clinton NORTH Building, Room 5530
Use the entrance next to the Federal Triangle Metro escalator, and plan to allow time to get through building security.

Please RSVP via this scheduler. Happy holidays, and we look forward to seeing you here at EPA HQ on January 8!

Message

From: Schetrompf, Gary [gary_schetrompf@fws.gov]
Sent: 2/22/2017 2:13:05 PM
To: Kravitz, Christina [christina_kravitz@fws.gov]; Leal, James [jleal@blm.gov]; Snyder, David [dsnyder@usbr.gov]; Adam Smith [adam_smith@fws.gov]; ahaspiel@fs.fed.us; ahennessey@esatoday.com; Amy Horstman [Amy_Horstman@fws.gov]; Ana Roman [Ana_Roman@fws.gov]; apoling@kci.com; bfairley@stantec.com; Bill Bouthillier [bill_bouthillier@fws.gov]; Bill Poytress [bill_poytress@fws.gov]; Bill Schultz [bill_schultz@fws.gov]; Bill Tate [bill_tate@fws.gov]; bnoll@wbcm.com; Donald Progulske [bob_progulske@fws.gov]; breeves@kci.com; Brenda Willis [brenda.willis@vdot.virginia.gov]; brent.brown@ch2m.com; Brian Marsh [brian_marsh@fws.gov]; Brian Peck [Brian_Peck@fws.gov]; Bridgette Tuerler [bridgette_tuerler@fws.gov]; brittoneng@wirefire.com; cal@goh-inc.com; CalLee Davenport [callee_davenport@fws.gov]; Carolyn Kolstad [carolyn_kolstad@fws.gov]; cdaves@smeinc.com; Chad Mellison [chad_mellison@fws.gov]; Cheryl Kaye [Cheryl_Kaye@fws.gov]; Christiana Manville [christiana_manville@fws.gov]; Conor Shea [conor_shea@fws.gov]; 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Subject: National Conservation Training Center (NCTC) Stream Assessment and Restoration related courses for FY2017.....Additional Courses added [WARNING: DKIM validation failed]

The USFWS National Conservation Training Center (NCTC) will be offering the following Stream Assessment and Restoration related courses for FY2017. For more information on a course, or to register, please follow the link provided. Space is limited and these courses are scheduled only once per year so please enroll early.**All of the courses listed have been loaded into DOILearn at this time so you may register at any time**.

We have added a few additional courses since my last marketing email and there is still room in a couple of courses advertised previously. If you have any questions, please don't hesitate contacting me or the course contact listed with the particular course.

****

NOTE: Additional course added

CSP3200 Stream Habitat Measurement Techniques, April 3-7, 2017, NCTC, Shepherdstown, WV

***NOTE: This course is a pre-requisite to the CSP3210 Applied Fluvial Geomorphology-Level 1 course. This requirement can be waived on a case-by-case basis. This requirement applies only to FWS employees.**

http://training.fws.gov/nctcweb/catalog/CourseDetail.aspx?CourseCodeLong=FWS-CSP3200

Course Description: The purpose of this course is to provide the knowledge and skills required to participate in studies assessing physical habitat characteristics of streams. Techniques learned may be applied to a variety of programs including in-stream flow (e.g., IFIM), monitoring, restoration, habitat quality (e.g., HEP), and fish-habitat relationship studies. Attributes characterized, measured, or identified include stream regional setting (ecoregion, watershed, hydrologic unit, and physiographic province), basin geomorphic properties, land cover types, hydrology, channel dimensions and roughness, channel structure and pattern, mesohabitat types, discharge, velocity, depth, substrate type and embeddedness, cover, bank condition, and riparian vegetation. Discussions and exercises will address additional topics as site selection, transect and sampling point placement, and reach mapping (cross-sectional, longitudinal, and plan views). From stream reach surveys, participants will complete a comprehensive written habitat assessment and classification for a nearby reach. Participants also will learn to operate equipment used to survey and measure habitat variables.

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NOTE: Recently added course

CSP2221 Macroinvertebrate Ecology and Identification

https://nctc.fws.gov/NCTCWeb/catalog/CourseDetail.aspx?CourseCodeLong=FWS-CSP2221

Course Description: The 'Hands-On', field and lab intensive courses covers the ecology of North American freshwater macroinvertebrates as well as sampling and indentififcation techniques. The goal is to develop participant knowledge of macroinvertebrate ecology and identification skills. Each day, ecological principles will be discurssed in the mroning followed by afternoon collecting execises in local streams and ponds. Collected macroinvertebrates will be identified to family level (some to genus level) back at the lab. Each participant will form an individual reference collection for her or his continued use after course completion. **For a macroinvertebrate key, go to Macroinvertebrate Key Online from NY DEC.**

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CSP3130 Advanced Plant Identification: Grasses, Sedges, Rushes and Composites, May 22 - 26, 2017, Moss Point, MS

http://nctc.fws.gov/nctcweb/catalog/CourseDetail.aspx?CourseCodeLong=FWS-CSP3130

Course Description: This inter-agency course is designed to improve the ability of field staff to identify specific groups of wetland plants using botanical manuals and other flora. Lectures discuss morphology, terminology and identification. Participants collect representative plants in the field and, back in the classroom, log them in using directed and individual keying exercises. The course is taught by instructors from the Fish and Wildlife Service, Natural Resources Conservation Service and the Corps of Engineers.

NOTE: There is no prerequisite to attend this course.

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NOTE: This is a newly developed course

Wetland Assessment, Restoration and Management, June 19 - 23, 2017, Willows, CA

https://nctc.fws.gov/NCTCWeb/catalog/CourseDetail.aspx?CourseCodeLong=FWS-CSP3106

Course Description: Participants will assess degraded wetlands for restoration potential, develop and implement restoration plans and develop management plans for the specified wetland objectives. Through lectures, field work and group activities the course will emphasize wetland ecology, wildlife needs, enhancement of wetland functions, conceptual design and implementation processes, structural and vegetative restoration practices, permitting requirements, control of nuisance and invasive species and other management considerations. Course location will be selected to emphasize the following wetland types: bottomland hardwoods, prairie potholes and other depressional systems, riverine and managed seasonal wetlands.

This course will deal primarily with
managed seasonal wetlands.

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NOTE: This is a newly developed course

Wetland Assessment, Restoration and Management, August 21 - 25, 2017, Alexandria Bay, NY

https://nctc.fws.gov/NCTCWeb/catalog/CourseDetail.aspx?CourseCodeLong=FWS-CSP3106

Course Description: Participants will assess degraded wetlands for restoration potential, develop and implement restorationplans and develop management plans for the specified wetland objectives. Through lectures, field work and group activities the course will emphasize wetland ecology, wildlife needs, enhancement of wetland functions, conceptual design and implementation processes, structural and vegetative restoration practices, permitting requirements, control of nuisance and invasive species and other management considerations. Course location will be selected to emphasize the following wetland types: bottomland hardwoods, prairie potholes and other depressional systems, riverine and managed seasonal wetlands. **This course will deal primarily with the restoration of riverine systems.**

****

How to apply:

Use the link provided with the course description above, just select "Register" at the bottom of the page and it will take you to the DOILearn system login page. **Unlike previous years, we will require all participants to register online instead of using the PDF Student Application used in previous years.** If non-DOI folks are trying to register **and have never taken classes or been affiliated with the Department of Interior in the past** -- they will need to select, Request a new account. on the DOILearn login page.

To search for other courses NCTC is conducting please visit our website at http://training.fws.gov/ click **Course Catalog,** then select *Log In to DOI LEARN - for DOI employees, contractors and volunteers with previously established accounts. For more information on how to register for NCTC courses, click the How to Register link under TrainingResources.

Questions: Please contact Gary L. Schetrompf, Gary_Schetrompf@fws.gov, NCTC Conservation Science and Policy Branch, at 304/876-7255

Please feel free to forward this announcement to anyone you feel would benefit from any of these training course.

I apologize for any duplicate emails.

Gary L. Schetrompf
Course Leader
US Fish and Wildlife Service
National Conservation Training Center
698 Conservation Way
Shepherdstown, WV 25443
Phone: 304-876-7255
Personal Phone / Ex. 6
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http://nctc.fws.gov

Message

From: Schetrompf, Gary [gary_schetrompf@fws.gov]
Sent: 7/27/2017 12:22:27 PM
To: Boyle, Maxwell [maxwell_boyle@fws.gov]; Brewer, Wendy S -FS [wendysbrewer@fs.fed.us]; Bryan, David A - NRCS, Hanover, VA [davi
[mary.bushman@portlandoregon.gov]; Carpenter, Brandon - NRCS, St Johnsbury, VT [brandon.carpenter@vt.usda.gov]; Casey Seelig (
Chillicothe, OH [brian.cooley@oh.usda.gov]; Crabill, Trisha [trisha_crabill@fws.gov]; Craig, Scott [scott_craig@fws.gov]; Crespo, Zenik
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Bill [wpark@gpinet.com]; Peters, Andrew [andrew_peters@fws.gov]; Pfost, Mark [mark_pfost@fws.gov]; Phillips, Douglas [douglas_p
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(FYDIBOHF23SPDLT)/cn=Recipients/cn=67cecf1845bd4d109317a4e9f42d8479-Johnson, Brent]; brent.brown@ch2m.com; Brett Galye
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[jsmith@sagecivilengineering.com]; Jeff Graves [jeff_r_graves@fws.gov]; Jeff Weller [Jeff_Weller@fws.gov]; jeff.butler@vdot.virginia.
Krstolic [jkrstoli@usgs.gov]; Bennett, Jeremy - NRCS, Morgantown, WV [jeremy.bennett@wv.usda.gov]; Jeromy Applegate [jeromy_ap

Subject NCTC Training Announcement for CSP3275 Functional Framework for Stream Assessment and Restoration, October 24 - 27, 2017
:

The USFWS National Conservation Training Center (NCTC) will be offering the **CSP3275 Functional Framework for Stream Assessment and Restoration course, October 24 - 27, 2017, Shepherdstown, WV**

Course Description: This course offers a framework for assessing stream functions to individuals involved in stream assessment and restoration/mitigation projects. The framework can be used for pre- and post- restoration conditions on restoration/mitigation sites. The framework can also be used on streams not associated with restoration activities, like a proposed impact site. In this case, the assessment would establish baseline conditions or a description of functions that may be lost due to the permitted impact. In addition to providing functional assessment techniques, this course also provides suggested performance standards where possible and may be used as a template for IRTs when developing stream assessment protocols and performance standards for their stream mitigation Standard Operating Procedures (SOP). A combination of lecture, field sessions, and classroom exercises will provide practical experiences in evaluating stream functions as related to assessment and restoration/mitigation projects.

For more information on a course, or to register, please follow the link below. Space is limited and this course is scheduled only once every other year, so please enroll early.

https://training.fws.gov/NCTCWeb/catalog/CourseDetail.aspx?CourseCodeLong=FWS-CSP3275

To Register: FWS/NPS/BLM employees may register online at http://training.fws.gov using DOILearn, the Department of the Interior's Learning Management System. All others must register directly with Stream Mechanics at www.stream-mechanics.com

To search for other courses NCTC is conducting please visit our website at http://training.fws.gov/ click **Course Catalog,** then select *Log In to DOI LEARN - for DOI employees, contractors and volunteers with previously established accounts. For more information on how to register for NCTC courses, click the How to Register link under TrainingResources.

Questions: Please contact Gary L. Schetrompf, Gary_Schetrompf@fws.gov, NCTC Conservation Science and Policy Branch, at 304/876-7255

Please feel free to forward this announcement to anyone you feel would benefit from any of these training course.

Gary L. Schetrompf
Course Leader
US Fish and Wildlife Service
National Conservation Training Center
698 Conservation Way
Shepherdstown, WV 25443
Phone: 304-876-7255
Personal Phone / Ex. 6
Fax: 304-876-7262
http://nctc.fws.gov

Message

From: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Sent: 11/27/2018 9:56:39 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: RE: Coffee Thursday morning?

Great. See you then.

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Tuesday, November 27, 2018 4:56 PM
To: Ghanta, Venu G
Subject: RE: Coffee Thursday morning?

Yes…10 is fine

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Tuesday, November 27, 2018 4:55 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Coffee Thursday morning?

Yes, that works. And any way you could do 10 am?

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Tuesday, November 27, 2018 4:41 PM
To: Ghanta, Venu G
Subject: RE: Coffee Thursday morning?

Yup, unless you want to head somewhere else?

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Tuesday, November 27, 2018 4:34 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Coffee Thursday morning?

Peet's on 11th and E, correct? And 10:30 works well…

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Tuesday, November 27, 2018 4:33 PM
To: Ghanta, Venu G
Subject: RE: Coffee Thursday morning?

10:30 at Peet's?

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Tuesday, November 27, 2018 4:17 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Re: Coffee Thursday morning?

That still works on my end. What time is best for you?

On Nov 27, 2018, at 4:06 PM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

I'm free all morning, if you're around

Message

From: Chowning, Amanda [Amanda.Chowning@nreca.coop]
Sent: 12/10/2018 5:07:53 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: Automatic reply: Touching base ahead of your meeting tomorrow w/ Acting Administrator Wheeler

IMPORTANT - Thank you for your email **Personal Matters / Ex. 6** **Personal Matters / Ex. 6** I will not have access to my email during this time. If you need assistance please contact Janet Gibson at janet.gibson@nreca.coop or Bernita Faulkner at bernita.faulkner@nreca.coop. Thank you.

Confidentiality Notice: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, copy, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

Appointment

From: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Sent: 12/4/2017 9:07:24 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]

Subject: Coffee
Location: Peet's, 435 11th St NW

Start: 12/11/2017 4:00:00 PM
End: 12/11/2017 4:45:00 PM
Show Time As: Busy

Recurrence: (none)

Appointment

From: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Sent: 10/30/2017 2:05:58 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]

Subject: Canceled: Coffee
Location: Peet's, 435 11th St NW

Start: 11/6/2017 4:00:00 PM
End: 11/6/2017 5:00:00 PM
Show Time As: Free

Importance: High

Recurrence: (none)

Appointment

From: Clint Woods [cwoods@csg.org]
Sent: 8/7/2017 4:57:30 PM
To: Clint Woods [cwoods@csg.org]
CC: Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]; Wood, Anna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=39055f080135414ca3b8c18d4f578755-AWood02]; Kornylak, Vera S. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=31c615bdfdb743f1a88fa7ef4137af38-Kornylak, Vera]; Jones, Rhea [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8d213054092e4312bf031a52d13aafb8-RJONES02]

Subject: EPA-AAPCA Call on Exceptional Events
Attachments: EPA - AAPCA Exceptional Events Call Agenda & Compiled Member Comments 8-25-2017.pdf
Location: Call-In Number: Ex. 6 Personal Privacy (PP) Passcode: Ex. 6 Personal Privacy (PP)

Start: 8/30/2017 5:30:00 PM
End: 8/30/2017 6:30:00 PM
Show Time As: Busy

Recurrence: (none)

Updated 8/25: Attached and pasted below is a proposed agenda for the EPA-AAPCA call on the Exceptional Events Rule – Please note that the PDF attachment includes excerpts of air agency comments on the key issues identified in the agenda, a compilation of links and surveys for state perspectives on Exceptional Events as part of EO 13777 on Enforcing the Regulatory Reform Agenda, proposed revisions to the Exceptional Events Rule, 2015 revision to the Ozone NAAQS, as well as recent presentations and Congressional testimony from AAPCA members on Exceptional Events issues.

AAPCA Member Call with U.S. EPA on Exceptional Events
Wednesday, August 30
1:30 – 2:45 PM Eastern
Call-in information: Personal Phone / Ex. 6 **Passcode:** Personal Phone / Ex. 6

Proposed Agenda:

1. **Welcome / Roll Call**

2. **U.S. EPA / AAPCA Introduction**

3. **Key AAPCA Member Concerns**

- Resource/staff time required for air agencies to develop and submit approvable exceptional events demonstrations.
- EPA should not limit the Exceptional Events Rule to certain regulatory actions/determinations.
- Process for EPA's review of exceptional event demonstrations.
- Time of review

- Regional inconsistency
- Tracking of submitted/approved/disapproved demonstrations

- EPA improperly approaches definitions of: "Event"; "human activity unlikely to recur at a particular location"; and, "not reasonably controllable or preventable."

- Uncertainty about absence of EPA guidance on certain aspects of the revised Exceptional Events Rule.

- EPA needs to allow and commit to coordinating for regional events and other specific categories of exceptional events.

- Potential requirements to consult Federal Land Managers.

- EPA requires that Smoke Management Plans be certified/non-voluntary.

4. **Other Questions and Comments**

Enclosed material:

- **Illustrative AAPCA member comments on:** Resource/Staff Time Requirements (pgs. 2 – 4); Limits on Regulatory Actions/Determinations (4 – 5); EPA's Review Process (5 – 6); Inappropriate Definitions of Statute Language (6); Uncertainty Due to Absence of EPA Guidance (6 – 7); Regional Events and Categories of Exceptional Events (7); Federal Land Manager Consultation (7 – 8); Smoke Management Plans (8)
- **Appendix A: Links to recent air agency comments and testimony on Exceptional Events Rule** – includes comments on EPA's regulatory reform (8 – 9), 2016 proposed revisions to the Exceptional Events Rule (9), 2015 proposed revision to the ozone NAAQS (9 – 10), and recent presentations and Congressional testimony (10 – 11)
- **Appendix B: Text of Clean Air Act, Section 319** (11 – 13)

AAPCA Member Call with U.S. EPA on Exceptional Events
Wednesday, August 30
1:30 – 2:45 PM Eastern

Call-in information: Personal Phone / Ex. 6 **Passcode:** Personal Phone / Ex. 6

Proposed Agenda:

1. **Welcome / Roll Call**

2. **U.S. EPA / AAPCA Introduction**

3. **Key Agency Issues**

   - Resource/staff time required for air agencies to develop and submit approvable exceptional events demonstrations.

   - EPA should not limit the Exceptional Events Rule to certain regulatory actions/determinations.

   - Process for EPA's review of exceptional event demonstrations.
     - Time of review
     - Regional inconsistency
     - Tracking of submitted/approved/disapproved demonstrations

   - EPA improperly approaches definitions of: "Event"; "human activity unlikely to recur at a particular location"; and, "not reasonably controllable or preventable."

   - Uncertainty about absence of EPA guidance on certain aspects of the revised Exceptional Events Rule.

   - EPA needs to allow and commit to coordinating for regional events and other specific categories of exceptional events.

   - Potential requirements to consult Federal Land Managers.

   - EPA requires that Smoke Management Plans be certified/non-voluntary. **[**

4. **Other Questions and Comments**

Enclosed material:

- **Illustrative AAPCA member comments on:** Resource/Staff Time Requirements (pgs. 2 – 4); Limits on Regulatory Actions/Determinations (4 – 5); EPA's Review Process (5 – 6); Inappropriate Definitions of Statute Language (6); Uncertainty Due to Absence of EPA Guidance (6 – 7); Regional Events and Categories of Exceptional Events (7); Federal Land Manager Consultation (7 – 8); Smoke Management Plans (8)
- **Appendix A: Links to recent air agency comments and testimony on Exceptional Events Rule** – includes comments on EPA's regulatory reform (8 – 9), 2016 proposed revisions to the Exceptional Events Rule (9), 2015 proposed revision to the ozone NAAQS (9 – 10), and recent presentations and Congressional testimony (10 – 11)
- **Appendix B: Text of Clean Air Act, Section 319** (11 – 13)

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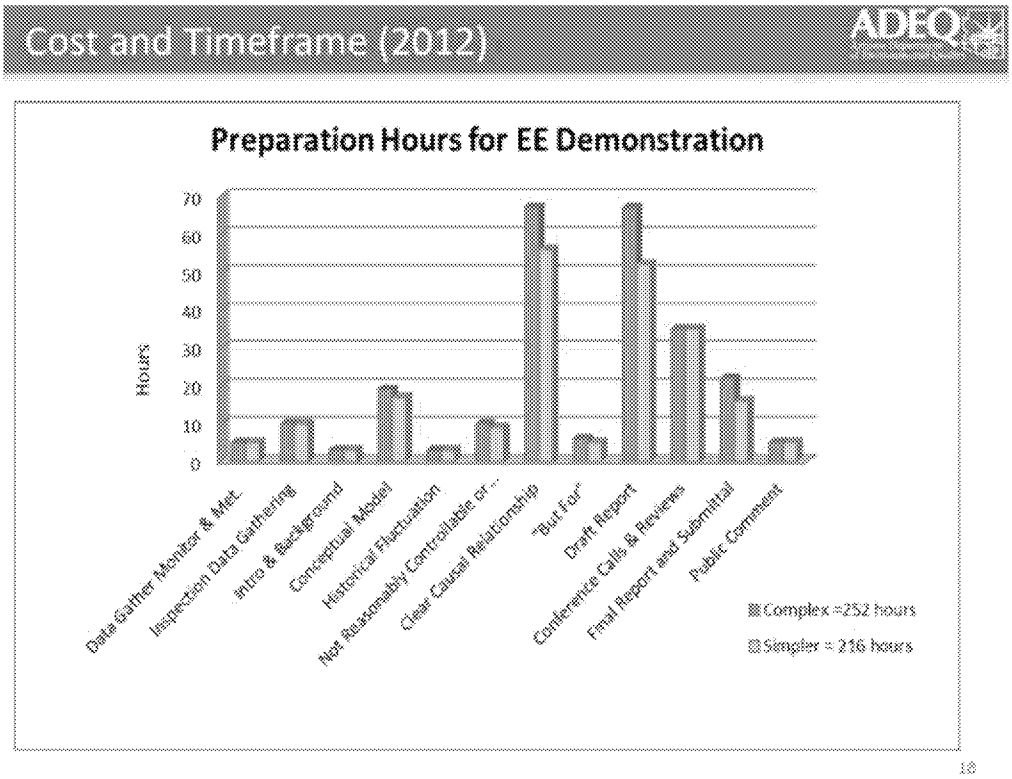
Key Issues and Illustrative Comments

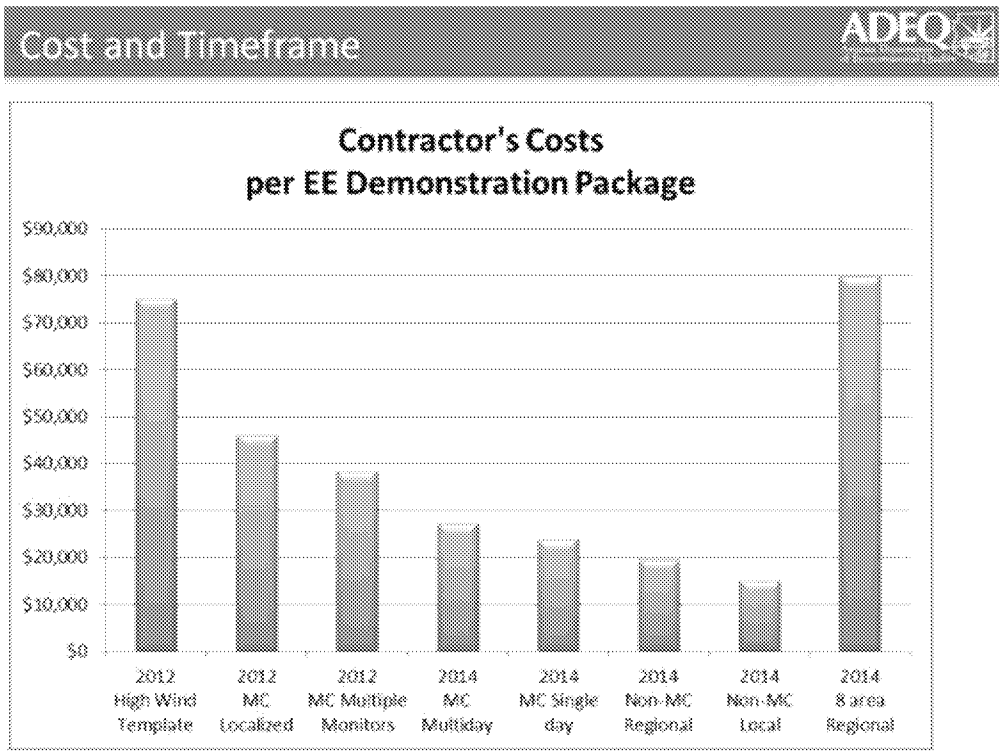
Resource/Staff Time Requirements

"ADEQ's non-complex dust exceptional events cost approximately $30,000 in both contractor and staff time."

– Arizona DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 11

"ADEQ and EPA Region 9 already implemented 50% streamlining in preparation time (from 2011 to 2017).
ADEQ spent over $800K to prepare 50 EE demonstrations for 2011 - 2012.
It still costs about $20K per event and requires on average about 150-200 hours to research, prepare, review and submit each demonstration package.
EPA has approved 17 of 55 demonstration packages (~30%).
This means over $750K and about 7,500 hrs of effort wait in inventory or have "rolled off".
It is likely that more EE demonstrations will exceed their shelf-life."





– Arizona DEQ, presentation at AAPAC's 2017 Spring Meeting, Tucson, Arizona

"Certain requirements in the Revised Rule are onerous and may result in monitored exceedances due to natural sources influencing national ambient air quality standard (NAAQS) designations of nonattainment. In turn, such nonattainment designations may lead to unnecessary and expensive measures that could have been avoided if more reasonable exceptional events demonstration requirements were in place."

– Arkansas DEQ, comments on U.S. EPA's *Evaluation of Existing Regulations*, pg. 7

"Adding additional PM2.5 speciation monitors to Virginia's monitoring network to support potential exceptional event submittals is simply not practical since operating costs alone run about $45,000 annually for just one such monitor."

– Virginia DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, Enclosure (pg. 2)

"Exceptional events demonstrations for NAAQS violations resulting from high background ozone concentrations in the rural west will be too lengthy, frequent, and onerous.... The analysis and demonstration for a single stratospheric intrusion exceptional events package would require resources beyond what is currently available. The NDEP's past experience is that a large portion of the agency's resources have been consumed by investigating, analyzing and preparing demonstrations for suspected exceptional events, which takes away from the agency's ability to focus on air quality planning and implementation that would actually provide public health protections."

– Nevada DEP, comments on U.S. EPA's proposed 2015 Ozone NAAQS, pg. 8 – 9

"The 'exceptional event exclusion' may be useful in rare instances, but demonstrating even a single instance is extremely burdensome and, as previously discussed, the states face uncertainty regarding what is required for an acceptable exceptional events demonstration."

– Texas CEQ, comments on U.S. EPA's proposed 2015 Ozone NAAQS, p. 34

"So far, we are the only agency in the nation that has received concurrence for a stratospheric intrusion event. Based on this experience, each demonstration took between four and eight months to produce. The effort to produce those demonstrations used internal staff with meteorological expertise as well as assistance from the EPA's stratospheric ozone intrusion workgroup, a group of state regulators, Federal regulators, and academics focused on researching and diagnosing stratospheric ozone intrusions. While the DEQ has not produced a demonstration to show a clear causal relationship between a wildfire and ozone exceedance, the DEQ is familiar with the demonstrations that the EPA has posted as examples for wildfire impacts and ozone. The DEQ has concluded that it would require 15 months and contractor assistance of $150,000 to produce one of these demonstrations and any future demonstrations will require comparable resource commitments. Securing funding and additional staff resources for new NAAQS implementation is always a challenge, but this process will be even more difficult for low-population, rural states facing additional workloads under a more-stringent ozone NAAQS."

– Wyoming DEQ – Air Quality Division, testimony to House Science, Space, and Technology Committee's Environment Subcommittee, pg. 7 – 8

Limits on Regulatory Actions/Determinations

"AAPCA members are concerned that these categories may be insufficiently flexible and unnecessarily limit the utility of the Exceptional Events Rule for a variety of other compelling purposes."

– AAPCA, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"EPA should prioritize their internal review of events such that those in areas of pending regulatory action are of the highest priority, but the exceptional events rule should also allow for exceedances caused by exceptional events to be submitted to and acted on by EPA if a State believes that the event holds significance to them beyond the five types of regulatory actions described by EPA."

– Arizona DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 12

"The NDEP does not support USEPA's proposal to limit exceptional event requests to only a specific set of regulatory actions."

– Nevada DEP, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"There may be other circumstances other than the five regulatory actions where it is appropriate to make an Exceptional Event Demonstration. Likewise, Exceptional Event demonstrations should not be limited to potential exceedances of the national ambient air quality standard (NAAQS). For example, a monitor may be eligible for removal or relocation if design values are <85 percent of the NAAQS. In this instance, pollutant concentrations from an Exceptional Event would not have led to a violating design value, but they may preclude the removal of a monitor."

– North Carolina DAQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 1

"[S]tates need the ability to flag data for exclusion from all regulatory uses, regardless of whether data may alter designation or classification decisions. Such uses included, but are not limited to, analyses for major source permitting, monitoring network design, and transportation planning. EPA should revise this proposed regulation to allow states to submit exceptional events submittals for any data influenced by exceptional events, not just those data that may influence decisions concerning designations or classifications."

– Virginia DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

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"EPA's decision to limit all 'monitoring data and analyses' to only National Ambient Air Quality Standards (NAAQS) designations and classification decisions does not appear to be in keeping with the plain language within [Section 319] of the [Clean Air Act]."

– Virginia DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, Enclosure (pg. 1)

"However, the narrowing of the scope of applicability to only data points being used in regulatory determinations severely limits a state's ability to exclude uncontrollable natural and exceptional events from the data record. While the ability exists to demonstrate significance to the Regional Administrator for a review of an event, this practice is untested and guidance does not exist on making such demonstrations. Many State, Local, and Tribal agencies may not be in a position of facing non-attainment but still believe that exceptional event-affected exceedances should be taken out of the data record for other reasons such as use in future modeling, etc."

– Wyoming DEQ, comments on U.S. EPA's *Evaluation of Existing Regulations*, pg. 7

"The proposed revision to 50.14 (a)(1)(i) lists five (5) types of regulatory determinations where the Exceptional Events Rule will apply to the treatment of ambient air quality data. The AQD does not agree that solely these types of determinations should warrant a review and decision on an exceptional event by the EPA Region… This rigid interpretation positions the EPA and affected agencies for failure."

– Wyoming DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 1

EPA's Review Process

"There should be a requirement for EPA action on all submitted exceptional event demonstrations, even if that results in potential non-concurrences of events."

– Arizona DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 12

"The NDEP feels strongly that the USEPA act on every exceptional event submittal… The NDEP further urges USEPA to include in the Exceptional Event Rule a 12-month deadline from the date the submittal was received by which EPA must concur on a submittal or why it cannot."

– Nevada DEP, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"At the current time, there is no impetus for EPA to act on an Exceptional Event Demonstration short of a court challenge. There should be a 12-month regulatory clock that starts after the submission of an Exceptional Event Demonstration. Should the EPA not act on an Exceptional Event Demonstration, the Demonstration should be automatically approved."

– North Carolina DAQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 4

"Without a transparent standard for this criteria or at least an explanation of how this criteria is used, Texas has no way of knowing whether its exceptional event demonstrations can possibly meet EPA 'requirements' or whether EPA 'requirements' are applied in a consistent manner. Texas has also expressed concerns that different regional offices use different standards for evaluating exceptional event demonstrations and that some regional offices seem to evaluate demonstrations in a manner inconsistent with the guidance issued by the EPA's Office of Air Quality Planning and Standards."

– Texas CEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 1

"The AQD believes that the EPA should commit to well-defined timelines for the EPA Region's review and decision on exceptional event demonstrations. Currently, there are no requirements for EPA review

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and decision commensurate with the required deadlines for the State, local and tribal air agencies to flag and submit demonstrations."

– Wyoming DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 14

Inappropriate Definitions of Statute Language

"Issues raised in this proposal, such as properly defining 'human activity unlikely to recur' and 'not reasonably controllable or preventable' elements, are even more complicated when applying them to lands other than wildlands."

– Georgia EPD, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"In attempting to define the concept of 'human activity unlikely to recur at a particular location,' the Division strongly disagrees with using a periodic benchmark in which the third occurrence of an event would not meet the definition of 'unlikely to recur,' specifically due to the potential implications on the use of prescribed fire. Such a benchmark directly contradicts the proposal to allow a multi-year land management plan to direct the frequency at which prescribed fire is conducted on a particular parcel of land."

– Kentucky DAQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"The DAQ prefers that the three events in 3 years be left out of the rule text. Incorporating into the rule text may prove to be too 'rigid' or inflexible in certain situations."

– North Carolina DAQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"[T]he EPA has not adequately defined what constitutes an 'event' for purposes of determining the number of events that have occurred within a three-year period. As the EPA has noted numerous times, events such as fires can affect air quality over several days. However, as currently proposed, the EPA could count each day the fire affects air quality as a separate event for purposes of determining how many events occurred within a three-year period. This would prevent a state from submitting exceptional event demonstrations for events that last multiple days."

– Texas CEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 5

"The AQD believes that the 'unlikely to recur in the same location' criterion should be satisfied on a case-by-case basis, as has been done successfully since the inception of the 2007 Exceptional Events Rule, and requires no further clarification or guidance, especially in the manner and form proposed by the EPA in the preamble."

– Wyoming DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 5

Uncertainty Due to Absence of EPA Guidance

"EPA should commit to developing timely implementation guidance specific to high-elevation rural areas to address the treatment of background ozone, and to provide supportive resources commensurate with the relative burden of the new standard on high-elevation rural states."

– Wyoming DEQ – Air Quality Division, testimony to House Science, Space, and Technology Committee's Environment Subcommittee, pg. 4

"EPA must research and develop tools to determine the relative contribution of the elements of background ozone; streamline the efforts for states to document these contributions; and allow states to focus resources on pollution that can be controlled, thereby improving air quality."

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– Wyoming DEQ – Air Quality Division, testimony to House Science, Space, and Technology Committee's Environment Subcommittee, pg. 4

"There should be a concerted effort by the EPA to consolidate these tools into a workable system to produce technical work products and analyses. Concurrently, the EPA should follow through on plans to produce guidance for ozone occurring due to wildfire demonstrations and stratospheric intrusion events."
– Wyoming DEQ – Air Quality Division, testimony to House Science, Space, and Technology Committee's Environment Subcommittee, pg. 9

Regional Events and Categories of Exceptional Events
"The DAQ encourages EPA to develop a process and/or procedure to address Exceptional Event Demonstrations that encompass multiple states and/or EPA regions. This will help ensure consistency and fairness when applying the rule. There should also be a mechanism for multiple states to submit a combined Exceptional Event Demonstration, which may occur, for example, with Saharan dust or large wildfire events."
– North Carolina DAQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 1

"The NDEP urges the USEPA to more fully explore and ultimately commit to coordinating demonstration submittals when multiple agencies are affected by regional events."
– Nevada DEP, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 4

"In Texas' experience, large numbers of events can combine to cause a violation or exceedance of a NAAQS. Moreover, because the different individual events can occur in large numbers and across multiple jurisdictions, a state may not be able to list all events that it believes contributed to the NAAQS exceedance or violation."
– Texas CEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"Texas frequently receives smoke associated with agricultural fires (spring and fall) that occur outside of Texas and the United States. Under the proposed rule language, a state is not required to show that exceptional or natural events outside of its jurisdiction are reasonably controllable or preventable. Likewise, it seems clear that a state should not have to show that the exceptional or natural events are unlikely to recur when the state has no authority to manage or prevent these events."
– Texas CEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 5 – 6

Federal Land Manager Consultation
"ADEQ requests the removal of FLM authority to submit any exceptional event demonstrations. This should be the sole responsibility of the local air quality planning organization or the State."
– Arizona DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 11

"ADEQ does not believe that giving FLMs a regulatory role in determining whether an event can be considered as exceptional and make such assertions directly to EPA would be appropriate. This would usurp the role of the State in managing air quality within its bounds and could be used by FLMs as a means of after-the-fact justification of excessive prescribed burning that resulted in potential NAAQS violations."
– Arkansas DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 3

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"Georgia EPD opposes the proposed rule text … to allow Federal Land Managers and other federal agencies to submit demonstrations directly to EPA. Georgia is the primary quality assurance organization (PQAO) for data collected in Georgia and, as such, we are accountable for the data submitted by Federal Land Managers and other federal agencies for all monitors in Georgia."

– Georgia EPD, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"While the Division recognizes the importance of working with FLMs to prepare exceptional event demonstrations, the Division asserts that all demonstrations should be submitted to the EPA through the appropriate state, local, or tribal air agency, even if the regulatory air agency delegates the preparation of a demonstration to a FLM."

– Kentucky DAQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"The NDEP does not believe it is appropriate to grant authority for decision whether to request data exclusion for an exceptional event to an agency other than an air quality agency."

– Nevada DEP, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 1

EPA requires that Smoke Management Plans be certified.

"EPA's interpretation of the elements that would have to be included before a Smoke Management Plan (SMP) could be considered 'certifiable' go beyond what is necessary for an event to be considered as 'not reasonably controllable or preventable' and thus qualify as an exceptional event."

– Arkansas DEQ, comments on U.S. EPA's *Evaluation of Existing Regulations*, pg. 7

"EPA should formally acknowledge the adequacy of SMPs that adhere to the [Interim Air Quality Policy on Wildland and Prescribed Fires] but are voluntary in nature as long as there are no persistent air quality issues that arise."

– Arkansas DEQ, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

"The Department does not agree that a certification process, where the air agency has to declare it is implementing the SMP, is necessary."

– South Carolina DHEC, comments on U.S. EPA's proposed rule *Treatment of Data Influenced by Exceptional Events*, pg. 2

Appendix A: Links to recent air agency comments and testimony on the Exceptional Events Rule

Agency Comments as Part of U.S. EPA's Regulatory Reform Process

In July 2017, AAPCA released a new report *The State of Regulatory Reform: Navigating State Perspectives on Clean Air Act Regulations Under Executive Order 13777*. The report highlights individual Clean Air Act regulations and themes discussed in state and local agency comments as part U.S. EPA's regulatory reform process.

Several states indicated issues with the Exceptional Events Rule (report, pg. 4):

- Arizona Department of Environmental Quality, Attachment (pg. 2)
- Arkansas Department of Environmental Quality, pg. 7 – 8
- North Carolina Division of Air Quality, pg. 19 – 20
- Utah Division of Air Quality, pg. 3 – 4

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- Wyoming Department of Environmental Quality, pg. 6 – 7

Other relevant comments: Clark County Department of Air Quality (NV), pg. 3; American Association of State Highway and Transportation Officials, Attachment; Western Governors Association, pg. 13; Association of Air Pollution Control Agencies, pg. 3

Comments on the Proposed Revisions to the Exceptional Events Rule
AAPCA compiled state and local agency comments on the proposed revision of the Exceptional Events Rule and related draft wildfire guidance, which can be found here. Comments were submitted by 22 state environmental agencies and 10 local air agencies.

State Agency Comments

- Alaska
- Arizona
- Arkansas
- California
- Colorado
- Georgia
- Iowa
- Kansas
- Kentucky
- Michigan
- Minnesota
- Missouri
- Nevada
- New Mexico
- North Carolina
- Oklahoma
- South Carolina
- Texas
- Virginia
- Washington
- Wisconsin
- Wyoming

Local Agency Comments

- Arizona Department of Environmental Quality, the Maricopa Association of Governments, the Maricopa County Air Quality Department, the Pinal County Air Quality Control District, and the Pima County Department of Environmental Quality
- Clark County (NV)
- Imperial County Air Pollution Control District (CA)
- Pinal County (AZ)
- Sacramento Metropolitan Air Quality Management District (CA)
- San Joaquin Valley Air Pollution Control District (CA)
- Ventura County Air Pollution Control District (CA)
- Washoe County (NV)

Comments were also filed on the proposed revisions by the following associations:

- AAPCA
- California Air Pollution Control Officers Association
- National Tribal Air Association
- WESTAR

- Western Governors Association
- American Association of State Highway and Transportation Officials

Comments as part of on EPA's proposed 2015 Ozone NAAQS
In June 2015, AAPCA released the report State Environmental Agency Perspectives on Background Ozone & Regulatory Relief, which included a survey of AAPCA member agency comments on Exceptional Events. Of the 44 state environmental agencies that filed individual or joint comments on

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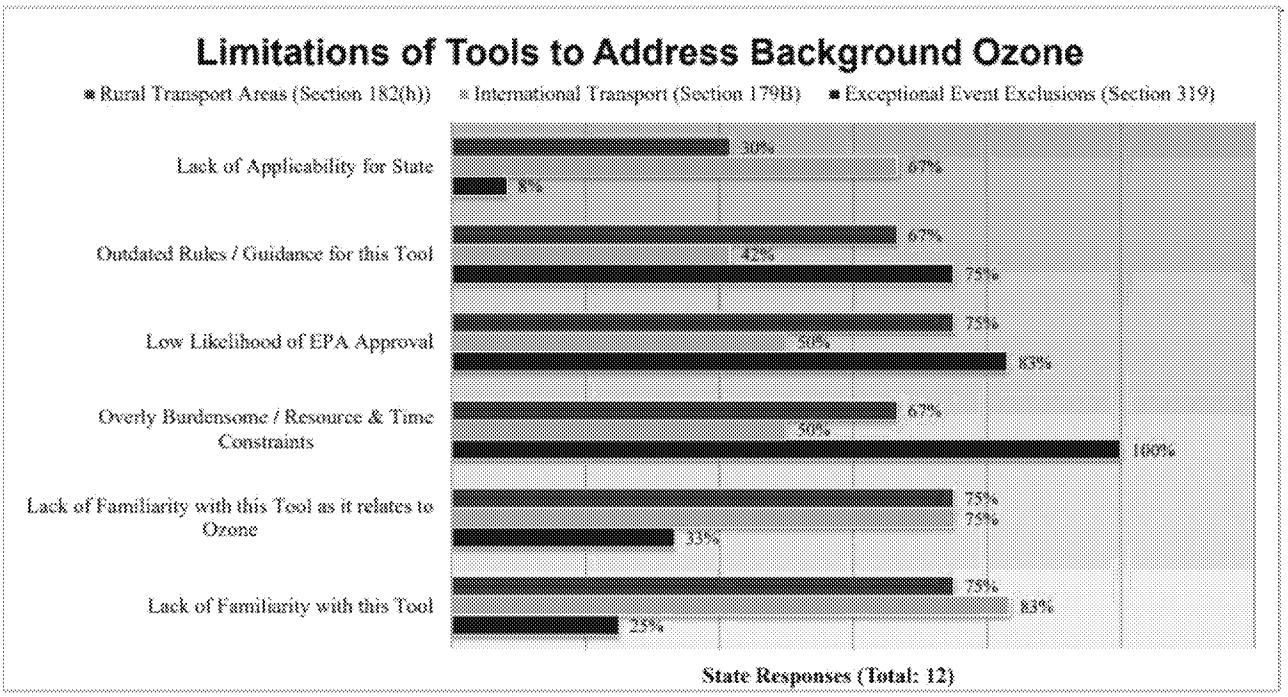
EPA's proposed 2015 ozone NAAQS, half (22 states) commented on limitations to the use of Clean Air Act section 319 for excluding "exceptional event" data.

In addition, AAPCA conducted a survey of its state air agency members to identify limitations for tools to address background ozone. A majority of respondents identified "Overly Burdensome / Resource & Time Constraints," "Low Likelihood of EPA Approval," and "Outdated Rules / Guidance for this Tool" as issues with the Exceptional Events Rule.



State Responses (Total: 12)	Exceptional Event Exclusions (Section 319)	International Transport (Section 179B)	Rural Transport Areas (Section 182(h))
Lack of Familiarity with this Tool	3	10	9
Lack of Familiarity with this Tool as it relates to Ozone	4	9	9
Overly Burdensome / Resource & Time Constraints	12	6	8
Low Likelihood of EPA Approval	10	6	9
Outdated Rules / Guidance for this Tool	9	5	8
Lack of Applicability for State	1	8	5

Recent Presentations and Relevant Testimony

- At AAPCA's 2017 Spring Meeting, the Arizona Department of Environmental Quality provided the presentation, "Exceptional Event Documentation: ADEQ Streamlining Efforts & Rule Discussion."

- May 23, 2017 Hearing on Making Implementation of the National Ambient Air Quality Standards for Ground-Level Ozone Attainable: Legislative Hearing on S.263 and S.452 (transcript here)
  - Mr. Misael Cabrera, P.E., Director, Arizona Department of Environmental Quality

- March 22, 2017 Hearing on H.R. 806, Ozone Standards Implementation Act of 2017:
  - Mr. Sean Alteri, Director, Division of Air Quality, Kentucky Department of Environmental Protection: Witness Statement; Responses to Questions for the Record

- Mr. Marc A. R. Cone , P.E., Director, Bureau of Air Quality, Maine Department of Environmental Protection: Witness Statement; Response to Questions for the Record
- Mr. Seyed Sadredin, Executive Director/Air Pollution Control Officer, San Joaquin Valley Air Pollution Control District: Witness Statement; Response to Questions for the Record
- Ms. Nancy Vehr, Air Quality Administrator, Wyoming Department of Environmental Quality: Witness Statement; Response to Questions for the Record

- June 22, 2016 Hearing on Examining Pathways Towards Compliance of the National Ambient Air Quality Standard for Ground-Level Ozone: Legislative Hearing on S. 2882 and S.2072 (transcript here)

- April 14, 2016 Hearing on H.R. 4775, Ozone Standards Implementation Act of 2016:
  - Mr. Misael Cabrera, Director, Arizona Department of Environmental Quality: Witness Statement
  - Mr. Alan Matheson, Executive Director, Utah Department of Environmental Quality: Witness Statement
  - Mr. Seyed Sadredin, Executive Director/Air Pollution Control Officer, San Joaquin Valley Air Pollution Control District: Witness Statement
  - Dr. Bryan W. Shaw, Chairman, Texas Commission of Environmental Quality: Witness Statement

- June 3, 2015 Hearing on Challenges and Implications of EPA's Proposed National Ambient Air Quality Standard for Ground-Level Ozone and Legislative Hearing on S. 638, S. 751, and S. 640 (transcript here)

- April 29, 2015 Hearing on The Impact of EPA's Proposed Ozone Standards on Rural America
  - The Honorable Jim Reese, Secretary and Commissioner of Agriculture, Oklahoma State Board of Agriculture
  - Ms. Cara Keslar, Monitoring Section Supervisor, Wyoming Department of Environmental Quality, Air Quality Division
  - The Honorable Todd Hiett, Commissioner, Oklahoma Corporation Commission

- December 17, 2014 Hearing on EPA's Proposed National Ambient Air Quality Standards for Ozone
  - Dr. Bryan W. Shaw Ph.D., P.E., Chairman, Texas Commission on Environmental Quality

- June 12, 2013 Hearing – "Background Check: Achievability of New Ozone Standards":
  - Ms. Amanda Smith, Executive Director, Utah Department of Environmental Quality

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Appendix B: Text of Clean Air Act, Section 319

(a) In general After notice and opportunity for public hearing, the Administrator shall promulgate regulations establishing an air quality monitoring system throughout the United States which—

(1) utilizes uniform air quality monitoring criteria and methodology and measures such air quality according to a uniform air quality index,

(2) provides for air quality monitoring stations in major urban areas and other appropriate areas throughout the United States to provide monitoring such as will supplement (but not duplicate) air quality monitoring carried out by the States required under any applicable implementation plan,

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(3) provides for daily analysis and reporting of air quality based upon such uniform air quality index, and

(4) provides for recordkeeping with respect to such monitoring data and for periodic analysis and reporting to the general public by the Administrator with respect to air quality based upon such data.

The operation of such air quality monitoring system may be carried out by the Administrator or by such other departments, agencies, or entities of the Federal Government (including the National Weather Service) as the President may deem appropriate. Any air quality monitoring system required under any applicable implementation plan under section 7410 of this title shall, as soon as practicable following promulgation of regulations under this section, utilize the standard criteria and methodology, and measure air quality according to the standard index, established under such regulations.

(b) Air quality monitoring data influenced by exceptional events

(1) Definition of exceptional event In this section:

(A) In general The term "exceptional event" means an event that—

(i) affects air quality;

(ii) is not reasonably controllable or preventable;

(iii) is an event caused by human activity that is unlikely to recur at a particular location or a natural event; and

(iv) is determined by the Administrator through the process established in the regulations promulgated under paragraph (2) to be an exceptional event.

(B) Exclusions In this subsection, the term "exceptional event" does not include—

(i) stagnation of air masses or meteorological inversions;

(ii) a meteorological event involving high temperatures or lack of precipitation; or

(iii) air pollution relating to source noncompliance.

(2) Regulations

(A) Proposed regulations

Not later than March 1, 2006, after consultation with Federal land managers and State air pollution control agencies, the Administrator shall publish in the Federal Register proposed regulations governing the review and handling of air quality monitoring data influenced by exceptional events.

(B) Final regulations

Not later than 1 year after the date on which the Administrator publishes proposed regulations under subparagraph (A), and after providing an opportunity for interested persons to make oral presentations of views, data, and arguments regarding the proposed regulations, the Administrator shall promulgate final regulations governing the review and handling or [1] air quality monitoring data influenced by an exceptional event that are consistent with paragraph (3).

(3) Principles and requirements

(A) Principles In promulgating regulations under this section, the Administrator shall follow—

(i) the principle that protection of public health is the highest priority;

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(ii) the principle that timely information should be provided to the public in any case in which the air quality is unhealthy;
(iii) the principle that all ambient air quality data should be included in a timely manner,[2] an appropriate Federal air quality database that is accessible to the public;
(iv) the principle that each State must take necessary measures to safeguard public health regardless of the source of the air pollution; and
(v) the principle that air quality data should be carefully screened to ensure that events not likely to recur are represented accurately in all monitoring data and analyses.

(B) Requirements Regulations promulgated under this section shall, at a minimum, provide that—
(i) the occurrence of an exceptional event must be demonstrated by reliable, accurate data that is promptly produced and provided by Federal, State, or local government agencies;
(ii) a clear causal relationship must exist between the measured exceedances of a national ambient air quality standard and the exceptional event to demonstrate that the exceptional event caused a specific air pollution concentration at a particular air quality monitoring location;
(iii) there is a public process for determining whether an event is exceptional; and
(iv) there are criteria and procedures for the Governor of a State to petition the Administrator to exclude air quality monitoring data that is directly due to exceptional events from use in determinations by the Administrator with respect to exceedances or violations of the national ambient air quality standards.

(4) Interim provision Until the effective date of a regulation promulgated under paragraph (2), the following guidance issued by the Administrator shall continue to apply:
(A) Guidance on the identification and use of air quality data affected by exceptional events (July 1986).

(B) Areas affected by PM–10 natural events, May 30, 1996.

(C) Appendices I, K, and N to part 50 of title 40, Code of Federal Regulations.

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Appointment

From: Hannon, Arnita [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=03D9D86E161B4A6E9CA30AB9DF0DF580-AHANNON]
Sent: 4/18/2017 7:07:25 PM
To: Hannon, Arnita [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=03d9d86e161b4a6e9ca30ab9df0df580-AHANNON]; Rees, Sarah [rees.sarah@epamail.epa.gov]; Lyons, Troy [lyons.troy@epa.gov]; Bangerter, Layne [bangerter.layne@epa.gov]; Bowles, Jack [Bowles.Jack@epa.gov]; Evalenko, Sandy [Evalenko.Sandy@epa.gov]; Hanson, Andrew [Hanson.Andrew@epa.gov]; Richardson, RobinH [Richardson.RobinH@epa.gov]; Barbery, Andrea [Barbery.Andrea@epa.gov]; Ruf, Christine [Ruf.Christine@epa.gov]; Bennett, Tate [Bennett.Tate@epa.gov]; Cook-Shyovitz, Becky [Cook-Shyovitz.Becky@epa.gov]; Matthews, Demond [matthews.demond@epa.gov]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Smith, Brigitte [smith.brigitte@epa.gov]; Cogliano, Gerain [Cogliano.Gerain@epa.gov]; Cyran, Carissa [Cyran.Carissa@epa.gov]; Clint Woods [cwoods@csg.org]; Hofmann, Angela [Hofmann.Angela@epa.gov]; Nitsch, Chad [Nitsch.Chad@epa.gov]; Harwood, Jackie [Harwood.Jackie@epa.gov]; Mattick, Richard [Mattick.Richard@epa.gov]; Wagner, Kenneth [wagner.kenneth@epa.gov]; Cheatham-Strickland, Latonia [Cheatham-Strickland.Latonia@epa.gov]; Scott, Sonya [scott.sonya@epa.gov]; Smith, Peterj [Smith.Peterj@epa.gov]

Subject: FW: OCIR Quarterly Outreach Meeting with National Associations
Location: 3530 WJC North

Start: 4/26/2017 6:00:00 PM
End: 4/26/2017 7:00:00 PM
Show Time As: Busy

-----Original Appointment-----
From: Hannon, Arnita
Sent: Wednesday, April 12, 2017 12:07 PM
To: Hannon, Arnita; Bangerter, Layne; Lyons, Troy; Bennett, Tate; Richardson, RobinH; Bowles, Jack; Hanson, Andrew; Rees, Sarah; Matthews, Demond; Cook-Shyovitz, Becky; Barbery, Andrea; Evalenko, Sandy; Ruf, Christine
Cc: Cheatham-Strickland, Latonia; Scott, Sonya; Mattick, Richard; Cogliano, Gerain; Clint Woods; Harwood, Jackie; Smith, Peterj; Hofmann, Angela
Subject: OCIR Quarterly Outreach Meeting with National Associations
When: Wednesday, April 26, 2017 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: 3530 WJC North

Sorry Everyone but we are now meeting in 3530 WJC North. See Room Change. Thanks!

Personal Phone / Ex. 6 Personal Phone / Ex. 6

Event: OCIR Quarterly Outreach Meeting with National Associations
Chair: Layne Bangerter, DAA for Intergovernmental Relations

-Overview: DRAFT AGENDA: **2:00 – 2:45 pm** - Introduction of OCIR Leadership; -Presentation by Sarah Rees, Director, Office of Regulatory Policy and Management, Office of Policy: E.O. 13777, "Enforcing the Regulatory Reform Agenda." **2:45 – 3:00** pm: Topic TBD.

[More Details as they unfold, but pleases mark your calendars!]

Background: *The Outreach Meetings provide an opportunity for EPA to share information and engage in dialogue on the Agency's priorities and topics of interest to the Associations representing State and Local elected officials, as well as, other Associations. Washington, DC staff from the various office, including NGA, USCM, NLC, NCSL, ECOS, NACWA, AMWA, and other, s are regular participants. [Closed Press]*

Message

From: Rakosnik, Delaney [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=274573739A9F446883072599086EDEDD-RAKOSNIK, D]
Sent: 9/28/2018 6:08:40 PM
To: Frank.Prager@XCELENERGY.COM
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: RE: Meeting with Xcel Energy

Hi Frank,

Bill can meet on Oct 12th at 10am. How does that work for your calendar?

Many thanks,

Delaney Rakosnik
Staff Assistant
Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
Room 5406A, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-0935
Email: rakosnik.delaney@epa.gov

From: Prager, Frank P [mailto:Frank.Prager@XCELENERGY.COM]
Sent: Thursday, September 27, 2018 1:56 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Rakosnik@Epa.gov; William Bumpers <william.bumpers@bakerbotts.com>
Subject: Meeting with Xcel Energy

Bill, it was great to see you yesterday at the Clean Air Act Advisory Committee meeting. Thanks for spending so much time at the meeting and providing such a detailed overview of your Clean Air Act Agenda. It's clear you're going to be very busy.

Thanks also for offering to sit down with us to talk about Xcel Energy's views regarding the Affordable Clean Energy rule and in particular the proposal's treatment of state flexibility. We would very much appreciate the opportunity. Please let me know some dates and times that might work for you.

Thanks!

Frank Prager
Xcel Energy Inc.
303-294-2108
Personal Phone / Ex. 6

Appointment

From: Clint Woods [cwoods@csg.org]
Sent: 8/25/2017 9:00:47 PM
CC: Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]; Wood, Anna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=39055f080135414ca3b8c18d4f578755-AWood02]; Kornylak, Vera S. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=31c615bdfdb743f1a88fa7ef4137af38-Kornylak, Vera]; Jones, Rhea [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8d213054092e4312bf031a52d13aafb8-RJONES02]

Subject: EPA-AAPCA Call on Exceptional Events
Attachments: EPA - AAPCA Exceptional Events Call Agenda & Compiled Member Comments 8-25-2017.pdf
Location: Call-In Number: Ex. 6 Personal Privacy (PP) Passcode: Ex. 6 Personal Privacy (PP)

Start: 8/30/2017 5:30:00 PM
End: 8/30/2017 6:30:00 PM
Show Time As: Tentative

Recurrence: (none)

Updated 8/25: Attached and pasted below is a proposed agenda for the EPA-AAPCA call on the Exceptional Events Rule – Please note that the PDF attachment includes excerpts of air agency comments on the key issues identified in the agenda, a compilation of links and surveys for state perspectives on Exceptional Events as part of EO 13777 on Enforcing the Regulatory Reform Agenda, proposed revisions to the Exceptional Events Rule, 2015 revision to the Ozone NAAQS, as well as recent presentations and Congressional testimony from AAPCA members on Exceptional Events issues.

AAPCA Member Call with U.S. EPA on Exceptional Events
Wednesday, August 30
1:30 – 2:45 PM Eastern
Call-in information: Personal Phone / Ex. 6 **Passcode:** Personal Phone / Ex. 6

Proposed Agenda:

1. **Welcome / Roll Call**

2. **U.S. EPA / AAPCA Introduction**

3. **Key AAPCA Member Concerns**

- Resource/staff time required for air agencies to develop and submit approvable exceptional events demonstrations.

- EPA should not limit the Exceptional Events Rule to certain regulatory actions/determinations.

- Process for EPA's review of exceptional event demonstrations.

- Time of review
- Regional inconsistency

- Tracking of submitted/approved/disapproved demonstrations
- EPA improperly approaches definitions of: "Event"; "human activity unlikely to recur at a particular location"; and, "not reasonably controllable or preventable."
- Uncertainty about absence of EPA guidance on certain aspects of the revised Exceptional Events Rule.
- EPA needs to allow and commit to coordinating for regional events and other specific categories of exceptional events.
- Potential requirements to consult Federal Land Managers.
- EPA requires that Smoke Management Plans be certified/non-voluntary.

4. **Other Questions and Comments**

Enclosed material:

- **Illustrative AAPCA member comments on:** Resource/Staff Time Requirements (pgs. 2 – 4); Limits on Regulatory Actions/Determinations (4 – 5); EPA's Review Process (5 – 6); Inappropriate Definitions of Statute Language (6); Uncertainty Due to Absence of EPA Guidance (6 – 7); Regional Events and Categories of Exceptional Events (7); Federal Land Manager Consultation (7 – 8); Smoke Management Plans (8)
- **Appendix A: Links to recent air agency comments and testimony on Exceptional Events Rule** – includes comments on EPA's regulatory reform (8 – 9), 2016 proposed revisions to the Exceptional Events Rule (9), 2015 proposed revision to the ozone NAAQS (9 – 10), and recent presentations and Congressional testimony (10 – 11)
- **Appendix B: Text of Clean Air Act, Section 319** (11 – 13)

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 10/1/2018 3:46:56 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting
Attachments: AAPCA 2018 Fall Business Meeting - DRAFT Agenda - New Dates - 10-01-18.pdf

Isabel, Josh,

I hope all is well! I am circling back to provide a current working draft of the agenda for AAPCA's rescheduled Fall Business Meeting, to be held November 13 – 15 in Raleigh, North Carolina. Attached is a PDF draft of the agenda, which reflects the new dates and corresponding timeslot for Assistant Administrator Wehrum (November 15, 8:45 AM). We have not yet distributed this updated version of the agenda and would be glad to work with you if any scheduling changes need made.

Please let me know if you have any questions.

Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

November 13-15 | DoubleTree Raleigh-Brownstone-University | Raleigh, North Carolina

From: Lewis, Josh <Lewis.Josh@epa.gov>
Sent: Wednesday, September 12, 2018 3:43 PM
To: Jason Sloan <jsloan@csg.org>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Hi Jason,

We'll have a chance to talk to Bill about this on Friday. We can follow up after to let you know how things are looking for the November dates.

Josh

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Wednesday, September 12, 2018 3:11 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Rescheduled: AAPCA 2018 Fall Business Meeting

Isabel, Josh,

I hope you are both well! I think you should have received the notice below, but I wanted to reach out to touch base on Bill Wehrum's availability for the rescheduled dates of November 13 – 15 for AAPCA's Fall Business Meeting.

If you have time to touch base this week, please let me know.

Thank you and apologies for any trouble,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Wednesday, September 12, 2018 2:08 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Rescheduled: AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Registrants,

Due to the forecasted impacts of Hurricane Florence on the United States Eastern Coast, the Association of Air Pollution Control Agencies (AAPCA) will not be holding the 2018 Fall Business Meeting next week in Raleigh, North Carolina. This email is to communicate several meeting-related details and updates.

- Rescheduled Dates / New Location. AAPCA has rescheduled the meeting for **November 13 – 15** at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University (1707 Hillsborough Street, Raleigh, North Carolina, 27605). A link to reserve rooms in the new hotel block at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University will be provided to all registrants when available.
  - *Note: The Raleigh Marriott Crabtree Valley Hotel will be canceling reservations in the previous hotel block for AAPCA's 2018 Fall Business Meeting, and those with room reservations do not need to contact the hotel directly. If you have any concerns and would like to contact the Raleigh Marriott Crabtree Valley Hotel, the number is (919) 781-7000.*
- Meeting Registration. All meeting registrations will be moved to the rescheduled dates for the 2018 Fall Business Meeting (November 13 – 15). For those individuals that are currently registered but unable to join the meeting for the rescheduled dates, AAPCA will provide the following options: (1) A full refund; or, (2) the opportunity to transfer the registration to AAPCA's 2019 Spring Meeting (March 25 – 27 in Baton Rouge, Louisiana). Please email jsloan@csg.org if you have specific questions about your registration status.
- Meeting Agenda. AAPCA will be working with previously confirmed speakers to maintain the agenda for the 2018 Fall Business Meeting, and will provide a more detailed agenda to all attendees as soon as possible. Currently, AAPCA intends to continue with the following meeting outline:

- November 13: Topical session on *Infrastructure* (1:00 – 3:30 PM) and Opening Reception (6:00 PM) [open to all governmental and non-governmental participants]
- November 14: Open session programming from 8:00 AM – 5:15 PM, to include AAPCA Best Practices Presentations and the Keynote Luncheon [open to all governmental and non-governmental participants]
- November 15: Closed session programming from 8:00 AM – 12:15 PM [limited to state, local, and federal attendees]

* Plane Flights. The terms and conditions of either canceling or rescheduling flights varies by individual airline. Please contact your airline for more information regarding their policies.

Thank you for your interest in AAPCA's 2018 Fall Business Meeting, and apologies for any inconvenience. Please contact Jason Sloan, AAPCA's Executive Director, at (859) 244-8043 or jsloan@csg.org with any questions or concerns.

Jason E. Sloan
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1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Monday, September 10, 2018 7:01 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Update on AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Registrants,

The Association of Air Pollution Control Agencies (AAPCA) is closely tracking Hurricane Florence and forecasted impacts along the United States East Coast, and is in contact with U.S. EPA and state agencies. By early this Wednesday, September 12, AAPCA intends to communicate a final decision to registered attendees and speakers concerning the scheduling of the 2018 Fall Business Meeting (currently scheduled for September 17 – 19 in Raleigh, North Carolina). Should the meeting be postponed or rescheduled, AAPCA will provide information regarding hotel reservations and meeting registration.

Thank you for your interest in AAPCA's 2018 Fall Business Meeting. If you have any questions regarding the meeting, please contact Jason Sloan, AAPCA's Executive Director, at jsloan@csg.org or (859) 244-8043.

Jason E. Sloan
Executive Director
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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

Meeting Agenda
DRAFT – 10/01/18

Tuesday, November 13
All sessions held in __, __ (unless otherwise noted)

10:00 AM – 5:30 PM **Registration**, ___

1:00 – 3:30 PM **Topical Session: Infrastructure** – *Moderated by Lynne Liddington, Knox County Air Quality Management* (open to all attendees)
- National Update/General Overview
  - Sean Slone, The Council of State Governments
- Infrastructure Planning
  - Vera Kornylak, U.S. EPA, Air Quality Policy Division
  - North Carolina Clean Energy Technology Center, North Carolina State University
  - Alex Bond, Edison Electric Institute
- IT/Networks
  - Craig Walton, AT&T
  - Leslie Rhodes, Mecklenburg County Air Quality

3:45 – 5:45 PM **AAPCA Air Directors/Board Business Session**
(Board members or their designees), ___

6:00 – 7:15 PM **Opening Reception**
(cash bar & hors d'oeuvres; open to all attendees), ___

Wednesday, November 14
*All sessions held in ___, ___ (unless otherwise noted) and **open to all attendees***

8:00 AM **Breakfast Buffet**

8:30 AM **Welcome/Opening Remarks**
- Sheila Holman, Assistant Secretary for Environment, North Carolina Department of Environmental Quality, and AAPCA Leadership

8:45 – 9:30 AM **2018 AAPCA Best Practice Presentations** – *Moderated by Robert Hodanbosi, Ohio Environmental Protection Agency*
- Georgia State Implementation Plan Processing Procedures
  - Dr. James Boylan, Georgia Environmental Protection Division
- Toxicity Factors Database
  - Tracie Phillips, Texas Commission on Environmental Quality

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- Inventory, Monitoring, Permitting, and Compliance Tracking (IMPACT) Web-based Data System
  - Adam Deppe, Wyoming Department of Environmental Quality

9:30 – 9:40 AM Break

9:40 – 10:10 AM **U.S. EPA Office of Air Quality Planning & Standards Priorities** – *Moderated by Jimmy Johnston, Tennessee Department of Environment & Conservation*
- Peter Tsirigotis, Director, U.S. EPA Office of Air Quality Planning & Standards

10:10 – 11:15 PM **NAAQS and Other Implementation Updates** – *Moderated by Vivian Aucoin, Louisiana Department of Environmental Quality and AAPCA Secretary/Treasurer*
- Megan Brachtl, U.S. EPA, Air Quality Policy Division, State & Local Programs Group
- Michael Ling, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group

11:15 AM – 12:00 PM **Mobile Sources Updates & Priorities** – *Moderated by Rhonda Thompson, South Carolina Department of Health & Environmental Control*
- Leila Cook, U.S. EPA Office of Transportation & Air Quality

12:10 – 1:10 PM **Lunch with Keynote Speaker** – *Introduction by Marc Cone, Maine Department of Environmental Protection*
- Dr. Armistead "Ted" Russell, Professor of Civil and Environmental Engineering, Georgia Institute of Technology

1:20 – 2:05 PM **U.S. EPA Office of General Counsel Updates** – *Moderated by Nancy Vehr, Wyoming Department of Environmental Quality and 2019 AAPCA President*
- Matthew Leopold, General Counsel, U.S. EPA

2:05 – 3:00 PM **State Perspectives on Ozone NAAQS Implementation** – *Moderated by Sean Alteri, Kentucky Department for Environmental Protection and 2017 AAPCA President*
- Keith Baugues, Indiana Department of Environmental Management
- Timothy Franquist, Jr., Arizona Department of Environmental Quality
- Steve Hagle, Texas Commission on Environmental Quality

3:00 – 3:10 PM Break

DRAFT

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3:10 – 4:00 PM **Permitting Updates** – *Moderated by John Dawson, Florida Department of Environmental Protection*

- Juan Santiago, U.S. EPA, Air Quality Policy Division
- Kelly Poole, Environmental Council of States (ECOS)

4:00 – 5:00 PM **Regional Haze Updates and Perspectives** – *Moderated by ___*

- Melinda Beaver, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group
- David Foerter, Mid-Atlantic/Northeast Visibility Union (MANE–VU) and Ozone Transport Commission
- Zac Adelman, Lake Michigan Air Directors Consortium (LADCO)

Dinner on your own

Thursday, November 15

Location: All sessions held in ___, ___ (unless otherwise noted) and ***Closed Session****, limited to AAPCA members and governmental attendees*

8:00 – 8:45 AM **Committee Breakout Breakfast**, ___

- Tables are labeled with each of AAPCA's 11 technical committees – AAPCA members and governmental attendees are encouraged to eat with a committee of interest.

8:45 – 9:45 AM **U.S. EPA Air & Radiation Priorities** – *Moderated by Stuart Spencer, Arkansas Department of Environmental Quality and AAPCA 2018 President*

- William Wehrum, Assistant Administrator, U.S. EPA Office of Air & Radiation

9:45 – 10:15 AM **Emerging Compounds Updates** – *Moderated by William Durham, West Virginia Department of Environmental Protection*

- Michael Pjetraj, North Carolina Department of Environmental Quality

10:15 – 10:25 AM Break

10:25 – 11:10 AM **AAPCA Member Roundtable: Wood Products** – *Moderated by ___, Mississippi Department of Environmental Quality*

- Karen Hays, Georgia Environmental Protection Division
- Eric Kennedy, Maine Department of Environmental Protection
- Michael Pjetraj, North Carolina Department of Environmental Quality

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11:10 AM – 12:10 PM **Modeling & Monitoring Updates –** *Moderated by Larry Brown, Alabama Department of Environmental Management*

- Nealson Watkins, U.S. EPA, Air Quality Assessment Division, Ambient Air Monitoring Group
- Brian Timin, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group
- Chris Owen, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group

12:10 PM **AAPCA Members-Only Lunch & Meeting Debrief**, ___

DRAFT

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Message

From: Jason Sloan [jsloan@csg.org]
Sent: 9/12/2018 7:55:12 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Josh,

Thanks – Please let me know if I can provide any additional information.

Jason E. Sloan
Executive Director
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http://www.cleanairact.org

From: Jason Sloan
Sent: Monday, September 10, 2018 7:01 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Update on AAPCA 2018 Fall Business Meeting

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Jason E. Sloan
Executive Director
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859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

June 26, 2018

Mr. William Wehrum
Assistant Administrator, Office of Air and Radiation (OAR)
U.S. Environmental Protection Agency (EPA)
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, D.C. 20460

Dear Assistant Administrator Wehrum,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we would like to invite you to attend and speak at AAPCA's 2018 Fall Business Meeting, which will be held from September 17 to 19 at the Raleigh Marriott Crabtree Valley in Raleigh, North Carolina. AAPCA is a consensus-driven organization representing more than 40 state and local air agencies on technical Clean Air Act issues. Regular attendance and participation by senior U.S. EPA officials at previous Association meetings has been greatly valued by our membership.

More information on AAPCA's 2018 Fall Business Meeting is available on our website (www.cleanairact.org). The meeting is closed to the press, and on September 19 programming will be limited to federal, state, and local agency personnel and their multijurisdictional organizations (with non-governmental attendees participating in the first two days). AAPCA's 2018 Spring Meeting included participation from more than 150 attendees, including senior officials from nearly 30 state and local air agencies, as well as nearly 20 staff from U.S. EPA.

Thank you for your consideration of our request. If your schedule permits, AAPCA's members look forward to seeing you in Raleigh and discussing opportunities to work together on Clean Air Act issues. If you have any questions, please contact Mr. Jason Sloan, AAPCA's Executive Director, at jsloan@csg.org or (859) 244-8043.

Sincerely,

Stuart Spencer
Associate Director
Arkansas Department of Environmental Quality
2018 President, AAPCA

Nancy Vehr
Air Quality Division Administrator
Wyoming Department of Environmental Quality
2019 President, AAPCA

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 8/27/2018 2:38:53 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
CC: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: Re: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Josh,

That would work great — I'll be in VT for the ECOS meeting through Wednesday.

Please let me know when the best time to talk would be.

Thanks!

Jason E. Sloan
AAPCA

On Aug 27, 2018, at 10:36 AM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:

> Hi Jason,
>
> Sorry I missed your call last Thursday. Can I give you a call back this Thursday to talk about Bill's speech? I'd like Isabel to be on the call as well, and she's out until Thursday. Let me know if that works. Thanks, Josh
>
> ---
>
> **From:** Jason Sloan [mailto:jsloan@csg.org]
> **Sent:** Tuesday, July 24, 2018 2:00 PM
> **To:** Lewis, Josh <Lewis.Josh@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
> **Subject:** FW: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC
>
> Josh, Isabel,
>
> I hope all is well! I am touching base concerning AAPCA's invitation to Assistant Administrator Wehrum to attend our 2018 Fall Business Meeting, specifically to see if AAPCA could provide any additional information that might helpful to confirm his attendance.
>
> Please let me know if I can send anything else your way.
>
> Thanks!
>
> Jason E. Sloan
> Executive Director
> Association of Air Pollution Control Agencies
> 1776 Avenue of the States
> Lexington, KY 40511
> 859.244.8043 – office
> jsloan@csg.org
> http://www.cleanairact.org

<image001.png>

From: Jason Sloan
Sent: Tuesday, June 26, 2018 11:30 AM
To: wehrum.bill@epa.gov
Cc: Lewis.Josh@epa.gov; DeLuca.Isabel@epa.gov; spencer@adeq.state.ar.us; nancy.vehr1@wyo.gov
Subject: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Assistant Administrator Wehrum,

I hope all is well! On behalf of the Association of Air Pollution Control Agencies (AAPCA), I am writing to invite you to attend and present at AAPCA's 2018 Fall Business Meeting, which will be held September 17 – 19 in Raleigh, North Carolina. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. More information on the Association's upcoming meeting is available in the enclosed, formal invitation from 2018 AAPCA President Stuart Spencer, Associate Director for the Arkansas DEQ, and 2018 AAPCA Vice President Nancy Vehr, Air Quality Division Administrator for the Wyoming DEQ.

Regular attendance and participation by senior U.S. EPA officials at AAPCA's meetings has been greatly valued by the Association's membership. AAPCA's 2018 Spring Meeting provided the opportunity for more than 150 attendees, including senior air officials from nearly 30 state and local environmental agencies, to interface with U.S. EPA staff from the Offices of the Administrator, Air and Radiation, Enforcement and Compliance Assurance, as well as several EPA regions. AAPCA members would be particularly interested in hearing from you about recent and upcoming priorities for the Office of Air and Radiation, as well as opportunities for continued engagement on issues like NAAQS review and implementation, interstate transport, air toxics, and resource priorities.

Thank you for your consideration. Please let me know if you have any questions about AAPCA's 2018 Fall Business Meeting, or if we can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

<image002.png>

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 8/10/2018 7:08:59 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC
Attachments: AAPCA 2018 Fall Business Meeting - DRAFT Agenda - 8-8-18.pdf

Josh,

Thanks so much for the confirmation – AAPCA members look forward to Assistant Administrator Wehrum's attendance. I have attached a current, working draft of the agenda, which has not been circulated outside of AAPCA's membership.

Currently, we have scheduled approximately one hour on the morning of Wednesday, September 19 (beginning at approximately 8:45 AM) for AA Wehrum to provide a presentation and take Q&A. The session is titled "U.S. EPA Air & Radiation Priorities," and will be moderated by Stuart Spencer, Associate Director for Arkansas DEQ and AAPCA 2018 President. Programing on September 19 is limited to governmental attendees and their multijurisdictional organization, and the meeting is closed to the press.

Please let me know if you have any questions or feedback, or would like to schedule a call to further discussion.

Thank you,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Lewis, Josh <Lewis.Josh@epa.gov>
Sent: Friday, August 10, 2018 2:53 PM
To: Jason Sloan <jsloan@csg.org>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Jason,

Apologies for the delay…just wanted to confirm that Bill Wehrum is planning to attend your fall business meeting on the morning of the 19th. Did you have a specific slot you were looking for him to fill? Is there an agenda for that day you can share?

Josh Lewis
Chief of Staff
EPA/Office of Air and Radiation
Office: 202 564 2095

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Tuesday, July 24, 2018 2:00 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: FW: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

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Please let me know if I can send anything else your way.

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Jason E. Sloan
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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

From: Jason Sloan
Sent: Tuesday, June 26, 2018 11:30 AM
To: wehrum.bill@epa.gov
Cc: Lewis.Josh@epa.gov; DeLuca.Isabel@epa.gov; spencer@adeq.state.ar.us; nancy.vehr1@wyo.gov
Subject: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Assistant Administrator Wehrum,

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Regular attendance and participation by senior U.S. EPA officials at AAPCA's meetings has been greatly valued by the Association's membership. AAPCA's 2018 Spring Meeting provided the opportunity for more than 150 attendees, including senior air officials from nearly 30 state and local environmental agencies, to interface with U.S. EPA staff from the Offices of the Administrator, Air and Radiation, Enforcement and Compliance Assurance, as well as several EPA regions. AAPCA members would be particularly interested in hearing from you about recent and upcoming priorities for the Office of Air and Radiation, as well as opportunities for continued engagement on issues like NAAQS review and implementation, interstate transport, air toxics, and resource priorities.

Thank you for your consideration. Please let me know if you have any questions about AAPCA's 2018 Fall Business Meeting, or if we can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

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September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

Draft Meeting Outline
(8/8/18)

Monday, September 17
(Location TBA, unless otherwise noted)

10:00 AM – 5:30 PM **Registration**, Location TBA

1:00 – 3:30 PM **Topical Session: Infrastructure** – *Moderated by Lynne Liddington, Knox County Air Quality*
(open to all attendees)
- National Update/General Overview
  - Sean Slone, The Council of State Governments
- Infrastructure Planning
  - Vera Kornylak, U.S. EPA, Air Quality Policy Division
  - U.S. EPA Clean Air Markets Division
  - Alex Bond, Edison Electric Institute
- IT/Networks
  - Leslie Rhodes, Mecklenburg County Air Quality
  - AT&T/U.S. Chamber of Commerce

3:45 – 5:45 PM **AAPCA Air Directors/Board Business Session**
(Board members or their designees), Location TBA

6:00 – 7:15 PM **Opening Reception**
(cash bar and hors d'oeuvres; open to all attendees), Location TBA

Tuesday, September 18
(All sessions held in Location TBA, unless otherwise noted, and **open to all attendees**)

8:00 AM **Breakfast Buffet**, Location TBA

8:30 AM **Welcome/Opening Remarks**
- Sheila Holman, Assistant Secretary for Environment, North Carolina Department of Environmental Quality, and AAPCA Leadership

8:45 – 9:30 AM **2018 AAPCA Best Practice Presentations** – *Moderated by Robert Hodanbosi, Ohio Environmental Protection Agency*

9:30 – 9:40 AM Break

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9:40 – 10:10 AM **U.S. EPA Office of Air Quality Planning & Standards Priorities** – *Moderated by*

- Peter Tsirigotis, Director, U.S. EPA Office of Air Quality Planning & Standards

10:10 – 11:15 PM **NAAQS and Other Implementation Updates** – *Moderated by Vivian Aucoin, Louisiana Department of Environmental Quality and AAPCA Secretary/Treasurer*

- Megan Brachtl, U.S. EPA, Air Quality Policy Division, State & Local Programs Group
- Michael Ling, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group

11:15 AM – 12:15 PM **Regional Haze Updates and Perspectives** – *Moderated by William Montgomery, Arkansas Department of Environmental Equality*

- Melinda Beaver, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group
- David Foerter, Mid-Atlantic/Northeast Visibility Union (MANE–VU) and Ozone Transport Commission

12:20 – 1:20 PM **Lunch with Keynote Speaker** – *Introduction by*

- Dr. Armistead "Ted" Russell, Professor of Civil and Environmental Engineering, Georgia Institute of Technology

1:25 – 2:15 PM **Clean Air Act Legal Brief** – *Moderated by*

2:15 – 3:15 PM **Air Agency Perspectives on Ozone NAAQS Implementation** – *Moderated by Sean Alteri, Kentucky Division for Air Quality and 2017 AAPCA President*

- Timothy Franquist, Jr., Arizona Department of Environmental Quality
- Steve Hagle, Texas Commission on Environmental Quality

3:15 – 3:25 PM Break

3:25 – 4:45 PM **Permitting Updates** – *Moderated by*

- Juan Santiago, U.S. EPA, Air Quality Policy Division

4:45 – 5:30 PM **Mobile Sources Updates & Priorities** – *Moderated by Rhonda Thompson, South Carolina Department of Health & Environmental Control*

- Christopher Grundler, Director, U.S. EPA Office of Transportation & Air Quality, and National Vehicle & Fuel Emissions Laboratory

Dinner on your own

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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

Wednesday, September 19

(All sessions held in Location TBA, unless otherwise noted, and **Closed Session**, limited to AAPCA members and governmental attendees)

8:00 – 8:45 AM **Committee Breakout Breakfast**

- Tables are labeled with each of AAPCA's 11 technical committees – AAPCA members and governmental attendees are encouraged to eat with a committee of interest.

8:45 – 9:45 AM **U.S. EPA Air & Radiation Priorities** – *Moderated by Stuart Spencer, Arkansas Department of Environmental Equality and AAPCA 2018 President*

- U.S. EPA Office of Air & Radiation

9:45 – 10:30 AM **Emerging Compounds Updates** – *Moderated by*

- Michael Pjetraj, North Carolina Department of Environmental Quality
- U.S. EPA

10:30 – 10:40 AM Break

10:40 – 11:25 AM **AAPCA Member Roundtable: Wood Products** – *Moderated by*

- Karen Hays, Georgia Environmental Protection Division
- Michael Pjetraj, North Carolina Department of Environmental Quality

11:25 AM – 12:30 PM **Modeling & Monitoring Updates** – *Moderated by*

- Nealson Watkins, U.S. EPA, Air Quality Assessment Division, Ambient Air Monitoring Group
- Brian Timin, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group
- Chris Owen, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group

12:30 PM **AAPCA Members-Only Lunch & Meeting Debrief**, Location TBA

DRAFT

ED_002402_00002259-00003

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 3/1/2019 6:08:04 PM
To: Jason Sloan [jsloan@csg.org]
Subject: AAPCA 2019 Spring Meeting - Hotel Deadline March 3
Attachments: ATT00001.txt

As a reminder, **Sunday, March 3** is the deadline to book rooms in the hotel block for the Association of Air Pollution Control Agencies' (AAPCA) 2019 Spring Meeting, and **Monday, March 11** is the registration deadline. AAPCA's 2019 Spring Meeting will be held March 25 to 27 at the Hilton Baton Rouge Capitol Center in downtown Baton Rouge, Louisiana. AAPCA's website includes a link to book rooms in the hotel block for the meeting at a rate of $105/night (plus applicable taxes and fees) and a meeting registration link. The registration rate is $150 for AAPCA members and personnel from local, state, and federal governments; the registration rate for non-governmental attendees is $375.

Registration Type	**Rate** (Click to Register)	**Days Included**
AAPCA Members and Governmental Attendees	$150.00	March 25, 26, 27
Non-Governmental Attendees	$375.00	March 25, 26
Hilton Baton Rouge Capitol Center	$105/night +taxes/fees Click here to book in meeting hotel block *Hotel Deadline: March 3, 2019*	

Spring Meeting Participation and Programming

AAPCA expects more than 125 attendees, including senior officials from more than 25 environmental agencies and participation from partners at U.S. EPA and several EPA Regions. A current draft of the open-session portion of the agenda can be found here – AAPCA will distribute a final agenda for the 2019 Spring Meeting to all registered participants approximately one week prior to the event. Included below are some key details for the meeting program:

- On **Monday, March 25th from 1:00 – 3:00 PM**, AAPCA's Spring Meeting will kick off with a topical session on *Risk/Environmental Communication*, which will include presentations from AAPCA state and local members and U.S. EPA. The topical session will be followed by AAPCA's closed Air Directors/Board Session and an Opening Reception later that evening. Both the Opening Reception and topical session will be open to all attendees.
- Programming on **Tuesday, March 26th** will run from approximately **8:00 AM to 5:30 PM** and will be open to all attendees. AAPCA has confirmed that Susan Bodine, Assistant Administrator for U.S. EPA's Office of Enforcement and Compliance Assurance, will provide the luncheon keynote.
- Sessions on **Wednesday, March 27th** will be limited to AAPCA members and governmental attendees, with programming from approximately **8:00 AM to 12:30 PM**. Speakers are currently scheduled from U.S. EPA's Office of Air & Radiation, EPA Regional Offices, and AAPCA state and local members.

Potential Group Tour on March 25

AAPCA is seeking feedback on an optional group tour of Louisiana State University's Center for River Studies at The Water Campus during the afternoon of **Monday, March 25** following the topical session (approximately 4:00 PM). The free tour will be open to all attendees who will not be attending the closed Air Directors/Board Session that afternoon and is about a 15 – 20 minute walk from the meeting hotel in downtown Baton Rouge. More information on LSU's Center for River Studies is available here – Please email Nick Kilby (nkilby@csg.org) if you are interested in joining a potential tour by **March 11** so that AAPCA can gauge interest.

We look forward to seeing you in Baton Rouge in a few weeks – Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 11/5/2018 4:53:04 PM
To: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: RE: AAPCA 2018 Fall Business Meeting Details

Isabel,

Thanks so much – please let me know if you all have any questions or need additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Sent: Monday, November 5, 2018 11:51 AM
To: Jason Sloan <jsloan@csg.org>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>; Atkinson, Emily <Atkinson.Emily@epa.gov>; Rakosnik, Delaney <rakosnik.delaney@epa.gov>
Subject: FW: AAPCA 2018 Fall Business Meeting Details

Hi Jason,
Thanks for the AAPCA agenda and registration list. In case we haven't sent it to you yet, attached is Bill's bio. (I don't believe Bill will be using slides.)

Thanks again,
Isabel

Isabel DeLuca
Deputy Director of Communications
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Monday, November 05, 2018 11:23 AM
To: Jason Sloan <jsloan@csg.org>
Subject: FW: AAPCA 2018 Fall Business Meeting Details

AAPCA Fall Business Meeting Speakers,

We look forward to seeing you next week – included below are a few reminders and updates about the meeting:

- Biography. If you have not already provided a biography, please send a 1 – 2 paragraph biography to nkilby@csg.org as soon as possible. Biographies will be provided to all attendees with other meeting materials.
- Presentation Materials. At the meeting, AAPCA will have a computer, screen package, podium, and head table with two microphones. Please provide a copy of any slides or presentation materials to jsloan@csg.org by 6:00 PM Eastern on Thursday, November 8. Please also let us know as soon as possible if you will need video, sound or internet capability for your presentation, or if there are any restrictions on placing slides or other presentation materials on AAPCA's website.
- Agenda & Session Information. Attached to this email is a current draft of the agenda for the 2018 Fall Business Meeting. Please let me know if there are any necessary changes to your title or the title of your session as soon as possible.

Please let me know if you have any other questions – Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Monday, November 5, 2018 11:14 AM
To: Jason Sloan <jsloan@csg.org>
Subject: AAPCA 2018 Fall Business Meeting Details

AAPCA 2018 Fall Business Meeting Attendees,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we look forward to your participation at the Association's upcoming 2018 Fall Business Meeting, to be held November 13 – 15 in Raleigh, North Carolina. This email provides a handful of details which may be useful ahead of the meeting:

- Location and Transportation. AAPCA's 2018 Fall Business Meeting will be held at the DoubleTree by Hilton Hotel Raleigh - Brownstone – University, located at 1707 Hillsborough Street in Raleigh, North Carolina. As the updated agenda (attached) indicates, registration and sessions will be on the second floor. Maps, directions, transportation and other hotel details can be found here. There is no direct shuttle from the airport, but taxis are available (estimated $32.00); if you drive, parking at the hotel is complimentary. Hotel check-in is at 3:00 PM and check-out is 11:00 AM. Links to nearby dining options are available here.
- Agenda. Attached is the current agenda for AAPCA's 2018 Fall Business Meeting. Electronic copies of presentations will be available on AAPCA's website (www.cleanairact.org) following the meeting. As a reminder, the topical session on *Infrastructure* and the Opening Reception on Tuesday, November 13 are open to all attendees, as is programming on Wednesday, November 14. Programs on Thursday, November 15 are limited to AAPCA members, governmental attendees, and multi-jurisdictional organization personnel. The AAPCA Board of Directors meeting on November 13 is intended for AAPCA Board Members or their proxies, but open to AAPCA Member staff and multi-jurisdictional organization personnel. AAPCA will send a separate email to Board Members and proxies with the agenda and other details for the Board Session.
- Registration. On-site meeting registration will be open Tuesday, November 13, from 10:00 AM – 5:30 PM, and Wednesday, November 14. The registration desk will be located in the second floor foyer. Please stop by so we can welcome you and provide your nametag and meeting packet.

- Dress. Business casual attire is acceptable for all events. Weather forecasts in Raleigh, NC, currently predict partly sunny from Tuesday to Thursday (highs in the upper-50s/lower-60s, and lows in the 30s and lower-40s).
- Attendees. Attached to this email is a list of attendees as of November 5, which includes approximately 140 participants. Please let jsloan@csg.org know as soon as possible if there are any edits to your contact information. If you are interested in receiving a certificate of attendance for the meeting, please email nkilby@csg.org by November 26.
- Assistance. If you have any questions, need assistance, or an emergency arises during the event, please contact one of the AAPCA staff members listed below:
    - Jason Sloan, AAPCA Executive Director, Personal Phone / Ex. 6 cell), jsloan@csg.org
    - Nick Kilby, AAPCA Policy & Membership Associate, Personal Phone / Ex. 6 cell), nkilby@csg.org
    - Gladys Parks, National Meeting Planner for The Council of State Governments, Personal Phone / Ex. 6 (cell), gparks@csg.org

We look forward to seeing you in Raleigh next week. Please let AAPCA know if you have any questions, concerns, or feedback. Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
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jsloan@csg.org
http://www.cleanairact.org

Message

From: DeLuca, Isabel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0B021C30CBEE4637A7C7CA683E5E044A-IDELUCA]
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To: Jason Sloan [jsloan@csg.org]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: FW: AAPCA 2018 Fall Business Meeting Details
Attachments: AAPCA 2018 Fall Business Meeting - November 13-15 - Raleigh - 11-05-18.pdf; AAPCA Fall Meeting Registration List - as of 11-05-2018.pdf; Bill Wehrum Bio.docx

Hi Jason,
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Thanks again,
Isabel

Isabel DeLuca
Deputy Director of Communications
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Monday, November 05, 2018 11:23 AM
To: Jason Sloan <jsloan@csg.org>
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- Biography. If you have not already provided a biography, please send a 1 – 2 paragraph biography to nkilby@csg.org as soon as possible. Biographies will be provided to all attendees with other meeting materials.
- Presentation Materials. At the meeting, AAPCA will have a computer, screen package, podium, and head table with two microphones. Please provide a copy of any slides or presentation materials to jsloan@csg.org by 6:00 PM Eastern on Thursday, November 8. Please also let us know as soon as possible if you will need video, sound or internet capability for your presentation, or if there are any restrictions on placing slides or other presentation materials on AAPCA's website.
- Agenda & Session Information. Attached to this email is a current draft of the agenda for the 2018 Fall Business Meeting. Please let me know if there are any necessary changes to your title or the title of your session as soon as possible.

Please let me know if you have any other questions – Thanks!

Jason E. Sloan

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From: Jason Sloan
Sent: Monday, November 5, 2018 11:14 AM
To: Jason Sloan <jsloan@csg.org>
Subject: AAPCA 2018 Fall Business Meeting Details

AAPCA 2018 Fall Business Meeting Attendees,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we look forward to your participation at the Association's upcoming 2018 Fall Business Meeting, to be held November 13 – 15 in Raleigh, North Carolina. This email provides a handful of details which may be useful ahead of the meeting:

- Location and Transportation. AAPCA's 2018 Fall Business Meeting will be held at the DoubleTree by Hilton Hotel Raleigh - Brownstone – University, located at 1707 Hillsborough Street in Raleigh, North Carolina. As the updated agenda (attached) indicates, registration and sessions will be on the second floor. Maps, directions, transportation and other hotel details can be found here. There is no direct shuttle from the airport, but taxis are available (estimated $32.00); if you drive, parking at the hotel is complimentary. Hotel check-in is at 3:00 PM and check-out is 11:00 AM. Links to nearby dining options are available here.
- Agenda. Attached is the current agenda for AAPCA's 2018 Fall Business Meeting. Electronic copies of presentations will be available on AAPCA's website (www.cleanairact.org) following the meeting. As a reminder, the topical session on *Infrastructure* and the Opening Reception on Tuesday, November 13 are open to all attendees, as is programming on Wednesday, November 14. Programs on Thursday, November 15 are limited to AAPCA members, governmental attendees, and multi-jurisdictional organization personnel. The AAPCA Board of Directors meeting on November 13 is intended for AAPCA Board Members or their proxies, but open to AAPCA Member staff and multi-jurisdictional organization personnel. AAPCA will send a separate email to Board Members and proxies with the agenda and other details for the Board Session.
- Registration. On-site meeting registration will be open Tuesday, November 13, from 10:00 AM – 5:30 PM, and Wednesday, November 14. The registration desk will be located in the second floor foyer. Please stop by so we can welcome you and provide your nametag and meeting packet.
- Dress. Business casual attire is acceptable for all events. Weather forecasts in Raleigh, NC, currently predict partly sunny from Tuesday to Thursday (highs in the upper-50s/lower-60s, and lows in the 30s and lower-40s).
- Attendees. Attached to this email is a list of attendees as of November 5, which includes approximately 140 participants. Please let jsloan@csg.org know as soon as possible if there are any edits to your contact information. If you are interested in receiving a certificate of attendance for the meeting, please email nkilby@csg.org by November 26.
- Assistance. If you have any questions, need assistance, or an emergency arises during the event, please contact one of the AAPCA staff members listed below:
    - Jason Sloan, AAPCA Executive Director, Personal Phone / Ex. 6 (cell), jsloan@csg.org
    - Nick Kilby, AAPCA Policy & Membership Associate, 5 Personal Phone / Ex. 6 (cell), nkilby@csg.org
    - Gladys Parks, National Meeting Planner for The Council of State Governments, Personal Phone / Ex. 6 (cell), gparks@csg.org

We look forward to seeing you in Raleigh next week. Please let AAPCA know if you have any questions, concerns, or feedback. Thanks!

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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

November 13-15 | DoubleTree Raleigh-Brownstone-University | Raleigh, North Carolina

Meeting Agenda

(as of 11/05/18)

Tuesday, November 13
All sessions held on 2nd Floor (unless otherwise noted)

10:00 AM – 5:30 PM **Registration**, *2nd Floor Foyer*

1:00 – 3:30 PM **Topical Session: Infrastructure** – *Moderated by Lynne Liddington, Knox County Air Quality Management* (open to all attendees)

- National Update/General Overview
  - Sean Slone, The Council of State Governments
- Infrastructure Planning
  - Vera Kornylak, U.S. EPA, Air Quality Policy Division
  - Alex Bond, Edison Electric Institute
  - Rick Sapienza, North Carolina Clean Energy Technology Center, North Carolina State University
- IT/Networks
  - Craig Walton, AT&T
  - Leslie Rhodes, Mecklenburg County Air Quality

3:45 – 5:45 PM **AAPCA Air Directors/Board Business Session**
(Board members or their designees), *TBA*

6:00 – 7:15 PM **Opening Reception**
(cash bar & hors d'oeuvres; open to all attendees), *TBA*

Wednesday, November 14
All sessions held on 2nd Floor (unless otherwise noted) and ***open to all attendees***

8:00 AM **Breakfast Buffet**

8:30 AM **Welcome/Opening Remarks**

- Sheila Holman, Assistant Secretary for Environment, North Carolina Department of Environmental Quality, and AAPCA Leadership

8:45 – 9:30 AM **2018 AAPCA Best Practice Presentations** – *Moderated by Robert Hodanbosi, Ohio Environmental Protection Agency*

9:30 – 9:40 AM Break

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9:40 – 10:40 AM **U.S. EPA Air & Radiation Priorities** – *Moderated by Nancy Vehr, Wyoming Department of Environmental Quality and 2019 AAPCA President*

- William Wehrum, Assistant Administrator, U.S. EPA Office of Air & Radiation

10:40 AM – 12:00 PM **NAAQS and Other Implementation Updates** – *Moderated by Vivian Aucoin, Louisiana Department of Environmental Quality and AAPCA Secretary/Treasurer*

- Megan Brachtl, U.S. EPA, Air Quality Policy Division, State & Local Programs Group
- Michael Ling, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group

12:05 – 1:10 PM **Lunch with Keynote Speaker** – *Introduction by Marc Cone, Maine Department of Environmental Protection and 2019 AAPCA Vice President*

- Dr. Armistead "Ted" Russell, Professor of Civil and Environmental Engineering, Georgia Institute of Technology

1:15 – 2:00 PM **Regional Haze Updates and Perspectives** – *Moderated by Amber Potts, Wyoming Department of Environmental Quality*

- Melinda Beaver, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group
- David Foerter, Mid-Atlantic/Northeast Visibility Union (MANE–VU) and Ozone Transport Commission
- Zac Adelman, Lake Michigan Air Directors Consortium (LADCO)

2:00 – 2:45 PM **Permitting Updates** – *Moderated by John Dawson, Florida Department of Environmental Protection*

- Juan Santiago, U.S. EPA, Air Quality Policy Division
- Kelly Poole, Environmental Council of States (ECOS)

2:45 – 2:55 PM Break

2:55 – 3:45 PM **Mobile Sources Updates & Priorities** – *Moderated by Rhonda Thompson, South Carolina Department of Health & Environmental Control*

- Leila Cook, U.S. EPA Office of Transportation & Air Quality

3:45 – 4:30 PM **Modeling & Monitoring Updates** – *Moderated by Larry Brown, Alabama Department of Environmental Management*

- Nealson Watkins, U.S. EPA, Air Quality Assessment Division, Ambient Air Monitoring Group
- Brian Timin, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group

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- Chris Owen, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group

4:30 – 5:15 PM **State Perspectives on Ozone NAAQS Implementation** – *Moderated by Sean Alteri, Kentucky Department for Environmental Protection*
- Keith Baugues, Indiana Department of Environmental Management
- Timothy Franquist, Arizona Department of Environmental Quality
- Steve Hagle, Texas Commission on Environmental Quality

Dinner on your own

Thursday, November 15
All sessions held on 2nd Floor (unless otherwise noted) and ***Closed Session****, limited to AAPCA members and governmental attendees*

8:00 – 8:55 AM **Committee Breakout Breakfast**, *TBA*
- Tables are labeled with each of AAPCA's 11 technical committees – AAPCA members and governmental attendees are encouraged to eat with a committee of interest.

9:00 – 9:45 AM **U.S. EPA Office of General Counsel Updates** – *Moderated by Stuart Spencer, Arkansas Department of Environmental Quality and AAPCA 2018 President*
- Matthew Leopold, General Counsel, U.S. EPA

9:45 – 10:15 AM **U.S. EPA Office of Air Quality Planning & Standards Priorities** – *Moderated by Jimmy Johnston, Tennessee Department of Environment & Conservation*
- Peter Tsirigotis, Director, U.S. EPA Office of Air Quality Planning & Standards

10:15 – 10:25 AM Break

10:25 – 11:00 AM **Emerging Compounds Updates** – *Moderated by Fred Durham, West Virginia Department of Environmental Protection*
- Michael Pjetraj, North Carolina Department of Environmental Quality

11:00 AM – 12:00 PM **AAPCA Member Roundtable: Wood Products** – *Moderated by Chad LaFontaine, Mississippi Department of Environmental Quality*
- Karen Hays, Georgia Environmental Protection Division
- Eric Kennedy, Maine Department of Environmental Protection
- Michael Pjetraj, North Carolina Department of Environmental Quality

12:00 PM **AAPCA Members-Only Lunch & Meeting Debrief**, *TBA*

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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

November 13–15 | Doubletree by Hilton | Raleigh, North Carolina

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Bio for Bill Wehrum

Bill Wehrum currently serves as the Assistant Administrator for the Office of Air and Radiation. Bill has a long history of public service, and his career includes more than 31 years of working in the environmental field through engineering, legal practice, and administrative duties. He previously served as EPA's Acting Assistant Administrator for Air and Radiation from 2005 to 2007, as well as Principal Deputy Assistant Administrator and counsel to the Assistant Administrator for Air and Radiation.

Bill most recently worked as a partner and head of the Administrative Law Group at Hunton & Williams LLP, where his practice focused on air quality issues.

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 9/7/2018 8:04:06 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC
Attachments: AAPCA 2018 Fall Business Meeting - DRAFT Agenda - 9-7-18.pdf

Isabel, Josh,

I hope all is well! I wanted to provide a current draft of the agenda for AAPCA's upcoming 2018 Fall Business Meeting in 10 days.

Please let me know if you have any questions.

Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Lewis, Josh <Lewis.Josh@epa.gov>
Sent: Thursday, August 30, 2018 8:54 AM
To: Jason Sloan <jsloan@csg.org>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Jason,

I now have a conflict at 9:30. Let me touch base w/ Isabel and we'll propose a new time.

Josh

From: Lewis, Josh
Sent: Monday, August 27, 2018 10:41 AM
To: 'Jason Sloan' <jsloan@csg.org>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Great. We'll shoot for 9:30, if that's good on your end

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Monday, August 27, 2018 10:39 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>

Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: Re: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Josh,

That would work great — I'll be in VT for the ECOS meeting through Wednesday.

Please let me know when the best time to talk would be.

Thanks!

Jason E. Sloan
AAPCA

On Aug 27, 2018, at 10:36 AM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:

> Hi Jason,
>
> Sorry I missed your call last Thursday. Can I give you a call back this Thursday to talk about Bill's speech? I'd like Isabel to be on the call as well, and she's out until Thursday. Let me know if that works. Thanks, Josh
>
> ---
>
> **From:** Jason Sloan [mailto:jsloan@csg.org]
> **Sent:** Tuesday, July 24, 2018 2:00 PM
> **To:** Lewis, Josh <Lewis.Josh@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
> **Subject:** FW: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC
>
> Josh, Isabel,
>
> I hope all is well! I am touching base concerning AAPCA's invitation to Assistant Administrator Wehrum to attend our 2018 Fall Business Meeting, specifically to see if AAPCA could provide any additional information that might helpful to confirm his attendance.
>
> Please let me know if I can send anything else your way.
>
> Thanks!
>
> Jason E. Sloan
> Executive Director
> Association of Air Pollution Control Agencies
> 1776 Avenue of the States
> Lexington, KY 40511
> 859.244.8043 – office
> jsloan@csg.org
> http://www.cleanairact.org
>
> <image001.png>
>
> ---
>
> **From:** Jason Sloan
> **Sent:** Tuesday, June 26, 2018 11:30 AM
> **To:** wehrum.bill@epa.gov

Cc: Lewis.Josh@epa.gov; DeLuca.Isabel@epa.gov; spencer@adeq.state.ar.us; nancy.vehr1@wyo.gov
Subject: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Assistant Administrator Wehrum,

I hope all is well! On behalf of the Association of Air Pollution Control Agencies (AAPCA), I am writing to invite you to attend and present at AAPCA's 2018 Fall Business Meeting, which will be held September 17 – 19 in Raleigh, North Carolina. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. More information on the Association's upcoming meeting is available in the enclosed, formal invitation from 2018 AAPCA President Stuart Spencer, Associate Director for the Arkansas DEQ, and 2018 AAPCA Vice President Nancy Vehr, Air Quality Division Administrator for the Wyoming DEQ.

Regular attendance and participation by senior U.S. EPA officials at AAPCA's meetings has been greatly valued by the Association's membership. AAPCA's 2018 Spring Meeting provided the opportunity for more than 150 attendees, including senior air officials from nearly 30 state and local environmental agencies, to interface with U.S. EPA staff from the Offices of the Administrator, Air and Radiation, Enforcement and Compliance Assurance, as well as several EPA regions. AAPCA members would be particularly interested in hearing from you about recent and upcoming priorities for the Office of Air and Radiation, as well as opportunities for continued engagement on issues like NAAQS review and implementation, interstate transport, air toxics, and resource priorities.

Thank you for your consideration. Please let me know if you have any questions about AAPCA's 2018 Fall Business Meeting, or if we can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

<image002.png>

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

Draft Meeting Agenda [9/7/18]

Monday, September 17

Location: All sessions held in Glenwood Ballroom Salon I, Main Level (unless otherwise noted)

10:00 AM – 5:30 PM **Registration**, *Glenwood Ballroom Foyer, Main Level*

1:00 – 3:30 PM **Topical Session: Infrastructure** – *Moderated by Lynne Liddington, Knox County Air Quality Management*
(open to all attendees)

- National Update/General Overview
  - Sean Slone, The Council of State Governments
- Infrastructure Planning
  - Vera Kornylak, U.S. EPA, Air Quality Policy Division
  - Steve Kalland, North Carolina Clean Energy Technology Center, North Carolina State University
  - Alex Bond, Edison Electric Institute
- IT/Networks
  - Craig Walton, AT&T
  - Leslie Rhodes, Mecklenburg County Air Quality

3:45 – 5:45 PM **AAPCA Air Directors/Board Business Session**
(Board members or their designees), *Creedmoor Room, Main Level*

6:00 – 7:15 PM **Opening Reception**
(cash bar and hors d'oeuvres; open to all attendees), *Glenwood Ballroom Salon I, Main Level*

Tuesday, September 18

Location: All sessions held in Glenwood Ballroom Salons I & II, Main Level (unless otherwise noted) and ***open to all attendees***

8:00 AM **Breakfast Buffet**, Location TBA

8:30 AM **Welcome/Opening Remarks**

- Sheila Holman, Assistant Secretary for Environment, North Carolina Department of Environmental Quality, and AAPCA Leadership

8:45 – 9:30 AM **2018 AAPCA Best Practice Presentations** – *Moderated by Robert Hodanbosi, Ohio Environmental Protection Agency*

9:30 – 9:40 AM Break

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9:40 – 10:10 AM	**U.S. EPA Office of Air Quality Planning & Standards Priorities** – *Moderated by Jimmy Johnston, Tennessee Department of Environment & Conservation* • Peter Tsirigotis, Director, U.S. EPA Office of Air Quality Planning & Standards
10:10 – 11:15 PM	**NAAQS and Other Implementation Updates** – *Moderated by Vivian Aucoin, Louisiana Department of Environmental Quality and AAPCA Secretary/Treasurer* • Megan Brachtl, U.S. EPA, Air Quality Policy Division, State & Local Programs Group • Michael Ling, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group
11:15 AM – 12:00 PM	**Mobile Sources Updates & Priorities** – *Moderated by Rhonda Thompson, South Carolina Department of Health & Environmental Control* • Christopher Grundler, Director, U.S. EPA Office of Transportation & Air Quality, and National Vehicle & Fuel Emissions Laboratory
12:10 – 1:10 PM	**Lunch with Keynote Speaker** – *Introduction by Marc Cone, Maine Department of Environmental Protection* • Dr. Armistead "Ted" Russell, Professor of Civil and Environmental Engineering, Georgia Institute of Technology
1:20 – 2:05 PM	**U.S. EPA Office of General Counsel Updates** – *Moderated by Nancy Vehr, Wyoming Department of Environmental Quality and 2019 AAPCA President* • Matthew Leopold, General Counsel, U.S. EPA
2:05 – 3:00 PM	**State Perspectives on Ozone NAAQS Implementation** – *Moderated by Sean Alteri, Kentucky Department for Environmental Protection and 2017 AAPCA President* • Keith Baugues, Indiana Department of Environmental Management • Timothy Franquist, Jr., Arizona Department of Environmental Quality • Steve Hagle, Texas Commission on Environmental Quality
3:00 – 3:10 PM	Break
3:10 – 4:00 PM	**Permitting Updates** – *Moderated by John Dawson, Florida Department of Environmental Protection* • Juan Santiago, U.S. EPA, Air Quality Policy Division • Kelly Poole, Environmental Council of States (ECOS)
4:00 – 5:00 PM	**Regional Haze Updates and Perspectives** – *Moderated by William Montgomery, Arkansas Department of Environmental Quality* • Melinda Beaver, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group

DRAFT

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- David Foerter, Mid-Atlantic/Northeast Visibility Union (MANE–VU) and Ozone Transport Commission
- Zac Adelman, Lake Michigan Air Directors Consortium (LADCO)

Dinner on your own

Wednesday, September 19

Location: All sessions held in Glenwood Ballroom Salon I, Main Level (unless otherwise noted) and ***Closed Session****, limited to AAPCA members and governmental attendees*

8:00 – 8:45 AM	**Committee Breakout Breakfast**, *Glenwood Ballroom Salon II* • Tables are labeled with each of AAPCA's 11 technical committees – AAPCA members and governmental attendees are encouraged to eat with a committee of interest.
8:45 – 9:45 AM	**U.S. EPA Air & Radiation Priorities** – *Moderated by Stuart Spencer, Arkansas Department of Environmental Quality and AAPCA 2018 President* • Bill Wehrum, Assistant Administrator, U.S. EPA Office of Air & Radiation
9:45 – 10:15 AM	**Emerging Compounds Updates** – *Moderated by William Durham, West Virginia Department of Environmental Protection* • Michael Pjetraj, North Carolina Department of Environmental Quality
10:15 – 10:25 AM	Break
10:25 – 11:10 AM	**AAPCA Member Roundtable: Wood Products** – *Moderated by Keith Head, Mississippi Department of Environmental Quality* • Karen Hays, Georgia Environmental Protection Division • Eric Kennedy, Maine Department of Environmental Protection • Michael Pjetraj, North Carolina Department of Environmental Quality
11:10 AM – 12:10 PM	**Modeling & Monitoring Updates** – *Moderated by Larry Brown, Alabama Department of Environmental Management* • Nealson Watkins, U.S. EPA, Air Quality Assessment Division, Ambient Air Monitoring Group • Brian Timin, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group • Chris Owen, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group
12:10 PM	**AAPCA Members-Only Lunch & Meeting Debrief**, *Glenwood Ballroom Salon II*

ED_002402_00002268-00003

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 10/3/2018 2:23:45 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting
Attachments: ATT00001.txt

Josh,

Thanks for the update. We are glad to accommodate for the morning of November 14, but would like some feedback on a few details to ensure we appropriately set the schedule. Would you have time this week for a short call to discuss?

Thank you,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Lewis, Josh <Lewis.Josh@epa.gov>
Sent: Wednesday, October 3, 2018 10:19 AM
To: Jason Sloan <jsloan@csg.org>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Hi Jason – yes, we need to work to re-schedule Bill. He's planning to do a day trip to NC on Tuesday 11/14…his plan would be to spend some time that morning at AAPCA (~2 hours) and then he would head to the OAQPS's offices for the remainder of the day before flying back to DC that night. Can you re-work the agenda so that he has a slot on the 14th?

Josh

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Monday, October 01, 2018 11:47 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Isabel, Josh,

I hope all is well! I am circling back to provide a current working draft of the agenda for AAPCA's rescheduled Fall Business Meeting, to be held November 13 – 15 in Raleigh, North Carolina. Attached is a PDF draft of the agenda, which reflects the new dates and corresponding timeslot for Assistant Administrator Wehrum (November 15, 8:45 AM). We have not yet distributed this updated version of the agenda and would be glad to work with you if any scheduling changes need made.

Please let me know if you have any questions.

Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Lewis, Josh <Lewis.Josh@epa.gov>
Sent: Wednesday, September 12, 2018 3:43 PM
To: Jason Sloan <jsloan@csg.org>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Hi Jason,

We'll have a chance to talk to Bill about this on Friday. We can follow up after to let you know how things are looking for the November dates.

Josh

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Wednesday, September 12, 2018 3:11 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Rescheduled: AAPCA 2018 Fall Business Meeting

Isabel, Josh,

I hope you are both well! I think you should have received the notice below, but I wanted to reach out to touch base on Bill Wehrum's availability for the rescheduled dates of November 13 – 15 for AAPCA's Fall Business Meeting.

If you have time to touch base this week, please let me know.

Thank you and apologies for any trouble,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511

859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Wednesday, September 12, 2018 2:08 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Rescheduled: AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Registrants,

Due to the forecasted impacts of Hurricane Florence on the United States Eastern Coast, the Association of Air Pollution Control Agencies (AAPCA) will not be holding the 2018 Fall Business Meeting next week in Raleigh, North Carolina. This email is to communicate several meeting-related details and updates.

- Rescheduled Dates / New Location. AAPCA has rescheduled the meeting for **November 13 – 15** at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University (1707 Hillsborough Street, Raleigh, North Carolina, 27605). A link to reserve rooms in the new hotel block at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University will be provided to all registrants when available.
  - *Note: The Raleigh Marriott Crabtree Valley Hotel will be canceling reservations in the previous hotel block for AAPCA's 2018 Fall Business Meeting, and those with room reservations do not need to contact the hotel directly. If you have any concerns and would like to contact the Raleigh Marriott Crabtree Valley Hotel, the number is (919) 781-7000.*
- Meeting Registration. All meeting registrations will be moved to the rescheduled dates for the 2018 Fall Business Meeting (November 13 – 15). For those individuals that are currently registered but unable to join the meeting for the rescheduled dates, AAPCA will provide the following options: (1) A full refund; or, (2) the opportunity to transfer the registration to AAPCA's 2019 Spring Meeting (March 25 – 27 in Baton Rouge, Louisiana). Please email jsloan@csg.org if you have specific questions about your registration status.
- Meeting Agenda. AAPCA will be working with previously confirmed speakers to maintain the agenda for the 2018 Fall Business Meeting, and will provide a more detailed agenda to all attendees as soon as possible. Currently, AAPCA intends to continue with the following meeting outline:
  - November 13: Topical session on *Infrastructure* (1:00 – 3:30 PM) and Opening Reception (6:00 PM) [open to all governmental and non-governmental participants]
  - November 14: Open session programming from 8:00 AM – 5:15 PM, to include AAPCA Best Practices Presentations and the Keynote Luncheon [open to all governmental and non-governmental participants]
  - November 15: Closed session programming from 8:00 AM – 12:15 PM [limited to state, local, and federal attendees]
- Plane Flights. The terms and conditions of either canceling or rescheduling flights varies by individual airline. Please contact your airline for more information regarding their policies.

Thank you for your interest in AAPCA's 2018 Fall Business Meeting, and apologies for any inconvenience. Please contact Jason Sloan, AAPCA's Executive Director, at (859) 244-8043 or jsloan@csg.org with any questions or concerns.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Monday, September 10, 2018 7:01 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Update on AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Registrants,

The Association of Air Pollution Control Agencies (AAPCA) is closely tracking Hurricane Florence and forecasted impacts along the United States East Coast, and is in contact with U.S. EPA and state agencies. By early this Wednesday, September 12, AAPCA intends to communicate a final decision to registered attendees and speakers concerning the scheduling of the 2018 Fall Business Meeting (currently scheduled for September 17 – 19 in Raleigh, North Carolina). Should the meeting be postponed or rescheduled, AAPCA will provide information regarding hotel reservations and meeting registration.

Thank you for your interest in AAPCA's 2018 Fall Business Meeting. If you have any questions regarding the meeting, please contact Jason Sloan, AAPCA's Executive Director, at jsloan@csg.org or (859) 244-8043.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 3/7/2018 4:40:33 PM
To: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: RE: Invitation - AAPCA March Air Directors Call
Attachments: Event Form OAR AA - AAPCA March Board Call.pdf

Isabel,

Thanks so much – the event form is attached. Please let me know if you have any questions.

Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]
Sent: Wednesday, March 7, 2018 11:18 AM
To: Jason Sloan <jsloan@csg.org>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Invitation - AAPCA March Air Directors Call

Hi Jason,

Many thanks for your recent invitation for Bill Wehrum to join AAPCA's upcoming Board/Air Directors call on March 15 at 2:00 pm. He would be pleased to accept this invitation. If you could fill out the attached event form and return at your convenience, that would be great.

Many thanks,

Isabel DeLuca
Deputy Director of Communications
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Tuesday, March 06, 2018 11:23 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>

Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: Invitation - AAPCA March Air Directors Call

Bill,

I hope all is well! I am emailing to extend an invitation to join AAPCA's upcoming Board/Air Directors Call, which will be held on March 15 at 2:00 PM Eastern.

If you are available for the first portion of the call (20 – 25 minutes), AAPCA's members would be interested in hearing updates and current priorities of the Office of Air and Radiation. This call would be particularly helpful ahead of the Association's Spring Meeting in Lexington, Kentucky, which will include attendance by senior officials from more than 20 environmental agencies as well as strong participation from U.S. EPA.

Thank you for your consideration – please let me know if I can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
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Lexington, KY 40511
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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 SPRING MEETING

April 4–6 | Hilton Lexington/Downtown | Lexington, Kentucky

Event Information Form

This form has been designed to assist in planning participation in events and activities.
This is not a confirmation of attendance.

Basic Background

Name of Event	AAPCA March Board / Air Directors Call
Sponsoring Organization	Association of Air Pollution Control Agencies (AAPCA)
Date of Event	3/15/18
Time of Event	2:00 PM Eastern
Expected time of remarks or participation by EPA official	2:05 PM Eastern (flexible)
Location (please include city/town and street address)	Conference call: Conference Call / Ex. 6 Room ID Conference Call / Ex. 6 #
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	N/A
Where to meet POC	N/A

Event Description and Role of the EPA official

Brief description or outline of the event	Monthly Air Directors Call
Brochure, invitation and/or other event material(s)	N/A
Agenda and order of speakers and biography/information of other speakers	AA Wehrum's remarks would comprise the first 20 – 25 minutes of the call.
Name of person introducing EPA official	Stuart Spencer, AAPCA 2018 President and Associate Director of Arkansas DEQ
Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	AAPCA will provide approximately the first 10 – 15 minutes for AA Wehrum to provide remarks/updates, followed by Q&A.
If the EPA official is a featured speaker, which topic(s) should they address and how long?	EPA Office of Air and Radiation updates and current priorities
What rules would the audience like to hear about?	Clean Power Plan; Regional Haze; 2008 and 2015 ozone NAAQS implementation rules; interstate transport; recent oil & gas (NSPS, CTGs) decisions; NSR/permitting updates
Will there be time for Q&A? If so, who will be moderating?	Yes – approximately 10 minutes, moderated by AAPCA President/Officers
Do you have a sense of the types of questions that may be asked?	Should be similar to topics and rules mentioned above.
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	Up to AA Wehrum's discretion – we are willing to distribute any presentation materials ahead of time
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	N/A

About the Audience

Please tell us about the make-up of the audience for the event:	State and local air directors and their staff, as well as multi-jurisdictional organizations
Expected number in attendance at the event	20 – 30 attendees on the call
Will it be largely members of your organization?	Yes
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	No
Others? (Please describe)	N/A
Is the event open to press?	No

Contact Information

Your name:	Jason Sloan
Telephone Number:	859-244-8043
Mailing Address:	1776 Avenue of the States Lexington, KY 40511
E-Mail Address:	jsloan@csg.org
Cell Phone Number:	Personal Phone / Ex. 6
Fax Number:	859-244-8001
Best way to reach you at the event?	N/A

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850
John Millett, Communications Director: 202-564-2903

Message

From: DeLuca, Isabel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0B021C30CBEE4637A7C7CA683E5E044A-IDELUCA]
Sent: 3/7/2018 4:20:14 PM
To: jsloan@csg.org
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: FW: Invitation - AAPCA March Air Directors Call
Attachments: Event Form OAR AA.DOCX

Hi Jason,

Many thanks for your recent invitation for Bill Wehrum to join AAPCA's upcoming Board/Air Directors call on March 15 at 2:00 pm. He would be pleased to accept this invitation. If you could fill out the attached event form and return at your convenience, that would be great.

Many thanks,

Isabel DeLuca
Deputy Director of Communications
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Tuesday, March 06, 2018 11:23 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: Invitation - AAPCA March Air Directors Call

Bill,

I hope all is well! I am emailing to extend an invitation to join AAPCA's upcoming Board/Air Directors Call, which will be held on March 15 at 2:00 PM Eastern.

If you are available for the first portion of the call (20 – 25 minutes), AAPCA's members would be interested in hearing updates and current priorities of the Office of Air and Radiation. This call would be particularly helpful ahead of the Association's Spring Meeting in Lexington, Kentucky, which will include attendance by senior officials from more than 20 environmental agencies as well as strong participation from U.S. EPA.

Thank you for your consideration – please let me know if I can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org

http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 SPRING MEETING

April 4–6 | Hilton Lexington/Downtown | Lexington, Kentucky

Event Information Form

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This is not a confirmation of attendance.

Basic Background

Name of Event	
Sponsoring Organization	
Date of Event	
Time of Event	
Expected time of remarks or participation by EPA official	
Location (please include city/town and street address)	
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	
Where to meet POC	

Event Description and Role of the EPA official

Brief description or outline of the event	
Brochure, invitation and/or other event material(s)	
Agenda and order of speakers and biography/information of other speakers	
Name of person introducing EPA official	
Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	
If the EPA official is a featured speaker, which topic(s) should they address and how long?	
What rules would the audience like to hear about?	
Will there be time for Q&A? If so, who will be moderating?	
Do you have a sense of the types of questions that may be asked?	
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	

About the Audience

Please tell us about the make-up of the audience for the event:	
Expected number in attendance at the event	
Will it be largely members of your organization?	
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	
Others? (Please describe)	
Is the event open to press?	

Contact Information

Your name:	
Telephone Number:	
Mailing Address:	
E-Mail Address:	
Cell Phone Number:	
Fax Number:	
Best way to reach you at the event?	

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850
John Millett, Communications Director: 202-564-2903

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 12/12/2017 2:32:41 PM
To: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Loving, Shanita [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=439ce9c2d2104080a1b5908d3402bf20-Loving, Shanita]
Subject: RE: AAPCA Air Directors Call on Dec. 14

Emily,

I wanted to circle back with you quickly on the topics provided below. The link provided may be helpful in terms of the transport conversation, but the report related to regulatory reform and permit streamlining can be found here (comments submitted by AAPCA can be found here) – apologies for any confusion.

We look forward to having Bill and Mandy join us on Thursday. Please let me know if I can provide any additional information.

Thanks!

Jason E. Sloan
Policy and Membership Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Friday, December 8, 2017 5:14 PM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>; Loving, Shanita <Loving.Shanita@epa.gov>
Subject: RE: AAPCA Air Directors Call on Dec. 14

Emily,

Thanks so much. We look forward to having Bill and Mandy on AAPCA's Air Directors call next Thursday. The call-in information is Ex. 6 Personal Privacy (PP) passcode Ex. 6 Personal Privacy (PP)

We are glad for any updates that Bill and Mandy can provide on key issues. In case it is helpful, AAPCA members are interested in updates/discussion on the following topics: SO2 NAAQS designations (Round 3 designations; modeling/monitoring issues); 2015 Ozone NAAQS (final designations; litigation); Interstate transport (Good Neighbor SIPS for 2008 and 2015 standards); SSM SIP Call; Clean Power Plan (ANPRM; 111(b) status); Regional Haze (status of petitions for reconsideration of rule revisions; development of streamlined approval process); and, additional recommendations from AAPCA member agencies in the context of EPA regulatory reform and permit streamlining efforts.

Please let us know if you have any questions.

Thanks!

Jason E. Sloan
Policy and Membership Associate
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Atkinson, Emily [mailto:Atkinson.Emily@epa.gov]
Sent: Thursday, December 7, 2017 10:31 AM
To: Jason Sloan <jsloan@csg.org>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>; Loving, Shanita <Loving.Shanita@epa.gov>
Subject: RE: AAPCA Air Directors Call on Dec. 14

Hi Jason,

Bill Wehrum has reviewed this request and is be pleased to join the AAPCA Board/Air Directors call on Thursday, December 14 at 2:00pm, along with Mandy Gunasekara.

We will hold 30 minutes on their calendars starting at 2:00pm EDT.

Please send the call in details when they become available.

Thank you.
Emily

Emily Atkinson
Management Analyst/Office Manager
Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Tuesday, December 05, 2017 4:53 PM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Millett, John <Millett.John@epa.gov>
Subject: AAPCA Air Directors Call on Dec. 14

Emily,

Thank you for your time this morning! On behalf of the Association of Air Pollution Control Agencies (AAPCA), I would like to invite Assistant Administrator Wehrum to join the Association's December Board/Air Directors call, which will be held at 2:00 PM Eastern on Thursday, December 14. AAPCA is the national association for more than 40 state and local air quality agencies, and senior officials from twenty state agencies serve on AAPCA's Board.

If Mr. Wehrum was able to join the first portion of the call (20 – 25 minutes or so), AAPCA would be interested welcoming him and providing him opportunity to cover any topics or issues that he might find important. We are glad to provide additional information on the call.

Thank you for the consideration. Please let me know if you have any questions.

Jason E. Sloan
Policy and Membership Associate
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: DeLuca, Isabel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0B021C30CBEE4637A7C7CA683E5E044A-IDELUCA]
Sent: 3/13/2018 3:40:52 PM
To: Jason Sloan [jsloan@csg.org]
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: RE: Invitation - AAPCA March Air Directors Call

Got it – thank you!

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Tuesday, March 13, 2018 11:08 AM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Invitation - AAPCA March Air Directors Call

Isabel,

I hope all is well! I am following up to share the call-in information for AAPCA's Board/Air Directors Call this Thursday, March 15 at 2:00 PM Eastern: Ex. 6 Personal Privacy (PP) Room ID: Ex. 6 Personal Privacy (PP)

Please let me know if I can provide any additional information about the call.

Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Wednesday, March 7, 2018 11:41 AM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Invitation - AAPCA March Air Directors Call

Isabel,

Thanks so much – the event form is attached. Please let me know if you have any questions.

Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies

1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]
Sent: Wednesday, March 7, 2018 11:18 AM
To: Jason Sloan <jsloan@csg.org>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Invitation - AAPCA March Air Directors Call

Hi Jason,

Many thanks for your recent invitation for Bill Wehrum to join AAPCA's upcoming Board/Air Directors call on March 15 at 2:00 pm. He would be pleased to accept this invitation. If you could fill out the attached event form and return at your convenience, that would be great.

Many thanks,

Isabel DeLuca
Deputy Director of Communications
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Tuesday, March 06, 2018 11:23 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: Invitation - AAPCA March Air Directors Call

Bill,

I hope all is well! I am emailing to extend an invitation to join AAPCA's upcoming Board/Air Directors Call, which will be held on March 15 at 2:00 PM Eastern.

If you are available for the first portion of the call (20 – 25 minutes), AAPCA's members would be interested in hearing updates and current priorities of the Office of Air and Radiation. This call would be particularly helpful ahead of the Association's Spring Meeting in Lexington, Kentucky, which will include attendance by senior officials from more than 20 environmental agencies as well as strong participation from U.S. EPA.

Thank you for your consideration – please let me know if I can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 SPRING MEETING

April 4–6 | Hilton Lexington/Downtown | Lexington, Kentucky

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 8/30/2018 12:55:09 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
CC: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Josh,

Works for me – my morning is pretty open today.

Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Lewis, Josh <Lewis.Josh@epa.gov>
Sent: Thursday, August 30, 2018 8:54 AM
To: Jason Sloan <jsloan@csg.org>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Jason,

I now have a conflict at 9:30. Let me touch base w/ Isabel and we'll propose a new time.

Josh

From: Lewis, Josh
Sent: Monday, August 27, 2018 10:41 AM
To: 'Jason Sloan' <jsloan@csg.org>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Great. We'll shoot for 9:30, if that's good on your end

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Monday, August 27, 2018 10:39 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: Re: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC

Josh,

That would work great — I'll be in VT for the ECOS meeting through Wednesday.

Please let me know when the best time to talk would be.

Thanks!

Jason E. Sloan
AAPCA

On Aug 27, 2018, at 10:36 AM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:

> Hi Jason,
>
> Sorry I missed your call last Thursday. Can I give you a call back this Thursday to talk about Bill's speech? I'd like Isabel to be on the call as well, and she's out until Thursday. Let me know if that works. Thanks, Josh
>
> ---
>
> **From:** Jason Sloan [mailto:jsloan@csg.org]
> **Sent:** Tuesday, July 24, 2018 2:00 PM
> **To:** Lewis, Josh <Lewis.Josh@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
> **Subject:** FW: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC
>
> Josh, Isabel,
>
> I hope all is well! I am touching base concerning AAPCA's invitation to Assistant Administrator Wehrum to attend our 2018 Fall Business Meeting, specifically to see if AAPCA could provide any additional information that might helpful to confirm his attendance.
>
> Please let me know if I can send anything else your way.
>
> Thanks!
>
> Jason E. Sloan
> Executive Director
> Association of Air Pollution Control Agencies
> 1776 Avenue of the States
> Lexington, KY 40511
> 859.244.8043 – office
> jsloan@csg.org
> http://www.cleanairact.org
>
> <image001.png>
>
> ---
>
> **From:** Jason Sloan
> **Sent:** Tuesday, June 26, 2018 11:30 AM
> **To:** wehrum.bill@epa.gov
> **Cc:** Lewis.Josh@epa.gov; DeLuca.Isabel@epa.gov; spencer@adeq.state.ar.us; nancy.vehr1@wyo.gov
> **Subject:** Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC
>
> Assistant Administrator Wehrum,

I hope all is well! On behalf of the Association of Air Pollution Control Agencies (AAPCA), I am writing to invite you to attend and present at AAPCA's 2018 Fall Business Meeting, which will be held September 17 – 19 in Raleigh, North Carolina. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. More information on the Association's upcoming meeting is available in the enclosed, formal invitation from 2018 AAPCA President Stuart Spencer, Associate Director for the Arkansas DEQ, and 2018 AAPCA Vice President Nancy Vehr, Air Quality Division Administrator for the Wyoming DEQ.

Regular attendance and participation by senior U.S. EPA officials at AAPCA's meetings has been greatly valued by the Association's membership. AAPCA's 2018 Spring Meeting provided the opportunity for more than 150 attendees, including senior air officials from nearly 30 state and local environmental agencies, to interface with U.S. EPA staff from the Offices of the Administrator, Air and Radiation, Enforcement and Compliance Assurance, as well as several EPA regions. AAPCA members would be particularly interested in hearing from you about recent and upcoming priorities for the Office of Air and Radiation, as well as opportunities for continued engagement on issues like NAAQS review and implementation, interstate transport, air toxics, and resource priorities.

Thank you for your consideration. Please let me know if you have any questions about AAPCA's 2018 Fall Business Meeting, or if we can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

<image002.png>

Appointment

From: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Sent: 10/30/2017 2:02:50 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]

Subject: Coffee
Location: Peet's, 435 11th St NW

Start: 11/6/2017 4:00:00 PM
End: 11/6/2017 5:00:00 PM
Show Time As: Tentative

Recurrence: (none)

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 2/5/2019 5:57:17 PM
To: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
CC: nancy.vehr1@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user59f14cc3]; Marc Cone [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userac5e2133]; Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]
Subject: RE: Invitation - AAPCA 2019 Spring Meeting (March 25 - 27 in Baton Rouge, LA)
Attachments: Event Form OAR AA.pdf; AAPCA 2019 Spring Meeting - Draft Agenda Outline - 02-05-2019.pdf

Isabel,

Thanks so much for the follow-up. AAPCA members would truly appreciate the opportunity to engage Assistant Administrator Wehrum at the Association's upcoming Spring Meeting. We have completed the form, which is attached to this email along with a current draft outline of the meeting agenda. We can provide a more complete agenda closer to the meeting.

Please let me know if you have any questions, or if we can provide any additional information.

Thank you,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Sent: Monday, February 4, 2019 12:26 PM
To: Jason Sloan <jsloan@csg.org>
Cc: nancy.vehr1@wyo.gov; Marc Cone <Marc.A.Cone@maine.gov>; Rakosnik, Delaney <rakosnik.delaney@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: RE: Invitation - AAPCA 2019 Spring Meeting (March 25 - 27 in Baton Rouge, LA)

Hi Jason,
Many thanks for your invitation to Bill Wehrum to present at AAPCA's 2019 Spring Meeting on March 27th. Bill would very much like to attend. When you are able, could you please fill out and return the attached speaker request form?

Thanks again,

Isabel DeLuca
Deputy Director of Communications
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan <jsloan@csg.org>
Sent: Tuesday, January 29, 2019 5:00 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: nancy.vehr1@wyo.gov; Marc Cone <Marc.A.Cone@maine.gov>
Subject: Invitation - AAPCA 2019 Spring Meeting (March 25 - 27 in Baton Rouge, LA)

Assistant Administrator Wehrum,

I hope you are well, and that everything is getting back to normal following the recent furlough. On behalf of the Association of Air Pollution Control Agencies (AAPCA), I am writing to invite you to attend and present at AAPCA's 2019 Spring Meeting, which will be held March 25 to 27 in Baton Rouge, Louisiana. AAPCA represents 47 state and local air agencies, and senior officials from 22 state environmental agencies currently sit on AAPCA's Board of Directors. More information on the Association's upcoming meeting is available in the enclosed, formal invitation from 2019 AAPCA President Nancy Vehr, Administrator for the Wyoming DEQ Air Quality Division, and 2019 AAPCA Vice President Marc Cone, Director for the Maine DEP Bureau of Air Quality.

If you are available to present, AAPCA members would be particularly interested in hearing from you about recent and upcoming priorities for the Office of Air and Radiation, as well as opportunities for continued engagement on issues like NAAQS review and implementation, diesel emission systems tampering and related standards, interstate transport, air toxics, and resource priorities. The meeting is closed press. Sessions on March 25 and 26 will be open to all attendees, while programming on March 27 will be limited to AAPCA members and governmental attendees.

Thank you for your consideration of this request. AAPCA's membership truly appreciated your participation at the Association's 2018 Fall Business Meeting, and we look forward to continuing a productive dialogue at our Spring Meeting in Baton Rouge. Please let me know if you have any questions, or if we can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2019 SPRING MEETING

March 25 – 27 | Hilton Baton Rouge Capitol Center | Baton Rouge, Louisiana

Draft Outline (as of 02/05/19)

Monday, March 25

10:00 AM – 5:30 PM	**Registration**
1:00 – 3:30 PM	**Topical Session: Risk / Environmental Communication** – *Moderated by TBA* (open to all attendees)
3:45 – 5:45 PM	**AAPCA Air Directors/Board Business Session** (Board members or their designees)
6:00 – 7:15 PM	**Opening Reception** (cash bar & hors d'oeuvres; open to all attendees)

Tuesday, March 26
(Open Session)

8:00 AM	**Breakfast Buffet**
8:30 AM	**Welcome & Opening Remarks** – *Secretary Dr. Chuck Carr Brown, Louisiana Department of Environmental Quality, and AAPCA Leadership*
8:30 – 9:30 AM	**U.S. EPA Air & Radiation Priorities** – *Moderated by TBA* *[Potential alternate time for AA Wehrum to speak]*
9:30 – 10:15 AM	**Upstream/Downstream: Oil & Gas Updates** – *Moderated by Vivian Aucoin, Louisiana Department of Environmental Quality*
10:15 – 10:45 AM	Networking Break
10:45 – 11:45 AM	**Ozone NAAQS Updates** – *Moderated by TBA*
11:50 AM – 12:55 PM	**Lunch with Keynote Speaker**
1:00 – 2:15 PM	**NAAQS / SIP / Permitting Updates** – *Moderated by TBA* • U.S. EPA Office of Air Quality Planning & Standards
2:15 – 3:00 PM	**State Perspectives on NAAQS Reviews** – *Moderated by TBA* • AAPCA Member Agencies
3:00 – 3:20 PM	Networking Break

DRAFT

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3:20 – 4:00 PM **Clean Air Act Legal Updates** – *Moderated by TBA*

4:00 – 4:45 PM **Presentation / Panel** – *Moderated by TBA*

4:45 – 5:30 PM **Enforcement & Compliance Updates** – *Moderated by TBA*

Dinner on your own

Wednesday, March 27

(Closed Session, limited to AAPCA members and governmental attendees)

8:00 – 8:45 AM **Committee Breakout Breakfast**
- Tables are labeled with each of AAPCA's 11 technical committees – AAPCA members and governmental attendees are encouraged to eat with a committee of interest.

8:45 – 9:45 AM **U.S. EPA Air & Radiation Priorities** – *Moderated by TBA*
[Preferred date and time for AA Wehrum to speak]

9:45 – 10:30 AM **Modeling, Monitoring, & Other Technical Updates** – *Moderated by TBA*
- U.S. EPA Office of Air Quality Planning & Standards
- AAPCA Member Agencies

10:30 – 10:45 AM Break

10:45 – 11:30 AM **AAPCA Member Roundtable: Title V** – *Moderated by TBA*
- AAPCA Member Agencies

11:30 AM – 12:15 PM **SO2 State Implementation Plan Updates** – *Moderated by Hastings Read, Florida Department of Environmental Protection*
- AAPCA Member Agencies

12:30 PM **AAPCA Members-Only Lunch & Meeting Debrief**

DRAFT

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Event Information Form

This form has been designed to assist in planning participation in events and activities.
This is not a confirmation of attendance.

Basic Background

Name of Event	AAPCA 2019 Spring Meeting
Sponsoring Organization	Association of Air Pollution Control Agencies (AAPCA)
Date of Event	March 25 – 27, 2019
Time of Event	- March 25, 1:00 – 3:30 PM - March 26, 8:00 AM – 5:30 PM - March 27, 8:00 AM – 12:00 PM (closed session)
Expected time of remarks or participation by EPA official	**Preferred date/time:** March 27, 8:30 – 9:30 AM (closed session, limited to AAPCA members and governmental attendees) **Alternate date/time:** March 26, times flexible (open session)
Location (please include city/town and street address)	Hilton Baton Rouge Capitol Center 201 Lafayette Street Baton Rouge, LA 70801
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	https://www3.hilton.com/en/hotels/louisiana/hilton-baton-rouge-capitol-center-BTRCPHF/maps-directions/index.html
Where to meet POC	AA Wehrum is welcome to join us for any or all of the meeting. We can have someone available to meet him in the lobby of the hotel as well.

Event Description and Role of the EPA official

Brief description or outline of the event	Biennial meeting of state and local air pollution control agencies
Brochure, invitation and/or other event material(s)	https://cleanairact.org/events/meetings.aspx
Agenda and order of speakers and biography/information of other speakers	Draft/Outline Agenda Attached
Name of person introducing EPA official	Nancy Vehr, Air Quality Administrator, Wyoming Department of Environmental Quality, and AAPCA 2019 President (or another AAPCA officer)
Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	AA Wehrum would provide a presentation as part of an approximately 1-hour session that would include a speaker introduction, his remarks, and a Q&A with attendees.
If the EPA official is a featured speaker, which topic(s) should they address and how long?	- Administration priorities related to core Clean Air Act responsibilities, cooperative federalism, and current legal considerations involving CAA rules. - NAAQS implementation challenges - Permit streamlining

	- Opportunities for increased state/local representation in the rulemaking and advisory process. AAPCA has not designated any time allotments for these specific topics.
What rules would the audience like to hear about?	Affordable Clean Energy (ACE) Rule and revised 111(b) rule; ozone and PM NAAQS reviews; regional haze; mobile source priorities (including updated tampering policy and heavy-duty NOX standard); "once in, always in" and other air toxics priorities; New Source Review/permitting updates.
Will there be time for Q&A? If so, who will be moderating?	Yes. An AAPCA officer will moderate.
Do you have a sense of the types of questions that may be asked?	Should be similar to topics and rules mentioned above.
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	It is up to AA Wehrum's discretion, but we will have A/V capability for any slides or presentations.
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	Classroom-style seating, including a head table. A podium with microphone will also be available for presentations.

About the Audience

Please tell us about the make-up of the audience for the event:	Attendees will primarily consist of state and local air directors and their staff, but participation will also include EPA staff, multi-jurisdictional organizations, and some interested Clean Air Act professionals. The meeting is closed press. March 25 and 26 will be open to all attendees, while March 27 will be limited to EPA, state, and local personnel and their multi-jurisdictional organization staff. All attendees should have a good grasp of recent Clean Air Act developments and associated acronyms.
Expected number in attendance at the event	120 – 140 for the entire meeting
Will it be largely members of your organization?	Yes
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	Indicated above
Others? (Please describe)	Indicated above
Is the event open to press?	No

Contact Information

Your name:	Jason Sloan, Executive Director
Telephone Number:	859-244-8043 - office
Mailing Address:	1776 Avenue of the States Lexington, KY 40511
E-Mail Address:	jsloan@csg.org
Cell Phone Number:	Personal Phone / Ex. 6
Fax Number:	859-244-8001
Best way to reach you at the event?	Cell

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850

John Millett, Communications Director: 202-564-2903

Appointment

From: Clint Woods [cwoods@csg.org]
Sent: 8/7/2017 4:56:24 PM
CC: Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]; Wood, Anna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=39055f080135414ca3b8c18d4f578755-AWood02]

Subject: EPA-AAPCA Call on Exceptional Events
Location: Call-In Number: Conference Call/ Ex. 6 Passcode: Conference Call/ Ex. 6

Start: 8/30/2017 5:30:00 PM
End: 8/30/2017 6:30:00 PM
Show Time As: Tentative

Recurrence: (none)

AAPCA will circulate a suggested agenda as well as a compilation of resources/air agency comments ahead of August 30 call – Thanks!

Message

From: DeLuca, Isabel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0B021C30CBEE4637A7C7CA683E5E044A-IDELUCA]
Sent: 2/4/2019 5:25:05 PM
To: jsloan@csg.org
CC: nancy.vehr1@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user59f14cc3]; Marc Cone [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userac5e2133]; Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]
Subject: RE: Invitation - AAPCA 2019 Spring Meeting (March 25 - 27 in Baton Rouge, LA)
Attachments: Event Form OAR AA.DOCX

Hi Jason,
Many thanks for your invitation to Bill Wehrum to present at AAPCA's 2019 Spring Meeting on March 27th. Bill would very much like to attend. When you are able, could you please fill out and return the attached speaker request form?

Thanks again,

Isabel DeLuca
Deputy Director of Communications
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan <jsloan@csg.org>
Sent: Tuesday, January 29, 2019 5:00 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: nancy.vehr1@wyo.gov; Marc Cone <Marc.A.Cone@maine.gov>
Subject: Invitation - AAPCA 2019 Spring Meeting (March 25 - 27 in Baton Rouge, LA)

Assistant Administrator Wehrum,

I hope you are well, and that everything is getting back to normal following the recent furlough. On behalf of the Association of Air Pollution Control Agencies (AAPCA), I am writing to invite you to attend and present at AAPCA's 2019 Spring Meeting, which will be held March 25 to 27 in Baton Rouge, Louisiana. AAPCA represents 47 state and local air agencies, and senior officials from 22 state environmental agencies currently sit on AAPCA's Board of Directors. More information on the Association's upcoming meeting is available in the enclosed, formal invitation from 2019 AAPCA President Nancy Vehr, Administrator for the Wyoming DEQ Air Quality Division, and 2019 AAPCA Vice President Marc Cone, Director for the Maine DEP Bureau of Air Quality.

If you are available to present, AAPCA members would be particularly interested in hearing from you about recent and upcoming priorities for the Office of Air and Radiation, as well as opportunities for continued engagement on issues like NAAQS review and implementation, diesel emission systems tampering and related standards, interstate transport, air toxics, and resource priorities. The meeting is closed press. Sessions on March 25 and 26 will be open to all attendees, while programming on March 27 will be limited to AAPCA members and governmental attendees.

Thank you for your consideration of this request. AAPCA's membership truly appreciated your participation at the Association's 2018 Fall Business Meeting, and we look forward to continuing a productive dialogue at our Spring Meeting in Baton Rouge. Please let me know if you have any questions, or if we can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Clint Woods [cwoods@csg.org]
Sent: 3/2/2017 6:57:23 PM
To: Drinkard, Andrea [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=808a6b7b65bf447f93dad2f510feaf61-ADRINKAR]
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: RE: Speaking Invitation for AAPCA's 2017 Spring Business Meeting, March 27 - 29 in Tucson

Andrea,

Sorry for the delay and thanks so much for the update – We appreciate the consideration and confirmation, and look forward to being joined by OAQPS leadership in Tucson.

Clint Woods
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8040 – office
cwoods@csg.org
http://www.cleanairact.org

From: Drinkard, Andrea [mailto:Drinkard.Andrea@epa.gov]
Sent: Wednesday, March 01, 2017 2:53 PM
To: Clint Woods
Cc: Atkinson, Emily; Lewis, Josh
Subject: RE: Speaking Invitation for AAPCA's 2017 Spring Business Meeting, March 27 - 29 in Tucson

Hi Clint,

I wanted to close the loop with you on your invitation for Sarah Dunham to speak at your Spring Business Meeting. I understand after speaking with Mike Koerber that the two of you have worked out OAQPS' participation. I believe he also alluded to the fact that Sarah's calendar would likely not be able to accommodate a trip out to Tucson for your Spring meeting in March. I am writing to confirm that Sarah will not be able to make the meeting. We really do appreciate your invitation and know that Mike and the OAQPS team will do a great job covering for the air office.

Thanks so much and please stay in touch, and keep us in mind, for future opportunities. We hope you have a great meeting!

-Andrea-

Andrea Drinkard
Deputy Communications Director
EPA Office of Air and Radiation
202.564.1601

From: Clint Woods [mailto:cwoods@csg.org]
Sent: Monday, January 30, 2017 8:53 AM
To: Dunham, Sarah <Dunham.Sarah@epa.gov>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>; McMichael.nathaniel@Epa.gov; VonDemHagen, Rebecca

<VonDemHagen.Rebecca@epa.gov>; Drinkard, Andrea <Drinkard.Andrea@epa.gov>
Subject: Speaking Invitation for AAPCA's 2017 Spring Business Meeting, March 27 - 29 in Tucson

Acting Assistant Administrator Dunham,

I hope all is well! I am writing to inquire about your potential availability to present at the Association of Air Pollution Control Agencies' 2017 Spring Meeting, to be held March 27 – 29, 2017 Tucson, Arizona. As you may know, AAPCA is a consensus-driven organization representing state and local air agencies on technical Clean Air Act issues, and our members would benefit greatly from updates regarding the Agency's Office of Air and Radiation and Office of Atmospheric Programs. We are targeting the morning or afternoon of Tuesday, March 28 (open session) or the session limited to local, state, and federal personnel on the morning of March 29. The meeting is closed to the press. We expect strong participation from senior officials representing more than 20 state and local air agencies as well as U.S. EPA. The meeting will be held at the Hilton Tucson East Hotel.

I have attached a formal invitation, but please let me know if you have any questions or if there is anything I can do to help facilitate this request. I know our members have very much appreciated attendance and dialogue with OAR's Acting Assistant Administrators at our past Association events, and, if you're available and interested, we look forward to seeing you in Arizona.

Thanks so much for your consideration.

Clint Woods
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8040 – office
cwoods@csg.org
http://www.cleanairact.org

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 12/18/2017 9:48:04 PM
To: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Loving, Shanita [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=439ce9c2d2104080a1b5908d3402bf20-Loving, Shanita]
Subject: RE: AAPCA Air Directors Call on Dec. 14

Emily,

On behalf of our members, thank you for working with AAPCA to include Assistant Administrator Wehrum on the Association's Air Directors call last week. AAPCA members found it informative and appreciated the important updates. If it is helpful, below is the list of state and local agencies that were on the line, as well as their multi-jurisdictional organizations (MJOs):

- STATES: Alabama, Arkansas, Florida, Georgia, Indiana, Kentucky, Louisiana, Maine, Mississippi, Nevada, North Carolina, Ohio, South Carolina, Tennessee, Texas, Virginia, and Wyoming
- LOCAL AGENCIES: Chattanooga-Hamilton County APCB (TN), Jefferson County DOH (AL), Knox County AQM (TN), Manatee County EMD (FL), Mecklenburg County AQ (NC), Omaha AQCD (NE), San Joaquin Valley APCD (CA), and Yolo-Solano AQMD (CA)
- MJOs: Lake Michigan Air Directors Consortium (LADCO), Western States Air Resources Council (WESTAR), Central States Air Resource Agencies (CenSARA), and Southeastern Air Pollution Control Agencies (Metro 4/SESARM)

Please let me know if you have any questions, or if we can provide any additional information.

Thanks!

Jason E. Sloan
Policy and Membership Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Atkinson, Emily [mailto:Atkinson.Emily@epa.gov]
Sent: Thursday, December 7, 2017 10:31 AM
To: Jason Sloan <jsloan@csg.org>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>; Loving, Shanita <Loving.Shanita@epa.gov>
Subject: RE: AAPCA Air Directors Call on Dec. 14

Hi Jason,

Bill Wehrum has reviewed this request and is be pleased to join the AAPCA Board/Air Directors call on Thursday, December 14 at 2:00pm, along with Mandy Gunasekara.

We will hold 30 minutes on their calendars starting at 2:00pm EDT.

Please send the call in details when they become available.

Thank you.
Emily

Emily Atkinson
Management Analyst/Office Manager
Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Tuesday, December 05, 2017 4:53 PM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Millett, John <Millett.John@epa.gov>
Subject: AAPCA Air Directors Call on Dec. 14

Emily,

Thank you for your time this morning! On behalf of the Association of Air Pollution Control Agencies (AAPCA), I would like to invite Assistant Administrator Wehrum to join the Association's December Board/Air Directors call, which will be held at 2:00 PM Eastern on Thursday, December 14. AAPCA is the national association for more than 40 state and local air quality agencies, and senior officials from twenty state agencies serve on AAPCA's Board.

If Mr. Wehrum was able to join the first portion of the call (20 – 25 minutes or so), AAPCA would be interested welcoming him and providing him opportunity to cover any topics or issues that he might find important. We are glad to provide additional information on the call.

Thank you for the consideration. Please let me know if you have any questions.

Jason E. Sloan
Policy and Membership Associate
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 11/27/2018 9:06:46 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Coffee Thursday morning?

I'm free all morning, if you're around

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 10/25/2018 2:49:13 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Re: ACE meeting request

Yes we are. Are you in the new building yet?

Alex Dominguez handles Mandy's calendar. You can email him directly to request a meeting (Dominguez.alexander@epa.gov) or I can pass along an email to him.

On Oct 25, 2018, at 10:27 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:

> Hi Josh-
>
> Hope you are doing well. We are certainly overdue for coffee.
>
> Can you tell me the process for requesting a meeting with Mandy to talk about the ACE rule? It would essentially be around a few of the key issues in our soon-to-be submitted comments.
>
> Thanks, Venu
>
> <!--[if !vml]--><image002.jpg><!--[endif]-->Venu Ghanta
> *Federal Regulatory Affairs Director*
> 325 7th Street NW, Suite 300, Washington, DC 20004
> Office: 202-824-8013
> Cell: 202-699-2337

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 5:07:47 PM
To: daniel.chartier@nreca.coop; Amanda.Chowning@nreca.coop
Subject: Touching base ahead of your meeting tomorrow w/ Acting Administrator Wheeler

Hi Daniel and Amanda,

My boss Bill Wehrum will be participating in the NRECA meeting tomorrow at 3. Could one of you give me a call this afternoon...wanted to touch base on the issues that will come up so I can get a memo to Bill and Administrator Wheeler by the end of the day. Thanks

Josh Lewis
Chief of Staff
EPA/Office of Air and Radiation
Office: 202 564 2095

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/21/2019 4:38:47 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: coffee?

Sure! Next Thursday?

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Monday, February 18, 2019 4:02 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: coffee?

Hi Josh-

Hope you're well. Want to grab coffee sometime soon?

-Venu

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 10/3/2018 2:33:04 PM
To: Jason Sloan [jsloan@csg.org]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Sure. I'm free now until 12:30 today and tomorrow morning between 9-10.

Josh
202 564 2095

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Wednesday, October 03, 2018 10:24 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Josh,

Thanks for the update. We are glad to accommodate for the morning of November 14, but would like some feedback on a few details to ensure we appropriately set the schedule. Would you have time this week for a short call to discuss?

Thank you,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Lewis, Josh <Lewis.Josh@epa.gov>
Sent: Wednesday, October 3, 2018 10:19 AM
To: Jason Sloan <jsloan@csg.org>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Hi Jason – yes, we need to work to re-schedule Bill. He's planning to do a day trip to NC on Tuesday 11/14…his plan would be to spend some time that morning at AAPCA (~2 hours) and then he would head to the OAQPS's offices for the remainder of the day before flying back to DC that night. Can you re-work the agenda so that he has a slot on the 14th?

Josh

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Monday, October 01, 2018 11:47 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Isabel, Josh,

I hope all is well! I am circling back to provide a current working draft of the agenda for AAPCA's rescheduled Fall Business Meeting, to be held November 13 – 15 in Raleigh, North Carolina. Attached is a PDF draft of the agenda, which reflects the new dates and corresponding timeslot for Assistant Administrator Wehrum (November 15, 8:45 AM). We have not yet distributed this updated version of the agenda and would be glad to work with you if any scheduling changes need made.

Please let me know if you have any questions.

Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Lewis, Josh <Lewis.Josh@epa.gov>
Sent: Wednesday, September 12, 2018 3:43 PM
To: Jason Sloan <jsloan@csg.org>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Rescheduled: AAPCA 2018 Fall Business Meeting

Hi Jason,

We'll have a chance to talk to Bill about this on Friday. We can follow up after to let you know how things are looking for the November dates.

Josh

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Wednesday, September 12, 2018 3:11 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Rescheduled: AAPCA 2018 Fall Business Meeting

Isabel, Josh,

I hope you are both well! I think you should have received the notice below, but I wanted to reach out to touch base on Bill Wehrum's availability for the rescheduled dates of November 13 – 15 for AAPCA's Fall Business Meeting.

If you have time to touch base this week, please let me know.

Thank you and apologies for any trouble,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Wednesday, September 12, 2018 2:08 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Rescheduled: AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Registrants,

Due to the forecasted impacts of Hurricane Florence on the United States Eastern Coast, the Association of Air Pollution Control Agencies (AAPCA) will not be holding the 2018 Fall Business Meeting next week in Raleigh, North Carolina. This email is to communicate several meeting-related details and updates.

- Rescheduled Dates / New Location. AAPCA has rescheduled the meeting for **November 13 – 15** at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University (1707 Hillsborough Street, Raleigh, North Carolina, 27605). A link to reserve rooms in the new hotel block at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University will be provided to all registrants when available.
  - *Note: The Raleigh Marriott Crabtree Valley Hotel will be canceling reservations in the previous hotel block for AAPCA's 2018 Fall Business Meeting, and those with room reservations do not need to contact the hotel directly. If you have any concerns and would like to contact the Raleigh Marriott Crabtree Valley Hotel, the number is (919) 781-7000.*
- Meeting Registration. All meeting registrations will be moved to the rescheduled dates for the 2018 Fall Business Meeting (November 13 – 15). For those individuals that are currently registered but unable to join the meeting for the rescheduled dates, AAPCA will provide the following options: (1) A full refund; or, (2) the opportunity to transfer the registration to AAPCA's 2019 Spring Meeting (March 25 – 27 in Baton Rouge, Louisiana). Please email jsloan@csg.org if you have specific questions about your registration status.
- Meeting Agenda. AAPCA will be working with previously confirmed speakers to maintain the agenda for the 2018 Fall Business Meeting, and will provide a more detailed agenda to all attendees as soon as possible. Currently, AAPCA intends to continue with the following meeting outline:
  - November 13: Topical session on *Infrastructure* (1:00 – 3:30 PM) and Opening Reception (6:00 PM) [open to all governmental and non-governmental participants]
  - November 14: Open session programming from 8:00 AM – 5:15 PM, to include AAPCA Best Practices Presentations and the Keynote Luncheon [open to all governmental and non-governmental participants]
  - November 15: Closed session programming from 8:00 AM – 12:15 PM [limited to state, local, and federal attendees]
- Plane Flights. The terms and conditions of either canceling or rescheduling flights varies by individual airline. Please contact your airline for more information regarding their policies.

Thank you for your interest in AAPCA's 2018 Fall Business Meeting, and apologies for any inconvenience. Please contact Jason Sloan, AAPCA's Executive Director, at (859) 244-8043 or jsloan@csg.org with any questions or concerns.

Jason E. Sloan
Executive Director

Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Monday, September 10, 2018 7:01 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Update on AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Registrants,

The Association of Air Pollution Control Agencies (AAPCA) is closely tracking Hurricane Florence and forecasted impacts along the United States East Coast, and is in contact with U.S. EPA and state agencies. By early this Wednesday, September 12, AAPCA intends to communicate a final decision to registered attendees and speakers concerning the scheduling of the 2018 Fall Business Meeting (currently scheduled for September 17 – 19 in Raleigh, North Carolina). Should the meeting be postponed or rescheduled, AAPCA will provide information regarding hotel reservations and meeting registration.

Thank you for your interest in AAPCA's 2018 Fall Business Meeting. If you have any questions regarding the meeting, please contact Jason Sloan, AAPCA's Executive Director, at jsloan@csg.org or (859) 244-8043.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/26/2019 2:04:12 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: coffee?

Yes, let's keep the 8th

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Monday, February 25, 2019 5:46 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Re: coffee?

I am unfortunately tied up with meetings most of the day on March 1. Let's stick with 3/8 if that still works for you.

On Feb 25, 2019, at 4:35 PM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:

> Just now realizing I suggested a date two weeks out (March 8th instead of March 1st). Are you good to do the 8th or do you want to look to a day more in the near term (I'm fine either way)
>
> ---
>
> **From:** Lewis, Josh
> **Sent:** Thursday, February 21, 2019 12:49 PM
> **To:** 'Ghanta, Venu G' <Venu.Ghanta@duke-energy.com>
> **Subject:** RE: coffee?
>
> Great
>
> ---
>
> **From:** Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
> **Sent:** Thursday, February 21, 2019 12:47 PM
> **To:** Lewis, Josh <Lewis.Josh@epa.gov>
> **Subject:** RE: coffee?
>
> That works. See you then.
>
> ---
>
> **From:** Lewis, Josh [mailto:Lewis.Josh@epa.gov]
> **Sent:** Thursday, February 21, 2019 12:30 PM
> **To:** Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
> **Subject:** RE: coffee?
>
> Friday the 8th works for me. 10 am? Peet's?
>
> ---
>
> **From:** Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
> **Sent:** Thursday, February 21, 2019 12:00 PM
> **To:** Lewis, Josh <Lewis.Josh@epa.gov>
> **Subject:** RE: coffee?
>
> Thursday is tight, but I could do Wednesday or Friday?

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Thursday, February 21, 2019 11:39 AM
To: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Subject: RE: coffee?

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Sure! Next Thursday?

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Monday, February 18, 2019 4:02 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: coffee?

Hi Josh-

Hope you're well. Want to grab coffee sometime soon?

-Venu

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/20/2018 5:34:47 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Re: You around today?

Sorry I missed you. Kids had a long weekend so we were in Florida for a few days.

> On Feb 16, 2018, at 7:54 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:
>
> I'm coming in for the UARG CPP meeting later this morning. I'll swing by and say hello if you're around.

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 11/9/2017 9:16:40 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: coffee

Hey, not sure what my schedule is going to be like next week. I'll plan to shoot you a note if I know I have a block of time in which to grab coffee. Otherwise we'll look to the week after thanksgiving.

Josh

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 11/14/2018 2:34:38 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: ACE meeting request

What did I miss???

Let's tentatively say Thursday 11/29.

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Wednesday, November 14, 2018 9:17 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: ACE meeting request

Hmm, sounds like there might be breaking news…

Monday, Thursday, and Friday during the week of 11/26 look open for me.

Hope you have a happy Thanksgiving and that the family is doing well.

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Wednesday, November 14, 2018 9:12 AM
To: Ghanta, Venu G
Subject: RE: ACE meeting request

Ah, ok. Let's look to after thanksgiving (I'm travelling next week). I'll be in touch when I'm back on the 26th to find a time.

I assume you'll see Bill's remarks later this morning.

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Wednesday, November 14, 2018 9:07 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: ACE meeting request

I'm down in Raleigh for the AAPCA meeting today. Tuesday 11/20 or the week after Thanksgiving look good for me.

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Wednesday, November 14, 2018 9:06 AM
To: Ghanta, Venu G
Subject: RE: ACE meeting request

I realize it's short notice, but are you around later today to meet up for coffee/tea? I'm pretty flexible on time.

From: Ghanta, Venu G <Venu.Ghanta@duke-energy.com>
Sent: Monday, October 29, 2018 11:36 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: ACE meeting request

I'm out on Thursday. Friday or next week could work...

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Monday, October 29, 2018 10:31 AM
To: Ghanta, Venu G
Subject: RE: ACE meeting request

Are you around this Thursday? I'm free after 1:30 to grab coffee or whatever

---

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Thursday, October 25, 2018 1:09 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: ACE meeting request

Thanks-I've sent a note to Alex. Our move date is in early January, but we can meet before then if you've got time.

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Thursday, October 25, 2018 10:49 AM
To: Ghanta, Venu G
Subject: Re: ACE meeting request

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Yes we are. Are you in the new building yet?

Alex Dominguez handles Mandy's calendar. You can email him directly to request a meeting (Dominguez.alexander@epa.gov) or I can pass along an email to him.

On Oct 25, 2018, at 10:27 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:

> Hi Josh-
>
> Hope you are doing well. We are certainly overdue for coffee.
>
> Can you tell me the process for requesting a meeting with Mandy to talk about the ACE rule? It would essentially be around a few of the key issues in our soon-to-be submitted comments.
>
> Thanks, Venu
>
> <image002.jpg>Venu Ghanta
> *Federal Regulatory Affairs Director*
> 325 7th Street NW, Suite 300, Washington, DC 20004
> Office: 202-824-8013
> Cell: 202-699-2337

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2017 3:59:34 PM
To: Venu.Ghanta@duke-energy.com
Subject: Be there in 5 mins

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 11/6/2017 1:08:20 AM
To: Venu.Ghanta@duke-energy.com
Subject: Sorry, need to reschedule coffee tomorrow

I'll shoot you an email on Tuesday with some options to reschedule.

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 10/26/2017 8:26:20 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: Coffee?

11? Peets?

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Thursday, October 26, 2017 8:35 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Re: Coffee?

I have a meeting that ends at 10:30 that Monday morning, so am free to do anything after that.

On Oct 26, 2017, at 8:07 AM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Early the week of the 6th? Right now I have that Monday morning pretty open starting at 10

On Oct 24, 2017, at 11:52 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:

When would be a good time to meet for coffee?

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 6/6/2017 10:25:30 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Coffee later this week

How's your calendar looking Friday? Could also do tomorrow or Thursday afternoon

Josh

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 7/13/2017 2:59:36 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: Coffee?

Let's say 10. See you there

-----Original Message-----
From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Thursday, July 13, 2017 8:41 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Re: Coffee?

Sure. 9:30 or 10 at Peet's?

> On Jul 13, 2017, at 8:12 AM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:
>
>
>
> *** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***
>
> Tomorrow? I'm pretty flexible all day
>
>
> -----Original Message-----
> From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
> Sent: Tuesday, July 11, 2017 3:01 PM
> To: Lewis, Josh <Lewis.Josh@epa.gov>
> Subject: Coffee?
>
> How is your schedule looking for coffee in the near future?
>

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 10/26/2017 12:06:50 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Re: Coffee?

Early the week of the 6th? Right now I have that Monday morning pretty open starting at 10

On Oct 24, 2017, at 11:52 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:

> When would be a good time to meet for coffee?

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 7/13/2017 12:11:56 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: Coffee?

Tomorrow? I'm pretty flexible all day

-----Original Message-----
From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Tuesday, July 11, 2017 3:01 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Coffee?

How is your schedule looking for coffee in the near future?

Appointment

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 10/31/2017 12:39:27 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]

Subject: Accepted: Coffee
Location: Peet's, 435 11th St NW

Start: 11/6/2017 4:00:00 PM
End: 11/6/2017 5:00:00 PM
Show Time As: Busy

Message

From: Lewis, Josh [Lewis.Josh@epa.gov]
Sent: 5/22/2017 2:32:19 PM
To: Venu.Ghanta@duke-energy.com
Subject: Will be in touch next week to find a time for coffee

I'm out of the office unexpectedly this week

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/4/2017 9:46:27 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: Coffee or lunch next Monday?

Ok great

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Monday, December 04, 2017 4:05 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Coffee or lunch next Monday?

11 am should work well. I'll let you know if I'm running late for some reason. See you then.

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Monday, December 04, 2017 4:03 PM
To: Ghanta, Venu G
Subject: RE: Coffee or lunch next Monday?

11 am (or 11:15/11:30) at Peets?

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Monday, December 04, 2017 2:32 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Coffee or lunch next Monday?

I just realized I have a doctor's appointment that morning. I'm free from 11-1:30. Thanks.

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Monday, December 04, 2017 12:33 PM
To: Ghanta, Venu G
Subject: RE: Coffee or lunch next Monday?

10 am coffee at Peets?

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Monday, December 04, 2017 11:56 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Coffee or lunch next Monday?

Yes, definitely. Name your time and place and I'll make it work.

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Monday, December 04, 2017 11:53 AM
To: Ghanta, Venu G
Subject: Coffee or lunch next Monday?

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I'm pretty flexible all day…are you around to catch up?

Josh

Message

From: Lewis, Josh [Lewis.Josh@epa.gov]
Sent: 5/19/2017 11:36:15 AM
To: Venu.Ghanta@duke-energy.com
Subject: I need to cancel today

Will be in touch later in the day or in Monday to reschedule. Sorry for last minute notice

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/4/2017 4:52:31 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Coffee or lunch next Monday?

I'm pretty flexible all day…are you around to catch up?

Josh

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 5/5/2017 1:50:56 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: coffee?

That's right. Sorry about that

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Friday, May 05, 2017 9:46 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: coffee?

That sounds good. You mean 5/19, correct?

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Friday, May 05, 2017 9:37 AM
To: Ghanta, Venu G
Subject: RE: coffee?

10 am Friday 5/15 at Peets (11th and E)?

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Thursday, May 04, 2017 8:16 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: coffee?

Yes, either works. Which is best for you?

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Thursday, May 04, 2017 10:17 AM
To: Ghanta, Venu G
Subject: RE: coffee?

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Yes! How about Thursday or Friday of that week?

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Wednesday, May 03, 2017 4:53 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: coffee?

Hey Josh-

Want to grab coffee during the week of May 15 (or later in the month)?

I ran into Mandy Gunasekara at a conference today and she had great things to say about you (unprompted).

-Venu

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 6/16/2017 12:03:19 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Re: Coffee later this week

Thanks

On Jun 16, 2017, at 7:59 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:

> No worries. Just let know when things ease up for you. Hope all is well.
>
> On Jun 16, 2017, at 7:52 AM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:
>
> > Sorry to do this again but I need to cancel. Had my 2nd unexpected trip home in the past 4 weeks and just flew back this am and have a lot to catch up on and prep for today. Sorry. Hoping life slows down in the coming weeks.
> >
> > If there's anything pressing on your end give me a ring.
> >
> > Josh
> > 564 2095
> >
> > On Jun 7, 2017, at 11:21 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:
> >
> > > Yes, that would work. See you then.
> > >
> > > ---
> > >
> > > **From:** Lewis, Josh [mailto:Lewis.Josh@epa.gov]
> > > **Sent:** Wednesday, June 07, 2017 10:08 AM
> > > **To:** Ghanta, Venu G
> > > **Subject:** RE: Coffee later this week
> > >
> > > Let's shoot for next Friday at 10? Peets?
> > >
> > > Josh
> > >
> > > ---
> > >
> > > **From:** Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
> > > **Sent:** Wednesday, June 07, 2017 9:23 AM
> > > **To:** Lewis, Josh <Lewis.Josh@epa.gov>
> > > **Subject:** RE: Coffee later this week
> > >
> > > Hey Josh-
> > >
> > > Thanks for getting in touch. I am actually booked up in the mornings and afternoons but have my lunch hours free. So, if you want to do lunch, I am up for that.
> > >
> > > If not, we can look at Thursday or Friday next week.
> > >
> > > -Venu

From: Lewis, Josh [mailto:Lewis.Josh@epa.gov]
Sent: Tuesday, June 06, 2017 6:26 PM
To: Ghanta, Venu G
Subject: Coffee later this week

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

How's your calendar looking Friday? Could also do tomorrow or Thursday afternoon

Josh

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 5/4/2017 2:17:16 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: coffee?

Yes! How about Thursday or Friday of that week?

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Wednesday, May 03, 2017 4:53 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: coffee?

Hey Josh-

Want to grab coffee during the week of May 15 (or later in the month)?

I ran into Mandy Gunasekara at a conference today and she had great things to say about you (unprompted).

-Venu

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 6/7/2017 3:37:11 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Re: Coffee later this week

Ok great. See you then

On Jun 7, 2017, at 11:21 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:

> Yes, that would work. See you then.
>
> ---
>
> **From:** Lewis, Josh [mailto:Lewis.Josh@epa.gov]
> **Sent:** Wednesday, June 07, 2017 10:08 AM
> **To:** Ghanta, Venu G
> **Subject:** RE: Coffee later this week
>
> Let's shoot for next Friday at 10? Peets?
>
> Josh
>
> ---
>
> **From:** Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
> **Sent:** Wednesday, June 07, 2017 9:23 AM
> **To:** Lewis, Josh <Lewis.Josh@epa.gov>
> **Subject:** RE: Coffee later this week
>
> Hey Josh-
>
> Thanks for getting in touch. I am actually booked up in the mornings and afternoons but have my lunch hours free. So, if you want to do lunch, I am up for that.
>
> If not, we can look at Thursday or Friday next week.
>
> -Venu
>
> ---
>
> **From:** Lewis, Josh [mailto:Lewis.Josh@epa.gov]
> **Sent:** Tuesday, June 06, 2017 6:26 PM
> **To:** Ghanta, Venu G
> **Subject:** Coffee later this week

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

How's your calendar looking Friday? Could also do tomorrow or Thursday afternoon

Josh

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 9/12/2017 2:31:51 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: NAAQS designations

Mike Koerber or Scott Mathias

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Tuesday, September 12, 2017 9:24 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: NAAQS designations

Hi Josh-

Hope this note finds you well and that things have settled down on your end.

If I have a question about designations (particularly for the SO2 120-day letters), who would you recommend I call?

Thanks, Venu

Venu Ghanta
Federal Regulatory Affairs Director
325 7th Street NW, Suite 300, Washington, DC 20004
Office: 202-824-8013
Cell: 202-699-2337

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 3/24/2017 12:48:20 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: are you around today?

Yes. 10 am would be good

Josh Lewis
Chief of Staff
EPA/Office of Air and Radiation
Office: 202 564 2095
Cell: 202 329 2291

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Friday, March 24, 2017 8:43 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: are you around today?

If so, what would be a good time to call?

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/17/2017 2:21:27 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: RE: still on for coffee at 10?

yup

From: Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
Sent: Friday, February 17, 2017 9:06 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: still on for coffee at 10?

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/14/2017 3:11:28 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Re: lunch or coffee?

How about 10 am at the Peet's (11 and e)?

On Feb 14, 2017, at 9:47 AM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:

> Coffee looks good for me. Happy to meet at place and time of your choosing...
>
> ---
>
> **From:** Lewis, Josh [mailto:Lewis.Josh@epa.gov]
> **Sent:** Tuesday, February 14, 2017 8:18 AM
> **To:** Ghanta, Venu G
> **Subject:** Re: lunch or coffee?
>
> Friday's wide open for me
>
> On Feb 13, 2017, at 7:28 PM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:
>
>> I am around Friday but my schedule is still in flux. How does that day look for you?
>>
>> On Feb 13, 2017, at 1:58 PM, Lewis, Josh <Lewis.Josh@epa.gov> wrote:
>>
>> *** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***
>> Yes. Are you around this Friday?
>>
>> ---
>>
>> **From:** Ghanta, Venu G [mailto:Venu.Ghanta@duke-energy.com]
>> **Sent:** Monday, February 13, 2017 9:21 AM
>> **To:** Lewis, Josh <Lewis.Josh@epa.gov>
>> **Subject:** lunch or coffee?
>>
>> Hi Josh-Wanted to see if you want to line up a coffee or lunch before your schedule potentially gets much busier.
>>
>> Thanks, Venu

Message

From: Grevatt, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D3CAA0C39EBE44CB9D3AE44DA7543733-GREVATT, PETER]
Sent: 10/25/2017 1:53:27 PM
To: Devashree Saha [dsaha@csg.org]
CC: Wadlington, Christina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5fb7cd0baa5e4a6fb1df7e471e2133b6-Wadlington, Christina]; Tiago, Joseph [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=73efdbd1bc1f45ba8fc76ceecc3ce5dc-Tiago, Joseph]; Mclain, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2bc5b268184348bbb383a56b0042b603-Jennifer Mclain]; Mason, Paula [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=24b12492eca747deb3d9d36d2d14ce04-pmason]
Subject: Re: SPEAKER INVITATION: Council of State Governments Policy Academy on "Making Waves With State Water Policies"

Moving too quickly on my way to the airport. Sorry about that!

Sent from my iPhone

On Oct 25, 2017, at 9:38 AM, Devashree Saha <dsaha@csg.org> wrote:

> Hi Peter, that is wonderful. Glad that you can make it. I don't think Paula Mason is copied on the email. Can you please share her email so that I can work with her?
>
> Thanks!
> Devashree
>
> **Devashree Saha**
> Director of Energy & Environmental Policy
> The Council of State Governments
> 444 N. Capitol Street, Suite 401
> Washington, DC 20001
> Phone: 202-624-8481
> dsaha@csg.org
> www.csg.org
>
> ---
>
> **From:** Grevatt, Peter [mailto:Grevatt.Peter@epa.gov]
> **Sent:** Wednesday, October 25, 2017 9:15 AM
> **To:** Devashree Saha <dsaha@csg.org>
> **Cc:** Wadlington, Christina <Wadlington.Christina@epa.gov>; Tiago, Joseph <Tiago.Joseph@epa.gov>; Mclain, Jennifer <Mclain.Jennifer@epa.gov>
> **Subject:** RE: SPEAKER INVITATION: Council of State Governments Policy Academy on "Making Waves With State Water Policies"
>
> Thanks Devashree. This message is to confirm my participation in the CSG event. Thanks again for the invite. I would very much appreciate it if you can share the specifics on the travel with my scheduler Paula Mason, so she can make the appropriate travel arrangements. I will plan to take a 5:30 PM flight out of IAD on the 13th, so I will not be arriving into LV until about 8PM local time. I will be ready to go the following morning. Thanks, P. Grevatt
>
> ---
>
> **From:** Devashree Saha [mailto:dsaha@csg.org]
> **Sent:** Tuesday, October 24, 2017 2:08 PM

To: Grevatt, Peter <Grevatt.Peter@epa.gov>
Cc: Wadlington, Christina <Wadlington.Christina@epa.gov>
Subject: RE: SPEAKER INVITATION: Council of State Governments Policy Academy on "Making Waves With State Water Policies"

Sounds great. I'm hoping this all works out.

Devashree

Devashree Saha
Director of Energy & Environmental Policy
The Council of State Governments
444 N. Capitol Street, Suite 401
Washington, DC 20001
Phone: 202-624-8481
dsaha@csg.org
www.csg.org

From: Grevatt, Peter [mailto:Grevatt.Peter@epa.gov]
Sent: Tuesday, October 24, 2017 2:06 PM
To: Devashree Saha <dsaha@csg.org>
Cc: Wadlington, Christina <Wadlington.Christina@epa.gov>
Subject: RE: SPEAKER INVITATION: Council of State Governments Policy Academy on "Making Waves With State Water Policies"

Thanks very much for your kind invitation Devashree. I will check into my schedule for that week to see whether I can free up time to participate, as this looks like an excellent program. I will look to get back to you in a couple of days if that works for you.

From: Devashree Saha [mailto:dsaha@csg.org]
Sent: Tuesday, October 24, 2017 1:04 PM
To: Grevatt, Peter <Grevatt.Peter@epa.gov>
Subject: SPEAKER INVITATION: Council of State Governments Policy Academy on "Making Waves With State Water Policies"
Importance: High

Dear Peter,

On behalf of the Council of State Governments, I would like to invite you as a speaker for a session on **"Beyond Flint: The Future of Water Quality Issues in the United States" on Thursday, December 14, 2017 in Las Vegas, Nevada**. The session is part of CSG's Policy Academy on "Making Waves with State Water Policies," which is being held in conjunction with CSG's national conference in Vegas from Wednesday, December 13 to Saturday, December 16, 2017. CSG would cover your transportation and hotel accommodation.

Water issues are some of the most important policy questions facing states officials across the nation. Hurricane Harvey unleashed more than 9 trillion gallons of water and dumped more than an average year's worth of rainfall in some places—leaving underwater as much as 30 percent of Harris County, home to Houston, our nation's fourth largest city. Science tells us that flooding is becoming more common and severe, meaning that Harvey and Irma are likely harbingers of disasters to come. The water crisis in Flint, Michigan resulted in an estimated $385 billion in social costs, stemming from toxic levels of lead in the city's drinking water. Other water issues, including water quality improvements, droughts, water resource management, integrated water planning, and the impacts of new federal

regulations, raise a host of policy concerns for state leaders now and in the future. This one-day policy academy will explore a variety of these topics and highlight innovative policies being adopted across the country.

The session on "Beyond Flint" will focus on national trends in water quality testing, monitoring and reporting, challenges faced by utilities with different water sources, common myths about water quality, and best practices in communicating consumer confidence results and community outreach. I'm really hoping that you can participate in the session and the rest of the policy academy. Radhika Fox with U.S. Water Alliance, one of our sponsors, has spoken highly of you and recommended that I reach out to you.

The draft agenda is attached. Looking forward to hearing from you.

Best
Devashree

Devashree Saha
Director of Energy & Environmental Policy
The Council of State Governments
444 N. Capitol Street, Suite 401
Washington, DC 20001
Phone: 202-624-8481
dsaha@csg.org
www.csg.org

Message

From: Tiago, Joseph [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=73EFDBD1BC1F45BA8FC76CEECC3CE5DC-TIAGO, JOSEPH]
Sent: 11/28/2017 6:09:50 PM
To: Devashree Saha [dsaha@csg.org]
CC: Grevatt, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d3caa0c39ebe44cb9d3ae44da7543733-Grevatt, Peter]; Mason, Paula [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=24b12492eca747deb3d9d36d2d14ce04-pmason]; Mclain, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2bc5b268184348bbb383a56b0042b603-Jennifer Mclain]
Subject: RE: CSG Policy Academy Speaker Prep Call

Hi Devashree,

Peter can be available on Thursday at 3:00 PM. Please send a reschedule.

Thanks,

Joe.

From: Devashree Saha [mailto:dsaha@csg.org]
Sent: Tuesday, November 28, 2017 1:01 PM
To: Tiago, Joseph <Tiago.Joseph@epa.gov>
Cc: Grevatt, Peter <Grevatt.Peter@epa.gov>; Mason, Paula <Mason.Paula@epa.gov>; Mclain, Jennifer <Mclain.Jennifer@epa.gov>
Subject: RE: CSG Policy Academy Speaker Prep Call

Hi Joe, I'm speaking with Christina on Thursday afternoon at 3 pm. Can Peter make that time? Otherwise, I'm happy to do a separate call with him this week.

Devashree Saha
Director of Energy & Environmental Policy
The Council of State Governments
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Washington, DC 20001
Phone: 202-624-8481
dsaha@csg.org
www.csg.org

From: Tiago, Joseph [mailto:Tiago.Joseph@epa.gov]
Sent: Tuesday, November 28, 2017 9:32 AM
To: Devashree Saha <dsaha@csg.org>
Cc: Grevatt, Peter <Grevatt.Peter@epa.gov>; Mason, Paula <Mason.Paula@epa.gov>; Mclain, Jennifer <Mclain.Jennifer@epa.gov>
Subject: RE: CSG Policy Academy Speaker Prep Call

Hi Devashree,

Unfortunately Peter cannot make the 3:00 PM call today due to the meeting he mentioned below. Will Christina from Virginia Tech be on today's call?

Alternatively Peter can have someone else represent him on today's call.

Please advise.

Thanks,

Joe.

From: Devashree Saha [mailto:dsaha@csg.org]
Sent: Tuesday, November 28, 2017 8:47 AM
To: Tiago, Joseph <Tiago.Joseph@epa.gov>
Cc: Grevatt, Peter <Grevatt.Peter@epa.gov>; Mason, Paula <Mason.Paula@epa.gov>
Subject: RE: CSG Policy Academy Speaker Prep Call

Hi Joe, if you don't mind, I would like to do this at 3pm today. I have a DOE call from 2-3 pm today that I cannot get out of. If Peter cannot make it today at 3, I will do a separate call with him later.

Thanks!
Devashree

Devashree Saha
Director of Energy & Environmental Policy
The Council of State Governments
444 N. Capitol Street, Suite 401
Washington, DC 20001
Phone: 202-624-8481
dsaha@csg.org
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From: Tiago, Joseph [mailto:Tiago.Joseph@epa.gov]
Sent: Tuesday, November 28, 2017 7:43 AM
To: Devashree Saha <dsaha@csg.org>
Cc: Grevatt, Peter <Grevatt.Peter@epa.gov>; Mason, Paula <Mason.Paula@epa.gov>
Subject: RE: CSG Policy Academy Speaker Prep Call

Good morning Devashree,

Peter is available tomorrow, Wednesday, November 29 between 2 and 4. I did propose a new time for the call, 2:00 – 2:30 for your consideration.

Thanks,

Joe Tiago
Special Assistant
EPA Office of Ground Water and Drinking Water
(202) 564-0340

From: Grevatt, Peter
Sent: Monday, November 27, 2017 6:12 PM
To: Devashree Saha <dsaha@csg.org>

Cc: Tiago, Joseph <Tiago.Joseph@epa.gov>; Mason, Paula <Mason.Paula@epa.gov>
Subject: RE: CSG Policy Academy Speaker Prep Call

Thanks Devashree. I just had a senior level meeting added at that time and I will have to look for an alternative. Apologies!

-----Original Appointment-----
From: Devashree Saha [mailto:dsaha@csg.org]
Sent: Monday, November 27, 2017 6:01 PM
To: Grevatt, Peter; Mason, Paula; Christina Devine; Halvorson, Clark R (DOH); Donna.Hanson@DOH.WA.GOV; Radhika Fox; Denise Lin
Subject: CSG Policy Academy Speaker Prep Call
When: Tuesday, November 28, 2017 3:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Conference Call

I hope this time works for all.

Christina, if this time doesn't work for you, I will have a separate call with you.

Thanks!

Conference Call instructions:

Call Bridge: CSG Policy (Energy)
Dial-In Number: 701-801-1211
Meeting ID: 324-447-915

Host (Devashree Saha) Pin Code: 3588

Message

From: Barber, Julia [jbarber@balch.com]
Sent: 12/19/2017 10:03:18 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; 'Richard.hyde@tceq.texas.gov' [Richard.hyde@tceq.texas.gov]; Etchells, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=632b513af356451499cdbd7cdf3f11a8-Etchells, Elizabeth]; A-AND-R-DOCKET [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1690becd79334c75b66c4d7a9b14da66-A-AND-R-DOC]; 'Kelly, Dan' [dan.kelly@vistraenergy.com]; Gidiere, Stephen [SGidiere@balch.com]
Subject: Supplement to Petition for Reconsideration and Stay, EPA-HQ-OAR-2014-0464, 81 Fed. Reg. 89,870 (Dec. 13, 2016)
Attachments: Vistra Energy Corp. Supplement to Petition for Reconsideration 81 FR 89870 (Dec. 13, 2016) EPA-HQ-OAR-2014-0464.pdf

Dear Administrator Pruitt:

Please find attached additional information in support of Vistra Energy Corp.'s February 13, 2017, petition for reconsideration and stay (Doc. ID EPA-HQ-OAR-2014-0464-0446) of the above-referenced final rule that I am submitting on behalf of my clients Vistra Energy Corp. and its subsidiaries Luminant Generation Company LLC, Big Brown Power Company LLC, Sandow Power Company LLC, and Luminant Mining Company LLC.

Please include this additional information in the docket for the above-captioned rulemaking.

Thank you,

Julia Barber

BALCH & BINGHAM LLP

Julia B. Barber, Attorney, Balch & Bingham LLP
1901 Sixth Avenue North ◦ Suite 1500 ◦ Birmingham, AL 35203-4642
t: Ex. 6 : (205) 488-5710 e: jbarber@balch.com
www.balch.com

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VISTRA ENERGY

DANIEL JUDE KELLY
Vice President &
Associate General Counsel
Vistra Energy
6555 Sierra Drive
Irving, TX 75039
o 214.812.7182

December 19, 2017

Sent via Certified U.S. Mail Return Receipt Requested and Email (Pruitt.Scott@epa.gov)

E. Scott Pruitt
Administrator
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

RE: Additional Information in Support of Petition for Reconsideration and Administrative Stay—Air Quality Designations for the 2010 Sulfur Dioxide (SO_2) Primary National Ambient Air Quality Standard—Supplement to Round 2 for Four Areas in Texas: Freestone and Anderson Counties, Milam County, Rusk and Panola Counties, and Titus County, 81 Fed. Reg. 89,870 (Dec. 13, 2016) (Docket No. EPA-HQ-OAR-2014-0464)

Dear Administrator Pruitt:

Thank you for your letter dated September 21, 2017, responding to the petition for reconsideration and administrative stay submitted by Vistra Energy Corp. ("Vistra"), Luminant Generation Company LLC ("Luminant"), and other Vistra subsidiaries on February 13, 2017, regarding the U.S. Environmental Protection Agency's ("EPA") final action entitled *Air Quality Designations for the 2010 Sulfur Dioxide (SO_2) Primary National Ambient Air Quality Standard—Supplement to Round 2 for Four Areas in Texas: Freestone and Anderson Counties, Milam County, Rusk and Panola Counties, and Titus County* ("Final Rule"), published at 81 Fed. Reg. 89,870 (Dec. 13, 2016). We are very encouraged that, as stated in your letter, EPA intends to undertake an administrative action with notice and comment to revisit the nonattainment designations in the Final Rule for portions of Freestone and Anderson Counties, Rusk and Panola Counties, and Titus County, Texas. We are writing to provide additional new information in support of our petition for reconsideration and to urge EPA to take prompt action to revisit and correct the nonattainment designations.

As you know, the Final Rule rejected the State of Texas's recommended designations for these three areas in Texas for the 2010 1-hour SO_2 National Ambient Air Quality Standard ("NAAQS"). Instead, the Final Rule adopted designations based solely on modeling simulations submitted by the Sierra Club. The three areas designated by EPA as nonattainment surround Luminant's Big Brown Power Plant, Martin Lake Power Plant, and Monticello Power Plant, respectively.

In addition to Vistra's petition, the Texas Commission on Environmental Quality ("TCEQ") submitted a petition for reconsideration to EPA on December 11, 2017. Vistra fully supports TCEQ's petition. As explained in Vistra's

and TCEQ's petitions, reconsideration is necessary so that the final designations may be based on SO_2 monitoring data collected by TCEQ, and not solely on Sierra Club's over-predictive modeling simulations. Moreover, as explained below and in TCEQ's petition, new information has become available that further supports reconsideration and warrants EPA's correction of these three nonattainment designations.

RETIREMENT ANNOUNCEMENTS FOR MONTICELLO AND BIG BROWN REQUIRE CHANGE IN DESIGNATIONS

First, Luminant has sought and obtained approval from the Electric Reliability Council of Texas ("ERCOT") to decommission and permanently retire the Monticello Plant and the Big Brown Plant, which are the two stationary sources that Sierra Club claimed to cause nonattainment in Titus County and Freestone and Anderson Counties, respectively. Once retired, these units will have zero SO_2 emissions.

As to Titus County, on October 6, 2017, Luminant submitted a Notice of Suspension of Operations ("NSO") to ERCOT to permanently retire all three units at the Monticello Plant as of January 4, 2018.[1] On October 27, 2017, ERCOT issued its Final Determination on the NSO, finding that the plant is not required for Reliability Must Run ("RMR") service and clearing Luminant to decommission and permanently retire the Monticello Plant according to the schedule in the NSO.[2]

As to Freestone and Anderson Counties, Luminant submitted an NSO to ERCOT on October 13, 2017, to permanently retire both units at the Big Brown Plant as of February 12, 2018.[3] On November 6, 2017, ERCOT issued its Final Determination clearing that retirement as well.[4]

Given these retirements and the source-specific nature of the SO_2 designations, the nonattainment designations for Titus County and Freestone and Anderson Counties are in error and should be changed. Sierra Club's modeling simulations—EPA's sole rationale for the nonattainment designations—were based on the assumption that the Monticello Plant and the Big Brown Plant would continue to operate, an assumption that is in error. These units will have zero SO_2 emissions following their retirement. There is thus no basis for the designations and no reason for TCEQ to expend resources developing a state implementation plan ("SIP") submission to address these erroneous designations. Because a nonattainment designation carries with it additional permitting requirements for new sources seeking to locate in these areas, the erroneous nonattainment designations will also needlessly impede economic activity in these communities. Additionally, if EPA does not correct the nonattainment designations now, EPA's own resources will be expended unnecessarily in reviewing SIP revisions, reclassifying the area to attainment at a later date, and continuing to work with TCEQ on maintenance planning that will extend for years after redesignation. Rather than waste limited agency resources in this manner, the designations for these areas should be corrected now, and these two areas should be designated as attainment or, at a minimum, unclassifiable.

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[1] ERCOT, Notice of Suspension of Operations of a Generation Resource, Monticello SES (Oct. 6, 2017), http://www.ercot.com/services/comm/mkt_notices/archives/1528.

[2] ERCOT, Notice of Suspension of Operations Initial and Final Determination, Monticello Unit 1, Unit 2, Unit 3 (Oct. 27, 2017), http://www.ercot.com/services/comm/mkt_notices/archives/1555.

[3] ERCOT, Notice of Suspension of Operations of a Generation Resource, Big Brown SES (Oct. 13, 2017), http://www.ercot.com/services/comm/mkt_notices/archives/1537.

[4] ERCOT, Notice of Suspension of Operations Initial and Final Determination, Big Brown Unit 1 and Unit 2 (Nov. 6, 2017), http://www.ercot.com/services/comm/mkt_notices/archives/1565. Luminant initially explored a sales process for the Big Brown Plant, but that process is complete and Luminant has determined to retire Big Brown in accordance with the schedule in the NSO and not to sell it.

DEPLOYMENT OF ADDITIONAL AIR MONITORING STATIONS SUPPORT UNCLASSIFIABLE DESIGNATIONS

Second, the recent deployment of additional air monitoring stations by TCEQ near the Martin Lake Plant and the Big Brown Plant warrant reconsideration and correction of the designations for Rusk and Panola Counties and Freestone and Anderson Counties. As explained in the petition for reconsideration, TCEQ developed and submitted to EPA Monitor Placement Evaluation Reports for the placement and operation of source-oriented air quality monitoring stations in the three areas at issue.[5] In two of the areas, monitors have been deployed and are now operational. The monitor for the Martin Lake Plant (CAMS 1082) was installed by TCEQ approximately 2.2 kilometers downwind of the plant to the north based on predominant wind direction, and the monitor for the Big Brown Plant (CAMS 1084) was installed by TCEQ approximately 5.2 kilometers to the southwest of that plant.

The actual data from these monitors will provide more reliable evidence of actual air quality conditions than Sierra Club's modeling simulations, and EPA should have afforded TCEQ the opportunity to collect the necessary three-years-worth of data before a nonattainment designation is considered. In making NAAQS designations, sound science and policy favor collecting actual monitoring data before making a nonattainment designation. But in the case of these three Texas designations, the timing of the designations was driven by a consent decree that EPA previously entered into with Sierra Club (that neither the State of Texas nor Luminant were a party to). The deadlines in that consent decree did not provide the State with the opportunity to collect actual data to support designations. The State has since deployed monitoring systems consistent with EPA's stated desire to make designations based on monitoring data where it exists, not based on modeling simulations. The Final Rule failed to do this and should be corrected for that reason. The deployment of monitors at Martin Lake and Big Brown warrant correction of these two nonattainment designations to unclassifiable so that the State can continue to collect additional data to determine the attainment status of the area.

CONSERVATION OF AGENCY AND STAKEHOLDER RESOURCES AND JUDICIAL ECONOMY SUPPORT A NEW RULEMAKING

In addition, we urge EPA to undertake its notice-and-comment action to revisit the Final Rule *promptly* and without further delay. As your letter recognizes, prompt action is necessary to alleviate associated and pending planning obligations on the State of Texas. Your letter (at 1) committed to providing "clarity regarding any potential changes *before* the state or regulated entity expend resources investing in regulatory obligations that are currently required." (emphasis added). Without prompt action to correct the erroneous designations, Texas must commit significant resources to develop and promulgate a nonattainment SIP revision. Such a SIP is counterproductive and unnecessary, given that the sources in two of the three areas will be retired prior to the SIP submission date, and monitors have been deployed to collect actual air quality data upon which final designations can be made.

Further, the designations should be corrected now to provide the State with sufficient time to collect monitoring data *prior to* developing a SIP revision, even if one is ultimately necessary. In the event a SIP revision is necessary for one of these areas based on the results of the actual monitoring data, it would conserve both TCEQ and EPA resources if the State is allowed to develop a targeted SIP based on that actual monitoring data, and not over-predictive modeling. Monitoring data will focus and inform the State's development of a SIP

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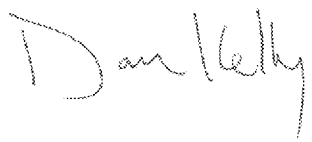
5 *See* TCEQ, Annual Monitoring Network Plan (2017), available at https://www.tceq.texas.gov/assets/public/compliance/monops/air/annual_review/historical/2017-AMNP.pdf.

revision, streamline EPA's review of that revision, and ensure that any required emission reductions do not over-control.

Prompt action by EPA is also necessary to avoid the burden and uncertainties of litigation over the Final Rule. All petitions for review of the Final Rule (which were filed by the State of Texas, Luminant, and Sierra Club) are presently consolidated before the U.S. Court of Appeals for the Fifth Circuit, following the court's denial of EPA's motion to transfer to the D.C. Circuit the petitions for review filed by the State of Texas and Luminant. *See State of Texas et al. v. EPA et al.*, No. 17-60088 (5th Cir.). The D.C. Circuit has, in turn, transferred to the Fifth Circuit the petitions for review originally filed in that court. The Fifth Circuit is presently holding the petitions in abeyance based on EPA's representation that it intends to revisit the Final Rule. However, the court was clear that any party may seek to end the stay if developments warrant. EPA must file a status report with the court by January 11, 2018, in which it must update the court on the status of its reconsideration proceeding. We urge EPA to initiate its notice-and-comment action prior to that date, so that the parties are not compelled to seek an end to the litigation stay in light of the impending deadlines in the Final Rule.

Again, thank you for your letter of September 21, 2017, and your commitment to revisit these three Texas designations. We look forward to participating in the upcoming notice-and-comment action by EPA and to providing additional information to support correction of these three designations. In the meantime, please contact me if I can provide any further information.

Sincerely,



Daniel Jude Kelly
VP & Associate General Counsel

cc: Richard Hyde, Executive Director, TCEQ
Bill Wehrum, Assistant Administrator, Office of Air and Radiation, EPA

Message

From: Clint Woods [cwoods@csg.org]
Sent: 9/15/2017 3:47:10 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Dravis, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ece53f0610054e669d9dffe0b3a842df-Dravis, Sam]; Brown, Byron [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9242d85c7df343d287659f840d730e65-Brown, Byro]; Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]; Bolen, Brittany [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=31e872a691114372b5a6a88482a66e48-Bolen, Brit]; Lyons, Troy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=15e4881c95044ab49c6c35a0f5eef67e-Lyons, Troy]; sean.alteri@ky.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f999b3b9716c4924b5cbb9c4cdf645d0-sean.alteri@ky.gov]; Spencer, Stuart [SPENCER@adeq.state.ar.us]
Subject: Principles for Addressing Interstate and International Ozone Transport
Attachments: AAPCA - Principles For Addressing Interstate and International Ozone Transport - 9-15-17.pdf

Administrator Pruitt,

Please find the attached cover letter and set of principles from the Association of Air Pollution Control Agencies (AAPCA), which include recommendations for addressing interstate and international ozone transport under the under the 2008 and 2015 National Ambient Air Quality Standards (NAAQS) for ground-level ozone. These consensus principles would facilitate approvable Good Neighbor State Implementation Plans (SIPs) under Clean Air Act (CAA) Section 110(a)(2)(D)(i)(I). U.S. EPA has an opportunity to establish a transparent, state-driven framework for addressing interstate transport as well as to animate regulatory relief for state and local air agencies affected by international ozone contributions.

This feedback is grounded in state and local air agency comments on a number of recent actions, including Executive Order 13777 on Enforcing the Regulatory Reform Agenda (see related report), preliminary transport modeling and the proposed implementation/SIP requirements rule for the 2015 ozone NAAQS, the Cross-State Air Pollution Rule Update, and the 2015 revision to the NAAQS. These comments highlight the need for action on the following issues:

- Re-evaluate the 1 percent threshold for significant contribution, including the assessment for the 2015 ozone NAAQS
- Determine that states should not be required to offset international or non-anthropogenic emissions through interstate transport requirements
- Embrace a state-driven process to address interstate transport, including EPA action on timely and relevant SIPs and a re-assessment of expectations for Infrastructure SIPs
- Adjust EPA's methodology for cost-effective NO_x controls
- Reassess its approach to identifying downwind maintenance and nonattainment receptors
- Address controls on in-state sources first
- Abandon non-transparent and unreliable modeling platforms
- Pursue other provisions for regulatory relief for international transport (including not requiring states to offset international contributions through the Good Neighbor SIP process, applying CAA Section 179B to address international transport and excluding exceptional event data from international sources under CAA Section 319)

These key decisions, which could be facilitated by the Agency's Task Forces on Regulatory Reform and Ozone Cooperative Compliance, can help address CAA responsibilities in a manner consistent with cooperative federalism, Executive Orders on Promoting Energy Independence and Economic Growth and Enforcing the Regulatory Reform Agenda, and the Administration's America First Energy Plan and Foreign Policy.

Thank you for the attention to these comments. AAPCA and its members look forward to working with EPA to help carry out these commonsense principles.

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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

September 15, 2017

Administrator Scott Pruitt
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Subject: Principles for Addressing Interstate and International Ozone Transport

Dear Administrator Pruitt:

The Association of Air Pollution Control Agencies (AAPCA)[1] appreciates the opportunity to provide additional feedback to the U.S. Environmental Protection Agency (EPA) on consensus principles for the Agency to address interstate and international ozone transport as it relates to the 2008 and 2015 National Ambient Air Quality Standards (NAAQS) for ground-level ozone. This communication lays out principles to facilitate approvable Good Neighbor State Implementation Plans (SIPs) under Clean Air Act (CAA) Section 110(a)(2)(D)(i)(I) for the 2008 and 2015 ozone NAAQS and is grounded in state and local air agency comments on a number of recent EPA actions.[2]

AAPCA applauds the efforts of EPA, through the Office of Air Quality Planning and Standards and Office of Atmospheric Programs, to conduct more credible modeling for interstate transport in 2023 for the purposes of Good Neighbor SIP development. Based on comments from EPA officials on calls in August, we understand that EPA intends to complete updated national modeling this month that continues to use a 2011 base year and 2023 as a future year. This modeling will update emissions inventories, remove the Clean Power Plan assumptions, and incorporate Reasonably Available Control Technology (RACT) regulations for Pennsylvania and Connecticut for 2023.

Now is the time for EPA to make meaningful updates to its approach to address interstate transport for the ozone NAAQS. Recent state and local comments highlight the need for EPA action on the following issues:

- Re-evaluate the 1 percent threshold for significant contribution, including the assessment for the 2015 ozone NAAQS
- Determine that states should not be required to offset international or non-anthropogenic emissions through interstate transport requirements

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[1] AAPCA is a national, non-profit, consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on the AAPCA Board of Directors. You can find more information about AAPCA at: http://www.cleanairact.org.

[2] See compiled comments on: Executive Order (EO) 13777 on Enforcing the Regulatory Reform Agenda (AAPCA also released a July 2017 report, *The State of Regulatory Reform: Navigating State Perspectives on Clean Air Act Regulations Under Executive Order 13777*); Preliminary Interstate Ozone Transport Modeling Data for the 2015 Ozone NAAQS (herein "2017 NODA"); Cross-State Air Pollution Rule Update for the 2008 Ozone NAAQS and related Notice of Data Availability (herein "CSAPR Update"); Implementation of the 2015 NAAQS Standards for Ozone: Nonattainment Area Classifications and SIP Requirements (herein "proposed SIP Requirements Rule"); and the proposed revision to the ozone NAAQS in 2015 (AAPCA reports on state environmental agency perspectives on timely NAAQS implementation and background ozone & regulatory relief provide additional information).

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- Embrace a state-driven process to address interstate transport, including EPA action on timely and relevant SIPs and a re-assessment of expectations for Infrastructure SIPs
- Adjust EPA's methodology for cost-effective nitrogen oxide (NO_x) controls
- Reassess its approach to identifying downwind maintenance and nonattainment receptors
- Address controls on in-state sources first
- Abandon non-transparent and unreliable modeling platforms
- Pursue other provisions for regulatory relief for international transport

Similarly, tools available to provide regulatory relief to air agencies for significant international contributions of ozone and its precursors have not kept pace with the state of the science and the needs of state and local governments. As discussed in AAPCA's 2017 report, *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*,[3] and U.S. EPA's 2017 air trends report, *Our Nation's Air: Status and Trends Through 2016*,[4] tremendous air quality improvements have been made in the U.S., far exceeding international trends, in virtually every measure of air pollution control over the last several decades. EPA's own modeling for interstate transport rules, as well as a series of recent studies – including research from experts at U.S. EPA, the National Aeronautics and Space Administration (NASA), and the National Oceanic and Atmospheric Administration (NOAA) – suggests the challenge of international and non-North American transport has grown substantially with more stringent NAAQS revisions.

To ensure state and local agencies are not inappropriately burdened by ozone concentrations outside their control, additional flexibilities are necessary. The experience of AAPCA members suggests that EPA can take steps to animate policy decisions and statutory provisions to address international ozone transport – including not requiring states to offset international contributions through the Good Neighbor SIP process, applying CAA Section 179B to address international transport and excluding exceptional event data from international sources under CAA Section 319 – and that these moves may have a greater impact on NAAQS attainment than the level of the standard.

Thank you for the attention to the enclosed comments, *Principles for Addressing Interstate and International Ozone Transport*. AAPCA and its members look forward to working with EPA to help carry out these principles to address interstate and international ozone transport under the 2008 and 2015 ozone NAAQS. If you have any questions, please contact Mr. Clint Woods, Executive Director, at cwoods@csg.org or (859) 244-8040.

Sincerely,

Sean Alteri
Director, Kentucky Division for Air Quality
2017 President, AAPCA

Stuart Spencer
Associate Director, Office of Air Quality
Arkansas Department of Environmental Quality
2018 President, AAPCA

[3] http://www.csg.org/aapca_site/documents/GreatestStory4-17-17.pdf.
[4] https://www.epa.gov/newsreleases/air-quality-continues-improve-while-us-economy-continues-grow.

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Principles for Addressing Interstate and International Ozone Transport

U.S. EPA has an opportunity to establish a revised, transparent, state-driven framework for addressing interstate transport as well as to animate provisions to provide regulatory relief for state and local air agencies affected by international ozone contributions. These key decisions (which could be facilitated by the Agency's recently created Task Forces on Regulatory Reform and Ozone Cooperative Compliance[5]) can help address CAA responsibilities in a manner consistent with cooperative federalism, Executive Orders (EOs) on Promoting Energy Independence and Economic Growth[6] and Enforcing the Regulatory Reform Agenda,[7] and the Administration's America First Energy Plan and Foreign Policy. These changes would also be consistent with Administrator Pruitt's belief "in states working collaboratively to address crossborder environmental challenges," and intention to "engage in a transparent process that will allow states to have a meaningful opportunity to understand their obligations with regard to reducing emissions that cause or contribute to nonattainment or interference with maintenance in other states through the SIP process."[8]

Updated EPA modeling efforts are a critical first step. However, these technical changes are inextricably linked to the overall EPA framework which could ensure approvable SIPs – rather than Federal Implementation Plans (FIPs) which may not even provide a full remedy – address interstate transport. Court-ordered FIPs may be issued to 21 states for interstate transport obligations that were not addressed under the CSAPR Update,[9] and EPA has received a number of petitions for administrative reconsideration of the underlying rule.[10] Regardless of the timing of EPA's issuance of initial area designations, air agencies must meet an October 2018 deadline for Good Neighbor SIPs under the 2015 ozone NAAQS. In addition to being of interest to air agencies that have been impacted directly by prior interstate transport rules, EPA's modeling data may also affect other states as the Agency has relied on past transport modeling to disapprove interstate transport elements of SIP submissions.[11]

<u>EPA should re-evaluate the 1 percent threshold for significant contribution</u>
In CSAPR, the CSAPR Update, and its 2017 NODA, EPA has relied upon a "contribution screening threshold"[12] of 1 percent to identify upwind states that may significantly contribute to downwind nonattainment and/or maintenance receptors. Although EPA has "historically found that the 1 percent threshold is appropriate,"[13] this approach is not preordained and EPA has also used several alternative metrics for previous significance assessments. The U.S. Supreme Court has noted delegation to EPA to "select among reasonable options" in allocating upwind state contributions to downwind pollution.[14]

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[5] https://www.epa.gov/sites/production/files/2017-06/documents/az_ducey_6-6-17.pdf.
[6] 82 FR 16093.
[7] 82 FR 12285.
[8] https://www.epw.senate.gov/public/_cache/files/6d95005c-bd1a-4779-af7e-be831db6866a/scott-pruitt-qfr-responses-01.18.2017.pdf.
[9] The U.S. District Court for the Northern District Court of California has ordered EPA to issue a FIP for Kentucky no later than June 30, 2018. For more information, see CASE NO. 3:15-CV-04328-JD, "EPA'S OPP. & CROSS-MOTION," filed December 15, 2016, page 17 ("However, EPA could not conclude that the reductions required by the CSAPR Update represent the full amounts of emission reductions necessary for Kentucky (or 20 other states) to satisfy the requirements of the good neighbor provision.")
[10] https://www.epa.gov/airmarkets/petitions-reconsideration-received-csapr-update.
[11] For example, see 82 FR 9142.
[12] 81 FR 54573.
[13] 82 FR 1740.
[14] *EPA v. EME Homer City Generation, L.P.*, (2014).

While EPA characterizes this 1 percent threshold as a screening mechanism, in practice it is used as a black-and-white test for significant contribution.

AAPCA noted in its March 13, 2017 comments on EPA's preliminary transport modeling for the 2015 ozone NAAQS that: "EPA should consider whether an alternative threshold above 0.7 ppb is appropriate, particularly as this preliminary modeling includes complex, uncertain, six-year projections for linkages across long distances for contributions virtually undetectable by monitors." The need to evaluate alternative thresholds is even more important due to increasingly stringent NAAQS. As Ohio EPA stated in their comments on EO 13777: "The lower standards get with each subsequent review by U.S. EPA, approaching background concentrations, the more meaningful this 1 percent threshold becomes and the more insurmountable the task of finding reductions to eliminate the contribution. U.S. EPA must reevaluate this process and raise this threshold if it intends to continue this framework."[15]

These concerns were reiterated in NODA comments from a dozen AAPCA state members,[16] as well as in comments on EPA regulatory reform.[17] A number of state comments discussed EPA's inconsistency in continuing to use this 0.7 ppb threshold after recommending a Significant Impact Level value of 1.0 ppb in its 2016 draft Guidance on Significant Impact Levels for Ozone and Fine Particles in the Prevention of Significant Deterioration Permitting Program.[18] Kentucky cites past EPA practice related to a Section 126 petition in which cross-border emissions of approximately three percent of a NAAQS in a nonattainment area was not considered to cause or contribute to violations.[19]

EPA should allow the use of Anthropogenic Precursor Culpability Assessment (APCA), Ozone Source Apportionment Technology (OSAT), Decoupled Direct Method (DDM), and zero-out brute force (BF) sensitivity runs to determine contribution from upwind states to downwind receptors. EPA should also consider a transition from a 3x3 array to a 1x1 array over some coastal monitors and develop emissions data files to support finer-grid (e.g., 4 kilometer) modeling domain.

<u>EPA should not require states to offset international or non-anthropogenic emissions through interstate transport requirements</u>

U.S. EPA modeling, state agency comments, and recent peer-reviewed science indicate that international emissions and background ozone contribute significantly to downwind nonattainment and maintenance areas. EPA recognized in its proposed SIP Requirements Rule that "contributions to U.S. ozone concentrations from sources outside of the U.S., which can be from nearby sources in a bordering country or from sources many thousands of miles away, can affect to varying degrees the ability of some areas to attain and maintain the 2015 ozone NAAQS."[20] In the memorandum, "Tools for Addressing Background Ozone," which accompanied the October 2015 revision to the ozone NAAQS, EPA noted that: "Under

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[15] Ohio Environmental Protection Agency, <u>comments</u> on U.S. EPA's Evaluation of Existing Regulations, May 15, 2017 (pg. 2).

[16] See related comments from: <u>Alabama</u> (pg. 1); <u>Arkansas</u> (pg. 1); <u>Georgia</u> (pg. 1, 6 – 7); <u>Kentucky</u> (pg. 3 – 4); <u>Nevada</u> (pg. 1); <u>North Carolina</u> (pg. 5 – 6); <u>Ohio</u> (pg. 1); <u>South Carolina</u> (pg. 2); <u>Texas</u> (pg. 7); <u>West Virginia</u> (pg. 3 – 4); <u>Wyoming</u> (pg. 4).

[17] See related comments from <u>North Carolina</u> (Attachment, pg. 2 – 3) and <u>Ohio</u> (pg. 1).

[18] <u>Draft Guidance on Significant Impact Levels for Ozone and Fine Particles in the Prevention of Significant Deterioration Permitting Program</u>. In the <u>accompanying legal document</u>, EPA states it has "often equated an insignificant impact with one that is trivial or *de minimis* in nature."

[19] <u>Kentucky DAQ</u>, April 6, 2017, pg. 3 – 4.

[20] 81 FR 81303.

the Clean Air Act, states are not responsible for reducing emissions from background sources."[21] Despite these acknowledgements, the failure to account for these contributions in the interstate transport process, upwind states are being "required to offset compensate for international emissions."[22]

U.S. EPA's August 14 *Report to Congress on Administrative Options to Enable States to Enter into Cooperative Agreements to Provide Regulatory Relief for Implementing Ozone Standards* highlights "understanding the role of background ozone levels" and "appropriately accounting for international transport" as two of the complex issues the Agency and its Ozone Cooperative Compliance Task Force will be evaluating.[23] AAPCA encourages EPA to examine these factors in the interstate transport context as well. In their comments on the proposed revisions to the ozone NAAQS in 2015, more than half of state environmental agencies from across the country identified background ozone or international transport as an achievability or implementation challenge under a revised standard.[24] Recent comments suggest that these contributions are significant and that EPA's failure to address these concentrations penalizes upwind states for international contributions:

- "Because the modeling domain only includes small fractions of Canada and Mexico, it is very likely that no monitor east of the Rockies would be classified as 'nonattainment' or 'maintenance' were it not for 'emissions emanating from outside of the United States'. A rational interpretation of Section 818 of the Federal Clean Air Act (42 U.S. Code, §7509a), therefore, is that while some monitors still may not attain the 2015 ozone standard by 2023, upwind states should not be held responsible for making extraordinary emission reduction to compensate for international emissions." - Texas Commission on Environmental Quality (CEQ), comments on U.S. EPA's 2017 NODA, April 5, 2017 (pg. 10)
- "EPA's modeling identified six counties in four western states, none of which adjoin international borders, with contributions to the 2017 DV from manmade state sources of less than 12 percent and contributions from manmade U.S. sources less than 25 percent, including one with contributions from manmade U.S. sources of 10 percent… Moreover, EPA's modeling for the 2008 Ozone NAAQS transport assessment demonstrates that in 2017, there are 36 monitor locations in 28 counties in 8 states that will be affected by international contributions of greater than 75 percent of their design values. Further, there are 55 monitors in 38 counties that are modeled to be affected by international contributions greater than 70 percent of the monitors' design values." - Western States Air Resources Council (WESTAR), comments on U.S. EPA's proposed SIP Requirements Rule, February 13, 2017 (Attachment, pg. 1)
- "The latest research estimates ozone transported from Asia range from a few ppb to more than 15 ppb under certain conditions. The science and understanding of international ozone transport is still growing, and to prematurely prevent its use would be in conflict with the intent of the Act." - San Joaquin Valley Air Pollution Control District, comments on U.S. EPA's proposed SIP Requirements Rule, February 13, 2017 (pg. 7)
- "For example, the NODA shows 32 sites in Ohio show a significant contribution (up to 3.33 ppb) from Canada/Mexico, including many in counties that are not adjoining the Canadian border." - Ohio EPA, comments on U.S. EPA's proposed SIP Requirements Rule, February 13, 2017 (pg. 11)

[21] https://www.epa.gov/sites/production/files/2015-10/documents/20151001_background_ozone.pdf.
[22] Texas Commission on Environmental Quality, comments on U.S. EPA's Preliminary Interstate Ozone Transport Modeling Data for the 2015 Ozone National Ambient Air Quality Standard, April 5, 2017 (pg. 9).
[23] http://www.csg.org/aapca_site/news/documents/FY17OzoneRRR.PDF.
[24] AAPCA, State Environmental Agency Perspectives on Background Ozone & Regulatory Relief, June 2015.

- Several recent, peer-reviewed studies suggest international emissions are a major driver of ozone concentrations through the U.S. and have offset as much as half of nitrogen oxide emission controls in the western U.S.[25]
- Other analyses indicate that, based on EPA's transport modeling, but for international transport (through the identification of boundary conditions, initial conditions, Canadian, and Mexican emissions from 2011), no monitor in the country would have an ozone design value greater than 66 ppb in 2017 or 57 ppb in 2023.[26]

EPA should consistently apply the same approach to identifying and addressing interstate and international ozone transport, and the failure to do so subjects states to an overcontrol of emissions as a result of international and background contributions. The inconsistency is highlighted by EPA's proposal in the SIP Requirements Rule to limit the applicability of Section 179B to only allow areas directly adjoining an international border to make international transport demonstrations. As Texas CEQ stated, "EPA has routinely linked upwind states to downwind receptors that are significantly distant from the upwind state. For example, in the EPA's recent Cross State Air Pollution Rule Update, the EPA identified Texas as significantly contributing to ozone nonattainment in Sheboygan County, Wisconsin, approximately 900 miles from the Texas border. It is irrational for the EPA to apply one geographic standard for interstate transport and another far more restrictive standard for international transport of the same criteria pollutant."[27] Similarly, EPA also proposed requiring that areas seeking relief under Section 179B to show that all Reasonably Available Control Measures (RACM) are implemented, even though such a requirement does not exist for downwind areas under recent interstate transport rules.[28]

EPA should embrace a state-driven process to address interstate transport, including EPA action on timely and relevant SIPs and a re-assessment of expectations for Infrastructure SIPs

U.S. EPA's August 2017 *Report to Congress on Administrative Options to Enable States to Enter into Cooperative Agreements to Provide Regulatory Relief for Implementing Ozone Standards*, notes that "all states must submit an 'infrastructure' plan, which addresses basic air quality management provisions of Section 110 of the Act."[29] AAPCA's May 15, 2017 comments on EPA regulatory reform described the shifting expectations for infrastructure/Good Neighbor SIPs: "Historically, states were required to generally demonstrate that they had the adequate authorities and resources in place to comply with each requirement in Section 110(a)(1) and (2). This was commonly achieved by submitting relevant state-level rules that provided these authorities and resources to the state. Over the past several years, however, much more has been asked of the states to fulfill the requirements of these Infrastructure SIPs (iSIPs) for

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[25] Lin, M., Horowitz, L. W., Payton, R., Fiore, A. M., and Tonnesen, G.: US surface ozone trends and extremes from 1980 to 2014: quantifying the roles of rising Asian emissions, domestic controls, wildfires, and climate, *Atmos. Chem. Phys.*, 17, 2943-2970.
Nopmongcol, U., Liu, Z., Stoeckenius, T., and Yarwood, G.: Modeling intercontinental transport of ozone in North America with CAMx for the Air Quality Model Evaluation International Initiative (AQMEII) Phase 3, *Atmos. Chem. Phys.*, 17, 9931-9943.
Verstraeten, W, Neu, J., Williams, J., Bowman, K., Worden, J., and Boersmal, K., Rapid increases in tropospheric ozone production and export from China, *Nature Geoscience*, August 2015, 1-6.
Cooper, O., Langford, A., Parrish, D., and Fahey, D., Challenges of a lowered U.S. ozone standard," *Science*, June 2015, 1096-1097.
[26] Midwest Ozone Group, "Assessment of International Transport and Improved Ozone Air Quality," (June 22, 2017) and comments on Proposed Denial of 176A Petition.
[27] Texas CEQ, comments on U.S. EPA's 2017 NODA, April 5, 2017 (pg. 7).
[28] Ohio EPA, comments on U.S. EPA's proposed SIP Requirements Rule, February 13, 2017 (pg. 11).
[29] http://www.csg.org/aapca_site/news/documents/FY17OzoneRRR.PDF.

promulgations and revisions of various NAAQS. In fact, the states are now asked to submit information for iSIPs that is more appropriate for inclusion into full SIPs or attainment demonstrations. This process has become overly burdensome and requires far too many resources."[30]

As Ohio EPA indicated in their comments, "U.S. EPA has set a standard for implementation that no State could realistically perform on their own in order to fulfill their obligation to address the good neighbor provision in their infrastructure SIPs, or at least not without significant resource burdens to all the individual States. Therefore, States are repeatedly subject to the FIP process and deterred from their right to try to address the obligation in the first instance with a SIP."[31] Previous interstate transport rules have involved U.S. EPA issuing a FIP "before even proposing action on relevant and timely submitted SIPs."[32] States should not be bound by the contribution assessed by U.S. EPA and should be given discretion to craft individualized approaches to address interstate transport.[33]

EPA should adjust its methodology for cost-effective NO_x controls

EO 13783 on Promoting Energy Independence and Economic Growth states that "…necessary and appropriate environmental regulations…are of greater benefit than cost…."[34] Under CSAPR, the CSAPR Update, and the 2017 NODA, states have repeatedly highlighted concerns about EPA's methodology for determining cost-effective NOx controls. As Kentucky explained in their comments on the 2017 NODA, "EPA's explanation of the non-linear relationship between emissions reductions of NO_x and the reduction of ozone concentrations measured at downwind receptors further highlights the technical limitations of interstate transport modeling and questions whether its use is appropriate in determining cost-effective control scenarios."[35]

EPA should reassess its approach to identifying downwind maintenance and nonattainment receptors

EPA should base its identification of downwind receptors of interest on monitoring data and consider only receptors located in areas designated nonattainment for the applicable standards in its transport analysis. EPA should stop treating projected maintenance areas as identical to projected nonattainment areas when identifying receptors and quantifying upwind emission reductions. This approach is inconsistent with CAA Section 107(a) and results in upwind state NO_x budgets that control emissions more than the level necessary to maintain attainment with the NAAQS. If EPA continues including maintenance receptors that were never designated nonattainment in their framework, the Agency needs to adopt a more realistic scenario for calculating future design values. Prior to CSAPR, U.S. EPA used a "monitored-plus-modeled" approach to assess interstate transport and determine remedies.[36]

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[30] http://www.csg.org/aapca_site/documents/AAPCA-EPARegulatoryReform-DocketIDEPA-HQ-OA-2017-0190-5-15-17.pdf.

[31] Ohio EPA, comments on U.S. EPA's Evaluation of Existing Regulations, May 15, 2017 (pg. 2).

[32] Texas CEQ, comments on CSAPR Update (pg. 1).

[33] See related comments: Arizona Department of Environmental Quality, comments on U.S. EPA's regulatory reform, May 15, 2017 (Attachment 1, pg. 1); Texas CEQ, comments on 2017 NODA, April 5, 2017 (pg. 3); Ohio EPA, comments on 2017 NODA (cover letter, pg. 2).

[34] 82 FR 16093.

[35] Kentucky Division for Air Quality, comments on 2017 NODA, April 6, 2017 (pg. 5). See similar comments on CSAPR Update by Arkansas (pg. 1 - 2), Indiana (pg. 1), Kentucky (pg. 2) Mississippi (pg. 2), Ohio (pg. 1), Tennessee (pg. 1), Iowa, and Michigan.

[35] 62 FR 60324 – 60325; 69 FR 4581.

[36] 62 FR 60324 – 60325; 69 FR 4581.

The Wyoming Department of Environmental Quality (DEQ) argued in comments on the 2017 NODA that "EPA's recent actions on transport SIPs have departed from previous approaches to determining adequacy by using the results of a single model rather than weighing all available evidence as it did prior to using CSAPR thresholds."[37] EPA should differentiate nonattainment and maintenance areas, utilize monitoring data, and account for air quality trends when identifying affected receptors.[38]

EPA needs to address controls on in-state sources first

Section 107(a) of the Clean Air Act states: "Each State shall have the primary responsibility for assuring air quality within the entire geographic area comprising such State by submitting an implementation plan for such State which will specify the manner in which national primary and secondary ambient air quality standards will be achieved and maintained within each air quality control region in such State." In order to avoid disproportionate emission reductions from upwind states, U.S. EPA should ensure that downwind areas should address local, in-state control strategies for downwind nonattainment or maintenance receptors. Tennessee stated in its comments on the CSAPR Update, "…because the circumstances are such that downwind states are going to need more reductions to attain the NAAQS than is represented by the upwind states contribution, EPA should first identify reasonable reductions available within the downwind nonattainment areas and exhaust those opportunities first."[39]

EPA should abandon non-transparent and unreliable modeling platforms

AAPCA agencies have continued concern about EPA's reliance on the Integrated Planning Model (IPM), and appreciate Agency moves to shift to more transparent platforms. Air agencies have catalogued a series of unit-level errors, including inaccurate retirements, in IPM runs used to support prior interstate transport rules.[40] IPM is a proprietary model that often forces air agencies to guess about key inputs and assumptions. As such, its use by EPA is inconsistent with provisions of EO 13777 (requiring Regulatory Reform Task Forces to identify regulations that "rely in whole or in part on data, information, or methods that are not publicly available or that are insufficiently transparent to meet the standard for reproducibility") and EO 13783 (establishing a policy that environmental regulations "are developed through transparent processes that employ the best available, peer-reviewed science and economics").

The 2017 NODA acknowledges other projection methodologies, such as the approach used by ERTAC,[41] and these alternatives may have advantages of non-proprietary code, the ability to be transferred to air agencies at no cost, and more frequently updated inputs.[42] AAPCA members have expressed concerns about IPM projections that often "include erroneous assumptions about the future use of electric generating units"[43] and "one size fits all assumptions."[44] Currently, EPA is preparing emissions

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[37] Wyoming DEQ, comments on 2017 NODA, April 6, 2017 (pg. 3).

[38] See related comments from: Arkansas DEQ, comments on CSAPR Update, pg. 4; Texas CEQ, comments on 2017 NODA (pg. 8); AAPCA, comments on 2017 NODA (pg. 4); North Carolina Division of Air Quality, comments on CSAPR Update (pg. 12).

[39] Tennessee DEC, comments on CSAPR Update, pg. 4. See also: North Carolina Division of Air Quality, pg. 3 – 4.

[40] See, for example, 2016 comments on the proposed interstate transport rule for the 2008 ozone NAAQS by environmental agencies of Georgia (pg. 4 -5), Indiana (pg. 1), Louisiana (pg. 2-3), Kentucky (pg. 2), Mississippi (pg. 1 - 2), North Carolina (pg. 1), North Dakota (pg. 1), Ohio (pg. 2), South Carolina (pg. 1), Tennessee (pg. 2 - 3), Virginia (pg. 5), Illinois, Iowa, Michigan, Missouri, New York, Wisconsin, and Connecticut.

[41] 82 FR 1736.

[42] http://www.csg.org/aapca_site/news/documents/CSAPRModelingwithERTAC-10-24-2016.pdf.

[43] South Carolina Department of Health and Environmental Control, comments on 2017 NODA, April 4, 2017 (pg. 1).

[44] Ohio EPA, comments on 2017 NODA, April 6, 2017 (pg. 5).

inventories and modeling for 2023 in response to the court-ordered deadline to implement a Federal Implementation Plan for Kentucky. States believe that this is an excellent opportunity to accept and utilize the latest ERTAC modeling results, with specific input provided by state air agencies.

EPA should seek to animate other provisions for regulatory relief for international transport
In light of peer-reviewed science and EPA modeling showing significant contribution to ground-level ozone from international sources, EPA and its Ozone Cooperative Compliance and Regulatory Reform Task Forces should seek to maximize regulatory relief for air agencies. Utilizing provisions in the Clean Air Act to avoid penalizing state and local governments for international ozone should be a key element of the Administration's pursuit of an America First Energy Policy and Foreign Policy. There are a number of provisions designed to provide regulatory relief from international contributions within EPA's existing authority and the Agency should seek to provide maximum flexibility through the final SIP Requirements Rule or other mechanisms.

Section 179B – International Transport
According to EPA, Section 179B of the CAA is a "tool for air agencies to address exceedances of an ozone standard potentially caused by background ozone" that "allows EPA to approve an ozone attainment plan for a nonattainment area, if the state demonstrates that it has taken appropriate local measures and international transport of pollution is a significant impediment to meeting the standard on time."[45] However, an AAPCA survey of comments on the 2015 proposed revision to the ozone NAAQS found that more than one-third of state environmental agencies commented on limitations to the use of CAA Section 179B for demonstrating attainment "but for" international emissions. A follow up survey of AAPCA members found that at least half of responding agencies identified a lack of familiarity with this tool, resource and time constraints, low likelihood of EPA approval, and lack of applicability for their state as limitations to the use of Section 179B.[46] As EPA noted in its final revisions to the Exceptional Events Rule, "CAA Section 179B… does not provide a pathway from designation as a nonattainment area."[47]

In order to animate this provision and follow Congress' intent,[48] U.S. EPA should:

- Not limit this relief to areas affected by Mexico or Canada, or areas directly adjoining international borders, as suggested in the proposed SIP Requirements Rule.[49] EPA previously stated that it "does not believe this provision is restricted to areas adjoining international borders."[50] As discussed previously, EPA modeling and recent, peer-reviewed studies suggest significant contributions from non-North American sources and for areas not adjoining international borders.
- Identify a deadline for EPA action on Section 179B demonstrations.[51]

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[45] https://www.epa.gov/sites/production/files/2015-10/documents/20151001_background_ozone.pdf.
[46] AAPCA, State Environmental Agency Perspectives on Background Ozone & Regulatory Relief, June 2015.
[47] 80 FR 72865.
[48] During debates over CAA Amendments of 1990, Senator Gramm of Texas stated: "It is unfair to hold El Paso accountable for pollution that is generated in a foreign country that they have no control over." Senate Debate on S. 1630, March 9, 1990, reprinted in 4 Environment and Natural Resources Policy Division, Library of Congress, *A Legislative History of the Clean Air Act Amendments* 5674, 5742 (1998). See related comments from: Arizona (pg. 11); and WESTAR (pg. 3).
[49] See related comments from: Arizona (pg. 8); Ohio (pg. 10 – 11); North Carolina (pg. 10 – 11); Texas (pg. 7 – 8); Wyoming (pg. 4 – 5); San Joaquin Valley APCD (pg. 6 – 7); and, WESTAR (pg. 1 – 2).
[50] 80 FR 12294.
[51] See related comments from: Arizona (pg. 8) and WESTAR (pg. 2).

- Avoid requiring that areas making demonstrations under Section 179B implement RACT and RACM[52] before qualifying for relief and, if possible, limit Nonattainment New Source Review requirements.[53]
- Ensure consistency between the handling of interstate and international ozone transport, as discussed above.
- Provide updated guidance or a general framework outlining steps for successful Section 179B demonstrations.[54] EPA's summary of the background ozone workshop in early 2016 identifies a number of areas in which state air agencies have requested clarity.[55] EPA should consolidate and update related guidance.[56]
- Give states maximum discretion regarding international transport demonstrations.[57]

Section 319 – Exceptional Event Exclusions

Another tool identified by EPA to address exceedances of the ozone NAAQS is the Exceptional Events Rule under CAA Section 319. AAPCA and its members have provided comments on limitations to the use of this tool through comments on the 2015 ozone NAAQS revision and proposed revisions to the Exceptional Events Rule.[58] EPA has been inconsistent on the applicability of this regulatory relief tool for international contributions, as well as to the role of international transport in other CAA programs.[59] In its final revisions to the Exceptional Events Rule, the Agency stated: "routine or long-term international manmade emissions are not exceptional events because they are caused by human activity that is *likely to recur* at a given location…"[60] In 2015, EPA concluded: "Although monitored data cannot be excluded for a determination of whether an area has attained a NAAQS based solely on the fact the data are affected by emissions from outside the U.S., such data may be excluded from consideration if they were significantly influenced by exceptional events as described in CAA section 319(b)."[61]

In comments on EPA regulatory reform, the Clark County Department of Air Quality argued that EPA should use the same approach to excluding monitored data that is influenced by exceptional events as it

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[52] See related comments from: Arizona (pg. 8 – 10); Ohio (pg. 11); North Carolina (pg. 11 – 12); Texas (pg. 7 – 8); Wyoming (pg. 4 – 5); and, WESTAR (pg. 3).
[53] See related comments from: Arizona (pg. 1).
[54] See related comments from: Arizona (pg. 8); North Carolina (pg. 12); San Joaquin Valley APCD (pg. 7); and WESTAR (pg. 2). Also see comments on the proposed 2015 ozone NAAQS by Texas (pg. 34 – 35) and Wyoming (pg. 3), as well as the WESTAR comments on background ozone white paper (pg. 2, 10 – 11).
[55] U.S. EPA, "High-Level Summary of Background Ozone Workshop," March 15, 2016 (pg. 3).
[56] For example, EPA's Criteria for Assessing he Role of Transported Ozone/Precursors in Ozone Nonattainment Areas was last updated in May 1991.
[57] Arizona DEQ, comments on EPA's regulatory reform (pg. 1).
[58] Compiled comments here. See also: AAPCA's June 2015 report, State Environmental Agency Perspectives on Background Ozone & Regulatory Relief.
[59] For example, in EPA's 1999 revisions to regional haze regulations, the Agency stated: "The EPA agrees that the projected emissions from international sources will in some cases affect the ability of States to meet reasonable progress goals" (64 FR 35736). However, comments from the Alaska Department of Environmental Conservation (DEC) on EPA regulatory reform highlight a related concern: "ADEC supports the ability to deduct emissions originating from anthropogenic, extreme episodic natural events, and international emission sources from our baseline emissions and progress to reaching natural visibility conditions in 2064. However, ADEC is concerned that EPA acted arbitrary and capriciously, and contrary to the Clean Air Act, by requiring that Alaska quantify international emission impacts on Class I Areas in Alaska without first identifying the methods for doing so and by shifting EPA's responsibilities under the CAA to quantify and address those international air emissions to the state."
[60] 81 FR 68228.
[61] 80 FR 12293.

does for monitored data that is influenced by international transport. These comments also stated: "it is important to delay issuance of a final rule on implementation of the 2015 NAAQS for ozone until EPA has had an opportunity to evaluate the extent to which foreign sources of air pollution… impact designations of areas under section 107(d) of the [CAA] as well as attainment and maintenance of NAAQS."[62] WESTAR encouraged EPA to further characterize contributions from international anthropogenic emissions which "would facilitate the identification of long-range transport events which may qualify for [Exceptional Event Rule] relief under certain meteorological conditions."[63]

Other Approaches to Regulatory Relief

In addition to the tools discussed above, EPA's 2015 White Paper on background ozone identified three other mechanisms – including through revised data handling and designations – to account for background or internationally transported ozone. EPA stated that these mechanisms were not discussed "due to legal or other deficiencies."[64] EPA should assess the potential for these mechanisms to address international transport. In light of the consensus comments of state environmental agencies raising concerns about internationally transported ozone creating NAAQS implementation and achievability challenges,[65] EPA and the Clean Air Scientific Advisory Committee should consider these contributions in future NAAQS reviews. EPA should also re-examine the findings and recommendations from the 2010 National Research Council report, *Global Sources of Local Pollution: An Assessment of Long-Range Transport of Key Air Pollutants to and from the United States.*[66]

Additionally, WESTAR's comments on the background ozone white paper identified concepts for further discussion. These included a principal contributor concept, where "where all background contributions, regardless of origin, are excluded by either a change in the form of the standard or via the [Exceptional Events Rule] from attainment/nonattainment designation following a demonstration that background is the principal contributor to monitored exceedances."[67] As Nevada Division of Environmental Protection (DEP) comments on EPA regulatory reform stated: "Significant sources of ozone in these areas are not controllable by the states, with international transport, inter-state transport, western wildfires, and stratospheric intrusion the principal contributors."[68]

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[62] Clark County Department of Air Quality, comments on U.S. EPA's regulatory reform, May 15, 2017 (pg. 2).
[63] WESTAR, comments on background ozone white paper (pg. 7).
[64] U.S. EPA, "Implementation of the 2015 Primary Ozone NAAQS: Issues Associated with Background Ozone," White Paper for Discussion, December 30, 2015 (pg. 12, footnote 41).
[65] AAPCA, State Environmental Agency Perspectives on Background Ozone & Regulatory Relief, June 2015
[66] National Research Council, *Global Sources of Local Pollution: An Assessment of Long-Range Transport of Key Air Pollutants to and from the United States*, 2010.
[67] WESTAR, "Western States Responses Regarding Background Ozone and Recommendations for Additional Efforts in the Western U.S," May 11, 2016 (Attachment, pg. 9).
[68] Nevada DEP, comments on EPA regulatory reform (pg. 1).

Message

From: Clint Woods [cwoods@csg.org]
Sent: 9/15/2017 1:39:47 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: Yeow, Aaron [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=613120791828428b8cbfd6178910d97e-Yeow, Arron]; Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Yamada, Richard (Yujiro) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4c34a1e0345e4d26b361b5031430639d-Yamada, Yuj]; Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]; Lyons, Troy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=15e4881c95044ab49c6c35a0f5eef67e-Lyons, Troy]; sean.alteri@ky.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f999b3b9716c4924b5cbb9c4cdf645d0-sean.alteri@ky.gov]; Spencer, Stuart [SPENCER@adeq.state.ar.us]
Subject: Comments on Candidates for EPA's Clean Air Scientific Advisory Committee
Attachments: AAPCA Comments - CASAC List of Candidates - 9-15-17.pdf

Administrator Pruitt,

Please find the attached letter from the Association of Air Pollution Control Agencies (AAPCA) on the list of candidates under consideration for appointment to U.S. EPA's Clean Air Scientific Advisory Committee (CASAC). The letter encourages U.S. EPA to select state air agency experts for the chartered CASAC as well as future review panels. It also discusses Clean Air Act requirements for membership and scope of advice (including advice on adverse health, welfare, social, economic, or energy effects related to National Ambient Air Quality Standards), the value of geographically and scientifically diverse viewpoints, and your opportunity, as the appointing authority, to determine appointment and terms for federal advisory committee members in accordance with 41 CFR 102-3.130.

Thank you for the opportunity to provide feedback on these qualified candidates for CASAC, and please do not hesitate to contact us with any additional questions.

Clint Woods
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8040 – office
cwoods@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

September 15, 2017

Administrator Scott Pruitt
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, DC 20460

Subject: Invitation for Public Comment on the List of Candidates for the U.S. Environmental Protection Agency's (EPA) Clean Air Scientific Advisory Committee (CASAC)

Administrator Pruitt:

The Association of Air Pollution Control Agencies (AAPCA)[1] appreciates U.S. EPA's request for public comments on the list of candidates for service on EPA's chartered CASAC.[2] You stated in EPA's call for nominations that you "... encourage scientific viewpoints from a full range of stakeholders in order to achieve balanced scientific advice."[3] Recently, AAPCA, in conjunction with The Council of State Governments (CSG), created a new resource – located at www.cooperativefederalism.org – entitled *STATES AT THE TABLE: Engaging Energy and Environmental Opportunities with Federal Advisory Committees* to provide information on federal advisory committee opportunities for state officials.[4]

U.S. EPA's list of qualified candidates includes four experts from state environmental agencies: Dr. James Boylan, Georgia Environmental Protection Division (and co-chair of AAPCA's Modeling Committee); Dr. Sabine Lange, Texas Commission on Environmental Quality; Dr. Steve Packham, Utah Department of Environmental Quality; and, Dr. Larry Wolk, Colorado Department of Public Health and Environment. These individuals have demonstrated high levels of competence, knowledge, and expertise in fields relevant to air pollution and air quality issues, and possess significant experience in the technical aspects of National Ambient Air Quality Standards (NAAQS), including cost-benefit analysis, modeling, monitoring, and emissions inventory assessment. Their on-the-ground experience in implementing the NAAQS would be indispensable to CASAC and EPA, and would provide key perspectives in the scientific review process. Each candidate also holds an advanced degree, with impressive academic credentials in fields that include chemical engineering, modeling, risk assessment, toxicology, and public health.

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[1] AAPCA is a national, non-profit, consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on the AAPCA Board of Directors. AAPCA is housed in Lexington, Kentucky as an affiliate of The Council of State Governments. You can find more information about AAPCA at: http://www.cleanairact.org. In addition, more information on AAPCA agencies can be found in the recently released report, *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*.

[2] U.S. EPA Science Advisory Board Staff Office, Invitation for Public Comment on the List of Candidates For the Environmental Protection Agency's Clean Air Scientific Advisory Committee, August 28, 2017.

[3] U.S. EPA, "EPA to Accept Nominations for Science Boards," June 27, 2017.

[4] This resource includes information on federal advisory committees at U.S. EPA, the U.S. Departments of Energy and Interior, and the National Oceanic and Atmospheric Administration, as well as an introduction to the Federal Advisory Committee Act.

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AAPCA strongly recommends that EPA consider these state experts in the current chartered CASAC selection process. State, local, and tribal agency personnel possess direct knowledge and experience critical to providing informed, comprehensive, and authoritative understanding of the NAAQS.

EPA should ensure the chartered CASAC and individual NAAQS review panels include significant state, local, or tribal participation and diverse geographic backgrounds of advisors. At present, this is not the case. To illustrate:

- According to a May 2015 letter from CSG West: "For EPA's Clean Air Scientific Advisory Committee Ozone Review Panel, which provided the critical advice for Administrator Gina McCarthy's proposed ozone regulations, only one of the 22 panelists came from a state/local perspective."[5]
- Historically, representation on CASAC committees and panels has been limited to specific regions and a handful of states.[6]
- A survey of twenty state air directors, including both AAPCA members and non-members, provides context for these concerns.[7] The survey found:
  - A majority of respondents said state and local agencies are not adequately represented on CASAC and its subpanels, and that these panels are not sufficiently geographically diverse.
  - A majority of respondents agreed that the CASAC process for nominating and recommending expert candidates was transparent and clearly understood, but the top three barriers selected by respondents to state personnel serving on CASAC or its subpanels were lack of time to serve, low likelihood of being selected, and a perceived lack of expertise.
- Other EPA federal advisory committees have found avenues to expand membership for intergovernmental partners and co-regulators. For example, the Assumable Waters Subcommittee of the National Advisory Council on Environmental Policy and Technology (NACEPT) included ten state and two tribal members, representing members from seven different EPA regions.[8]
- The *Consolidated Appropriations Act of 2016*, signed into law on December 17, 2015, was accompanied by a report directing the EPA Administrator to develop a policy statement on science quality and integrity for the Science Advisory Board. The report also indicated that "EPA's policy statement should include goals on increasing membership from States and tribes who are often underrepresented…."[9]
- The Government Accountability Office (GAO) reviewed this policy statement and reported in June 2017 that EPA did "not include specific or numeric goals on increasing membership from states and tribes," and recommended that the Agency specifically address the Congressional directives.[10]
- The U.S. House Appropriations Committee report for H.R. 3354, *the Department of the Interior, Environment, and Related Agencies Appropriations Act of 2018*, again directed EPA "to develop updated policy statements in order to fulfill previous Congressional directives."[11]

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[5] The Council of State Governments West, Letter to Senators Mike Rounds and Edward Markey, May 19, 2015.
[6] Data collected from CASAC entry in the FACA database, which contains information on panelists back to FY1997.
[7] Survey results and related presentation are available on AAPCA's 2016 Spring Meeting website.
[8] U.S. EPA, Assumable Waters Sub-Committee, June 2016. The Assumable Waters Subcommittee Report was transmitted via NACEPT on June 2, 2017.
[9] Explanatory Statement Submitted for Consolidated Appropriations Act, 2016, pg. H10220, December 17, 2015.
[10] GAO Assessment of Updated EPA Policy Statement, June 8, 2017
[11] Report from the Committee on Appropriations to accompany H.R. 3354, pg. 62, July 21, 2017.

The Federal Advisory Committee Act requires committees to be "fairly balanced in terms of the points of view represented and the functions to be performed." CASAC's charter and the Clean Air Act (CAA) direct EPA to appoint at least one member of the National Academy of Sciences, one physician, and one person representing state air pollution control agencies. The most recent Membership Balance Plan for CASAC, last updated in June 2017, states that "Geographic location may be considered" as the only other balance factor that "EPA identifies as important in achieving a balanced [Federal Advisory Committee]."[12] U.S. EPA's Peer Review Handbook states that the Agency should "include a broad enough spectrum of other related experts to consider wider dimensions of the issue(s)" and "keep a balance by considering new individuals who bring fresh perspectives to the review of a work product."[13]

Geographically diverse state, local, and tribal contributors have unique, direct experience with the NAAQS, including expertise that could help CASAC carrying out the full responsibilities in its charter and Section 109(d) of the CAA. This includes advice on: "any adverse public health, welfare, social, economic, or energy effects which may result from various strategies for attainment and maintenance of such" NAAQS; "the relative contribution to air pollution concentrations of natural as well as anthropogenic activity"; "areas in which additional knowledge is required to appraise the adequacy and basis of" NAAQS; and, "the research efforts necessary to provide the required information."

In 2015, the GAO reported that CASAC has not carried out its role in providing some of this advice related to the NAAQS "... because EPA has never asked CASAC to do so."[14] EPA's press release calling for nominations also recognized that EPA and CASAC have failed to carry out statutory duties required in the CAA. AAPCA has detailed the historical record confirming GAO's finding, and identified five avenues for EPA and CASAC to facilitate this advice (including the critical role of experts from state, local, and tribal environmental agencies in reforming the current CASAC review process).[15] Communications from AAPCA members also suggest that state air pollution control agencies would benefit from the full suite of statutorily required advice.[16]

EPA should select state air agency experts for the chartered CASAC from this list of qualified candidates. If EPA is unable to select a seven-member chartered CASAC that satisfies CAA requirements for membership and scope of advice, including advice on adverse social, economic or energy effects related to NAAQS, and with geographically and scientifically diverse viewpoints, the EPA Administrator, as the appointing authority, should reconstitute the panel in accordance with 41 CFR 102-3.130.[17] EPA should

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[12] CASAC 2017 Membership Balance Plan.
[13] U.S. EPA, Peer Review Handbook, 4th Edition, October 2015.
[14] U.S. GAO, EPA'S SCIENCE ADVISORY BOARD: Improved Procedures Needed to Process Congressional Requests for Scientific Advice, June 2015.
[15] AAPCA, "Advice and Context: The Role of CASAC in Contextualizing Background Pollution and Adverse NAAQS Effects," June 2016.
[16] In response to a May 2014 letter from members of the U.S. Senate Committee on Environment and Public Works, the Louisiana Department of Environmental Quality, Mississippi Department of Environmental Quality, North Carolina Department of Environment and Natural Resources (now Department of Environmental Quality), and Texas Commission on Environmental Quality provided feedback on the CASAC process. Multi-state comments on the proposed ozone NAAQS provide perspectives on the role of CASAC. The previously cited survey of state air directors found that more than 80 percent of respondents thought CASAC advice on the full suite of topics in the charter and Section 109(d) of the Clean Air Act, as part of the NAAQS review process, would be helpful.
[17] 41 CFR 102-3.130 states "Unless otherwise provided by statute, Presidential directive, or other establishment authority, advisory committee members serve at the pleasure of the appointing or inviting authority. Membership terms are at the sole discretion of the appointing or inviting authority."

also strongly encourage nominations of qualified state, local, and tribal environmental agency experts for future openings on individual CASAC NAAQS review panels.

Thank you for the opportunity to provide feedback on EPA's excellent list of candidates for CASAC. If you have any questions regarding our comments, please contact Mr. Clint Woods, Executive Director, at cwoods@csg.org or (859) 244-8040.

Sincerely,

Sean Alteri
Director, Kentucky Division for Air Quality
2017 President, AAPCA

Stuart Spencer
Associate Director, Office of Air Quality
Arkansas Department of Environmental Quality
2018 President, AAPCA

ED_002402_00013873-00004

Message

From: Siebers, Michael L. [MSiebers@PeabodyEnergy.com]
Sent: 3/31/2017 8:41:01 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
Subject: Thank you [WARNING: DKIM validation failed]

Mr. Pruitt –
I had the opportunity to attend the Executive Order signing this week at the EPA building.
It was an event that I will remember for the rest of my life.
Thank you and your team for all your efforts.
If I can ever be of assistance do not hesitate to contact me.
Thank you,
Mike Siebers
Ex. 6

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Message

From: debra.jezouit@bakerbotts.com [debra.jezouit@bakerbotts.com]
Sent: 3/13/2017 8:58:17 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: Dunham, Sarah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a9444681441e4521ad92ae7d42919223-SDUNHAM]; Werner, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e8e94d3c8c4143ea9a039e40cc82a311-Werner, Chr]; Jones, Rhea [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8d213054092e4312bf031a52d13aafb8-RJONES02]; Ann.M.Seha@xcelenergy.com; kmcque1@entergy.com; william.matthews@cleco.com; allison.mallick@bakerbotts.com
Subject: Petition for Reconsideration of Regional Haze Rule Revisions
Attachments: removed.txt; Cover Letter for SPS, Entergy, Cleco Petition for Reconsideration.pdf; SPS, Entergy, Cleco Petition for Reconsideration of RH Revision Rule.pdf

Administrator Pruitt:

Enclosed please find a cover letter and Petition for Reconsideration of the final Regional Haze Rule revisions on behalf of Southwestern Public Service Company, Entergy Services, Inc. and Cleco Power LLC. If you have any questions about the attached Petition for Reconsideration, please do not hesitate to contact me.

Debra J. Jezouit
Partner

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March 13, 2017

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VIA EMAIL AND HAND DELIVERY

Mr. Scott Pruitt
Administrator, U.S. Environmental Protection Agency
U.S. EPA Headquarters
William Jefferson Clinton Building South
1200 Pennsylvania Avenue, N.W.
Mail Code: 1101A
Washington, DC 20460

Re: Petition for Reconsideration of Southwestern Public Service Company, Entergy Services, Inc., and Cleco Power LLC, of the final rule entitled "Protection of Visibility: Amendments to Requirements for State Plans," EPA Docket No. EPA–HQ–OAR–2015–0531

Dear Administrator Pruitt:

Southwestern Public Service Company, Entergy Services, Inc., and Cleco Power LLC respectfully submit the enclosed Petition for Reconsideration of the U.S. Environmental Protection Agency's ("EPA" or "Agency") final rule entitled "Protection of Visibility: Amendments to Requirements for State Plans" ("Final Rule"). 82 Fed. Reg. 3,078 (Jan. 10, 2017). An additional copy of the Petition is enclosed to be time-stamped and returned in the attached envelope.

Thank you for your consideration of the enclosed Petition for Reconsideration. If you have questions, please contact me at (202) 639-7728.

Sincerely,

Debra J. Jezouit

Counsel for Southwestern Public Service Company, Entergy Services, Inc., and Cleco Power LLC

Enclosure

cc: Sarah Dunham

BEFORE THE UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

In re:	)	EPA Docket No.
	)	
Protection of Visibility: Amendments	)	EPA–HQ–OAR–2015–0531
to Requirements for State Plans	)	
	)	

Petition for Reconsideration of the Revisions to the Regional Haze Rule by Southwestern Public Service Company, Entergy Services, Inc., and Cleco Power LLC

Southwestern Public Service Company ("SPS"); Entergy Services, Inc., on behalf of Entergy Corporation and its subsidiaries (collectively, "Entergy"); and Cleco Power LLC ("Cleco") (collectively, "Petitioners") respectfully petition the U.S. Environmental Protection Agency ("EPA" or "Agency") for reconsideration of the final rule entitled "*Protection of Visibility: Amendments to Requirements for State Plans*," Docket No. EPA–HQ–OAR–2015–0531.[1] Specifically, Petitioners request that EPA eliminate (1) provisions codifying an interpretation of the relationship between reasonable progress goals and long-term strategies; and (2) provisions pertaining to the reasonably attributable visibility impairment ("RAVI") program. These provisions contradict the Clean Air Act ("CAA" or "Act") and EPA's previous regulations and impose unnecessary and potentially staggering costs without achieving any corresponding visibility benefits. The Final Rule also improperly interferes with state authority to implement the Regional Haze Program, in direct violation of the cooperative federalism structure of the CAA. As was recently explained in a letter to Administrator Pruitt from the Attorneys General for 19 states, "the primary regulators of the environment are the States and local governments."[2] EPA should reconsider and eliminate these provisions of the Final Rule to restore the proper balance of state and federal authority, as well as to make the Rule consistent with the CAA and prior EPA regulations and effectuate recent Executive Orders.

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[1] 82 Fed. Reg. 3,078 (Jan. 10, 2017) ("Final Rule").

[2] Letter to Hon. Scott Pruitt, Administrator, U.S. EPA, re: Request to reexamine delegation of certain environmental regulation authority to the States in accordance with the express terms of the Clean Air and Water Acts (Mar. 7, 2017).

ED_002402_00013878-00001

I. INTRODUCTION

A. Description of Petitioners

The Petitioners are electric generating companies that own and/or operate power plants subject to the Regional Haze Program and are directly affected by the Final Rule.

SPS is a wholly owned subsidiary of Xcel Energy Inc., a utility holding company headquartered in Minneapolis, Minnesota. Xcel Energy Inc.'s operating companies own 75 generating facilities with approximately 16,744 megawatts of electric generating capacity and 20,053 miles of transmission lines, with SPS owning nine generating plants with approximately 4,446 megawatts of electric generating capacity and 6,839 miles of transmission lines. Xcel Energy Inc.'s operating companies, including SPS, serve approximately 3.5 million electricity customers across Colorado, Michigan, Minnesota, New Mexico, North Dakota, South Dakota, Texas and Wisconsin, with SPS serving approximately 388,000 electric customers in a 52,000 square mile area of the Texas Panhandle and eastern and southern New Mexico. Xcel Energy Inc. has approximately 12,000 employees.

Entergy is an integrated energy company engaged primarily in electric power production and retail distribution operations. Entergy owns and operates power plants with approximately 30,000 megawatts of electric generating capacity. Entergy delivers electricity to 2.8 million utility customers in Arkansas, Louisiana, Mississippi, and Texas and owns and operates wholesale electricity generating units in Massachusetts, Michigan, and New York. Entergy has more than 13,000 employees.

Cleco is a regulated utility company headquartered in Pineville, Louisiana. Cleco owns nine generating units with a total nameplate capacity of 3,310 megawatts, 11,931 miles of distribution lines and 1,305 miles of transmission lines. Cleco delivers electricity to approximately 287,000 customers in Louisiana through its retail business, and supplies wholesale power in Louisiana and Mississippi. Cleco is a wholly owned subsidiary of Cleco Corporate Holdings LLC, a utility holding company headquartered in Pineville, Louisiana. Cleco Corporate Holdings LLC has approximately 1,200 employees.

B. Background

Section 169A of the CAA establishes a national goal of preventing future visibility impairment (*i.e.*, "regional haze") and remedying existing visibility impairment caused by manmade air pollution in certain national parks, wilderness areas, and monuments (collectively defined as "Class I areas").[3] To implement this goal, states must adopt State Implementation Plans ("SIPs") for phased 10-year planning periods that (1) require certain major stationary sources to meet emission limits based on the installation of "best available retrofit technology"

[3] 42 U.S.C. § 7491(a)(1).

ED_002402_00013878-00002

("BART"),[4] and (2) include a long-term strategy for the state to make "reasonable progress" towards the national goal of attaining natural visibility conditions by 2064.[5] The long-term strategy consists of "such emission limits, schedules of compliance and other measures as may be necessary" for meeting reasonable progress goals.[6]

In setting a reasonable progress goal, the CAA requires states to consider four factors: "the costs of compliance, the time necessary for compliance, and the energy and nonair quality environmental impacts of compliance, and the remaining useful life of any existing source subject to such requirements."[7] EPA further specifies that the reasonable progress goal "must provide for an improvement in visibility for the most impaired days over the period of the implementation plan and ensure no degradation in visibility for the least impaired days over the same period."[8] EPA has explained that reasonable progress goals are "interim goals that represent incremental visibility improvement over time toward the goal of natural background conditions."[9]

EPA took a two-phased approach in establishing the Regional Haze Program to satisfy the mandate of CAA Section 169A. In the first phase, EPA addressed impairment of visibility in Class I areas that was "reasonably attributable" to a specific source or smaller group of sources.[10] This "reasonably attributable visibility impairment" ("RAVI") program also addressed potential visibility impacts from new and modified major sources already subject to New Source Review permitting requirements.[11] In the second phase, beginning with EPA's 1999 Regional Haze Rule,[12] EPA addressed regional haze in Class I areas through a regional planning approach. This second phase targets visibility impairment that is not reasonably attributable to a single source or small, defined group of sources, but instead is produced by emissions from a wide array of sources over a broad geographic area.

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[4] BART is defined as "an emission limitation based on the degree of reduction achievable through the application of the best system of continuous emission reduction." 40 C.F.R. § 51.301.

[5] 42 U.S.C. § 7491(b)(2).

[6] *Id.*

[7] 42 U.S.C. § 7491(g)(1).

[8] 40 C.F.R. § 51.308(d)(1).

[9] U.S. EPA, Guidance for Setting Reasonable Progress Goals Under the Regional Haze Program, at 1–2 (June 1, 2007) ("Reasonable Progress Guidance"), available at https://www3.epa.gov/ttn/naaqs/aqmguide/collection/cp2/20070601_wehrum_reasonable_progress_goals_reghaze.pdf.

[10] *See* Visibility Protection for Federal Class I Areas ("RAVI Regulation"), 45 Fed. Reg. 80,084, 80,085–86 (Dec. 2, 1980); 40 C.F.R. § 51.300–307.

[11] *Id.*

[12] 64 Fed. Reg. 35,714, 35,731 (July 1, 1999). EPA revised the Regional Haze Rule in 2005. 70 Fed. Reg. 39,104 (July 6, 2005).

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The Final Rule revises provisions of both the RAVI and Regional Haze Programs.[13] According to EPA, the revisions remove older provisions that have been superseded by subsequent developments and clarify certain provisions to ensure consistent understanding of requirements as states prepare their Regional Haze SIPs for the second implementation period. Most notably, the Final Rule (1) "clarifies" the relationship between reasonable progress goals and long-term strategies; and (2) modifies and expands the RAVI program.

II. REQUEST FOR RECONSIDERATION

EPA should grant reconsideration because certain provisions of the Final Rule contradict the CAA and EPA's previous regulations, undermine the principles of cooperative federalism, and impose excessive costs with no corresponding visibility benefits. Federal agencies have inherent authority to reconsider their past decisions and to revise, replace or repeal a decision to the extent permitted by law and supported by a reasoned explanation. *FCC v. Fox Television Stations, Inc.*, 556 U.S. 502, 515 (2009); *Motor Vehicle Mfrs. Ass'n of U.S. v. State Farm Mut. Auto. Ins. Co.*, 463 U.S. 29, 42 (1983).

Reconsideration of a rulemaking is "well within an agency's discretion" when it is based "on a reevaluation of which policy would be better in light of the facts." *Nat'l Ass'n of Home Builders v. EPA*, 682 F.3d 1032, 1038, 1042 (D.C. Cir. 2012) (citing *Fox*, 556 U.S. at 514-15). The agency need not demonstrate that the reasons for the new policy are better than the reasons for the old one; rather, "it suffices that the new policy is permissible under the statute, that there are good reasons for it, and that the agency believes it to be better." *Fox*, 556 U.S. at 515 (emphasis omitted). A new Presidential Administration is a valid reason for conducting such a reevaluation of the best policy approach. *Motor Vehicle Mfrs. Ass'n*, 463 U.S. at 59 (1983) (Rehnquist, J., concurring in part and dissenting in part) ("A change in administration brought about by the people casting their votes is a perfectly reasonable basis for an executive agency's reappraisal of the costs and benefits of its programs and regulations."). EPA recently exercised this authority when announcing its intent to reconsider the Clean Water Rule.[14]

A. EPA Should Eliminate Provisions "Clarifying" the Relationship Between Long-Term Strategies and Reasonable Progress Goals.

The Final Rule revises certain regulatory provisions to "clarify the relationship between long-term strategies and reasonable progress goals."[15] These revisions include adding provisions (1) requiring states to select emission control measures for long-term strategies *before* calculating reasonable progress goals;[16] and (2) providing that a state, when developing its long-term strategy and considering the time necessary for compliance, "may not reject a control measure because it cannot be installed or become operational until after the end of the

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[13] 40 C.F.R. Pts. 51-52.

[14] 82 Fed. Reg. 12,532 (Mar. 6, 2017).

[15] 82 Fed. Reg. at 3,078.

[16] *See* 40 C.F.R. § 51.308(f)(2)(i).

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implementation period."[17] These modifications should be eliminated because they undermine the CAA's intent to achieve gradual and steady improvement in visibility in Class I areas over a 60-year period, as well as limit state authority and increase costs for affected sources without any corresponding visibility benefit.

1. The "Clarifications" Improperly Require Assessment of Reasonable Progress Controls *Before* States Set Reasonable Progress Goals.

EPA's "clarification" turns the statutory scheme on its head by requiring states to identify reasonable progress controls to be included in long-term strategies before they establish their reasonable progress goals, contradicting both the CAA and the Agency's own regulations. The CAA requires states to set reasonable progress goals by considering four factors: (1) the costs of compliance; (2) the time necessary for compliance; (3) the energy and nonair quality environmental impacts of compliance; and (4) the remaining useful life of any existing source subject to such requirements.[18] The Act then permits states to impose emission reduction requirements in their long term strategies *only* to the extent *necessary* to achieve reasonable progress.[19] Accordingly, Congress directed that states *first* set reasonable progress goals (considering the four statutory factors) and *second*, develop long-term strategies to achieve the reasonable progress goals. As EPA itself has explained, a state's long-term strategy is inextricably linked to the reasonable progress goals because the long-term strategy "must include enforceable emission limitations, compliance schedules, and other measures *as necessary to achieve the reasonable progress goals*…."[20]

The Final Rule effectively reverses this process, violating the statutory mandate that reasonable progress controls be imposed *as necessary* to meet reasonable progress goals. First, when developing long-term strategies, the Final Rule requires states to "evaluate and determine the emission reduction measures that are necessary to make reasonable progress by considering the costs of compliance, the time necessary for compliance, the energy and non-air quality environmental impacts of compliance, and the remaining useful life of any potentially affected anthropogenic source of visibility impairment."[21] Second, the Final Rule requires states to establish reasonable progress goals that reflect the visibility conditions projected to be achieved by the end of the applicable implementation period as a result of the emission reductions measures identified in the first step.[22] Taken together, these new provisions require states to identify reasonable progress controls to include in their long-term strategies *before* establishing their reasonable progress goals.

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[17] 82 Fed. Reg. at 3,089; *see also* 40 C.F.R. § 51.308(f)(2)(i).

[18] 42 U.S.C. § 7491(g)(1).

[19] *See* 42 U.S.C. § 7491(b)(2) (long term strategies must "contain such emission limits ... *as may be necessary* to make reasonable progress") (emphasis added).

[20] *See* 82 Fed. Reg. at 3,084 (quoting 40 C.F.R. § 51.308(d)(3)) (emphasis added).

[21] 40 C.F.R. § 51.308(f)(2)(i).

[22] *Id.* § 51.308(f)(3)(i).

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Not only does this change in sequencing violate the CAA, EPA's new approach leads to the absurd result that states may be required to impose emission control requirements that *are not necessary* to make reasonable progress toward the national visibility goal. In other words, states may be forced to require controls where actual visibility in the Class I area already is better than the reasonable progress goals that would be established based on an evaluation of the four statutory factors. This is the case in Arkansas and Texas, where EPA applied this new sequencing in Federal Implementation Plans ("FIPs") for those states. In both cases, EPA imposed burdensome and expensive emission control requirements in long-term strategies even though visibility in both states already has surpassed EPA's final reasonable progress goals for the first planning period.[23] The outcome in Arkansas is particularly arbitrary, as the Class I areas in that state already have surpassed the uniform rate of progress ("URP"), or glidepath, for the planning period.[24]

This is a plainly arbitrary outcome that far exceeds what the CAA envisions. Under the Act, a state may impose emission reduction requirements only to the extent *necessary* to achieve reasonable progress towards natural visibility levels.[25] But EPA's new approach requires individual source controls without assessing whether those controls are necessary to address visibility impairment. If an evaluation of the four statutory factors identifies control measures, the Final Rule *requires* that states establish reasonable progress goals based on the imposition of such control measures, regardless of whether the controls result in reasonable visibility improvements in a Class I area. As a result, because the reasonable progress goal assumes the installation of these control measures, states are effectively required to mandate that individual sources impose these controls.

The practical effect of this approach will give undue weight to the cost of compliance factor. In recent Regional Haze FIPs, which applied EPA's new interpretation even before EPA codified it in the Final Rule, EPA deemed a control to be "reasonable" for a state's long-term strategy if it is cost-effective. For example, in the Arkansas Regional Haze FIP, EPA required controls on Entergy's Independence Plant in part because EPA concluded that imposing controls on the plant would be cost-effective.[26] EPA gave no consideration to whether the controls and resulting emissions reductions would improve visibility in any Class I area and, in fact, recognized that controls would not be necessary for Arkansas Class I areas to meet their URPs.[27] This is problematic because it does not consider the costs in relation to visibility improvement,

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[23] *See* Brief of Entergy, et al. at 34-35, *Arkansas v. EPA*, No. 16-4270 (8th Cir. Feb. 17, 2017); Brief of State of Arkansas at 34-38, *Arkansas v. EPA*, No. 16-4270 (8th Cir. Feb. 17, 2017); *Texas v. EPA*, 829 F.3d 405, 427 (5th Cir. 2016).

[24] *See* Brief of Entergy, et al. at 34-35, *Arkansas v. EPA*, No. 16-4270 (8th Cir. Feb. 17, 2017); Brief of State of Arkansas at 34-38, *Arkansas v. EPA*, No. 16-4270 (8th Cir. Feb. 17, 2017).

[25] *See* 42 U.S.C. § 7491(b)(2) (implementation plans must "contain such emission limits . . . as may be *necessary* to make reasonable progress") (emphasis added).

[26] *See* 80 Fed. Reg. 18,944, 18,991–92 (Apr. 8, 2015).

[27] *See* 80 Fed. Reg. at 18,992.

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or lack thereof. Controls, regardless of their cost-effectiveness, should be required only when they are *necessary* for a state to achieve reasonable progress toward the national visibility goal.

Implementation of the new approach also will illegally proscribe states' authority in setting their reasonable progress goals and developing their long-term strategies. In effect, the Final Rule requires EPA to reject SIPs if the state determines that controls are unnecessary because they would achieve only minute visibility improvements. It also requires EPA to reject SIPs if the state decides not to evaluate any sources for reasonable progress controls because its Class I areas already are meeting or exceeding the URP; instead, states will be forced to select specific sources for evaluation of emission controls. Because such determinations are within the states' purview pursuant to the CAA, the Final Rule unlawfully takes authority away from the states and gives it to EPA. Such arrogation of authority violates the cooperative federalism principles underlying the CAA.[28] The Act limits EPA to a deferential role, under which the Agency must defer to states' determination of their reasonable progress goals so long as they comply with the Act.[29]

2. The "Clarifications" Improperly Sever the Link Between Reasonable Progress Controls and Planning Periods.

The Final Rule severs the link between reasonable progress controls in a state's long-term strategy and the 10-year planning periods on which the Regional Haze Program is based. States' authority to consider planning periods when developing long-term strategies under the Final Rule is explicitly constrained. Specifically, the Final Rule modifies the Regional Haze regulations to explicitly provide that if a state, in selecting control measures for a long-term strategy, "concludes that a control measure cannot reasonably be installed and become operational until after the end of the implementation period, the State may not consider this fact in determining whether the measure is necessary to make reasonable progress."[30] This revision means that states are required to impose reasonable progress controls without any nexus to an implementation period—that is, regardless of whether or not the control will help meet reasonable progress goals during the relevant 10-year planning period.

This directly conflicts with both the statute and the regulatory requirements in § 51.308. First, the Regional Haze regulations still require states to consider the relevant planning period when setting reasonable progress goals: when setting goals, states must consider "the [URP] and

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[28] *See* 42 U.S.C. § 7401(a)(3); § 7407(a).

[29] *Texas v. EPA*, 829 F.3d 405, 428 (5th Cir. 2016) (citing 42 U.S.C. § 7410(k)(3) (EPA "shall approve" a state implementation plan that satisfies the requirements of the Act)); *Luminant Generation Co. v. EPA*, 675 F.3d 917, 921 (5th Cir. 2012) ("With regard to implementation, the Act confines the EPA to the ministerial function of reviewing SIPs for consistency with the Act's requirements"); *Michigan v. EPA*, 268 F.3d 1075, 1083 (D.C. Cir. 2001) ("[T]he Act intended to create an overarching federal role in air pollution control policy,…but that overarching role is in setting standards, not in implementation.").

[30] 40 C.F.R. § 51.308(f)(2)(i); *see also* 82 Fed. Reg. at 3,089 (a state "may not reject a control measure because it cannot be installed or become operational *until after the end of the implementation period*.") (emphasis added).

the emission reduction measures needed to achieve it *for the period covered by the implementation plan*."[31] Second, § 51.308(d)(3) mandates that long-term strategies include measures "as necessary to achieve the reasonable progress goals."[32] The regulatory text further specifies that reasonable progress goals must consider the emission reduction measures needed to achieve the uniform rate of progress "for the period covered by the implementation plan."[33] Even in the Final Rule, EPA itself emphasized that the reasonable progress goals do not include emission reductions that would occur only *after* the end of the relevant planning period.[34] It is simply illogical, then, that a control measure that could not be implemented until after the planning period would nonetheless be deemed necessary to achieve reasonable progress for that same period.

EPA should not require states to evaluate and impose control measures that are completely divorced from the planning period at issue. This undermines the purpose of the 10-year planning period. Planning periods are mandated by the statute,[35] and indicate Congress's intent to establish a program that takes a gradual approach toward the national goal of eliminating visibility impairment. EPA itself observed this when first promulgating the Regional Haze Rule, providing the states with 60 years to reach natural visibility conditions at Class I areas because, in the long term, facilities built in the latter part of the 20th century will retire and/or be replaced by more fuel-efficient facilities, and innovations in emissions control technologies and renewable energy will allow new plants to meet lower emissions rates.[36] EPA also has explained that states "should take into account the fact that the long-term goal of no manmade impairment encompasses several planning periods. It is reasonable for [the state] to defer reductions to later planning periods in order to maintain a consistent glidepath toward the long-term goal."[37]

EPA's approach in the Final Rule contradicts this statutory and regulatory scheme and will force states to mandate emissions controls even if it would be reasonable to defer them to later planning periods.. It also imposes unnecessary costs on regulated sources, which may be required to install costly new control measures without any corresponding benefit in visibility improvement that would help achieve reasonable progress during the relevant planning period.

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[31] 40 C.F.R. § 51.308(d)(1)(i)(B) (emphasis added). This requirement existed in the prior version of the regulation. *See* 40 C.F.R. § 51.308(d)(1)(i)(B) (2012). The Final Rule did not modify this requirement. *See* 40 C.F.R. § 51.308(d)(1)(i)(B) (2017); *see also* 82 Fed. Reg. at 3,089.

[32] 40 C.F.R. § 51.308(d)(3).

[33] 40 C.F.R. § 51.308(d)(1)(i)(B).

[34] 82 Fed. Reg. at 3,089 ("Of course, any emission reductions that will not occur until after the end of the implementation period should not be reflected in the [reasonable progress goals].").

[35] 42 U.S.C. § 7491(b)(2)(B).

[36] 64 Fed. Reg. at 35,732.

[37] Reasonable Progress Guidance at 1-4.

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B. EPA Should Eliminate the RAVI Program, Which Is Unnecessary and Impedes State Authority.

EPA should eliminate the outdated RAVI program from the Regional Haze regulations because it serves no purpose in light of the subsequent implementation of the Regional Haze Program and because it unlawfully intrudes upon states' authority under the CAA. In the Final Rule, EPA not only retained the RAVI program but expanded the program's scope to (1) include all states for the first time;[38] (2) allow federal land managers ("FLMs") to certify RAVI in states where the source or sources are located, even if that state does not contain the Class I area where the visibility impairment occurred;[39] and (3) cover both BART-eligible and non-BART-eligible sources.[40] The Final Rule also alters the federal-state relationship by (1) giving FLMs authority to identify (as opposed to suggest) the source or small group of sources responsible for RAVI, thereby triggering mandatory requirements for the state, including the requirement to submit a SIP revision;[41] and (2) revising the definition of "reasonably attributable" to "make clear that a state does not have complete discretion to determine what techniques are appropriate for attributing visibility impairment to specific sources."[42]

As noted above, EPA took a two-phased approach in establishing the Regional Haze Program. In the first phase, EPA established the RAVI program to address impairment of visibility in Class I areas that was "reasonably attributable" to a specific source or smaller group of sources.[43] The RAVI regulations sought to address "plume blight," which is "smoke, dust, colored gas plumes, or layered haze emitted from stacks which obscure the sky or horizon and are relatable to a single source or a small group of sources."[44] EPA "explicitly deferred action on regional haze," defined as "visibility-impairing pollution that is caused by the emission of air pollutants *from numerous sources located over a wide geographic area*."[45] In the second phase, EPA addressed regional haze in Class I areas through a regional planning approach with the promulgation of the Regional Haze Rule. This second phase targets visibility impairment that is not reasonably attributable to a single source or small, defined group of sources, but instead is

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[38] 82 Fed. Reg. at 3,112; 40 C.F.R. § 51.300.

[39] *See* 40 C.F.R. § 51.302.

[40] *See* 82 Fed. Reg. at 3,112-13; *see also* 40 C.F.R. § 51.302(a)-(c). Under the revised RAVI program, a state must revise its Regional Haze SIP to include a reasonable progress control determination for a particular source or small group of sources upon receipt of a RAVI certification of impairment, regardless of whether or not the source is BART-eligible. *See* 40 C.F.R. § 51.302(b).

[41] *See* 40 C.F.R. § 51.302(a)-(c).

[42] 82 Fed. Reg. at 3,112; 40 C.F.R. § 51.301.

[43] *See* RAVI Regulation, 45 Fed. Reg. 80,084, 80,085–86 (Dec. 2, 1980); 40 C.F.R. § 51.300–307.

[44] RAVI Regulation, 45 Fed. Reg. at 80,085.

[45] U.S. EPA, Draft Guidance on Progress Tracking Metrics, Long-term Strategies, Reasonable Progress Goals and Other Requirements for Regional Haze State Implementation Plans for the Second Implementation Period, at 5–6 (July 2016) (emphasis added) Docket No. EPA-HQ-OAR-2016-0289-0020.

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produced by emissions from a wide array of sources over a broad geographic area. This expanded the scope of visibility improvement requirements to many more sources.

The Regional Haze Program has, by design, subsumed the RAVI program and rendered it unnecessary. RAVI was designed as a placeholder until techniques for assessing regional haze, particularly from multiple sources, improved sufficiently for EPA to establish a comprehensive program. EPA established this comprehensive program in the 1999 Regional Haze Rule which "fulfill[ed] EPA's responsibility under section 169A, pending since 1980, to put in place a national regulatory program that addresses *both* reasonably attributable *and* regional haze visibility impairment."[46] Specifically, the evaluation of sources for reasonable progress controls under the Regional Haze Program will capture sources that otherwise might be targeted by RAVI.

Instead of eliminating the RAVI program in recognition of the fact that it is unnecessary in light of the Regional Haze Program, the Final Rule expands the RAVI program beyond its original intent, thereby increasing its redundancy with the Regional Haze Program. *First*, EPA's assertion that RAVI is applicable to any source, even if it is not BART-eligible,[47] goes against EPA's own regulations and guidance, which state that RAVI is focused on BART-eligible sources.[48] The Final Rule also suggests that an FLM certification of RAVI would reopen the BART determination process for sources that already were eliminated from BART requirements because their emissions were not determined to be causing or contributing to visibility impairment in any Class I area. This makes no sense. If a source was deemed not subject to BART because it is not causing or contributing to visibility impairment, the FLM certification would necessarily be for *imperceptible* visibility impairment and not the visibility impairment intended to be addressed by the RAVI program. Further, the reasonable progress analysis under the Regional Haze Program already provides an avenue to address non-BART sources. The new RAVI provisions simply provide a mechanism by which the federal government can supplant state determinations on how to address these sources.

Second, the Final Rule's requirement for FLMs to issue RAVI certifications to states *outside* of the state with the affected Class I area[49] effectively alters the RAVI program from one that addresses *intrastate* haze from a source or small group of sources to one addressing *interstate* haze from regional sources. Rather than streamlining the RAVI and Regional Haze programs, this change increases the overlap between the two programs. It also is unnecessary

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[46] 64 Fed. Reg. at 35,717 (emphasis added).

[47] 82 Fed. Reg. at 3,115.

[48] *See* U.S. EPA, Additional Regional Haze Questions, at 16-17 (Sept. 27, 2006) Docket No. EPA-HQ-OAR-2016-0289-0014; U.S. EPA, Guidelines for Determining Best Available Retrofit Technology for Coal-Fired Power Plants and Other Existing Stationary Facilities, at 3-6, 6 (Nov. 1980) EPA-450/3-80-009b ("Once the impact of the existing stationary facility on visibility is identified as being reasonably attributable to that source, the State must conduct an analysis to determine BART for that particular existing stationary facility.").

[49] *See* 40 C.F.R. § 51.302.

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because the Regional Haze Program already establishes a comprehensive program for addressing haze from sources outside of a state in which an affected Class I area is located.

Third, EPA suggests that RAVI certifications could be based on modeling alone.[50] Modeled visibility impairment is not what the RAVI program was designed to address and makes the RAVI program even more duplicative of the Regional Haze Program. Modeling that simulates an event that might occur is far from the "visual observation" called for in the original definition of "reasonably attributable."[51] It also strays far from the original intent of RAVI to address plume blight. Modeling would not demonstrate any "smoke," "dust," "colored gas plumes," or "layered haze," or whether such events "obscure the sky or horizon."[52] Instead, the use of modeling would make RAVI indistinguishable from how states are directed to determine whether sources are causing or contributing to regional haze.

Finally, the revised RAVI program improperly alters the federal-state relationship. In developing a "cooperative federalism" framework under the CAA, Congress purposely limited the federal government's authority by creating a statute in which "air pollution prevention . . . and air pollution control . . . is the primary responsibility of States and local governments."[53] The Final Rule undermines this intent. For instance, the revisions giving FLMs the authority to identify (as opposed to merely suggest, as under the prior regulation) the source or small group of sources responsible for RAVI shifts discretion and authority from states to FLMs.[54] While FLMs may be able to identify RAVI, they have no particular expertise in identifying which sources are causing RAVI. States are more appropriate authorities for this identification.

EPA should eliminate the RAVI provisions from its regulations. There are no sources evading the Regional Haze Program that warrant retaining the RAVI program as a backstop. It makes no sense to continue to impose RAVI when reasonable progress planning addresses emissions from sources that would have been subject to RAVI and imposes controls for visibility impairment far below what would warrant controls under RAVI. It also is not necessary to preserve the RAVI program to provide FLMs the ability to work with states or EPA to address visibility concerns given that the Regional Haze Program has existing mechanisms for engaging with FLMs in developing implementation plans. In light of this redundancy, the RAVI

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[50] 82 Fed. Reg. at 3,113 (explaining changes to definition of "reasonably attributable" in 40 C.F.R. § 51.301). In the RAVI regulations, EPA made it clear that RAVI certifications were to be based on *observed* visibility impairment (in evaluating FLM certification, the state needs to review the specific documentation of visibility conditions contained in the certification, which "should include information regarding the type of impairment (*i.e.*, coherent plume or layered haze)[,] the location of both the observer and the observed impairment, the meteorological conditions when the impairment was observed, and the time(s) of day or year of occurrence."). 52 Fed. Reg. 7802, 7804 (Mar. 12, 1987).

[51] *See* 40 C.F.R. § 51.301.

[52] *See* RAVI Regulation, 45 Fed. Reg. at 80,085.

[53] 42 U.S.C. § 7401(a)(3); *see also* 42 U.S.C. § 7407(a) ("Each State shall have the primary responsibility for assuring air quality within the entire geographic area comprising such State . . . ."); *see also Texas v. EPA*, 829 F.3d at 411 (EPA's role in reviewing SIPs is "ministerial").

[54] *See* 40 C.F.R. § 51.302(a)-(c).

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program's costs cannot justify its benefits. Further, the obligation for states to develop SIP revisions in response to a RAVI certification could strain states' limited resources.

C. Reconsideration Is Appropriate in Light of Recent Executive Orders.

EPA should grant reconsideration of the Final Rule in light of recent executive orders directing federal agencies to reduce regulatory costs and/or eliminate or modify regulations that impose unnecessary costs or burdens. Specifically, President Trump issued an executive order on January 30, 2017, entitled "*Reducing Regulation and Controlling Costs*,"[55] which sets a "zero sum" cost requirement for new regulations, under which the total incremental cost of all new regulations to be finalized in fiscal year 2017 shall be "no greater than zero," unless otherwise required by law or directed by the White House Office of Management and Budget.[56] The Order requires agencies to offset "any new incremental costs associated with new regulations . . . by the elimination of existing costs associated with at least two prior regulations."[57] President Trump issued another executive order on February 24, 2017, entitled "*Enforcing the Regulatory Reform Agenda*,"[58] that directs agencies to establish Regulatory Reform Task Forces to evaluate existing regulations and recommend any which should be repealed, replaced, or modified, including those that (i) eliminate jobs or inhibit job creation; (ii) are outdated, unnecessary, or ineffective, or (iii) impose costs that exceed benefits.[59]

As discussed in this Petition, certain provisions of the Final Rule impose unnecessary costs and burdens. Specifically, EPA's new interpretation of "reasonable progress" requires states to impose controls on sources, even when such controls are unnecessary to achieve reasonable progress during the planning period covered by the SIP. In states where the URP or reasonable progress goals already have been attained without reasonable progress controls, no additional "benefit" in light of the purposes of the Regional Haze Program can be gained through the imposition of such controls. Additionally, the RAVI program adds redundant and potentially costly requirements to the already comprehensive Regional Haze Program. EPA should eliminate those portions of the Final Rule that impose costs with no benefits and all of the RAVI program provisions to further the Agency's efforts to effectuate these Executive Orders. Repealing these provisions also would assist EPA in complying with the One In, Two Out Order, because eliminating program costs will help the Agency offset new mandatory environmental regulations.

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[55] Exec. Order No. 13,771, 82 Fed. Reg. 9,339 (Jan 30, 2017) ("One In, Two Out Order").

[56] *Id.* at § (2)(b).

[57] *Id.* at § (2)(c).

[58] Exec. Order No. 13,777, 82 Fed. Reg. 12,285 (Feb. 24, 2017) ("Regulatory Reform Task Force Order").

[59] *Id.* at § (3)(d).

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III. CONCLUSION

For the reasons discussed above, Petitioners urge EPA to reconsider certain provisions of the Final Rule.

Dated: March 13, 2017

Respectfully submitted,

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Message

From: Clint Woods [cwoods@csg.org]
Sent: 4/17/2017 12:58:09 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Brown, Byron [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9242d85c7df343d287659f840d730e65-Brown, Byro]; Dravis, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ece53f0610054e669d9dffe0b3a842df-Dravis, Sam]; Bolen, Brittany [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=31e872a691114372b5a6a88482a66e48-Bolen, Brit]; Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]; sean.alteri@ky.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f999b3b9716c4924b5cbb9c4cdf645d0-sean.alteri@ky.gov]
Subject: Release of The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control
Attachments: GreatestStory4-17-17.pdf; Cover Letter - Administrator Pruitt - Greatest Story Report - 4-17-17.pdf

Administrator Pruitt,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), I am happy to share with you a copy of a new report, *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*. You can find a copy of the report attached as well as on the AAPCA website, and the enclosed cover letter summarizes a few of the key findings. In short, through the Clean Air Act's framework of cooperative federalism, hard-working state and local air quality agencies have made tremendous progress in virtually every measure of air pollution control. The states agencies serving on the AAPCA Board of Directors have frequently outperformed national averages in a variety of these measures and the U.S. has exceeded international trends in air quality.

Thank you for the attention to this report, as well as your consideration of the invitation to serve as the keynote speaker at our Association's Fall Business Meeting (September 20 – 22 in Raleigh, North Carolina). AAPCA and its members look forward to working with you and your staff to continue these successes.

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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES
2017 FALL BUSINESS MEETING
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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

April 17, 2017

Administrator Scott Pruitt
U.S. Environmental Protection Agency (EPA)
William Jefferson Clinton Building
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Subject: *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*

Dear Administrator Pruitt:

The Association of Air Pollution Control Agencies (AAPCA)[1] appreciates the opportunity to share with you a copy of a new report, *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*, released ahead of Earth Day and Air Quality Awareness Week (May 1 – 5). Through the Clean Air Act's framework of cooperative federalism, hard-working state and local air quality agencies have made tremendous progress in virtually every measure of air pollution control. This publication attempts to catalogue these trends through publicly available data from U.S. EPA and other agencies, and includes key metrics from concentrations of criteria pollutants like ground-level ozone and air releases of toxic chemicals to compliance/enforcement activity and operating permit renewals.

Where data sets allow state-to-state comparisons, the report highlights critical areas where the twenty states that serve on the AAPCA Board of Directors have provided leadership. These states, with primary responsibility for air quality in parts of the country growing in population and economic activity, frequently outperformed national averages in a variety of these measures. For example, AAPCA Member States lead the country in permitting and compliance efficiency, and have overseen dramatic improvements under increasingly stringent ambient air quality standards. They have surpassed national trends in reducing nitrogen oxide (NO_x) emissions and carbon intensity. In recent years, reduced emissions of air toxics as well as electricity sector sulfur dioxide and NO_x in these states represent roughly two-thirds of the overall progress in the U.S.. Similarly, the U.S. has far exceeded international trends in air quality, with some of the lowest levels of average annual fine particulate matter and the largest reduction in carbon dioxide emissions in the world over the last decade.

Thank you for the attention to this report. AAPCA and its members look forward to working with you and your staff to continue these successes. If you have any questions, please contact cwoods@csg.org or (859) 244-8040.

Sincerely,

Sean Alteri
Director, Kentucky Division for Air Quality
President, AAPCA

Clinton J. Woods
Executive Director, AAPCA

[1] AAPCA is a national, non-profit, consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on the AAPCA Board of Directors. AAPCA is housed in Lexington, Kentucky as an affiliate of The Council of State Governments. You can find more information about AAPCA at: http://www.cleanairact.org.

AAPCA

The Greatest Story Seldom Told

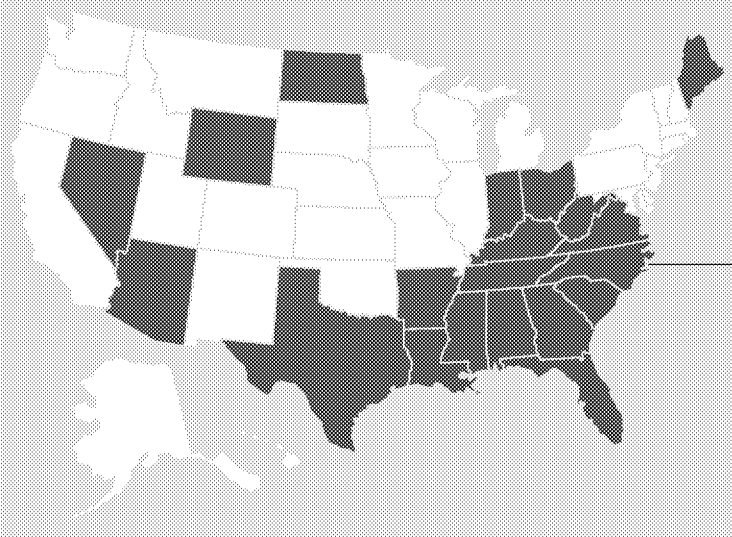
Profiles and Success Stories in Air Pollution Control

Association of Air Pollution Control Agencies

April 2017

The Association of Air Pollution Control Agencies (AAPCA) is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. AAPCA members work collaboratively on behalf of states and the communities they protect to act as a conduit for and provide feedback to federal regulators on air quality rules that have significant impacts across the entire nation. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on the AAPCA Board of Directors. AAPCA is housed in Lexington, Kentucky as an affiliated association of the Council of State Governments (CSG). More information about AAPCA may be found by visiting **http://www.cleanairact.org.**

State Environmental Agencies Currently Represented on the AAPCA Board of Directors



Alabama	**Nevada**
Arizona	**North Carolina**
Arkansas	**North Dakota**
Florida	**Ohio**
Georgia	**South Carolina**
Indiana	**Tennessee**
Kentucky	**Texas**
Louisiana	**Virginia**
Maine	**West Virginia**
Mississippi	**Wyoming**

Footprint of AAPCA State Members

State members of the AAPCA Board of Directors have primary responsibility for air quality for a significant portion of the country, as reflected in the following statistics:

- An estimated 141 million Americans, nearly 45 percent of the **total U.S. population**;
- An **average population growth** from 2000 to 2016 of above 17.5 percent, compared to national population growth of approximately 15 percent;
- 40 percent of **U.S. Gross Domestic Product**;
- More than 45 percent of **U.S. Total Manufacturing Output** and over five million manufacturing jobs;
- 60 percent of **total energy production** in the United States, including:
  - 55 percent of total **net electricity generation**;
  - 77 percent of **coal production**;
  - 65 percent of **crude oil production**; and,
  - 57 percent of natural **gas production;**
- More than 60 percent of **U.S. operable petroleum refining capacity**;
- More than 47 percent of **Highway Vehicle-Miles Traveled**;
- Seven of the top ten states for **number of establishments related to automotive production**, and more than 45 percent of direct U.S. automotive manufacturing jobs; and,
- A majority of these states have **adult asthma prevalence rates** below the national average, including six of the ten lowest state rates in the country.

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Foreword

Dear Readers,

How many of us remember a time when cities in the United States were more famous for their smog than their tourist attractions? When clear blue skies were rare and special events? Air quality has improved dramatically since those days of yesteryear, and ambient air monitoring data continues to reveal the downward trend of air pollutants. It is, perhaps, the greatest story seldom told, and one that is certainly worth telling.

As the current president for the Association of Air Pollution Control Agencies, I am fortunate to work closely with the many dedicated environmental professionals who lead our members' state and local air quality control agencies. Our Association provides numerous opportunities to share ideas, debate technical considerations, and find solutions to improve our air quality. Through efficient air quality management practices, AAPCA Member States lead the way in reductions of nitrogen oxides, sulfur dioxide, ozone, and particulate matter, while maintaining robust and growing economies.

In this report, you will find information that details the remarkable air quality improvements in AAPCA Member States and the entire United States over the last several decades. To illustrate:

- As of 2015, combined emissions of the six criteria air pollutants for which there are national ambient air quality standards were down 71 percent since 1970.
- From 2005 to 2015, reported toxic air releases were down 56 percent, or more than 851 million pounds, and AAPCA Member States accounted for nearly two-thirds of the total reduction.
- In 2016, states performed full compliance evaluations for more than 14,500 facilities, 80 times the number conducted by U.S. EPA – and from 2010 to 2014, AAPCA Member States performed full compliance evaluations at nearly 47 percent of facilities annually, well ahead of the national average.
- According to U.S. EPA, AAPCA Member States in 2016 were more efficient in permitting, with only a 15 percent backlog for renewing Title V permits among states with more than 100 Title V sources.
- From 2000 to 2015, emissions of nitrogen oxide in AAPCA Member States fell more rapidly than the national average.
- Between 1990 and 2014, AAPCA Member States reduced sulfur dioxide emissions in the power sector by more than 8 million tons.
- From 2000 to 2014, per capita energy-related carbon dioxide emissions were down 18.1 percent on average nationally, with AAPCA Member States averaging a 19.3 percent reduction.

These improvements benefit us all. To achieve these air quality improvements and emissions reductions, significant capital investment in emissions controls were required at coal-fired power plants and other stationary sources.

Although there is more work to continue, please take a moment to read of our achievements in improving air quality, human health, and the environment. It is a story certainly worth telling, and perhaps "The Greatest Story Seldom Told."

Sean Alteri
Director, Kentucky Division for Air Quality
President, AAPCA

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Introduction: Storytelling, Public Perception, and Air Quality in the United States

Through the Clean Air Act's framework of cooperative federalism, hard-working state and local air agencies have been responsible for tremendous progress in virtually every measure of air quality. This report attempts to catalogue these trends through publicly available data from agencies like the U.S. Environmental Protection Agency (EPA) and includes key metrics from concentrations of criteria pollutants like ground-level ozone and particulate matter and air releases of toxic chemicals to compliance/enforcement activity and operating permit renewals.

Where apples-to-apples data exist, the report also highlights critical areas where the 20 states who serve on the AAPCA Board of Directors have provided leadership. These states, which have primary responsibility for air quality in parts of the country growing in population and economic activity, have frequently outperformed the national average in a variety of these measures. Similarly, the United States has exceeded international progress in air quality.

Recent public opinion suggests that these trends, despite being supported by active public participation and market forces, have gone under the radar for most Americans. With media more likely to report bad news combined with often apocalyptic framing by advocates and limited understanding of technical air quality information, it is no wonder that the public is often confused about air quality in their city, county, state, and nation. Below are a few key disconnects in public perception which present opportunities for expert air agencies:

- In recent years, Americans are more likely to view the environment as getting worse and express that they worry a great deal about air pollution and the environment in general. However, approximately equal numbers of those polled rate the overall quality of the environment as good or excellent as poor or only fair.
- Despite tremendous strides in all measures of air quality since 2000, trends in national and international surveys show that there has been little movement in American public perception about air quality.
- While surveys of national environmental trends show a significant portion of Americans expressing dissatisfaction and personal concern about air pollution, surveys that ask about air quality in respondents' local area show high levels of satisfaction, with most states above 85 percent.
- Majorities of Americans routinely support the U.S. government doing more in terms of protecting the environment and more strongly enforcing environmental laws, yet questions about the intensity of these policy preferences often show other priorities as more important or pressing.
- Americans express mixed messages about which level of government should have the most say in air quality regulation, as well as about which institutions they trust on environmental matters.

State and local air agencies are uniquely situated to help bridge these gaps because of their experience in the community, proximity to the affected public, qualified personnel, and ability to interpret up-to-date air quality information. In a world of social media as well as the advancement of so-called "Big Data" and highly localized measurement technologies including low-cost personal air sensors,[1] it is more important than ever for state and local air agencies to develop proactive, credible avenues to communicate with the public about air quality.

Beyond data measuring "micrograms per cubic meter" or "parts per billion," air agencies need to be poised to highlight case studies, community involvement, and localized benefits. A 2004 study examining localized patterns of air quality perception in Texas, published in *Risk Analysis*, found that public views are not driven by actual air quality conditions but that "other factors such as sense of place, neighborhood setting, source of pollution, and socioeconomic characteristics appear to shape perceptions." The researchers suggest that "[p]olicymakers thus cannot rely on scientific data alone to drive a public decision-making process, but also must consider location-based factors, the specific make-up of the population, and the venues through which this population receives information on environmental conditions."[2]

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Contained below is additional information on these five major disconnects between air quality trends and public attitudes. All surveys and polls should be taken with a grain of salt, as public perceptions about the environment are often shaped by the latest political and media developments. Unless otherwise noted, the information below comes from Gallup's annual Environment survey, most recently conducted March 1-5, 2017. These surveys represent an indispensable resource for evaluating national environmental trends, with several common questions being asked of Americans for 15 years or more.[3]

Getting Better All the Time?

In March 2017, 47 percent of Americans asked by Gallup said they personally worry a great deal about air pollution and 31 percent worry "a fair amount." As illustrated in the accompanying chart, this is the largest figure worrying a great deal about air pollution since 2001. 47 percent also said they personally worry a great deal about the quality of the environment in general.

Date	Great deal	Fair Amount	Only a little	Not at all	No opinion
2017 Mar 1-5	47	31	15	7	--
2016 Mar 2-6	43	31	19	7	--
2015 Mar 5-8	38	33	19	10	*
2014 Mar 6-9	46	27	21	7	-
2013 Mar 7-10	40	30	20	9	-
2012 Mar 8-11	36	35	22	7	*
2011 Mar 3-6	36	36	20	8	*
2010 Mar 4-7	38	32	22	8	*
2009 Mar 5-8	45	31	18	6	*
2008 Mar 6-9	43	35	17	6	-
2007 Mar 11-14	46	33	15	5	*
2006 Mar 13-16	44	34	15	7	*
2004 Mar 8-11	39	30	23	8	*
2003 Mar 3-5	42	32	20	6	*
2002 Mar 4-7	45	33	18	4	*
2001 Mar 5-7	48	34	14	4	*
2000 Apr 3-9	59	29	9	3	*
1999 Apr 13-14	52	35	10	3	*
1999 Mar 12-14	47	33	16	4	*
1997 Oct 27-28	42	34	18	5	1
1991 Apr 11-14	59	28	10	4	*
1990 Apr 5-8	58	29	9	4	*
1989 May 4-7	63	24	8	4	*

Question: how much do you personally worry about air pollution?
Asterisk* indicates less than 0.5 percent

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Similarly, 58 percent said in March 2017 that the quality of the environment in the country as a whole is getting worse. Since 2001, this belief that things are getting worse has never dropped below 48 percent and the number of Americans who say the environment is getting better has never exceeded 42 percent. While Americans are more likely to express the view that the environment is getting worse and they personally worry about air pollution and the environment, since 2001, roughly the same number of those polled have characterized the overall quality of the environment today as "Good" (ranging from 34 percent to 43 percent) or "Only fair" (from 40 to 49 percent), with smaller portions judging it "Excellent" (4 to 7 percent) or "Poor" (6 to 16 percent).

Never the Twain Shall Meet?

Between the early 2000s and today, in which one-third and one-half of those polled by Gallup consistently said they worried a great deal about air pollution, aggregate emissions from six common pollutants fell by more than 60 percent,[4] air releases of toxic chemicals dropped more than half,[5] and the carbon intensity of the economy went down by more than 25 percent.[6]

Similar inconsistencies show up in world opinion surveys. The United States and the Americas as a region rank in the middle of the pack for satisfaction with air quality where respondents live, with satisfaction rates globally at 78 percent according to Gallup surveys in 2012.[7] In 2015, average annual population-weighted fine particulate matter in the United States was less than one-fifth the global mean (8 micrograms per cubic meter compared to 44 globally). The U.S. ranks behind countries like Bangladesh and Nepal in air quality satisfaction despite average fine particulate matter levels roughly 90 percent lower than these countries.[8] Between 2006 and 2013, the U.S. experienced the largest drop in carbon dioxide emissions in the world, roughly 500 million tons over that period.[9]

Like Politics, All Air is Local

In 2017, Americans were divided on the question of satisfaction regarding the quality of the environment in the nation with 13 percent answering "very satisfied," 39 percent "somewhat satisfied," 28 percent "somewhat dissatisfied," 16 percent "very dissatisfied," and 4 percent with no opinion.

However, a Gallup 50-state poll conducted between June and December 2013 found that "the majority of residents of every state are satisfied with the air quality where they live." Median satisfaction for AAPCA Member States was nearly 90 percent, and greater than 85 percent of those polled across more than 40 states said they are satisfied with the quality of air in the city or area where they live.[10] A June 2015 poll conducted for the National Association of Manufacturers found 67 percent of respondents would rate the air quality in their local area as excellent (21 percent) or good (46 percent).[11]

Policy Preferences & Intensity

In 2017, 59 percent of those polled by Gallup said the U.S. government is doing too little in terms of protecting the environment (the highest number since 2000). 69 percent were also generally in favor of "more strongly enforcing federal environmental regulations" in this year's survey. Despite these sentiments, Americans rarely identify the environment or pollution as the most important problem facing the country, and national[12] as well as individual state[13] surveys have shown Americans identifying other non-air environmental problems as a higher priority.

Mixed Messages about Messengers

Americans have expressed divergent opinions regarding which governmental and non-governmental institutions they trust on environmental issues. A June 2015 survey conducted for the National Association of Manufacturers asked "Who do you think should have more of a say when it comes to air quality regulations in your local area?" 46 percent of respondents said their local elected officials, 29 percent said their state elected officials, and 18 percent said the federal government.[14]

In 2000 and 2005, Gallup asked participants about the degree to which they trust various institutions to "protect the quality of our nation's environment" – a great deal, a moderate amount, a slight amount, or not at all. While this represents a smaller set of older responses, the answers suggest an opportunity for state and local agencies to

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establish (or re-establish) their credibility as brokers of high quality information. A majority of respondents said they trusted the following institutions a great deal or moderate amount: federal environmental agencies like the EPA; state environmental agencies; national environmental organizations; local environmental agencies; and, local government agencies. However, the intensity of this trust varied by institutions. Below are the percentages of respondents saying they trusted the institutions a great deal:

Institution	Percent trust "a great deal" (2005 Mar 7-10 results)	Percent trust "a great deal (2000 Apr 3-9 results)
Federal environmental agencies like the EPA	22 percent	27 percent
State environmental agencies	16 percent	21 percent
National environmental organizations	25 percent	34 percent
Local environmental organizations	26 percent	28 percent
Local government agencies	11 percent	12 percent

This information on air pollution and public perception suggests an opening for expert state and local air agencies. *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control* may be able to help complement these agency stories. The mission is not accomplished, and, with stable, adequate resources and a collaborative effort to prioritize environmental concerns, these agencies are poised to continue this remarkable progress.

[1] AAPCA, ***Preparing for Personal Air Sensors: Definition, Opportunities, and Data Limitations***, 2016
[2] Samuel D. Brody, B. Mitchell Peck, and Wesley E. Highfield, "**Examining Localized Patterns of Air Quality Perception in Texas: A Spatial and Statistical Analysis**," *Risk Analysis*, Vol. 24, No. 6, 2004.
[3] Gallup, "**Environment**," 2017.
[4] U.S EPA, "***2015 Toxic Release Inventory Analysis***," January 2017.
[5] U.S. EPA, "**2015 Toxic Release Inventory National Analysis: Executive Summary**," January 2017.
[6] U.S. Energy Information Administration (EIA), ***Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014***, January 17, 2017.
[7] Gallup, "**Nearly Four in Five Satisfied With Quality of Air Worldwide**," November 22, 2013; see also: Gallup, "**More Than 1 Billion Worldwide Critical of Air Quality**," April 22, 2010.
[8] Health Effects Institute and the Institute for Health Metrics and Evaluation, ***State of Global Air/2017***.
[9] U.S. Department of Energy, "**Watch Our CO2 Drop**," January 2016 (Data from IEA).
[10] Gallup, "**Satisfaction With Air Quality, by State**," June 5, 2014; See also: Gallup, "**North Dakota: Legendary Among States**," August 25, 2014.
[11] National Association of Manufacturers, "**VOTERS POLLED ON AIR QUALITY**," June 2015.
[12] Gallup, "**Most Important Problem**," 2017; See also: Gallup, "**In US, Water Pollution Worries Highest Since 2001**," March 31, 2017.
[13] **http://www.ppic.org/content/pubs/survey/S_715MBS.pdf**.
[14] National Association of Manufacturers, "**VOTERS POLLED ON AIR QUALITY**." June 2015.

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Types of Air Quality Data and Metrics

Trends and indicators of air quality can be measured in a variety of ways, but an important group of data to analyze is that of the air pollutants that are regulated under the Clean Air Act (CAA). The Clean Air Act directs the EPA to establish national ambient air quality standards (NAAQS) for air pollutants, the "attainment and maintenance of which in the judgment of the Administrator, based on such criteria and allowing an adequate margin of safety, are requisite to protect the public health."[1] NAAQS have been set for six "criteria" pollutants: carbon monoxide (CO), sulfur dioxide (SO_2), ground-level ozone (O_3), fine particulate matter ($PM_{2.5}$), lead (Pb), and nitrogen dioxide (NO_2).[2]

Section 109 of the Clean Air Act requires EPA to establish both primary and secondary NAAQS. Primary NAAQS are "standards the attainment and maintenance of which ... are requisite to protect the public health," while secondary NAAQS "specify a level of air quality the attainment and maintenance of which ... is requisite to protect the public welfare from any known or anticipated adverse effects associated with the presence of such air pollutant in the ambient air."[3] U.S. EPA and the Clean Air Scientific Advisory Committee review the adequacy of the NAAQS according to the statute. Individual NAAQS may have a different form (for example, annual fourth-highest daily maximum 8-hour concentration average over three years, for ozone), level (often measured in parts per billion or micrograms per cubic meter), and averaging time (from one hour up to one year).

Nationally, ambient air pollution data from thousands of monitors across the United States are collected by U.S. EPA, state, local, and tribal air pollution control agencies and provided to the Air Quality System. These data are used to "assess air quality, assist in Attainment/Non-Attainment designations, evaluate State Implementation Plans for Non-Attainment Areas, perform modeling for permit review analysis, and other air quality management functions. [Air Quality System] information is also used to prepare reports for Congress as mandated by the Clean Air Act."[4]

U.S. EPA reports on long-term air quality trends by preparing data analyses that show the overall trend lines for pollutant concentrations and emissions. This report relies on a number of sources when looking at air quality and pollutant trends:

- For criteria air pollutant concentrations in ambient air, data are pulled from EPA's analysis of the Air Quality System that looks at long-term trends in air quality;[5]
- Data showing emissions trends of the criteria pollutants is pulled from U.S. EPA's Air Pollutant Emissions Trends Data,[6] which includes "all criteria pollutants National Tier 1" and relies on the National Emissions Inventory. The National Emissions Inventory is "a comprehensive and detailed estimate of air emissions of criteria pollutants, criteria precursors, and hazardous air pollutants from air emissions sources ... released every three years based primarily upon data provided [to the Emissions Inventory System] by State, Local, and Tribal air agencies for sources in their jurisdictions and supplemented by data developed by the US EPA."[7]
- Design values, which U.S. EPA defines as "a statistic that describes the air quality status of a given location relative to the level of the NAAQS ... typically used to designate and classify nonattainment areas, as well as to assess progress towards meeting the NAAQS."[8]

This report also includes data for hazardous air pollutants, visibility progress in national parks, and greenhouse gases. For hazardous air pollutants, the Toxic Release Inventory[9] provides a consistent trend over time that is shown here in conjunctions with air toxics analysis from U.S. EPA's 2014 *Report on the Environment*.[10] Greenhouse gas data is pulled primarily from U.S. EPA's *Inventory of U.S. Greenhouse Gas Emissions and Sinks*[11] and the U.S. Energy Information Administration's (EIA) report *Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014*.[12]

[1] 42 U.S.C. §7409(b)(1).
[2] A chart of the primary and secondary NAAQS by pollutant can be found **here**.
[3] 42 U.S.C. §7409.
[4] EPA **notes** that the Air Quality System "also contains meteorological data, descriptive information about each monitoring station (including its geographic location and its operator), and data quality assurance/quality control information."
[5] Links to data summary files can be found **here**.
[6] Data can be found **here**. EPA notes: "The latest version of the 1970 - 2016 data shows trends for Tier 1 categories. One of the distinct and natural occurrences in inventory development is the evolution and improvement of emission estimate methods over time. in some cases, an improved estimation method for a source category may be applied 'backwards' to previous year estimates for that same category."
[7] More information on the NEI can be found **here**. Version 1, issued in 2014 (2014v1); Release of Version 2 is anticipated mid-2017. EPA notes that "2014v1 did not account for the impact of meteorology and there will be a noticeable spike in [particulate matter] emissions in 2014."
[8] U.S. EPA, ***Toxic Release Inventory National Analysis 2015***, January 2017.
[9] U.S. EPA, ***EPA's Report on the Environment (ROE)***, 2014.
[10] U.S. EPA, **Air Quality Design Values**.
[11] This report relies on EPA's ***U.S. Greenhouse Gas Inventory Report: 1990-2014***, released in April 2016. In February 2017, EPA released for public comment the ***Draft Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2015***.
[12] U.S. EIA, ***Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014***, January 17, 2017.

AIR QUALITY

Fine Particulate Matter

According to U.S. EPA's online *Green Book*, there were 39 areas designated nonattainment for the 1997 $PM_{2.5}$ annual national ambient air quality standard of 15 micrograms per cubic meter (µg/m³).[1] Design values[2] based on monitoring data from U.S. EPA's Air Quality System show that nonattainment and maintenance areas[3] in AAPCA Member States averaged above a 35 percent reduction in fine particulate matter levels since 2004. The average decrease in fine particulate matter concentrations was slightly more than 32 percent in all nonattainment and maintenance areas under the 1997 standard.[4] Below is the percent change between 2004 and 2015 in design values for areas previously designated nonattainment in AAPCA Member States for the 1997 annual NAAQS for fine particulate matter.

Designated Area	Percent Change
Atlanta (GA)	-40.34%
Birmingham (AL)	-40.86%
Canton-Massillon (OH)	-27.50%
Charleston (WV)	-41.46%
Chattanooga (AL-TN-GA)	-35.29%
Chicago-Gary-Lake County (IL-IN)	-31.68%
Cincinnati-Hamilton (OH-KY-IN)	-35.63%
Cleveland-Akron-Lorain (OH)	-27.91%
Columbus (OH)	-32.67%
Dayton-Springfield (OH)	-36.18%
Evansville (IN)	-28.67%
Greensboro-Winston Salem-High Point (NC)	-39.47%

Designated Area	Percent Change
Hickory-Morganton-Lenoir (NC)	-42.21%
Huntington-Ashland (WV-KY-OH)	-42.86%
Indianapolis (IN)	-31.58%
Knoxville (TN)	-35.90%
Louisville (KY-IN)	-27.78%
Macon (GA)	-39.29%
Martinsburg-Hagerstown (WV-MD)	-34.81%
Parkersburg-Marietta (WV-OH)	-38.56%
Rome (GA)	-38.51%
Steubenville-Weirton (OH-WV)	-35.29%
Washington (DC-MD-VA)	-35.17%
Wheeling (WV-OH)	-28.67%

"It makes sense for state and local air pollution agencies to take the lead in carrying out the Clean Air Act. They are able to develop solutions for pollution problems that require special understanding of local industries, geography, housing, and travel patterns, as well as other factors ... State, local, and tribal governments also monitor air quality, inspect facilities under their jurisdictions and enforce Clean Air Act regulations."

U.S. EPA, "**The Plain English Guide to the Clean Air Act**," April 2007.

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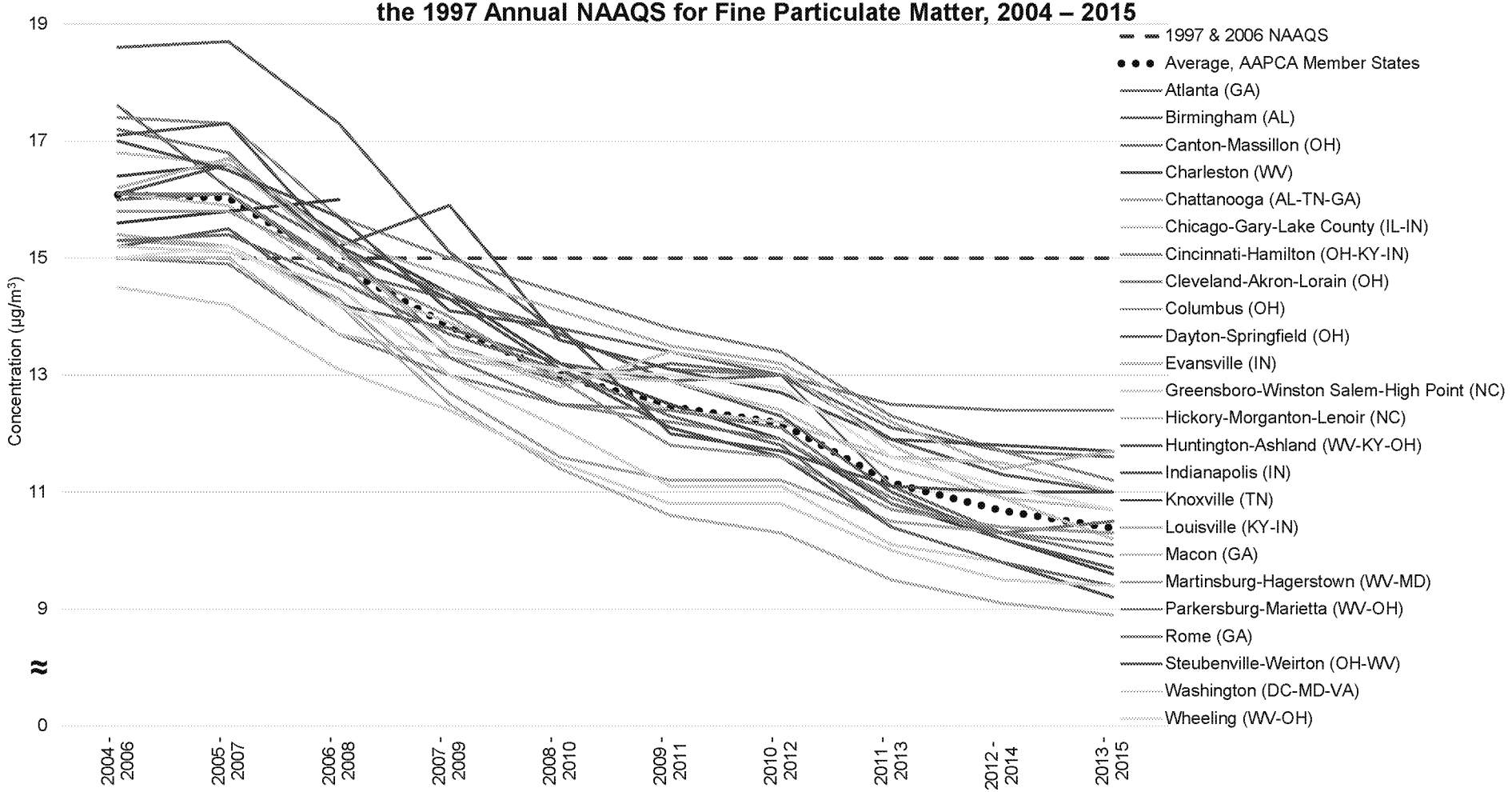
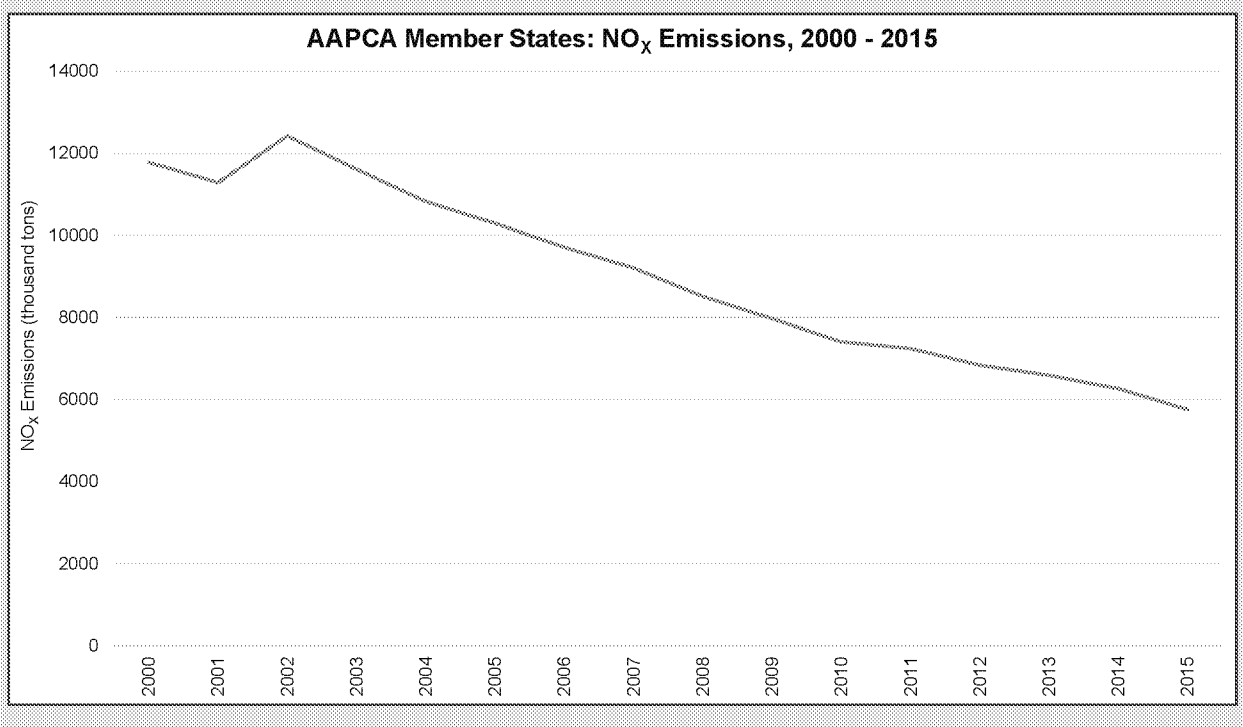
AAPCA Member States: Design Value History for Areas Previously Designated Nonattainment for the 1997 Annual NAAQS for Fine Particulate Matter, 2004 – 2015



[Note: To improve viewing, the y-axis begins at 7 micrograms per cubic meter.]

Ozone

From 2000 through 2014, AAPCA Member States averaged a more than 21 percent reduction in ozone concentrations (based on the maximum fourth-highest eight-hour average concentration measurement), while the national average saw a decrease of approximately 17 percent.[5] Further, emissions of oxides of nitrogen (NO_x), an ozone precursor,[6] were down about 49 percent nationally in 2015 as compared to 2000,[7] with AAPCA Member States reducing NO_x emissions by more than 50 percent over the same period.[8]



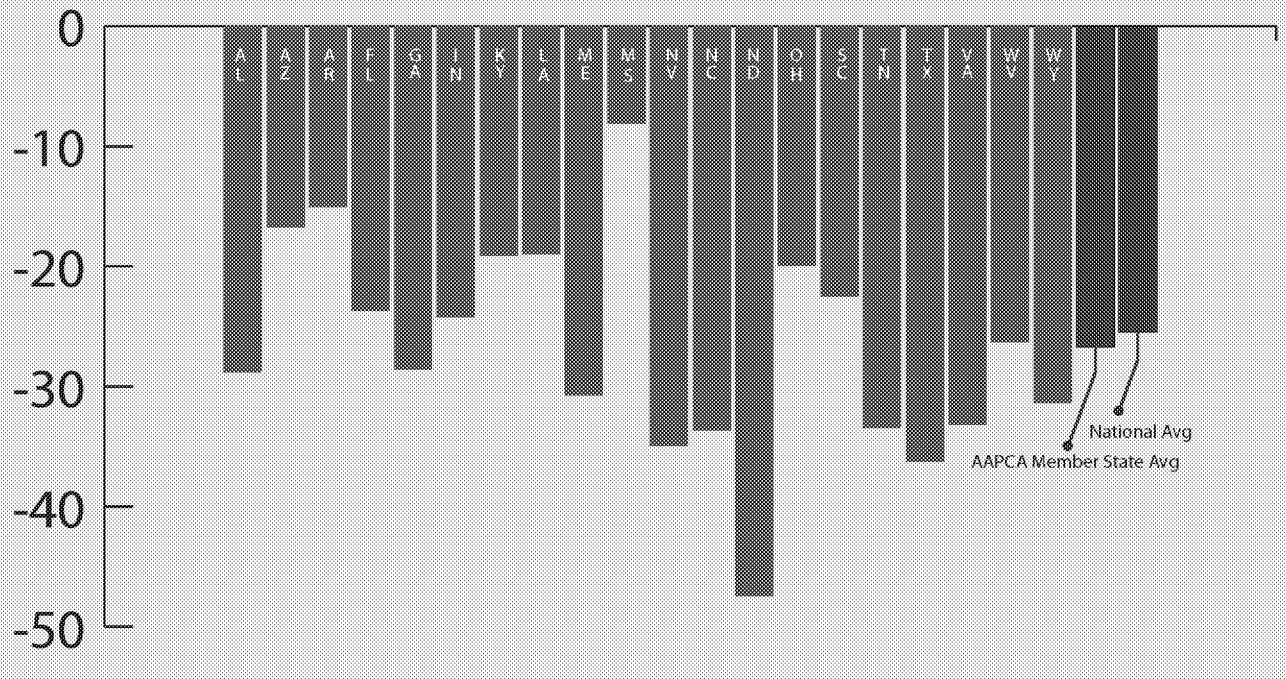
Source: U.S. EPA, **Air Pollutant Emissions Trends Data**. Data file: "State Average Annual Emissions Trend."

GREENHOUSE GASES AND ENERGY

From 2000 to 2014, the 20 states that sit on the AAPCA Board of Directors accounted for more than 53 percent of the cumulative national reductions in energy-related carbon dioxide emissions (436.9 million metric tons total), including the following trends:[9]

- An average 19.3 percent reduction in per capita energy-related carbon dioxide emissions, compared to the national average of 18.1 percent, or approximately 5.5 metric tons per person – 36 percent more than the national average of 3.8 metric tons per person;
- An average decrease in energy intensity of 19.7 percent, compared to the national average of 17.5 percent;[10] and,
- Reductions in the carbon intensity of the economy of 26.7 percent on average – the national average was a 25.5 percent reduction.

AAPCA Member States: Carbon Intensity of the Economy 2000 - 2014



Source: U.S. EIA, ***Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014***, January 17, 2017. Table 8. Carbon intensity of the economy by State (2000-2014).

Cost of Energy

In 2015, the average retail price for electricity in AAPCA Member States was 9.28 cents per kilowatt-hour (cents/kWh), nearly 1.7 cents/kWh less than the national average of 10.91 cents/kWh – more than 16 percent cheaper. Motor gasoline prices in AAPCA Member States are also below the national average.

Sources: U.S. EIA, "**State Electricity Profiles**," January 17, 2017.
U.S. EIA, "**Motor Gasoline Price and Expenditure Estimates, Ranked by State**," 2014.

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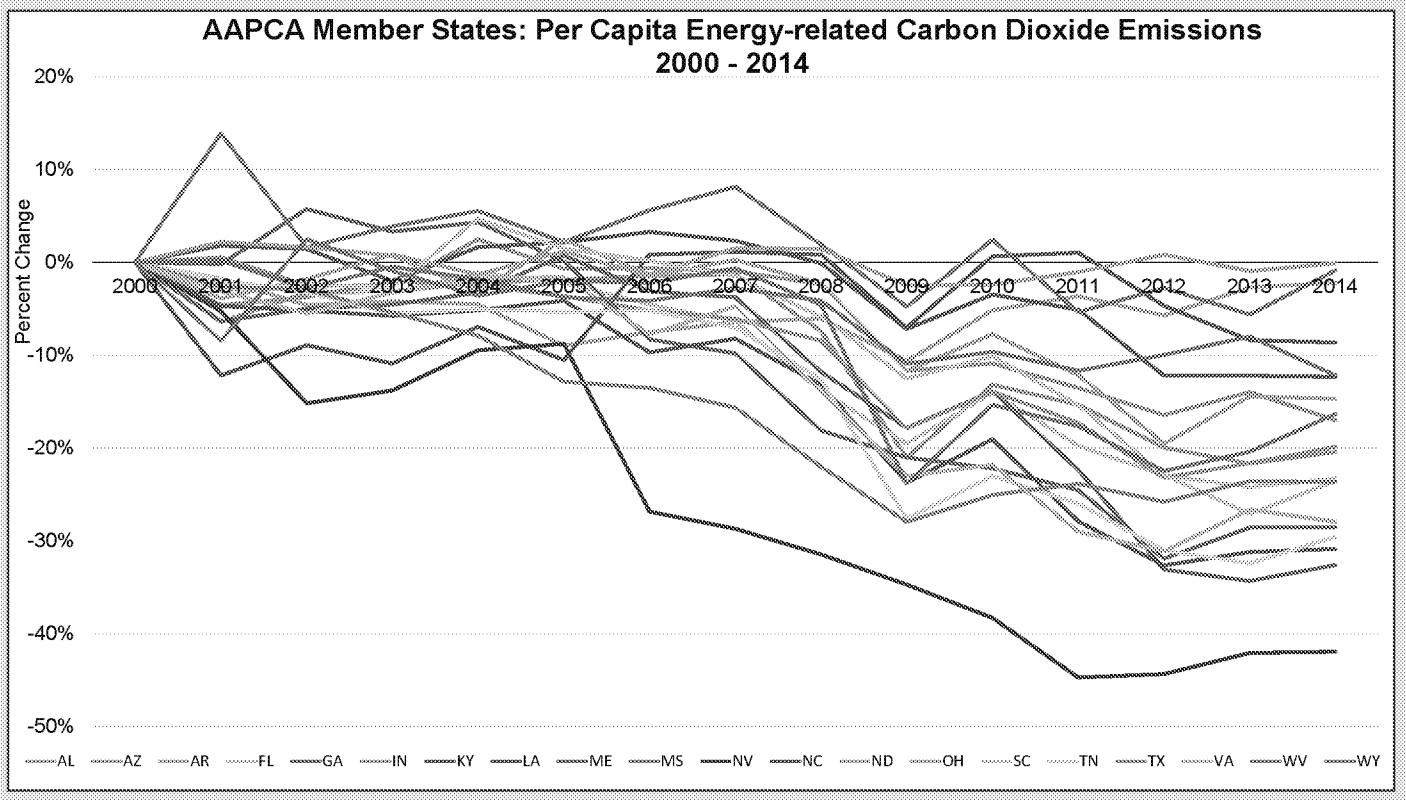


Source: U.S. EIA, ***Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014***, January 17, 2017.

Recent AAPCA Best Practice Winners

Each year, AAPCA awards **Best Practices** that identify ground breaking technology, innovative approaches, and exemplary operations in the field of air pollution control, with particular focus on activities that are directly transferable to the operation of an air pollution control agency. Below are recent recipients:

2016:

- **Air Protection Branch 101 Training**, Georgia Environmental Protection Division, Air Protection Branch

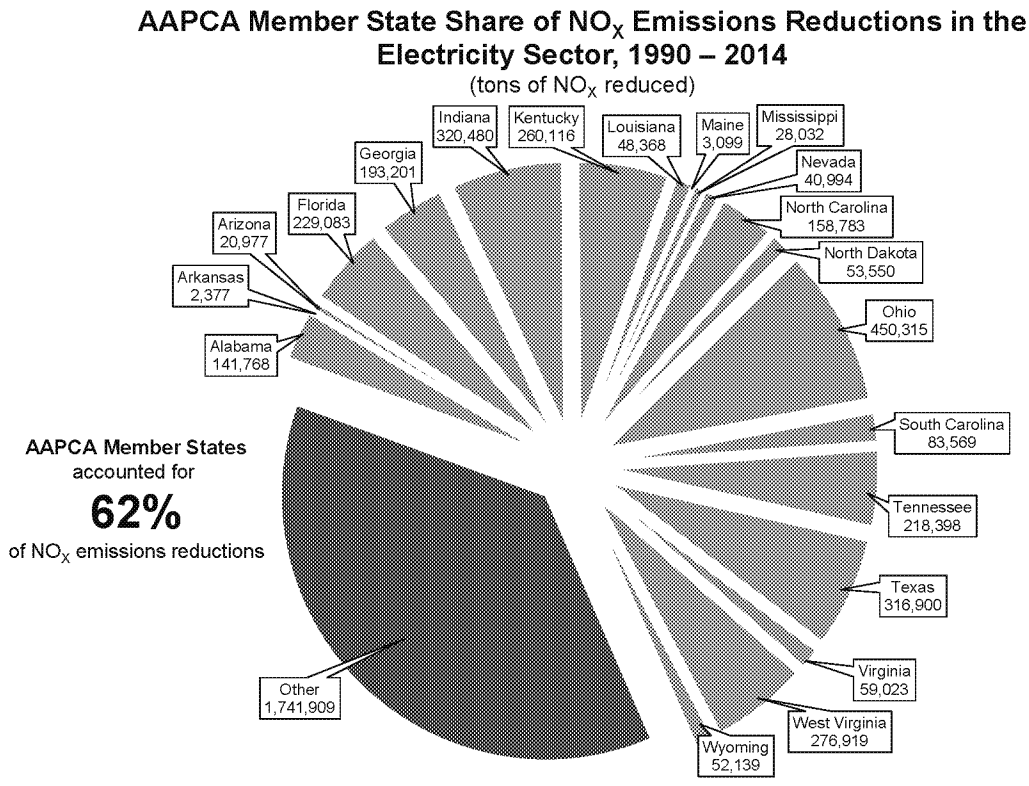
2015:

- **AirCom: Florida Division of Air Resource Management's New Compliance and Enforcement Database and Field Inspection Tool,** Florida Department of Environmental Protection
- **FAIR: Florida Air Inspector Reference**, Florida Department of Environmental Protection
- **Promoting Energy Efficiency at Commercial and Industrial Facilities in North Carolina**, North Carolina Division of Air Quality

ELECTRICITY SECTOR EMISSIONS REDUCTIONS

Oxides of Nitrogen

Between 1990 and 2014, AAPCA Member States accounted for 62 percent of the NO_x emissions reductions in the electricity sector, lowering NO_x emissions from 3,880,019 tons in 1990 to 968,179 tons in 2014.[11]

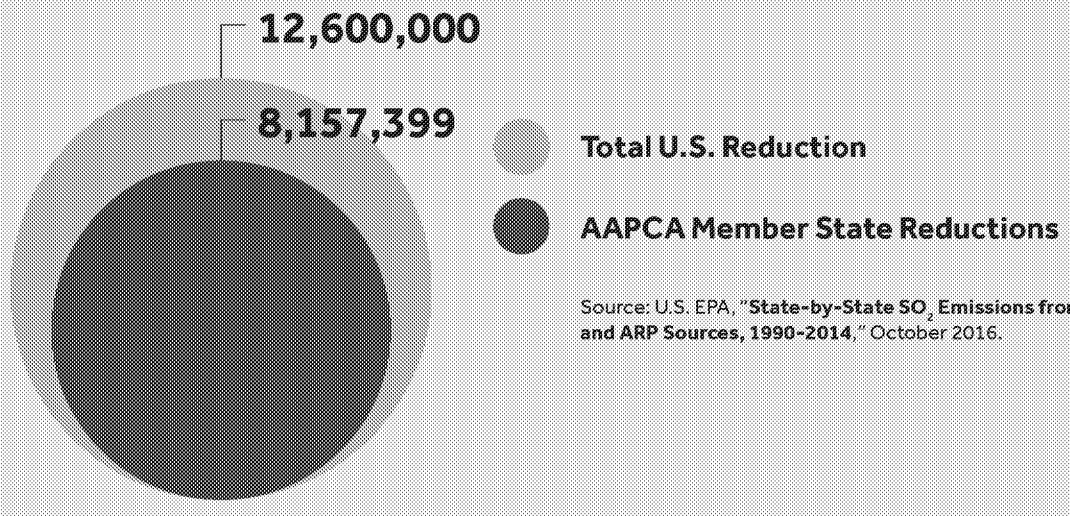


Source: U.S. EPA, "**State-by-State Annual NO_x Emissions from CAIR and ARP Sources, 1990-2014,**" October 2016.

Sulfur Dioxide

United States SO_2 emissions in the electricity sector decreased from 15.73 million tons in 1990 to 2.62 million tons in 2014, a 12.6-million-ton reduction total. AAPCA Member State reductions equaled nearly 65 percent of the total U.S. reduction over that period, bringing emissions down from roughly 10 million tons in 1990 to just over 2 million tons in 2014.[12]

AAPCA Member States: Share of SO_2 Emissions Reductions in the Electricity Sector, 1990 – 2014



Source: U.S. EPA, "**State-by-State SO_2 Emissions from CAIR and ARP Sources, 1990-2014**," October 2016.

Capital Investment for Emissions Controls at Coal-Fired Power Plants

A 2016 report projects that, between 1996 and 2020, coal-fired power plants in AAPCA Member States will invest more than $83 billion in emissions control systems – approximately two-thirds of total national investments. Plants in Indiana, Ohio, Kentucky, West Virginia, and Pennsylvania are estimated to invest more than $8 billion in each state over that period. These figures include "capital investments made for selective catalytic and non-catalytic reductions (SCR/SNCR) to reduce NO_x emissions, wet scrubber, dry scrubber and dry sorbent injection (DSI) equipment to reduce SO_2 emissions, fabric filter and electrostatic precipitators (hot-side/cold-side) to reduce emissions of particulate matter, as well as activated carbon injection (ACI) to reduce emissions of mercury and other hazardous air pollutants." Not included in these figures are costs for fuel switching or plant closures.

Source: Energy Ventures Analysis, Inc., ***Capital Investments in Emission Control Retrofits in the U.S. Coal-fired Generating Fleet through the Years – 2016 Update***, January 26, 2016 [Data from: EIA 767/860 form, EVA estimates, industry data].

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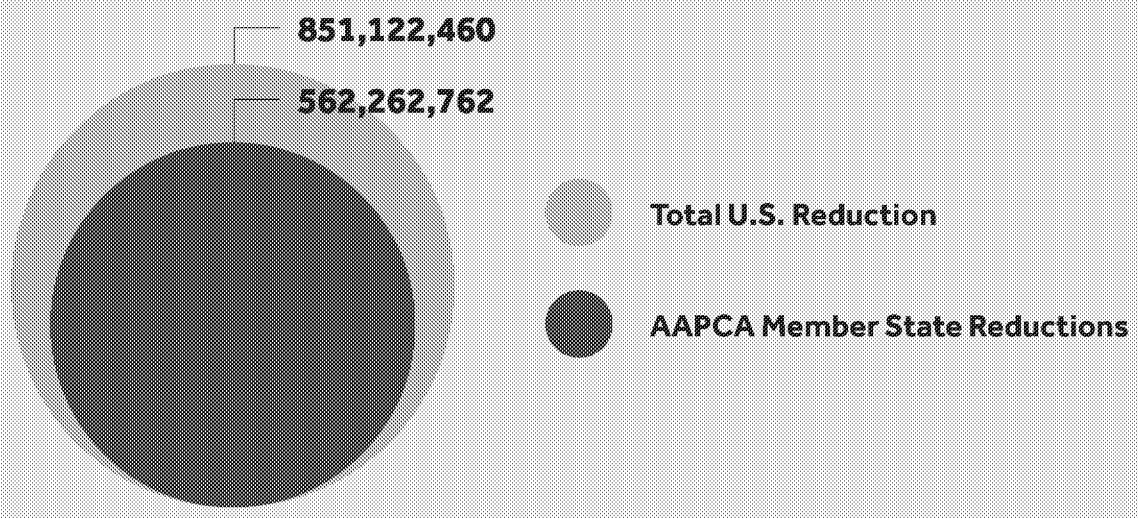
TOXIC AIR RELEASES

U.S. EPA's *2015 Toxic Release Inventory National Analysis* revealed a 56 percent decrease in reported toxic air releases[13] compared to the 2005 level, from 1,520,015,772 pounds in 2005 to 668,893,312 pounds in 2015.[14] Of the more than 851-million-pound reduction that was documented, AAPCA Member States accounted for 562,262,762 pounds, or nearly two-thirds of the national total.[15]

AAPCA Member States: Share of Total Reduction of Toxic Air Releases Reported to the Toxic Release Inventory, 2005 – 2015



Source: U.S. EPA, "**Where You Live in the 2015 Toxic Release Inventory National Analysis**," January 2017.

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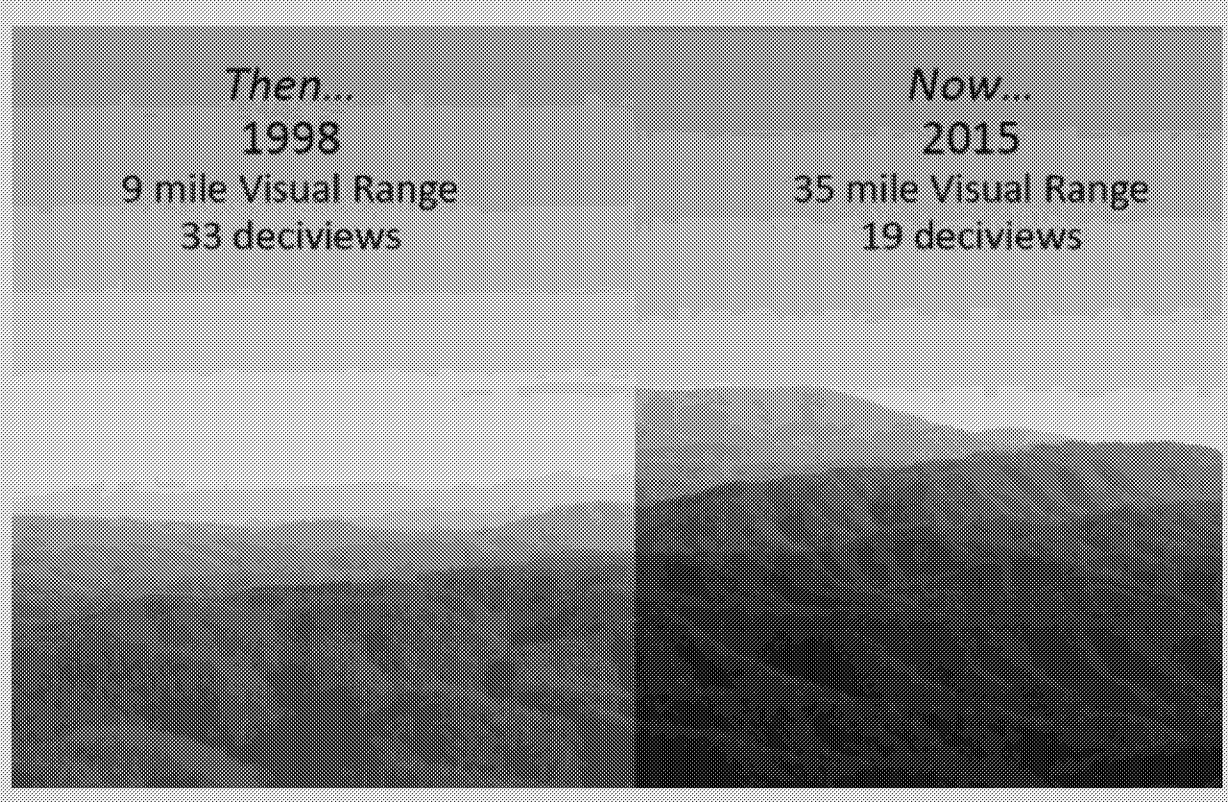
Visibility Progress: Then and Now in the Great Smoky Mountains

In July 2016, the North Carolina Department of Environmental Quality (NC DEQ) highlighted changes in visibility for the Smoky Mountains National Park between 1998 and 2015. NC DEQ explained that "average visibility on the clearest days increased from 54 miles in 1996 to 89 miles in 2014. On the haziest days, the visibility increased from 10 miles to 33 miles,"noting that this progress is a "direct result of state and federal measures to reduce air pollution. Air quality monitoring shows that levels of key pollutants have dropped dramatically over this time period."



Source: North Carolina Department of Environmental Quality, "**Cleaner air benefits tourism as well as health and the environment**," July 25, 2016.

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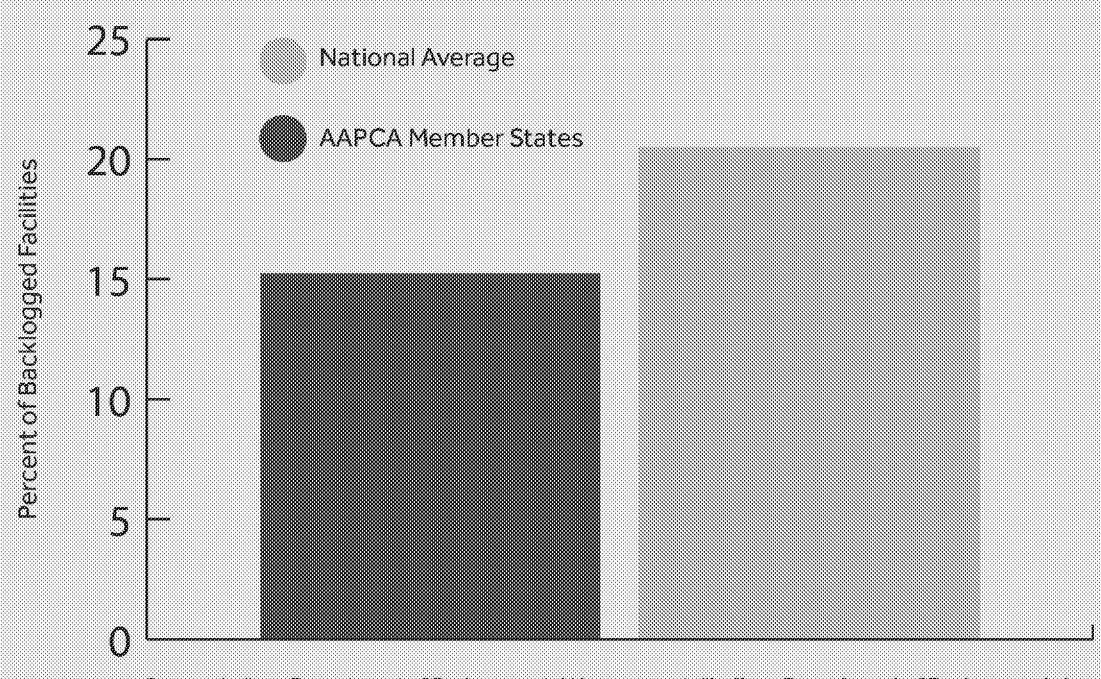
PERMITTING EFFICIENCY

As outlined by U.S. EPA, "Title V of the Clean Air Act requires major sources of air pollutants, and certain other sources, to obtain and operate in compliance with an operating permit," also known as a Title V air permit. In 2016, for states with more than 100 Title V sources, the backlog for renewing those permits was 20.5 percent. For AAPCA Member States, the backlog was only 15 percent.[16]

Title V Renewal Backlog for Permitting Authorities with Greater than 100 Title V Sources



Source: Indiana Department of Environmental Management, "**Indiana Department of Environmental Management leads nation in Title V air permit response time**," March 16, 2016

COMPLIANCE AND ENFORCEMENT ACTIVITY

According to U.S. EPA's Enforcement and Compliance History Online (ECHO), states conducted full compliance evaluations related to the Clean Air Act for more than 14,500 facilities in 2016, more than 80 times as many that were conducted by EPA.[17] For the more than 4,000 facilities subjected to formal or informal enforcement actions in 2016, more than 90 percent were carried out by states – 18 times the number carried out by U.S. EPA.[18]

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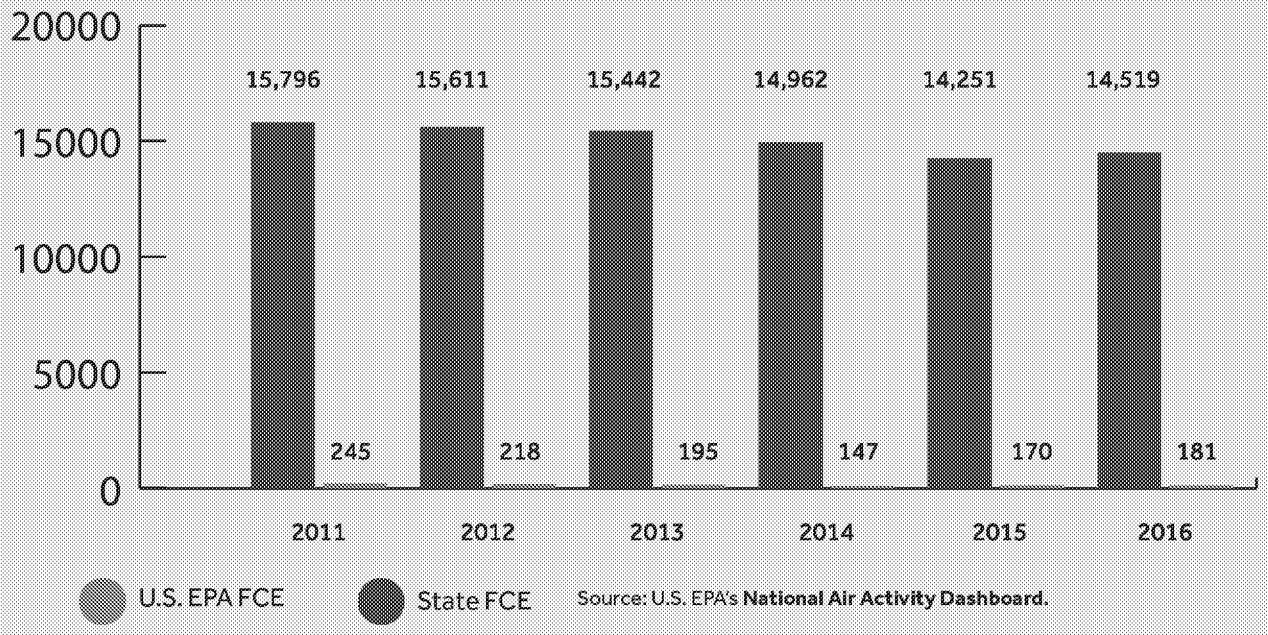
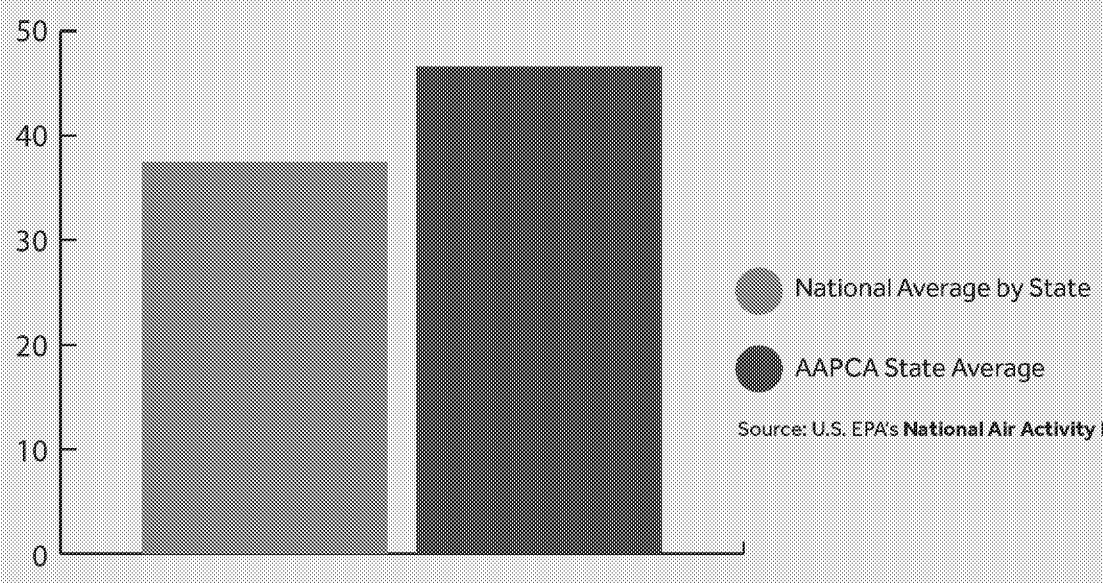
Number of Facilities with a Full Compliance Evaluation (FCE), 2011 - 2016



Source: U.S. EPA's **National Air Activity Dashboard.**

Further, AAPCA Member States performed full compliance evaluations at nearly 47 percent of facilities annually from 2010 to 2014, whereas the national average for states was approximately 37.5 percent of facilities.[19]

Percentage of Facilities with a Full Compliance Evaluation (FCE), 2010 - 2014



Source: U.S. EPA's **National Air Activity Dashboard.**

DEMANDS ON STATE AND LOCAL AIR AGENCIES

This progress comes in the context of increasing demands on state and local air agency personnel. AAPCA has recently published **several resources** highlighting these deadlines.

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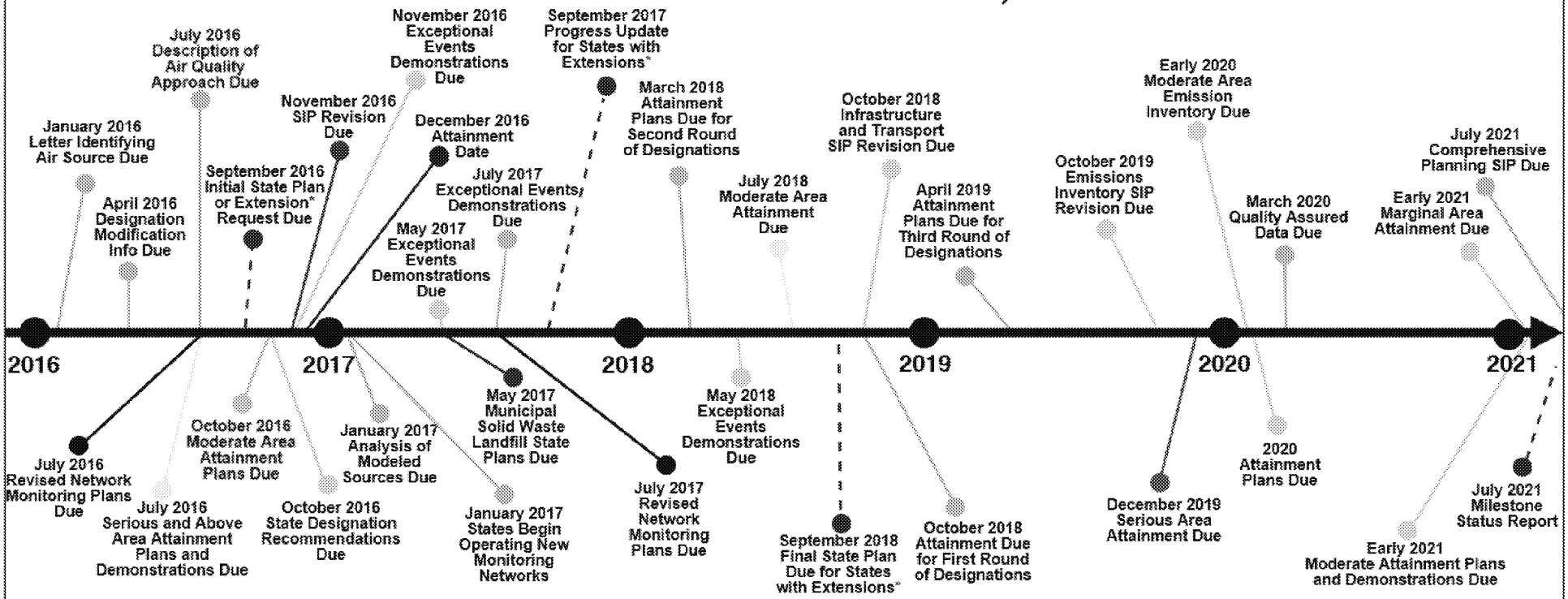
March 2017

AAPCA

State Clean Air Act Deadlines, 2016 - 2021



* On February 9, 2016, the U.S.Supreme Court stayed implementation of the Clean Power Plan. According to U.S. EPA: "EPA firmly believes the Clean Power Plan will be upheld when the merits are considered because the rule rests on strong scientific and legal foundations. For the states that choose to continue to work to cut carbon pollution from power plants and seek the agency's guidance and assistance, EPA will continue to provide tools and support. "

The Association of Air Pollution Control Agencies (AAPCA) is a national, consensus-driven non-profit organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. You can find more information about AAPCA at: http://www.cleanairact.org

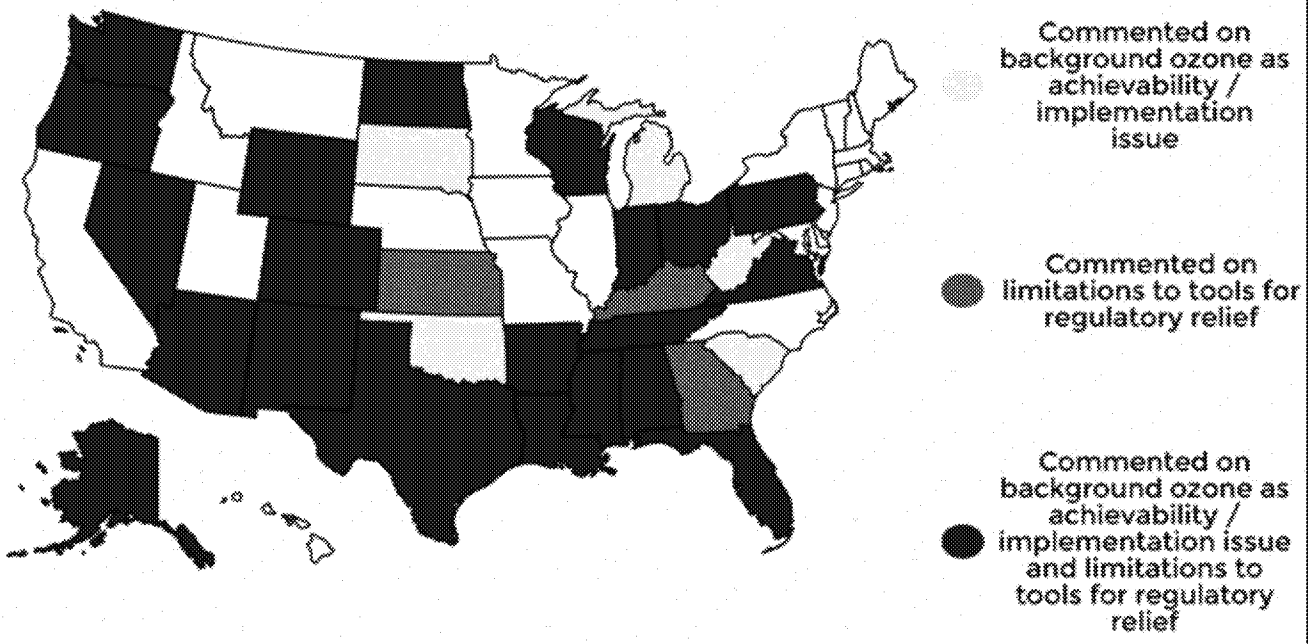
State Perspectives on Timely Implementation Tools and Background Pollution

Ahead of U.S. EPA's 2015 revision to the NAAQS for ground-level ozone, AAPCA surveyed all written state environmental agency comment on the proposal and released two reports on state perspectives regarding background ozone and timely implementation tools under a more stringent standard.

AAPCA found that a strong majority of commenting states called on EPA to provide timely implementation tools under a revised standard in order to avoid truncated implementation schedules and wasted air agency resources, with many agencies suggesting that EPA propose the accompanying implementation rule when updating the NAAQS.

A majority of state agency comments also raised concerns about the role of background ozone, including both naturally occurring and internationally transported contribution, as an achievability or implementation challenge. State agency comments and a more focused survey of AAPCA Member States revealed critical limitations for the potential tools for regulatory relief.

State Environmental Agency Comments on Background Ozone & Limitations of Current Tools for Regulatory Relief



Sources: AAPCA, ***State Environmental Agency Perspectives on Timely NAAQS Implementation***, September 2015
AAPCA, ***State Environmental Agency Perspectives on Background Ozone & Regulatory Relief***, June 2015.

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Section Notes

[1] U.S. EPA's ***Green Book*** contains a history of areas designated nonattainment or maintenance under the NAAQS. EPA's listing of areas designated nonattainment or maintenance for the 1997 annual $PM_{2.5}$ NAAQS can be found at: **https://www3.epa.gov/airquality/greenbook/qbtc.html**. In 2012, the NAAQS for $PM_{2.5}$ was lowered to 12 µg/m3, based on an annual arithmetic mean averaged over three years (the 2006 review maintained the 1997 standard).

[2] U.S. EPA defines design values as "a statistic that describes the air quality status of a given location relative to the level of the NAAQS ... typically used to designate and classify nonattainment areas, as well as to assess progress towards meeting the NAAQS."

[3] **Section 175A(a) of the Clean Air Act** states that "redesignation of a nonattainment area for any air pollutant as an area which has attained the national primary ambient air quality standard for that air pollutant shall also submit a revision of the applicable State implementation plan to provide for the maintenance of the national primary ambient air quality standard for such air pollutant in the area concerned for at least 10 years after the redesignation. The plan shall contain such additional measures, if any, as may be necessary to ensure such maintenance."

[4] **https://www.epa.gov/air-trends/air-quality-design-values#report**. Data file: "$PM_{2.5}$ Design Values, 2015." Data for this chart is based on overlapping three-year averages beginning with 2004 – 2006 and ending with 2013 – 2015.

[5] Data from U.S. EPA's **Air Quality System**.

[6] U.S. EPA **explains** that "Ozone is not directly emitted, but is formed when oxides of nitrogen (NO_x) and volatile organic compounds (VOCs) react in the presence of sunlight. PM can be emitted, or it can be formed when emissions of NO_x, sulfur oxides (SO_x), ammonia, organic compounds and other gases react in the atmosphere."

[7] **https://www.epa.gov/air-trends/air-quality-national-summary#Emissions Trends**.

[8] **https://www.epa.gov/air-emissions-inventories/air-pollutant-emissions-trends-data**. Data file: "State Average Annual Emissions Trend."

[9] U.S. EIA, ***Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014***, January 17, 2017.

[10] As measured by thousand British thermal units (Btu) per chained 2009 dollar of GDP.

[11] U.S. EPA, "**State-by-State Annual NO_x Emissions from CAIR and ARP Sources, 1990-2014**," October 2016.

[12] U.S. EPA, "**State-by-State SO_2 Emissions from CAIR and ARP Sources, 1990-2014**," October 2016.

[13] U.S. EPA regulates 187 hazardous air pollutants. A full list of hazardous air pollutants can be found in Section 112 of the **Clean Air Act**.

[14] U.S. EPA, ***2015 Toxic Release Inventory National Analysis***, January 2017.

[15] Links to State Toxic Release Inventory Data Sheets are available at: **https://www.epa.gov/trinationalanalysis/where-you-live-2015-tri-national-analysis**

[16] Indiana Department of Environmental Management, "**Indiana Department of Environmental Management leads nation in Title V air permit response time**," March 16, 2016

[17] Data from U.S. EPA's **National Air Activity Dashboard**, part of **ECHO**.

[18] U.S. EPA's **National Air Activity Dashboard**, part of **ECHO**.

[19] Data from U.S. EPA's **Analyze Trends: State Air Dashboard**, part of **ECHO**. EPA Note: "Due to the **transition between CAA national data management systems**, the Performance View of the Air Dashboard has not been updated since January 31, 2015."

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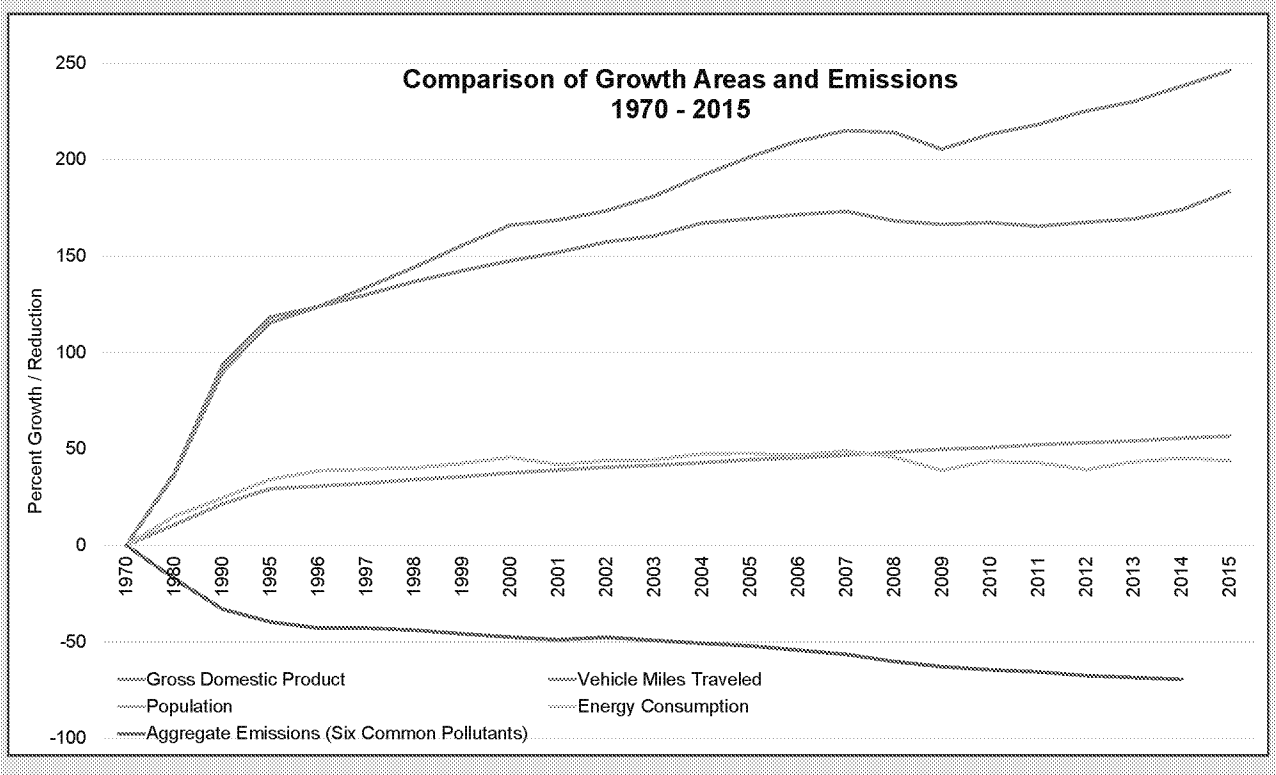
AMERICA'S FOOTPRINT

In 2016, EPA published an interactive website entitled *Our Nation's Air: Status and Trends Through 2015*. EPA compares emissions trends of the criteria air pollutants since 1970 to the trend lines of several economic and social indicators, including Gross Domestic Product (GDP), population, vehicles miles traveled, and energy consumption.[1]

EPA states that "By 2015, the combined emissions of the six common pollutants ... dropped by 71 percent since 1970," while the United States experienced a 250-percent increase in GDP, a nearly 200-percent increase in vehicle miles traveled, and steady increases in energy consumption and population.[2]



Source: U.S. EPA, ***Our Nation's Air: Status and Trends Through 2015***, Fall 2016
Data: **https://gispub.epa.gov/air/trendsreport/2016/** (section: Economic Growth with Cleaner Air)

> "The United States primarily has done an excellent job, moving from being a very dirty place in the 1950s to quite a clean place today." – Dr. Carlos Dora, World Health Organization (The New York Times, "**Europe Trails U.S. in Cutting Air Pollution, W.H.O. Says**," May 12, 2016)

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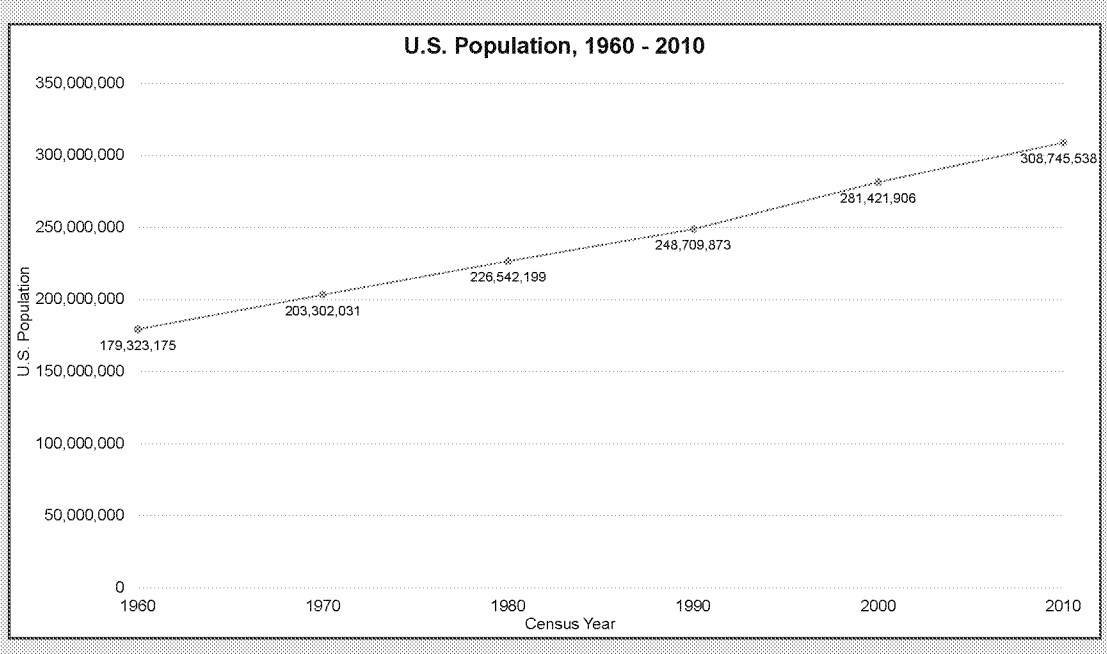
Population

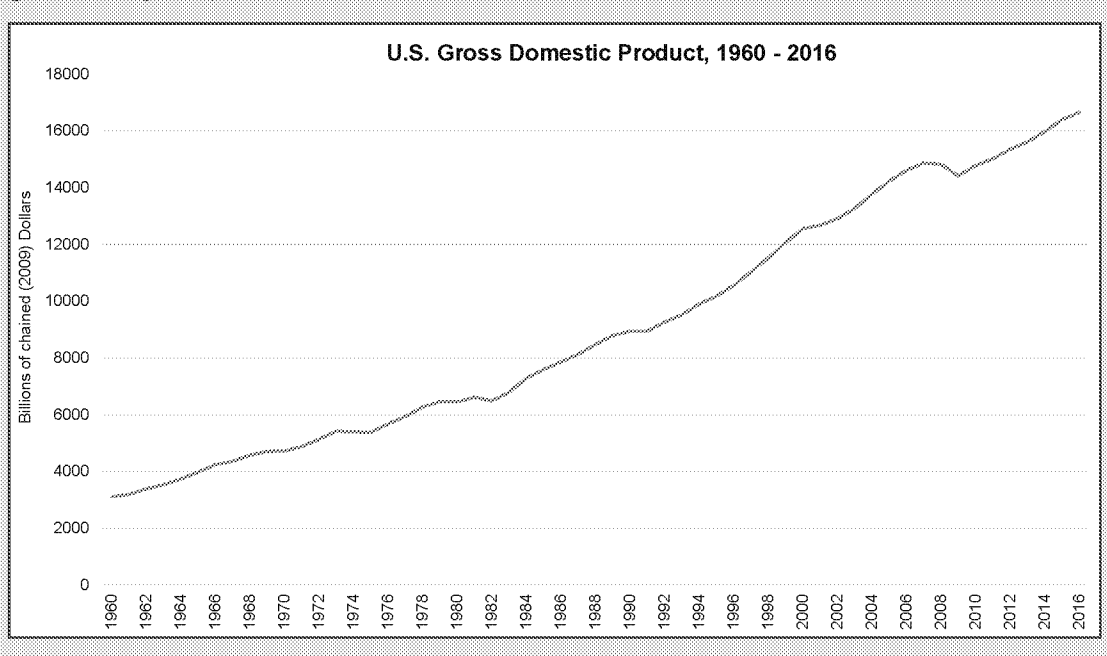
The United States ranks third in total population, behind only China and India, and ahead of Indonesia and Brazil.[3] Since 1960, the U.S. has experienced a 72 percent growth in population, including a 27.3-millon-person increase in the years ranging from 2000 to 2010.[4]



Source: U.S. Census Bureau, data available at: **https://www.census.gov/history/www/through_the_decades/**.

Gross Domestic Product

U.S. GDP in 2015 represented nearly a quarter of the gross world product[5] and has risen relatively steadily, growing from $1.076 trillion in 1970 to $18.037 trillion in 2015.[6] As of 2016, U.S. GDP had grown nearly 436 percent since 1960.[7]



Source: U.S. Bureau of Economic Analysis, data available **here**.

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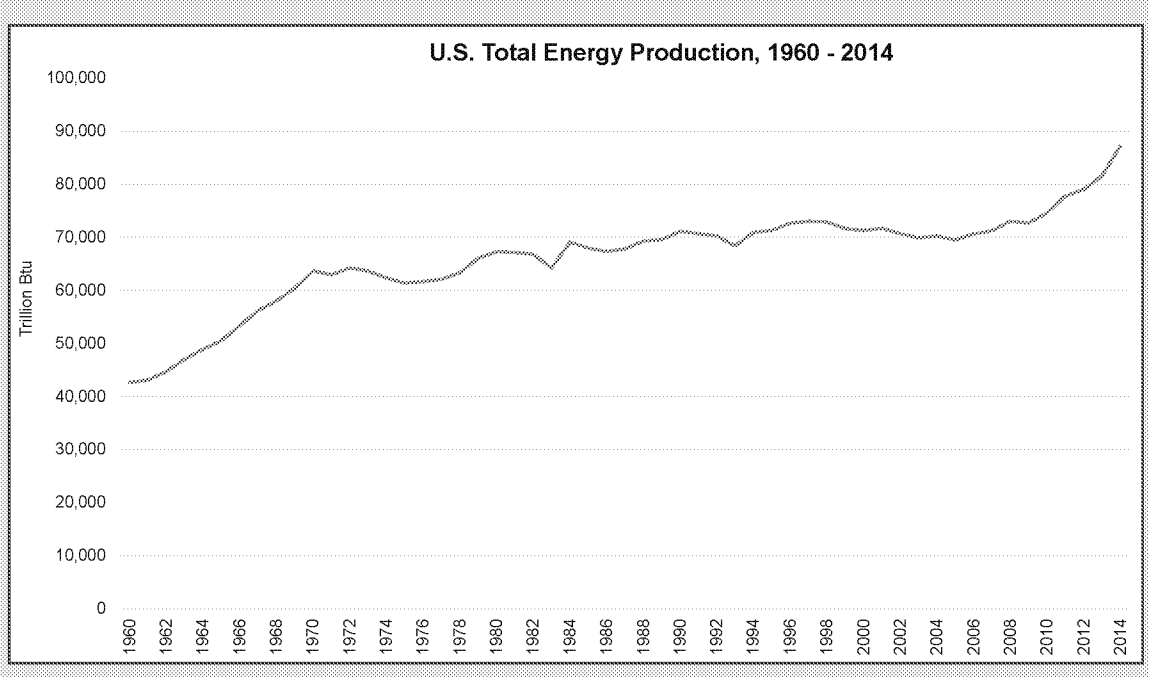
Energy Production

The United States is a significant energy producer, second only to China in total energy production, according to the International Energy Agency (IEA).[8] Energy production in the U.S. has increased approximately 105 percent since 1960.[9] Further, from 2004 to 2014, the U.S. became 28 percent more energy self-sufficient – up to 91 percent, the highest percentage of energy self-sufficiency the nation has obtained.[10]



Source: U.S. EIA, **State Energy Data System (SEDS): 1960-2014**, June 29, 2016.

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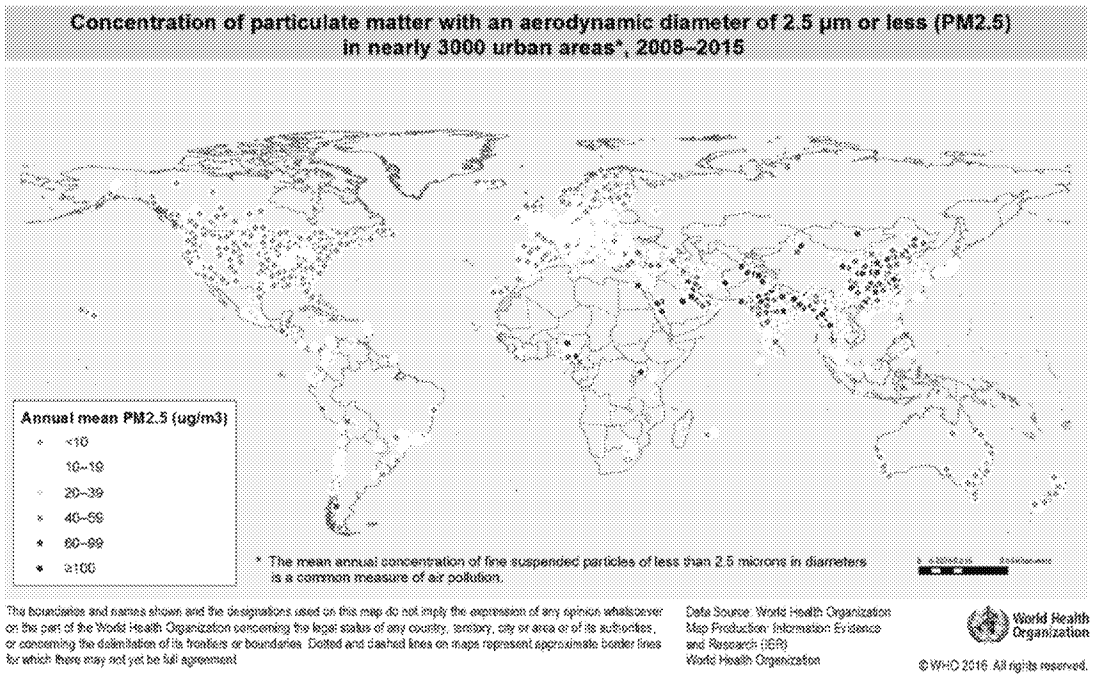
AIR QUALITY

Fine Particulate Matter

In 2016, the World Health Organization mapped the concentration of fine particulate matter in nearly 3,000 cities, based on measurements taken from 2008 to 2015.[11] The map demonstrates that the majority of the United States has lower fine particulate matter levels than most of the rest of the world.



Source: World Health Organization, "**Concentration of particulate matter with an aerodynamic diameter of 2.5 µm or less ($PM_{2.5}$) in nearly 3000 urban areas, 2008-2015**," 2016.

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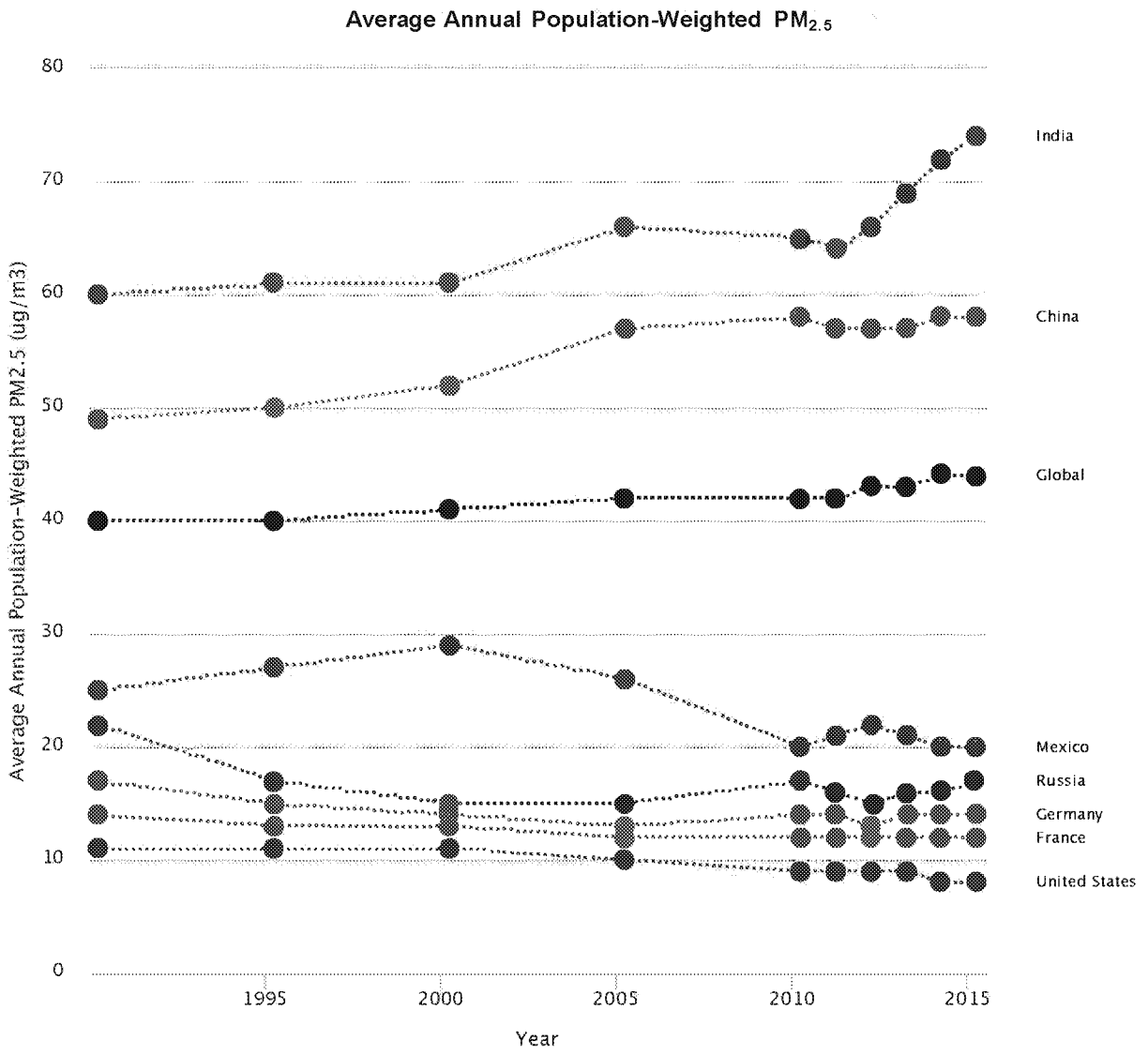
In 2017, the Health Effects Institute and the Institute for Health Metrics and Evaluation released the report *State of Global Air/2017*. Data accompanying the report shows annual average population-weighted fine particulate matter and demonstrates U.S. leadership with annual metrics below the World Health Organization Interim Targets and Guideline Values.[12]



According to the report's glossary: "Instead of calculating average air pollution levels where all areas receive equal weight, as is typically done, population-weighted averages give weight to the areas in proportion to their population, so that greater weight is given to exposures in areas where the most people live."

Source: Health Effects Institute and the Institute for Health Metrics and Evaluation, ***State of Global Air/2017***.

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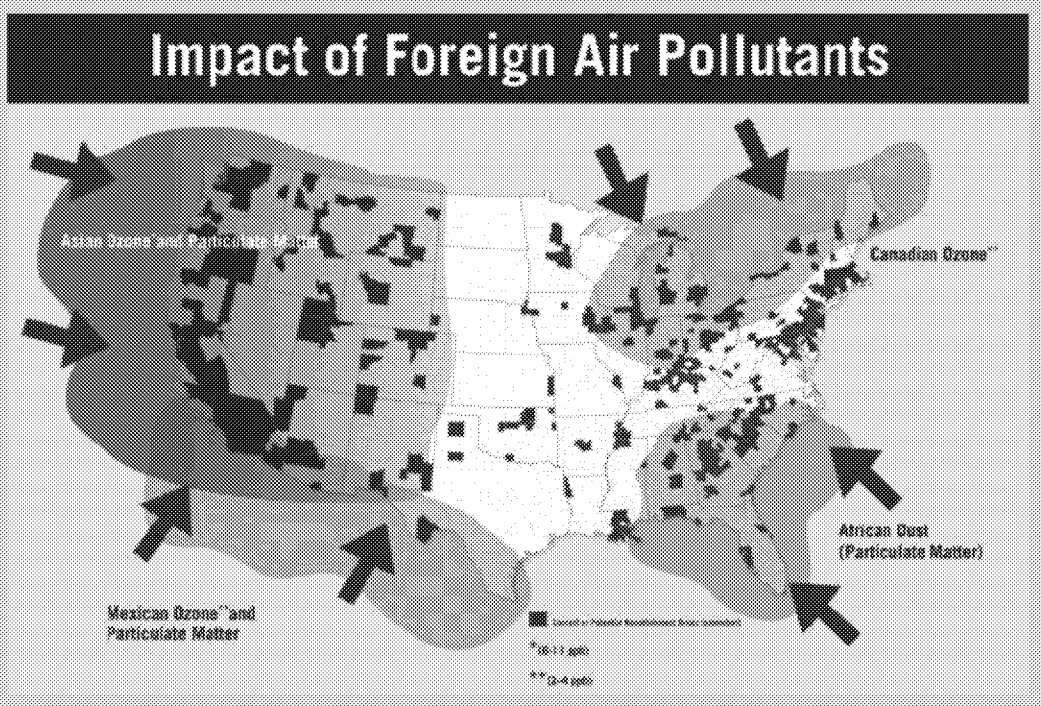
Small World: The Influence of Foreign Emissions on U.S. Ozone Levels



Source: **U.S. Chamber of Commerce**, January 2015.

A growing body of scientific literature, including from government researchers at NASA, EPA, and other agencies, suggests significant contributions to U.S. air pollution concentrations from foreign sources. For example:

- In the journal *Atmospheric Chemistry and Physics*, a study published in March 2017 concluded that "Asian NO_x emissions have tripled since 1990, contributing as much as 65% to modeled springtime background [ozone] increases (0.3–0.5 ppb yr−1) over the [Western United States], outpacing [ozone] decreases attained via 50% [United States] NO_x emission controls."
  Lin, M. (Princeton University, National Oceanic and Atmospheric Administration [NOAA]), Horowitz, L. W. (NOAA), Payton, R. (U.S. EPA Region 8), Fiore, A. M. (Columbia University), & Tonnesen, G. (U.S. EPA Region 8): **US surface ozone trends and extremes from 1980 to 2014: quantifying the roles of rising Asian emissions, domestic controls, wildfires, and climate**, *Atmos. Chem. Phys., 17, 2943-2970, doi:10.5194/acp-17-2943-2017, 2017.*

- Authors of a 2015 study published in *Nature Geoscience* found that "The [ozone] decrease over the western US associated with both local and Asian NO_x emissions changes is 0.04 [Dobson units] yr−1 (Table 1), but the contribution of emissions and [ozone] transport from China to tropospheric [ozone] over the western [United States] has grown by 0.03 [Dobson units] yr−1 over 2005-2010 (Fig. 3a). The import from China has thus neutralized ~43% of the 0.07 (=0.03+0.04) [Dobson units] yr−1 [ozone] decrease that would have occurred largely in response to air pollution controls in the western [United States], had Chinese emissions been constant."
  Verstraeten, W. (Wageningen University), Neu, J. (NASA Jet Propulsion Laboratory, California Institute of Technology), Williams, J. (Royal Netherlands Meteorological Institute), Bowman K. (NASA Jet Propulsion Laboratory, California Institute of Technology), Worden, J. (NASA Jet Propulsion Laboratory, California Institute of Technology), & Boersma, K. (Wageningen University): **Rapid increases in tropospheric ozone production and export from China**, *Nature Geoscience 8, 690–695, doi:10.1038/ngeo2493, 2015.*

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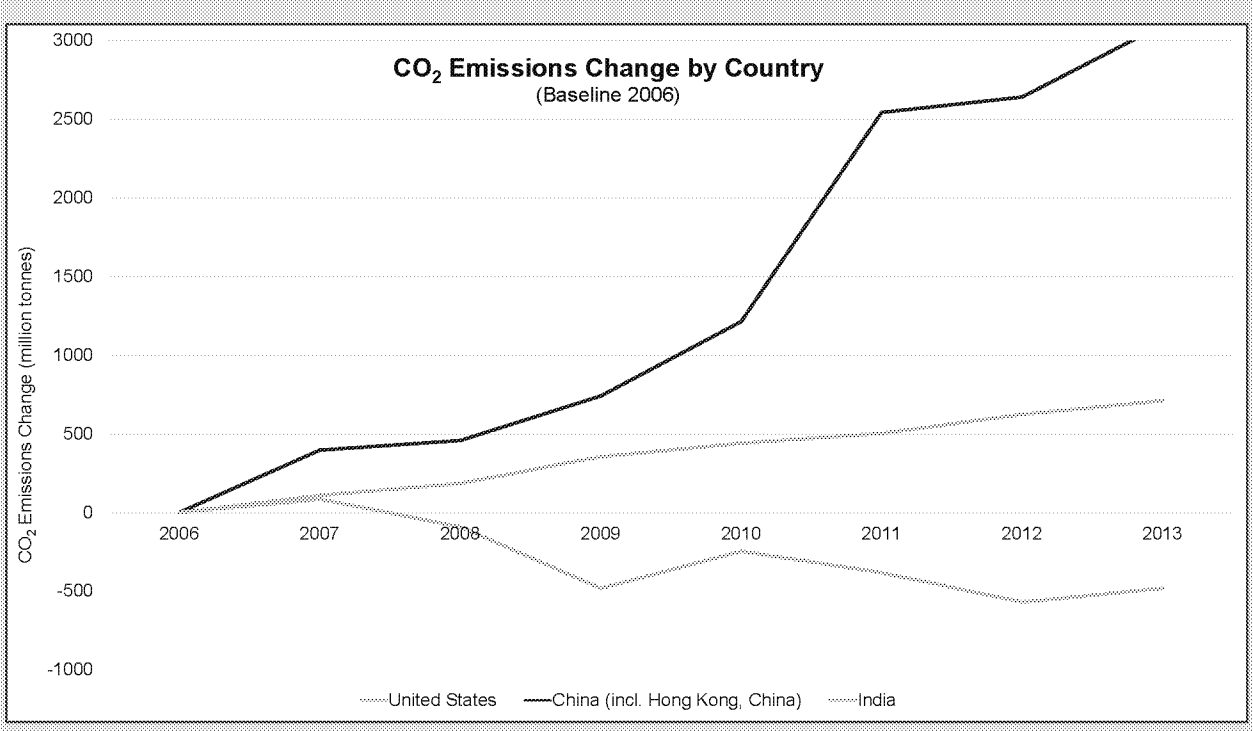
Carbon Dioxide Emissions

Based upon International Energy Agency data, the chart below highlights CO_2 emissions from China, India, and the United States between 2006 and 2013. In terms of per capita CO_2 emissions, the United States reduced emissions by 2.57 tons per person, whereas China increased emissions by 2.11 tons per person and India by 0.48 tons/person. The U.S. has had the largest drop in carbon dioxide emissions in the world over that period.[13]



Source: U.S. Department of Energy, "**Watch Our CO_2 Drop**," January 2016 (Data from IEA).

Section Notes

[1] U.S. EPA, ***Our Nation's Air: Status and Trends Through 2015***, Fall 2016.
[2] U.S. EPA, ***Our Nation's Air: Status and Trends Through 2015***, Fall 2016.
[3] U.S. Census Bureau, **U.S. and World Population Clock**, February 27, 2017.
[4] U.S. Census Bureau, data available at: **https://www.census.gov/history/www/through_the_decades/**.
[5] **http://data.worldbank.org/indicator/NY.GDP.MKTP.CD**.
[6] U.S. Bureau of Economic Analysis, "**Gross Domestic Product, 1970 – 2015**," Updated December 22, 2016.
[7] U.S. Bureau of Economic Analysis, data available at: **https://www.bea.gov/iTable/iTable.cfm?ReqID=9&step=1#reqid=9&-step=3&isuri=1&904=1960&903=6&906=a&905=1000&910=x&911=0**.
[8] **http://energyatlas.iea.org/#!/tellmap/-297203538/0**.
[9] U.S. EIA, **State Energy Data System (SEDS): 1960-2014**, June 29, 2016.
[10] International Energy Agency, **IEA Energy Atlas**, 2016.
[11] World Health Organization, "**Concentration of particulate matter with an aerodynamic diameter of 2.5 µm or less ($PM_{2.5}$) in nearly 3000 urban areas, 2008-2015**," 2016.
[12] Health Effects Institute and the Institute for Health Metrics and Evaluation, ***State of Global Air/2017***.
[13] U.S. Department of Energy, "**Watch Our CO_2 Drop**," January 2016 (Data from IEA).

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TRENDS IN CRITERIA AIR POLLUTANTS

Concentrations

Nationally, concentrations for the six criteria air pollutants have plummeted over the last several decades. U.S. EPA's 2016 Air Trends Report charts these changes in ambient air since 1980, 1990, and 2000.[1]

	1980 vs 2015	1990 vs 2015	2000 vs 2015
Carbon Monoxide	-84	-77	-60
Lead	-99	-99	-91
Nitrogen Dioxide (annual)	-60	-54	-45
Nitrogen Dioxide (1-hour)	-59	-47	-31
Ozone (8-hour)	-32	-22	-17
PM_{10} (24-hour)	---	-39	-36
$PM_{2.5}$ (annual)	---	---	-37
$PM_{2.5}$ (24-hour)	---	---	-37
Sulfur Dioxide (1-hour)	-84	-81	-69

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Emissions

Utilizing data from the National Emissions Inventory (NEI), U.S. EPA's 2016 Air Trends Report also provides a breakdown of emissions reductions by criteria air pollutant. Since 1990, emissions for several key pollutants have fallen more than 40 percent. [2]

	1980 vs 2015	1990 vs 2015	2000 vs 2015
Carbon Monoxide	-71	-65	-50
Lead	-99	-80	-50
Nitrogen Oxides (NO_x)	-58	-54	-49
Volatile Organic Compounds (VOC)	-54	-41	-19
Direct PM_{10}	-57	-17	-14
Direct $PM_{2.5}$	---	-24	-32
Sulfur Dioxide	-86	-84	-77

The pages that follow illustrate these changes in concentrations and emissions, using the most recent data available. Each concentration chart includes the level of the current NAAQS and mean, as well as the 10th and 90th percentiles over at least 15 years. As noted previously, nitrogen oxides and volatile organic compounds are precursor emissions for ground-level ozone formation.

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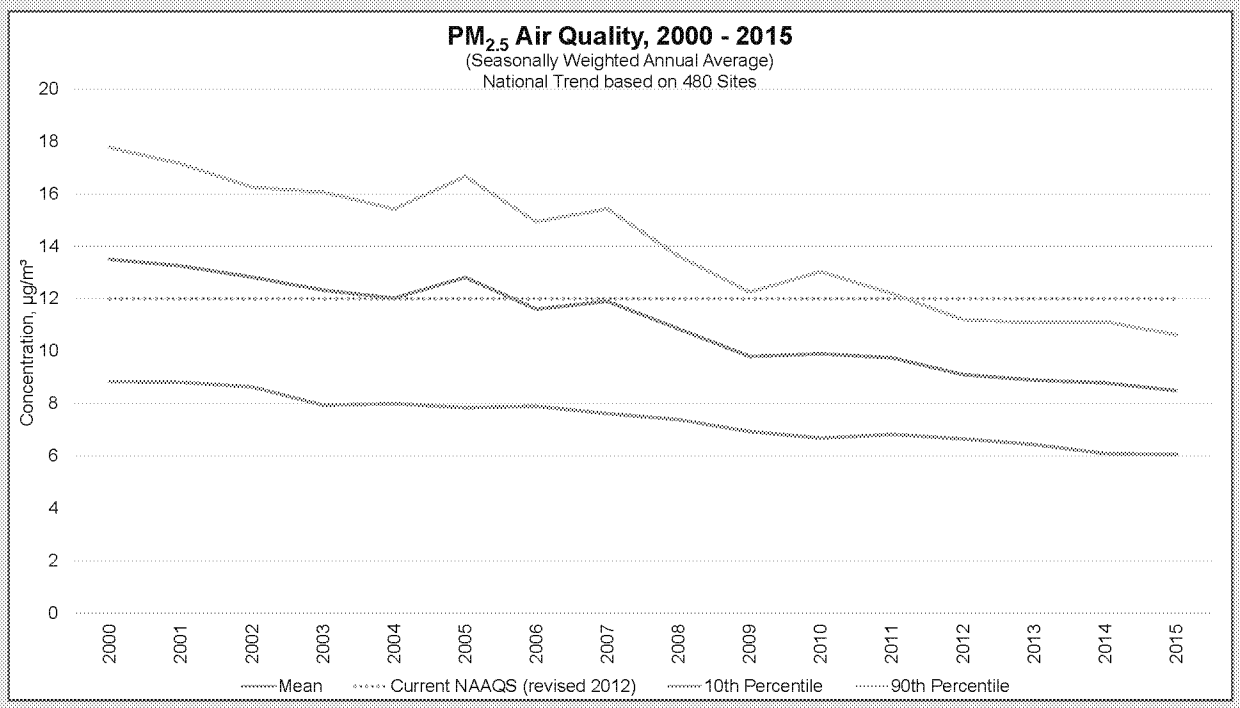
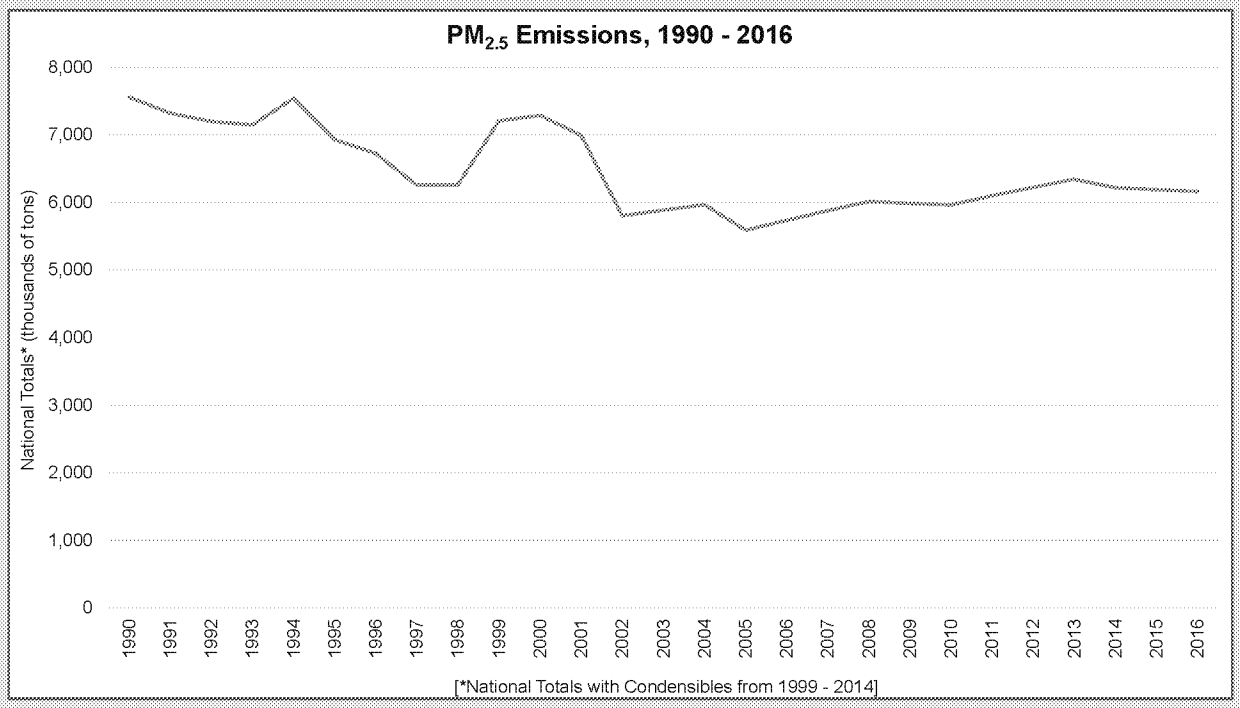
Fine Particulate Matter



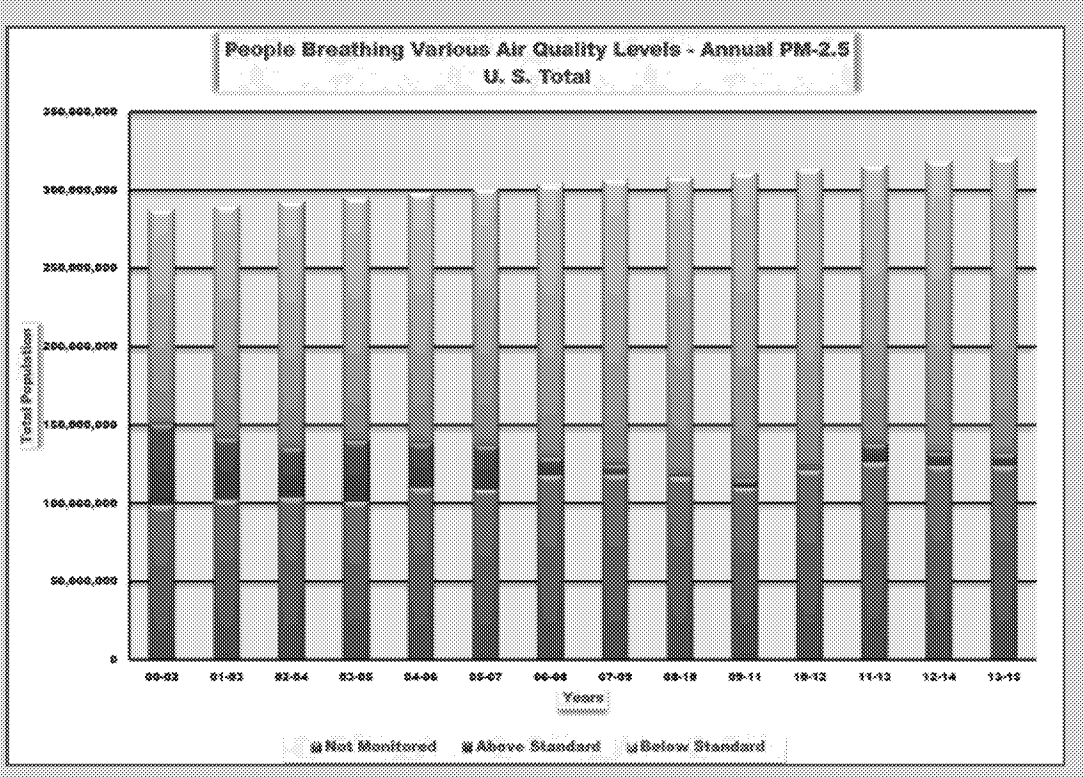
Source: U.S. EPA, **Particulate Matter ($PM_{2.5}$) Trends.**



Source: U.S. EPA, **Air Pollutant Emissions Trends Data.** Data file: Average Annual Emissions.

The States' View of the Air

The Indiana Department of Environmental Management (IDEM) recently released the 2017 edition of *The States' View of the Air* report. The report highlights the air quality in counties and cities in the United States. Like a report card, IDEM has graded areas on the state of their air quality under the federal standards for ozone and fine particles. This report shows the percentage of the population breathing fine particulate matter and ozone at levels above or below the standard as well as areas that are not monitored.



Source: Assistant Commissioner Keith Baugues, IDEM, ***The States' View of the Air***, April 2017.

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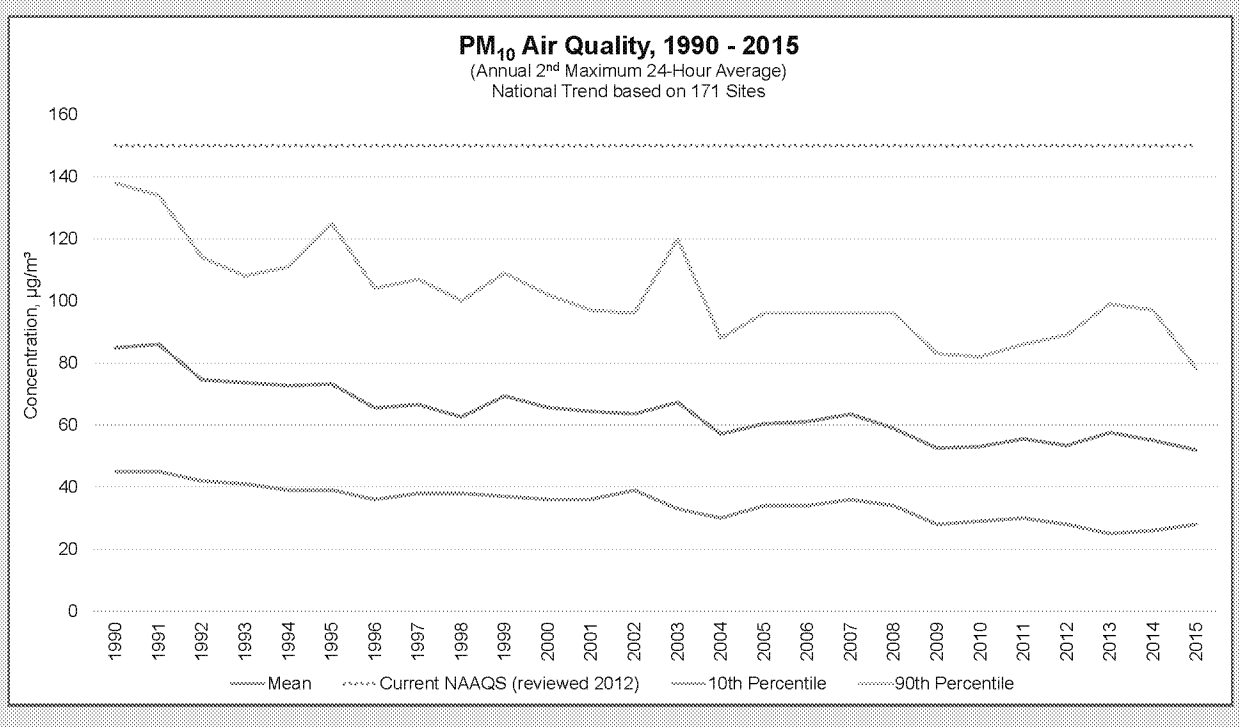
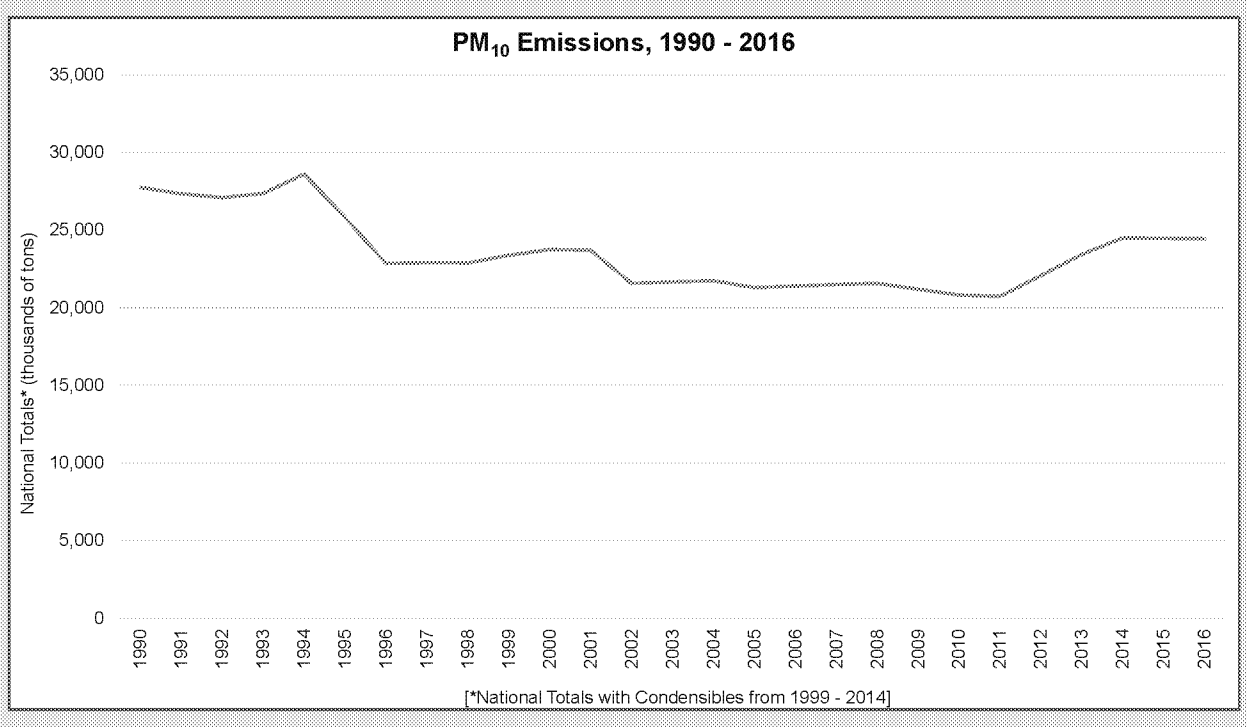
Coarse Particulate Matter

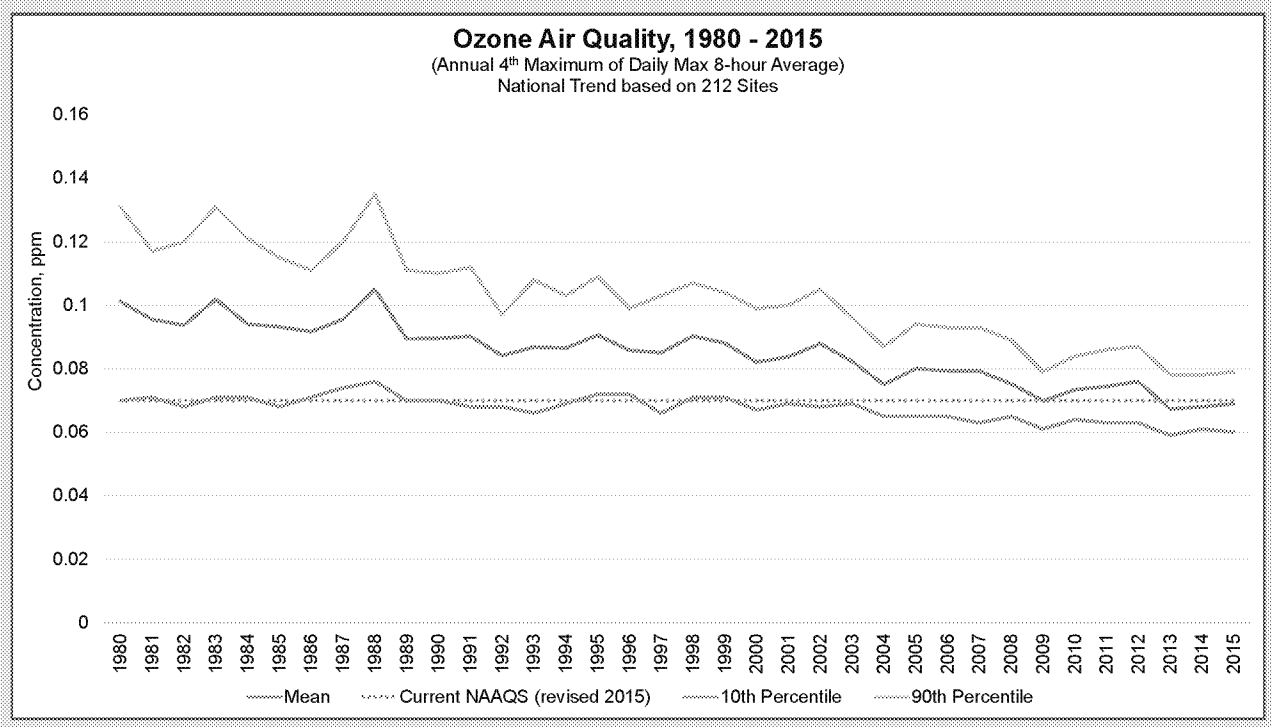


Source: U.S. EPA, **Particulate Matter (PM_{10}) Trends.**



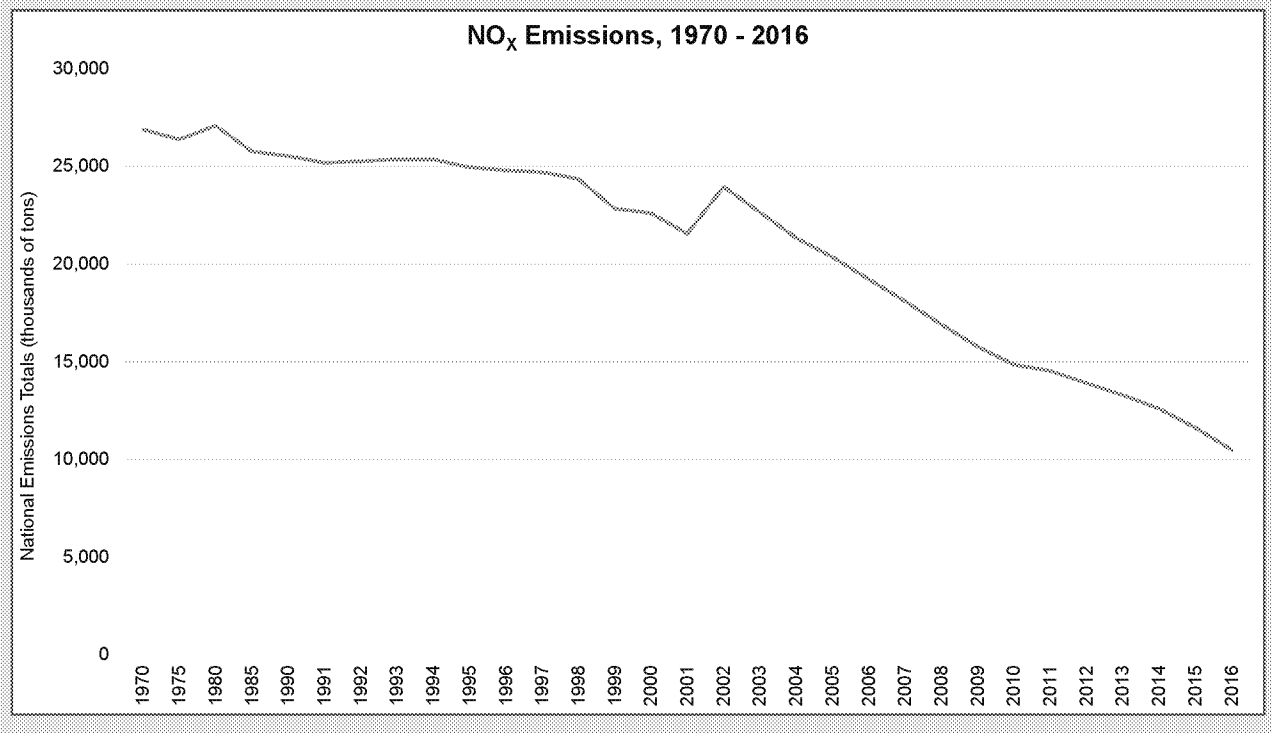
Source: U.S. EPA, **Air Pollutant Emissions Trends Data.** Data file: Average Annual Emissions.

Ozone

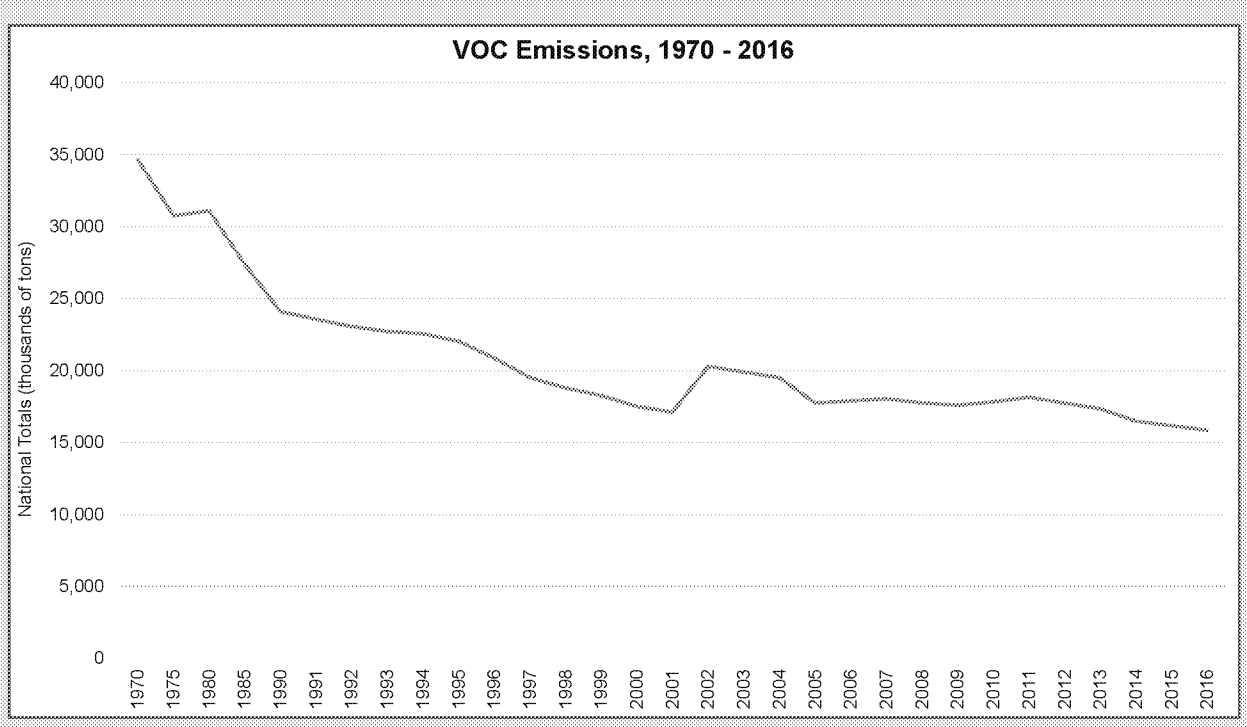


Source: U.S. EPA, **Ozone Trends.**

Ozone Precursor Emissions

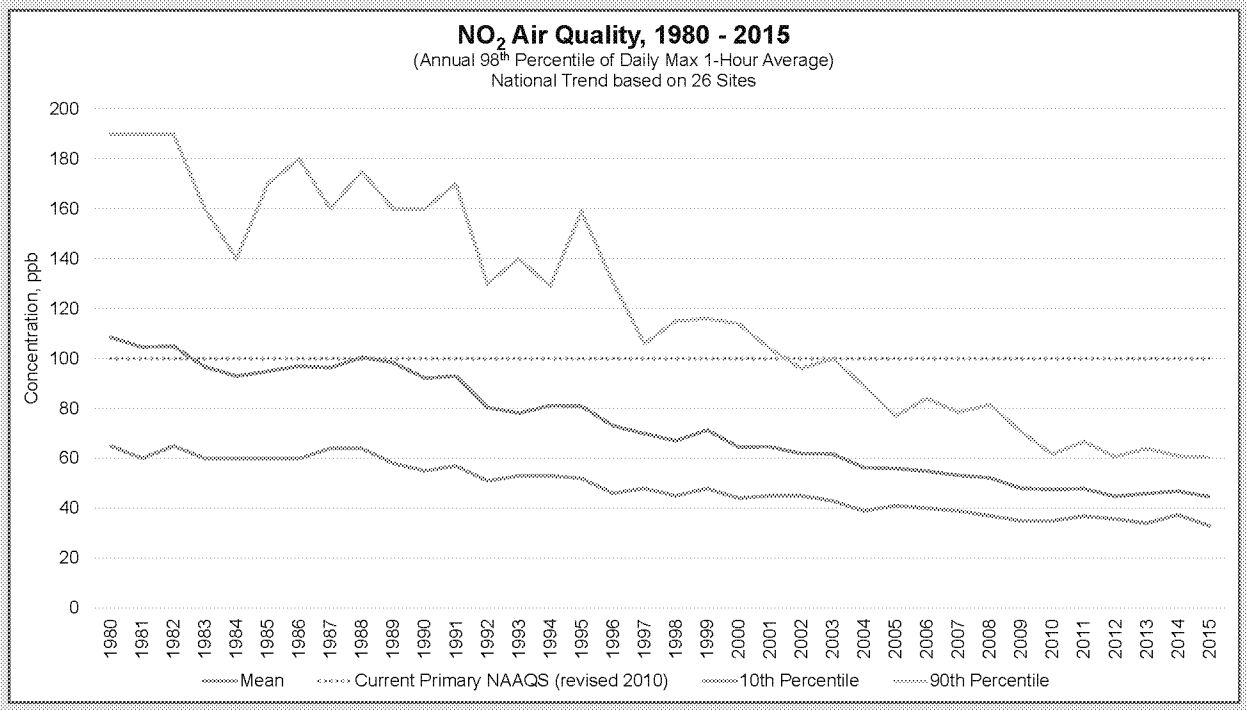


Source: U.S. EPA, **Air Pollutant Emissions Trends Data**. Data file: Average Annual Emissions.



Source: U.S. EPA, **Air Pollutant Emissions Trends Data**. Data file: Average Annual Emissions.

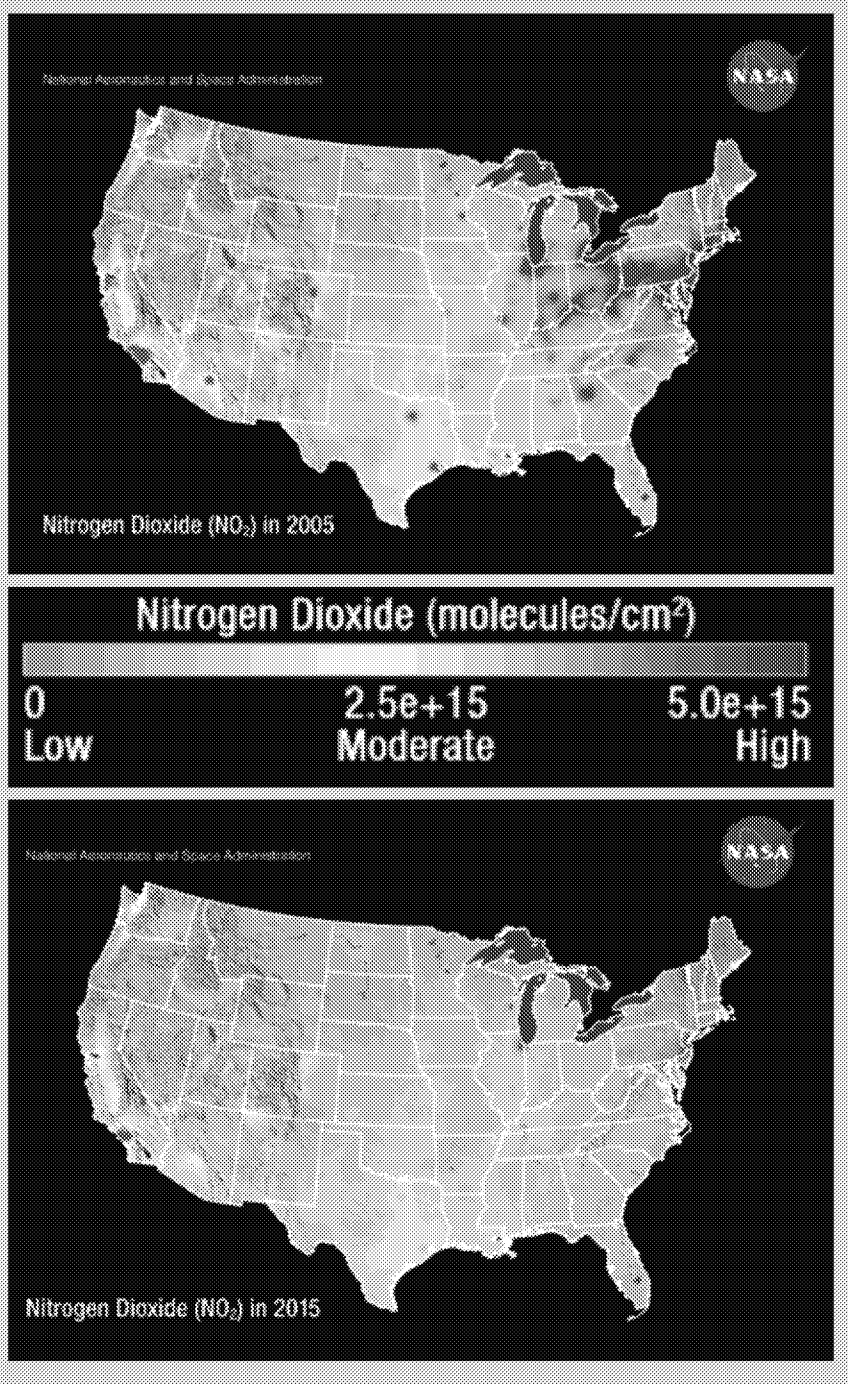
Nitrogen Dioxide



Source: U.S. EPA, **Nitrogen Dioxide Trends.**

Views from Space: NO_2 Trends in the U.S.

Using the Aura Ozone Monitoring Instrument, the Health and Air Quality Applied Sciences Team (HAQAST) at the National Aeronautics and Space Administration (NASA) mapped the annual mean observations of tropospheric NO_2, showing decreases from 2005 to 2015.



Source: **https://aura.gsfc.nasa.gov/images/outreach/NO2_2005-15_final.pdf**. More information on NASA's HAQAST can be found at: **www.haqast.org**.

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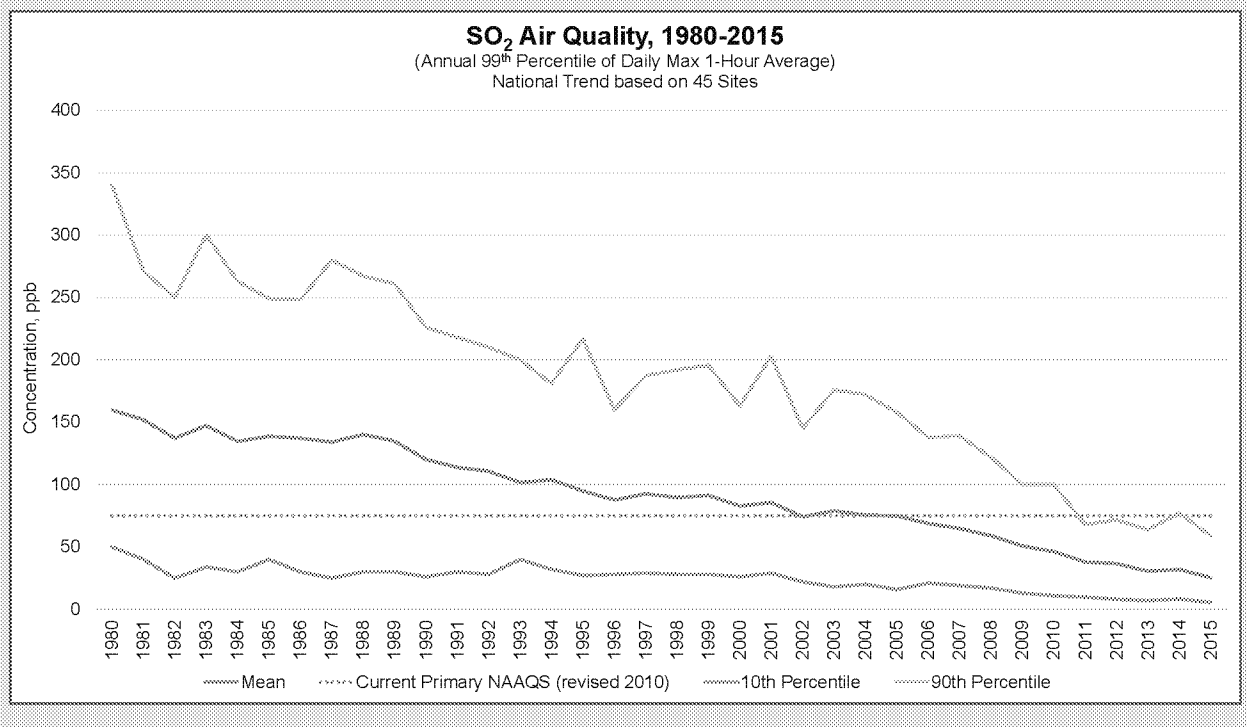
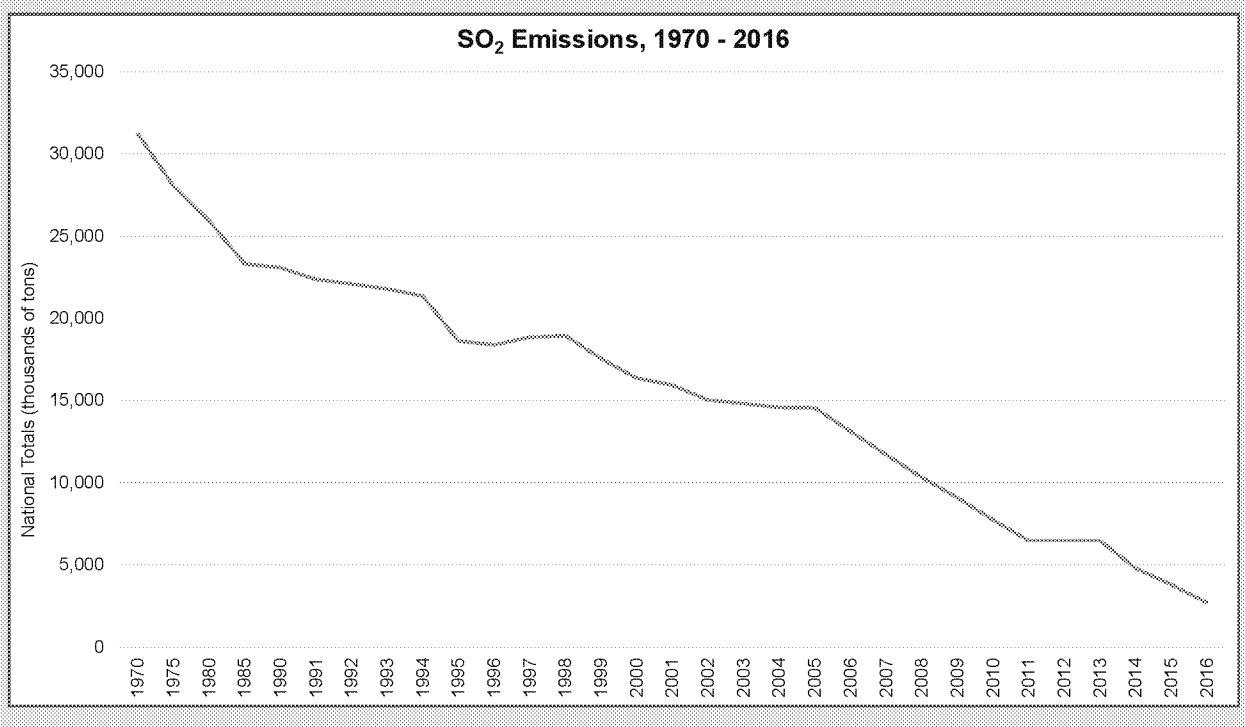
Sulfur Dioxide

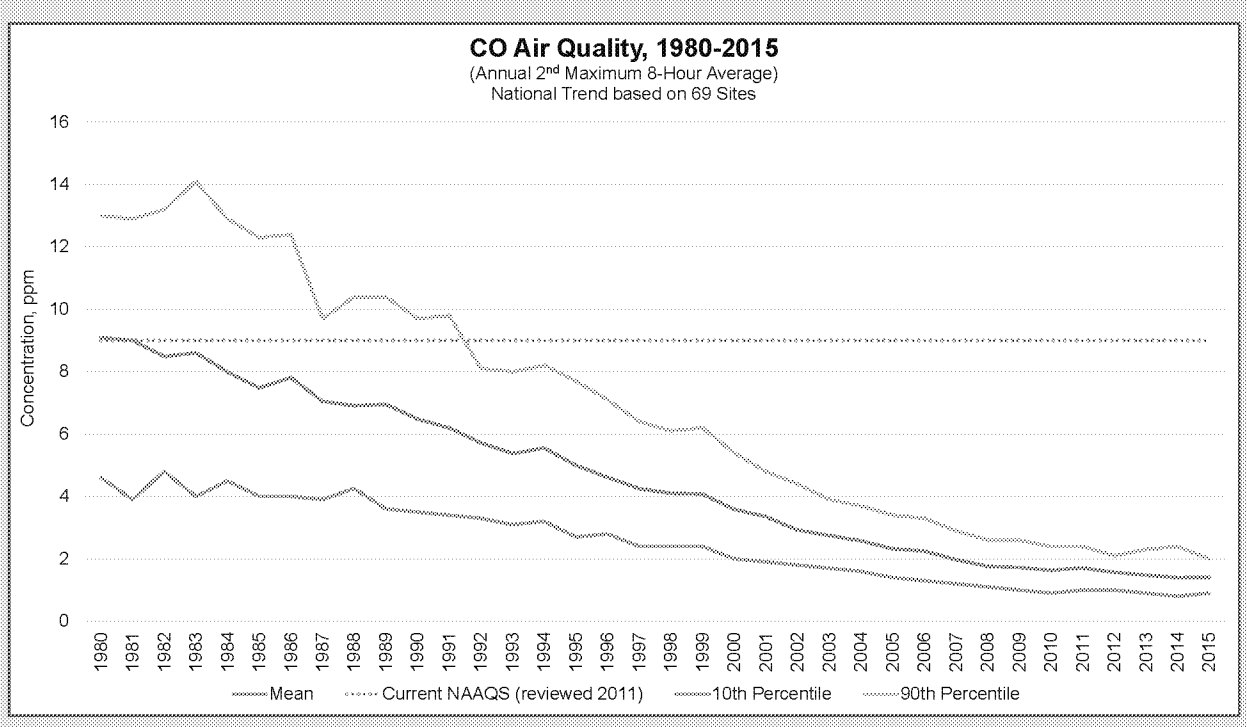


Source: U.S. EPA, **Sulfur Dioxide Trends.**

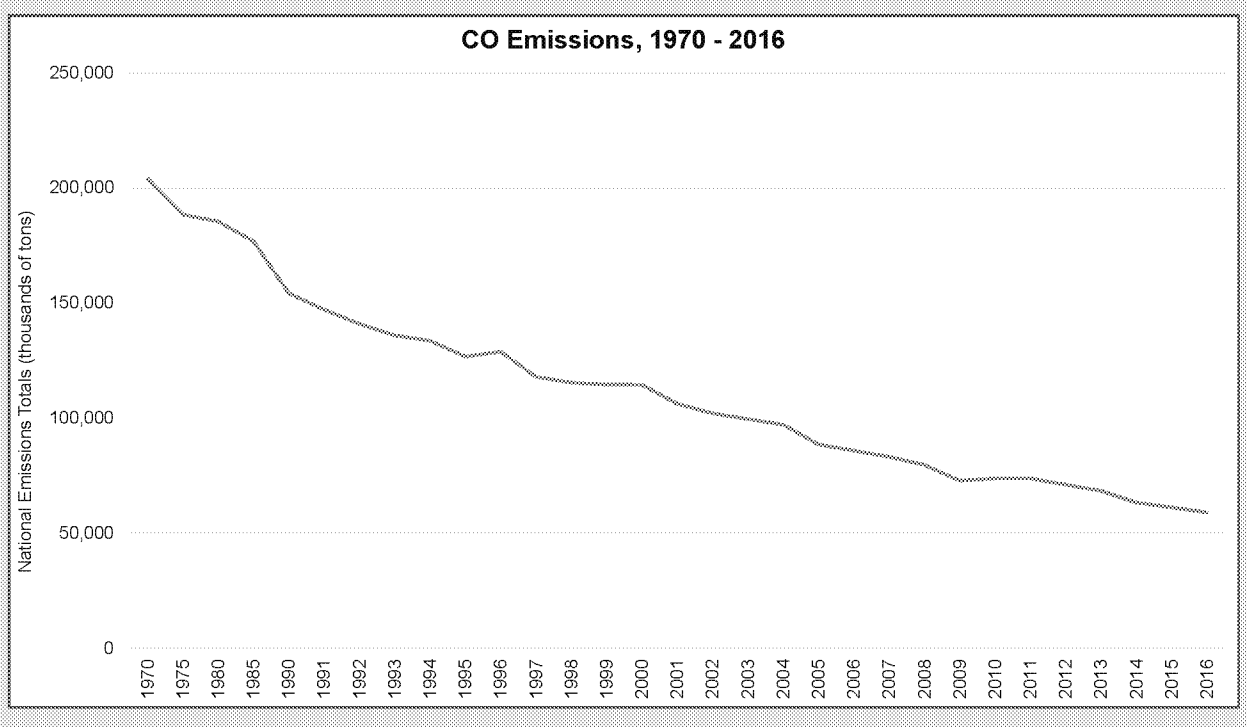


Source: U.S. EPA, **Air Pollutant Emissions Trends Data.** Data file: Average Annual Emissions.

Carbon Monoxide

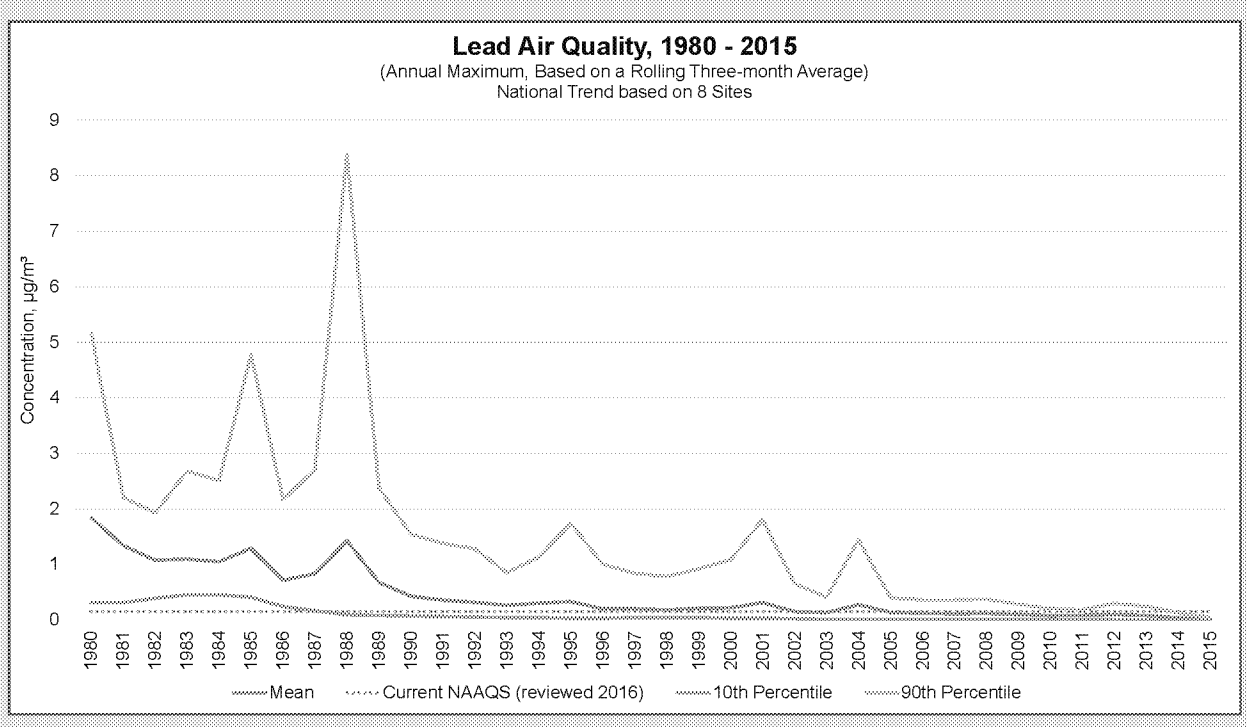


Source: U.S. EPA, **Carbon Monoxide Trends.**



Source: U.S. EPA, **Air Pollutant Emissions Trends Data**. Data file: Average Annual Emissions.

Lead

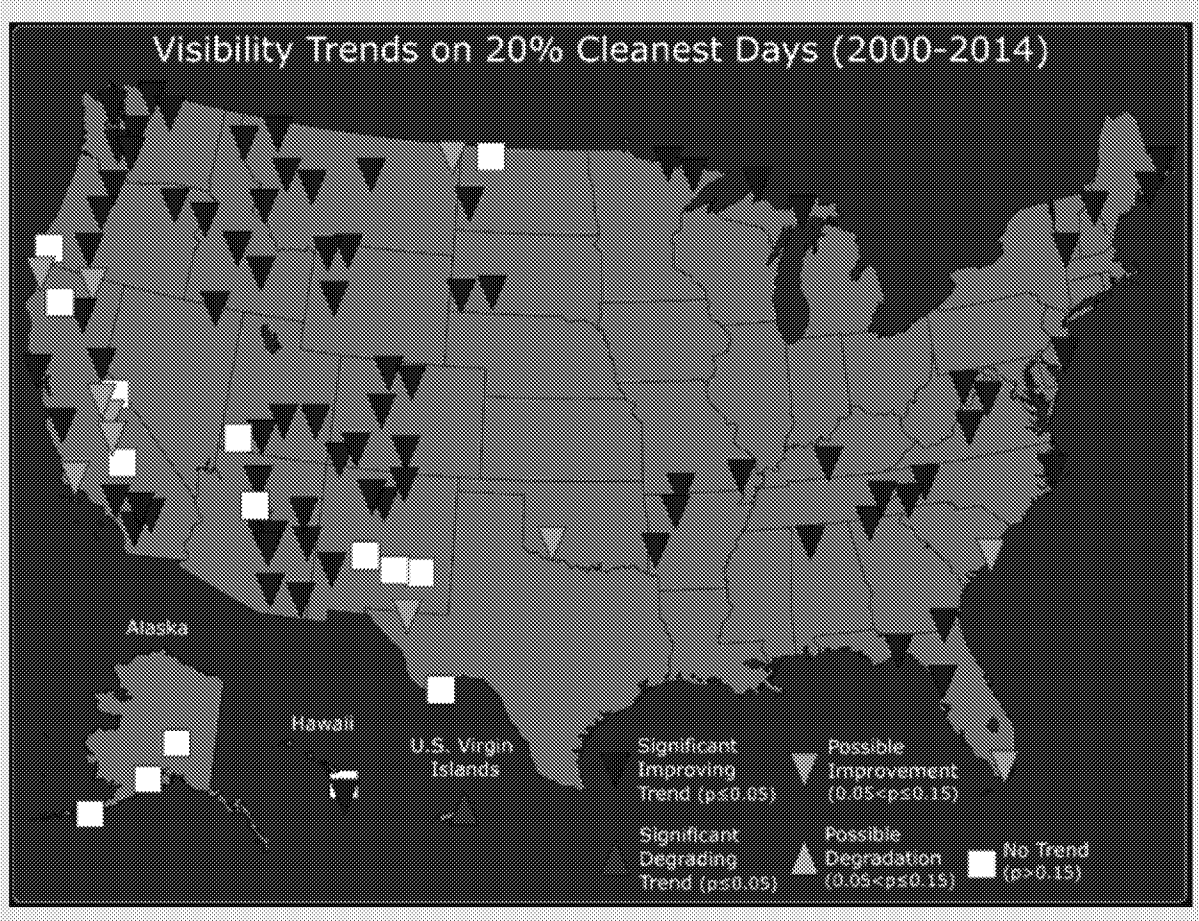


Source: U.S. EPA, **Lead Trends.**

VISIBILITY PROGRESS

Visibility is tracked in 156 national parks and wilderness areas (Class I Areas)[3] in the United States, with progress evaluated based on the 20 percent clearest and 20 percent most impaired days.[4] U.S. EPA's 2016 air trends report maps visibility trends from 2000 through 2014.

The majority of sites mapped for the 20 percent cleanest days displayed shows a "Significant Improving Trend."[5]



Source: U.S. EPA, ***Our Nation's Air: Status and Trends Through 2015***, Fall 2016. (Section: Visibility Improves in Scenic Areas).

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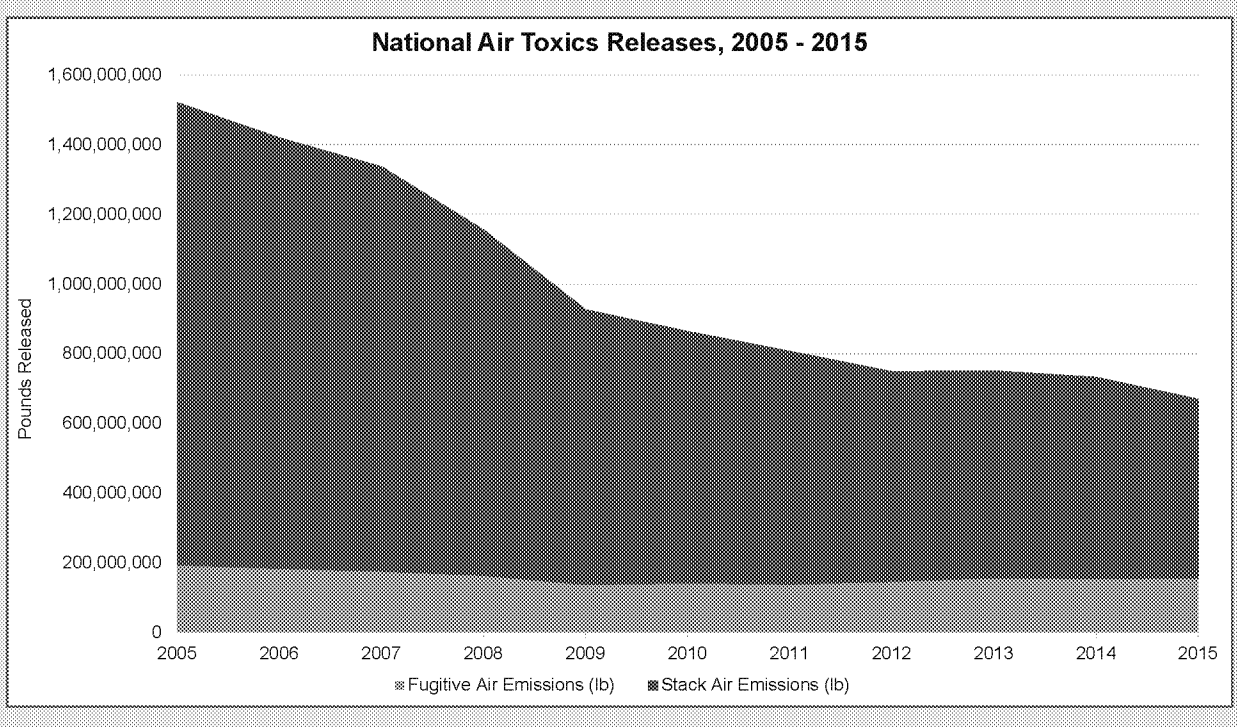
HAZARDOUS AIR POLLUTANT TRENDS

U.S. EPA tracks 187 hazardous air pollutants, or air toxics. The 2015 *Toxic Release Inventory National Analysis* documents a 56 percent reduction in air releases compared to 2005, from 1,520,015,772 pounds in 2005 to 668,893,312 pounds in 2015.[6] The Toxic Release Inventory tracks by point source and fugitive air emissions,[7] which are reported by industry to EPA as required by the Emergency Planning and Community Right-to-Know Act (EPCRA).[8] Nearly 22,000 facilities reported to the Toxic Release Inventory in 2015.



Source: U.S. EPA, ***2015 Toxic Release Inventory National Analysis***, January 2017.

In the 2014 *Report on the Environment*, U.S. EPA provided a summary of ambient concentrations of key air toxics.[9] U.S. EPA's 2011 National-scale Air Toxics Assessment (NATA), released in December 2016, notes that "[n]ationwide, the key pollutants that contribute most to overall cancer risks are formaldehyde, benzene, and acetaldehyde" and that "[m]onitoring data and emissions inventories show overall reductions in air toxics across the country as a result of Clean Air Act programs. Results from the 2011 NATA support this downward trend."[10]

Pollutant	Trend Period	Number of Trend Sites	Percent Change in Average Concentrations over Trend Record
Formaldehyde	2003 - 2013	69	17% decrease
Benzene	2003 - 2013	137	45% decrease
Acetaldehyde	2003 - 2013	67	28% decrease
Carbon tetrachloride	2003 - 2013	111	3% increase
1,3-Butadiene	2003 - 2013	109	53% decrease
Hexavalent chromium (in TSP)	2005 - 2012	14	45% decrease
Arsenic (in PM_{10})	2005 - 2013	23	39% decrease
Tetrachloroethylene	2003 - 2013	117	73% decrease

Recent Headlines from the U.S. Energy Information Administration

- **U.S. crude oil imports increased in 2016**, April 11, 2017
- **U.S. Energy-related carbon dioxide emissions decreased 2.7% in 2015**, March 16, 2017
- **Sulfur dioxide emissions from U.S. power plants have fallen faster than coal generation**, February 3, 2017
- **Power sector carbon dioxide emissions fall below transportation sector emissions**, January 19, 2017
- **Energy-related CO_2 emissions for first six months of 2016 are lowest since 1991**, October 12, 2016
- **Renewables share of North America electricity mix expected to rise**, August 2, 2016
- **Projected growth in CO_2 emissions driven by countries outside the OECD**, May 16, 2016
- **U.S. energy-related carbon dioxide emissions in 2015 are 12% below their 2005 levels**, May 9, 2016
- **Energy-related carbon dioxide emissions decreased in nearly every state from 2005 to 2013**, November 23, 2015
- **Vehicle standards around the world aim to improve fuel economy and reduce emissions**, October 30, 2015

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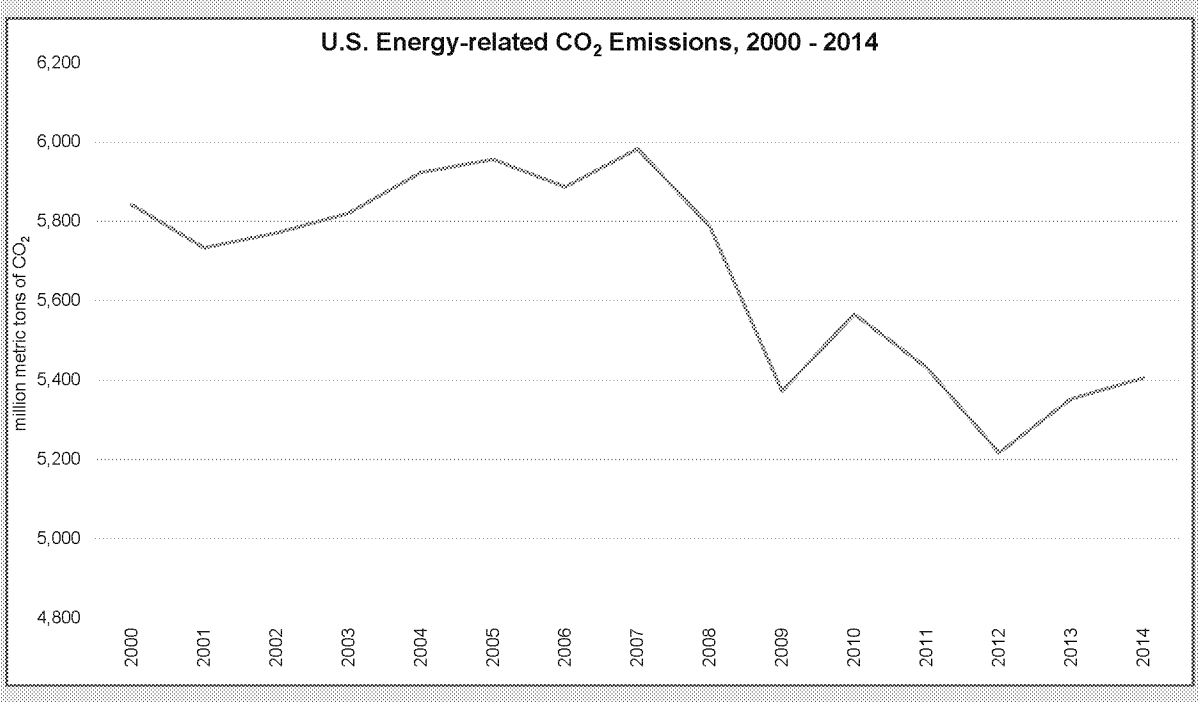
GREENHOUSE GAS TRENDS

Since 1990, U.S. EPA has reported "total annual U.S. emissions and removals by source, economic sector, and greenhouse gas" via the *Inventory of U.S. Greenhouse Gas Emissions and Sinks*. To compile the report, the Agency relies on "national energy data, data on national agricultural activities, and other national statistics to provide a comprehensive accounting of total greenhouse gas emissions for all man-made sources in the United States."[11]

Data from EPA's 2016 inventory showed that greenhouse gas "emissions in 2014 were 9 percent below 2005 levels," nearly one percent reduction per year on average of over that period.[12] When looking at a breakdown by greenhouse gas in 2014, CO_2 constituted approximately 81 percent of total greenhouse gas emissions; methane was second, representing about 11 percent of greenhouse gas emissions. From 1990 to 2014, methane emissions fell by 5.6 percent.[13]

The electricity sector accounts for about 30 percent of total greenhouse gas emissions.[14] Since the year 2000, energy-related CO_2 emissions have fallen 7.5 percent. U.S. EIA's January 2017 analysis *Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014* reports that per capita energy-related CO_2 emissions are down by more than 18 percent and energy intensity by state is down by nearly 22 percent.[15]



Source: U.S. EIA, ***Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014***, January 17, 2017.

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Section Notes

[1] The Air Quality – National Summary portion of EPA's 2016 Air Trends Report can be found at: **https://www.epa.gov/air-trends/air-quality-national-summary**.

[2] **https://www.epa.gov/air-trends/air-quality-national-summary#Emissions Trends**.

[3] A full list of Class I Areas, including the Federal Land Manager, can be found at **https://www.epa.gov/visibility/list-156-mandatory-class-i-federal-areas**.

[4] In addition to EPA, other Federal agencies responsible for addressing visibility are the National Park Service, the U.S. Forest Service, and the U.S. Fish and Wildlife Service.

[5] U.S. EPA, ***Our Nation's Air: Status and Trends Through 2015***, Fall 2016. (Section: Visibility Improves in Scenic Areas).

[6] U.S. EPA, ***2015 Toxic Release Inventory National Analysis***, January 2017.

[7] "Fugitive air emissions are all releases to air that don't occur through a confined air stream, such as equipment leaks, releases from building ventilation systems and evaporative losses from surface impoundments and spills. Point source air emissions, also called stack emissions, are releases to air that occur through confined air streams, such as stacks, ducts or pipes." **https://www.epa.gov/toxics-release-inventory-tri-program/descriptions-tri-data-terms-text-version#Air Releases (On Site)**.

[8] More information about EPCRA can be found at: **https://www.epa.gov/epcra**. EPA also notes that the Pollution Prevention Act "requires facilities to submit information on pollution prevention and other waste management activities of Toxic Release Inventory chemicals."

[9] U.S. EPA, ***Report on the Environment***, 2015. (Section: Ambient Concentrations of Selected Air Toxics).

[10] U.S. EPA, ***2011 NATA: Assessment Results***, 2016.

[11] U.S. EPA, **Greenhouse Gas Emissions**. U.S. EPA also states that the Agency "also collects greenhouse gas emissions data from individual facilities and suppliers of certain fossil fuels and industrial gases through the Greenhouse Gas Reporting Program."

[12] U.S. EPA, ***U.S. Greenhouse Gas Inventory Report: 1990-2014***, April 2016. The ***Draft Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2015*** was published online in early 2017. The draft inventory shows an additional 2.2 percent reduction in Greenhouse gas emissions from 2014 to 2015.

[13] U.S. EPA, "**Fast Facts from the Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2014**," April 2016.

[14] U.S. EPA, ***U.S. Greenhouse Gas Inventory Report: 1990-2014***, April 2016.

[15] U.S. EIA, ***Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2014***, January 17, 2017.

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Other Air Quality Resources

If you are interested in finding out more about air quality in your area, state and local air agencies are an outstanding resource. Below are links to AAPCA Member Agencies:

Alabama Department of Environmental Management
Arizona Department of Environmental Quality
Arkansas Department of Environmental Quality
Florida Department of Environmental Protection
Georgia Environmental Protection Division
Indiana Department of Environmental Management
Kentucky Department for Environmental Protection
Louisiana Department of Environmental Quality
Maine Department of Environmental Protection
Mississippi Department of Environmental Quality
Nevada Division of Environmental Protection
North Carolina Department of Environmental Quality
North Dakota Department of Health
Ohio Environmental Protection Agency
South Carolina Department of Health and Environmental Control
Tennessee Department of Environment & Conservation
Texas Commission on Environmental Quality
Virginia Department of Environmental Quality
West Virginia Department of Environmental Protection
Wyoming Department of Environmental Quality
Canton City Health Department (Ohio)
El Dorado County Air Quality Management District (California)
Forsyth County Office of Environmental Assistance and Protection (North Carolina)
Fort Worth Environmental Management Department (Texas)
Galveston County Health District (Texas)
Huntsville Division of Natural Resources and Environmental Management (Alabama)
City of Indianapolis (Indiana)
Jefferson County Department of Health (Alabama)
Knox County (Tennessee)
Louisville Metro Air Pollution Control District (Kentucky)
Manatee County Environmental Management Department (Florida)
Mecklenburg County (North Carolina)
Mojave Desert Air Quality Management District (California)
Nashville/Davidson Metro Public Health Department (Tennessee)
Omaha Air Quality Control (Nebraska)
San Joaquin Valley Air Pollution Control District (California)
Shelby County Health Department (Tennessee)
Toledo Division of Environmental Services (Ohio)
Ventura County Air Pollution Control District (California)
Western North Carolina Regional Air Quality Agency (North Carolina)
Yolo-Solano Air Quality Management District (California)

Additional Air Quality Resources
Indiana Department of Environmental Management's ***The States' View of the Air***
U.S. EPA's **Air Quality Trends** website
U.S. EPA's Nonattainment Areas for Criteria Pollutants (***Green Book***)
U.S. EPA's **Report on the Environment (ROE)** website
U.S. EPA's **Air Quality Index (AQI)**

ED_002402_00013881-00048

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 11/15/2017 8:54:50 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: Spencer, Stuart [SPENCER@adeq.state.ar.us]; sean.alteri@ky.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f999b3b9716c4924b5cbb9c4cdf645d0-sean.alteri@ky.gov]; Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Hale, Michelle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cb99f5247ab8412fa017133839301fee-Hale, Miche]; Hupp, Millan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=92cac7b684b64f90953b753a01bee0d5-Hupp, Milla]
Subject: Invitation to Present at AAPCA's Spring Meeting, April 4 - 6 in Lexington, KY
Attachments: Administrator Pruitt Invite - AAPCA 2018 Spring Meeting.pdf

Administrator Pruitt,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), thank you for the recent opportunities to engage with U.S. EPA and provide feedback on critical Clean Air Act issues. AAPCA is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. The Association represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. AAPCA is based in Lexington, Kentucky as an affiliated association of The Council of State Governments (CSG).

We are writing to invite you to attend and present at AAPCA's 2018 Spring Meeting, which will be held in Lexington, Kentucky from April 4 – 6. More information is available in the enclosed invitation from 2018 AAPCA President Stuart Spencer, Associate Director of the Arkansas Department of Environmental Quality, and 2017 AAPCA President Sean Alteri, Director of the Kentucky Division for Air Quality. Regular attendance by senior U.S. EPA officials at Association meetings has been greatly valued by our membership. AAPCA's 2017 Fall Business Meeting included participation from over 150 attendees, including senior air officials from more than 30 state and local environmental agencies. Participants also included nearly 40 U.S. EPA staff from the Offices of Air and Radiation, Research and Development, Inspector General, and Enforcement and Compliance Assurance, as well as several EPA regions. Our members would be especially interested in hearing from you and your staff about recent and forthcoming Clean Air Act issues, cooperative federalism, and opportunities to work together on issues like NAAQS nonattainment, interstate transport, air toxics, and resource priorities.

Please let me know if you have any questions about AAPCA's 2018 Spring Meeting, or if we can serve as a resource on any Clean Air Act issues in the future.

Thanks so much for your consideration, and we look forward to seeing you in Lexington!

Jason E. Sloan
Policy and Membership Associate
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
Ex. 6 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 SPRING MEETING

April 4–6 | Hilton Lexington/Downtown | Lexington, Kentucky

November 15, 2017

Administrator Scott Pruitt
U.S. Environmental Protection Agency (EPA)
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, DC 20460

Dear Administrator Pruitt,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we would like to invite you to attend and speak at AAPCA's 2018 Spring Meeting, which will be held at the Hilton Lexington/Downtown in Lexington, Kentucky from April 4 – 6, 2018. AAPCA is a consensus-driven organization representing state and local air agencies on technical Clean Air Act issues. Regular attendance by senior U.S. EPA officials at previous Association meetings has been greatly valued by our membership.

More information on AAPCA's Spring Meeting will be available shortly on our website (www.cleanairact.org). On April 6, 2018, the meeting is closed to the press and programming is limited to federal, state, and local agency personnel and their multijurisdictional organizations (with non-governmental attendees participating in the first two days). AAPCA's 2017 Fall Business Meeting included participation from more than 150 attendees, including senior officials from approximately 30 state and local air agencies, as well as nearly 40 staff from U.S. EPA.

Thank you for your consideration of our request. If your schedule permits, AAPCA's members look forward to seeing you in Lexington and discussing opportunities to work together on Clean Air Act issues.

Sincerely,

Stuart Spencer
Associate Director
Arkansas Department of Environmental Quality
2018 President, AAPCA

Sean Alteri
Director
Kentucky Division for Air Quality
2017 President, AAPCA

Message

From: Clint Woods [cwoods@csg.org]
Sent: 3/6/2017 5:19:14 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: sean.alteri@ky.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f999b3b9716c4924b5cbb9c4cdf645d0-sean.alteri@ky.gov]; spencer@adeq.state.ar.us; Vivian.Aucoin@LA.Gov; sheila.holman@ncdenr.gov; Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Dravis, Samantha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ece53f0610054e669d9dffe0b3a842df-Dravis, Sam]; Sugiyama, George [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f8db82515f204fc3bdfa8b4dc81dd149-Sugiyama, G]; Kreutzer, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=52652127f1174690a5223b2a6df21968-Kreutzer, D]
Subject: Introduction & Invitation to Present at AAPCA's 2017 Annual Business Meeting, September 20 – 22 in Raleigh, NC
Attachments: Administrator Pruitt Invite - 2017 AAPCA Fall Business Meeting - 3-6-2017 .pdf; Introduction to AAPCA - 03-2017.pdf

Administrator Pruitt,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), congratulations on your recent confirmation. We look forward to working with you and your team on Clean Air Act issues, and state and local air agencies applaud your enthusiasm for cooperative federalism. AAPCA is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. The Association represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. AAPCA is based in Lexington, Kentucky as an affiliated association of the Council of State Governments (CSG).

We write to invite you to attend and present at AAPCA's 2017 Annual Business Meeting, which will be held in Raleigh, North Carolina from September 20 to 22. More information is available in the enclosed invitation from AAPCA President Sean Alteri, Director of the Kentucky Division for Air Quality. Regular attendance by senior U.S. EPA officials at previous Association meetings has been greatly valued by our membership. AAPCA's 2016 meeting included participation from over 120 attendees, including senior air officials from more than 25 state and local environmental agencies as well as roughly 40 U.S. EPA staff from regional offices and the Offices of Air and Radiation, General Counsel, and Enforcement and Compliance Assurance. Our members would be especially interested in hearing from you and your staff about recent and forthcoming Clean Air Act issues, cooperative federalism, and opportunities to work together on issues like NAAQS nonattainment, interstate transport, air toxics, and resource priorities.

As additional background on our Association, we have also enclosed a short introduction to AAPCA, which includes: information on AAPCA members and their footprint; contact information for officers, technical committees, and the Association; and links to information on recent and upcoming meetings, timelines, surveys, consensus comments, resource pages of state and local agency comments on key rulemakings, and upcoming projects.

Please let me know if you have any questions about AAPCA's Annual Business Meeting, or if we can serve as a resource on any Clean Air Act issues in the future.

Thanks so much for your consideration, and we look forward to seeing you in Raleigh!

Clint Woods
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511

859.244.8040 – office
cwoods@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2017 FALL BUSINESS MEETING

September 20–22 | Doubletree by Hilton | Raleigh, North Carolina

March 6, 2017

Administrator Scott Pruitt
U.S. Environmental Protection Agency (EPA)
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, DC 20460

Administrator Pruitt,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), I would like to invite you to attend and speak at AAPCA's 2017 Annual Business Meeting, which will be held at the Doubletree by Hilton in Raleigh, North Carolina from September 20 to 22. AAPCA is a consensus-driven organization representing state and local air agencies on technical Clean Air Act issues. Regular attendance by senior U.S. EPA officials at previous Association meetings has been greatly valued by our membership.

More information on AAPCA's Annual Business Meeting will be available shortly on our website (www.cleanairact.org). The meeting is closed to the press and programming on September 22 should be limited to federal, state, and local agency personnel and their multi-jurisdictional organizations (with non-governmental attendees participating in the first two days). AAPCA's 2016 meeting included participation from over 120 attendees, including senior air officials from more than 25 state and local air agencies as well as roughly 40 U.S. EPA staff from the Offices of Air and Radiation, General Counsel, and Enforcement and Compliance Assurance.

Thank you for your consideration. If your schedule permits, AAPCA's members look forward to seeing you in Raleigh and discussing opportunities to work together on Clean Air Act issues.

Sincerely,

Sean Alteri
Director, Division of Air Quality
Commonwealth of Kentucky
2017 AAPCA President

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

Introduction to AAPCA

The Association of Air Pollution Control Agencies (AAPCA) is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. AAPCA's members work collaboratively on behalf of states and the communities they protect to act as a conduit for and provide feedback to federal regulators on air quality rules that have significant impacts across the entire nation. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. AAPCA is housed in Lexington, Kentucky as an affiliated association of the Council of State Governments (CSG).

Association of Air Pollution Control Agencies | 1776 Avenue of the States | Lexington, Kentucky 40511
www.cleanairact.org | @AAPCA_States

State Environmental Agencies Currently Represented on AAPCA's Board of Directors

Alabama | Arizona | Arkansas | Florida

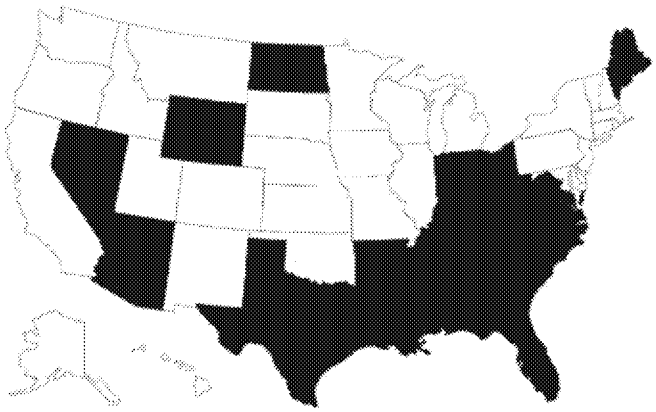
Georgia | Indiana | Kentucky | Louisiana

Maine | Mississippi | Nevada

North Carolina | North Dakota | Ohio

South Carolina | Tennessee | Texas

Virginia | West Virginia | Wyoming



Footprint of AAPCA State Members

State members of AAPCA's Board of Directors have primary responsibility for air quality for a segment of the country that represents:

- Over 140 million Americans, nearly half of the U.S. population;
- More than 45 percent of U.S. Total Manufacturing Output; and,
- 60 percent of total energy production in the United States.

2017 AAPCA Officers and Technical Committees

President | Sean Alteri, Kentucky Division for Air Quality, (502) 564-3999
Vice President | Stuart Spencer, Arkansas Department of Environmental Quality, (501) 683-0873
Secretary/Treasurer | Vivian Aucoin, Louisiana Department of Environmental Quality, (225) 219-3417
Past President | Sheila Holman, North Carolina Department of Environmental Quality, (919) 707-8430

AAPCA's members participate on eleven technical committees that provide information-sharing forums for agency personnel on the following topics: Training; Best Practices; NAAQS/SIP; Modeling; Emission Inventory; Local Government; Ambient Monitoring; Compliance, Enforcement, and Testing; Permitting and New Source Review (NSR); Energy; and Public Outreach & Information.

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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

Recent and Forthcoming AAPCA Activities

Meetings

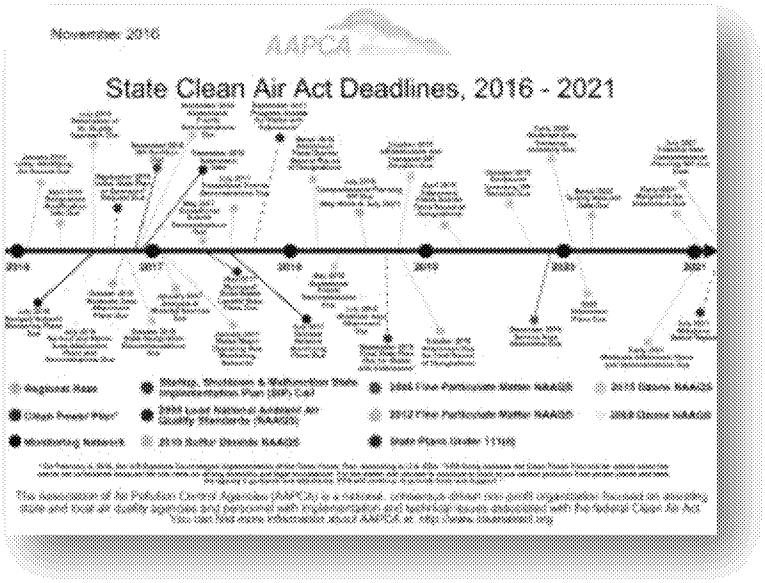
AAPCA's membership meetings offer a premier venue to engage with senior air quality officials from state and local agencies, and U.S. EPA. In 2017, AAPCA will host two in-person meetings:

- Spring Meeting, March 27 – 29, Tucson, Arizona
- Annual Business Meeting, September 20 – 22, Raleigh, North Carolina

Timelines and Factsheets

AAPCA has recently released several timelines and factsheets:

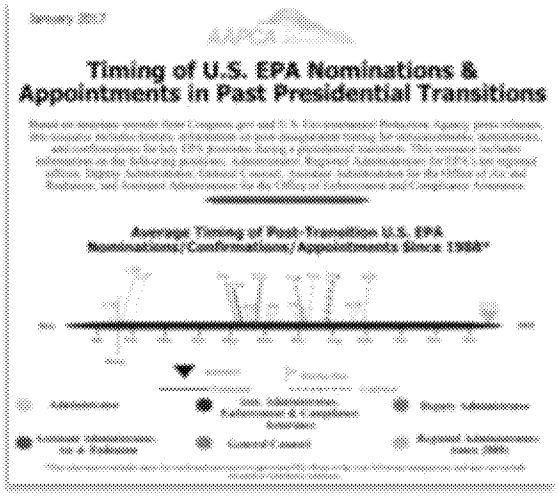
- State Clean Air Act Deadlines, 2016 - 2021 (updated November 2016):



- In December 2016, AAPCA released an updated timeline, Forthcoming & Initiated Clean Air Act Regulatory Actions, 2016 - 2020.

- Timing of U.S. EPA Nominations & Appointments in Past Presidential Transitions (January 2017)

- In October 2016, AAPCA released a fact sheet, Preparing for Personal Air Sensors: Definition, Opportunities, and Data Limitations.



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Consensus Comments

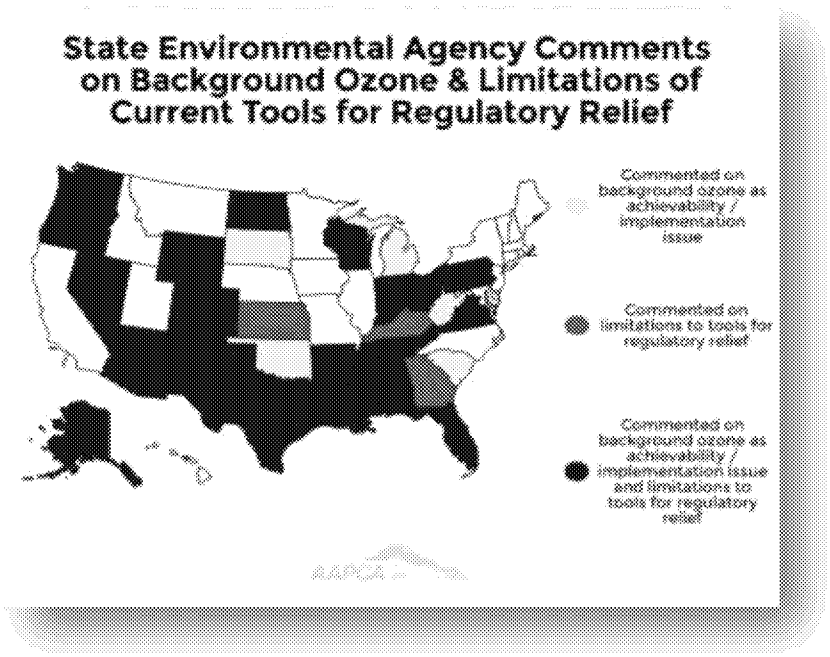
AAPCA has recently provided feedback to U.S. EPA on several topics: data display issues on U.S. EPA's Enforcement and Compliance History Online (September 2016); the list of candidates for U.S. EPA's Science Advisory Board Ad Hoc Committee for Review of the *Screening Methodologies to Support Risk and Technology Reviews (RTR): A Case Study Analysis* (November 2016); the proposed Regional Haze Rule Amendments (August 2016); the list of candidates for U.S. EPA's Clean Air Scientific Advisory Committee (July 2016); the proposed Revision to the Near-Road NO_2 Minimum Monitoring Requirements (June 2016); and Treatment of Data Influenced by Exceptional Events and draft Guidance on the Preparation of Exceptional Events Demonstrations for Wildfire Events that May Influence Ozone (February 2016).

AAPCA has also requested extension of the public comment periods for U.S. EPA's: draft Guidance on Modeled Emission Rates for Precursors and $PM_{2.5}$ Precursor Demonstration (January 2017); Implementation of the 2015 National Ambient Air Quality Standards for Ozone: Nonattainment Area Classifications and State Implementation Plan Requirements, (December 2016); Draft Guidance on Significant Impact Levels for Ozone and Fine Particles in the Prevention of Significant Deterioration Permitting Program (September 2016); and Protection of Visibility: Amendments to Requirements for State Plans (June 2016).

Surveys of State Perspectives

AAPCA also conducts surveys of state agency perspectives:

- Perspectives on EPA's Clean Air Scientific Advisory Committee (April 2016)
- State Environmental Agency Perspectives on Timely NAAQS Implementation (September 2015)
- State Environmental Agency Perspectives on Background Ozone & Regulatory Relief (June 2015)



Resource Pages

AAPCA has compiled state and local agency comments on recent Clean Air Act issues, including: Response to December 9, 2013 CAA Section 176A Petition From Connecticut, Delaware, Maryland, Massachusetts, New Hampshire, New York, Pennsylvania, Rhode Island and Vermont (comment deadline: April 13, 2017); Preliminary Interstate Ozone Transport Modeling Data for the 2015 Ozone National Ambient Air Quality Standard (NAAQS) (comment deadline: April 6, 2017); Implementation of the 2015 NAAQS for Ozone: Nonattainment Area Classifications and State Implementation Plan Requirements (comment period closed 2/13/2017); Protection of Visibility: Amendments to Requirements for State Plans (final rule published 1/10/2017); Cross-State Air Pollution Rule Update for the 2008 Ozone National Ambient Air Quality Standards ("CSAPR Update"; final rule published 10/26/2016); Proposed Exceptional Events Rule Revisions & Draft Wildfire Guidance (final rule published 10/3/16); Startup, Shutdown and Malfunction State Implementation Plan Call ("SSM SIP Call"; final action published 5/22/2015); the Volkswagen litigation and mitigation; and personal air sensors.

Forthcoming Projects

In 2017, AAPCA and the Council of State Governments are developing a joint project, entitled States at the Tables: Engaging Energy and Environmental Federal Advisory Committees. This portal will serve as a comprehensive resource for state leaders from all three branches of government regarding opportunities to interact with federal energy and environmental agencies through Federal Advisory Committees. More information will be available at: www.cooperativefederalism.org.

In April 2017, AAPCA anticipates releasing a report entitled *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*, which compiles indicators and metrics to illustrate the progress of air pollution control in the United States.

Message

From: Lynn Sutton [Ex. 6] Sent You a Personal Message [automail@knowwho.com]
Sent: 4/12/2018 11:05:30 AM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
Subject: EPA Administrator Scott Pruitt: Resign

Dear EPA Administrator Scott Pruitt,

By recklessly moving to dismantle critical health protections like the Clean Power Plan and clean water protections, rejecting standards that would reduce methane pollution, allowing dangerous chemicals to remain on the market, and advocating for the United States to abdicate its leadership role in the global clean energy economy, you are deliberately defying the wishes of the American people and undermining the mission of the EPA. Moreover, you have wasted tens of thousands of taxpayer dollars on luxury first-class and business-class plane tickets and chartered jets, sparking investigations into your stewardship of the public trust raising concerns among Congressional Republicans and Democrats alike.

It's clear where your priorities lie, Administrator Pruitt - with polluters and your political benefactors, not American families.

For your numerous ethical breaches, alarming dirty dealings with polluters and the irreparable damage that you've done to our health and environment, you must resign immediately.

Sincerely,

Lynn Sutton

Ex. 6

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.

Message

From: Stanley Pohlit Ex. 6
Sent: 2/9/2018 2:19:40 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
Subject: [DMARC Fail] Revoke registration of dicamba on soy

Scott Pruitt,

Thanks to a sharp increase in the use of dicamba — driven up by widespread planting of Monsanto's herbicide-resistant "Xtend" soy — farmers across 20 states have reported more than 2,200 incidents of drift damage an estimated 3.1 million acres of land. This is unacceptable.

Even when farmers use Monsanto's recently approved "Xtendimax" formulation of dicamba exactly as directed, the chemical is volatilizing and causing devastating drift damage in neighboring fields.

I urge you to halt this epidemic of crop damage and immediately revoke registration of all dicamba formulations for use on soy.

Thank you.

Stanley Pohlit

Ex. 6

Message

From: Stanley Pohlit [Ex. 6]
Sent: 1/26/2018 3:19:33 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
Subject: [DMARC Fail] Revoke registration of dicamba on soy

Scott Pruitt,

Thanks to a sharp increase in the use of dicamba — driven up by widespread planting of Monsanto's herbicide-resistant "Xtend" soy — farmers across 20 states have reported more than 2,200 incidents of drift damage an estimated 3.1 million acres of land. This is unacceptable.

Even when farmers use Monsanto's recently approved "Xtendimax" formulation of dicamba exactly as directed, the chemical is volatilizing and causing devastating drift damage in neighboring fields.

I urge you to halt this epidemic of crop damage and immediately revoke registration of all dicamba formulations for use on soy.

Thank you.

Stanley Pohlit

Ex. 6

Message

From: Timothy McMillin [Ex. 6]
Sent: 4/28/2017 5:52:02 PM
To: Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
Subject: Take Action on the Renewable Fuel Standard

Dear Administrator Pruitt,

Despite the promises made by this administration to end harmful regulations, we have yet to see action on the Renewable Fuel Standard (RFS) - the failed policy that has had unintended consequences for our country and for consumers.

While the RFS was passed with good intentions, the ethanol mandates put American boaters, bikers, drivers and power equipment owners at risk of misfueling. Because of the RFS, Americans face costly, warranty-voiding engine damage such as overheating, unintentional clutch engagement and metal corrosion.

For the best interest of our citizens, it's time to take action on the ethanol mandates.

Sincerely,

Timothy McMillin

Ex. 6

Message

From: Knollemagnetrans [ernst@knollemagnetrans.com]
Sent: 8/25/2017 4:58:34 AM
To: Donald J. Trump [info@nrccvictory.com]; Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: American Coal Council [jgellici@americancoalcouncil.org]; pr@peabodyenergy.com
Subject: [SPAM] World CO2 Must Be Increased by 20 Million Tons/Year

Dear Mr. President and Dear Mr. Secretary,

That amount is necessary for life-sustaining internal body-functions of the 1.2% per year human population growth.

We can do that by digging up and returning to the air the carbon (coal) that was taken out of circulation millions of years ago, when very large animals (Dinosaurs, Saber-Tooth Tigers) and lush vegetation existed. Without further human assistance, but combined with oxygen (O), this carbon (C) then cycles back and forth as " Greenhouse Gas" (CO2) in plentiful quantities between plants and plant eaters, thereby avoiding starvation.

Note: Chemical elements (C, O, Au, etc) and also energy (Btu, Watt, etc) cannot be created or destroyed.

Let's make America great again.

Sincerely Yours,
Ernst

Ernst Knolle*, CEO
ernst@knollemagnetrans.com
www.knollemagnetrans.com
*PE Calif. Lic. 12372 and "Certificate of Recognition" for 50 years of service
Inventor: US Pats 3,320,903, 4,024,947, 6,122,578, 6,301,736
http://www.youtube.com/user/KnolleMagnetrans/videos

Message

From: APC Harris Relicensing [g2apchr@southernco.com]
Sent: 6/1/2018 4:02:13 PM
To: A. B. Heard (abheard@iclud.com) [abheard@iclud.com]; Jim Howard [Personal Email / Ex. 6]; Tucker, Alyson F. [ALFUQUA@southernco.com]; Alison Pruett (alison.pruett@bluestonetechnologies.net) [alison.pruett@bluestonetechnologies.net]; Amanda McBride - Alabama Historical Commission (Amanda.McBride@ahc.alabama.gov) [Amanda.McBride@ahc.alabama.gov]; Alison McCartney - Southeastern States Field Office U.S. Bureau of Land Management (amccartn@blm.gov) [amccartn@blm.gov]; Amy Silvano (amy.silvano@dcnr.alabama.gov) [amy.silvano@dcnr.alabama.gov]; Tracy Rice (au[Personal Email / Ex. 6] [a[Personal Email / Ex. 6]; Bart Roby ([Personal Email / Ex. 6]) [Ex. 6]; Tammy & Becca Baxter Chip (b[Personal Email / Ex. 6]m) [Personal Email / Ex. 6]; Eldred "Butch" Davis [Personal Email / Ex. 6] [Personal Email / Ex. 6]h]; Bill Pearson - U.S. Fish and Wildlife Service (bill_pearson@fws.gov) [bill_pearson@fws.gov]; Karen Mouritsen [blm_es_inquiries@blm.gov]; Bob and Tish Stone (bob.stone@smimail.net) [bob.stone@smimail.net]; Brian Atkins - Alabama Department of Economic and Community Affairs (Brian.Atkins@adeca.alabama.gov) [Brian.Atkins@adeca.alabama.gov]; Barry Smith [Personal Email / Ex. 6]; Butch Jackson [Personal Email / Ex. 6] [Personal Email / Ex. 6]; Curt Chaffin (cchaffin@alabamarivers.org) [cchaffin@alabamarivers.org]; Carl & Mary Ann Engstrom (cengstrom@centurytel.net) [cengstrom@centurytel.net]; Mary Lynn Chandler [Personal Email / Ex. 6]; Donnie Knight [Personal Email / Ex. 6] [Personal Email / Ex. 6]; Chris Greene - Alabama Department of Conservation and Natural Resources (chris.greene@dcnr.alabama.gov) [chris.greene@dcnr.alabama.gov]; Chris Smith - Alabama Department of Conservation and Natural Resources (chris.smith@dcnr.alabama.gov) [chris.smith@dcnr.alabama.gov]; chrisoberholster@birminghamauburn.org; Clark, Maria [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=641de6742d734d41a27c58dc85d22833-Clark, Maria]; Clint Lloyd - Auburn University Fisheries and Allied Aquaculture, Zoology, and Wildlife Sciences (clint.lloyd@auburn.edu) [clint.lloyd@auburn.edu]; Chris Johnson - Alabama Department of Environmental Management (cljohnson@adem.state.al.us) [cljohnson@adem.state.al.us]; Cindy Lowry - Alabama Rivers Alliance (clowry@alabamarivers.org) [clowry@alabamarivers.org]; Coty Brown [coty.brown@alea.gov]; Crystal Davis [crystal.davis@adeca.alabama.gov]; Crystal Waldrop [Personal Email / Ex. 6] [Personal Email / Ex. 6]; Crystal Barnes (crystal@hunterbend.com) [crystal@hunterbend.com]; Dale Rose [Ex. 6]h]; Damon Abernathy - Alabama Department of Conservation and Natural Resources (damon.abernathy@dcnr.alabama.gov) [damon.abernathy@dcnr.alabama.gov]; Decker, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c549ab248a5d43b689a358c91d48a156-Decker, Chris]; David Moore - Alabama Deparment of Environmetal Management (djmoore@adem.alabama.gov) [djmoore@adem.alabama.gov]; Donna Matthews [Ex. 6]; Doug Deaton - Alabama Department of Conservation and Natural Resources (doug.deaton@dcnr.alabama.gov) [doug.deaton@dcnr.alabama.gov]; Eddie Plemons - AL B.A.S.S. Federation (eddieplemons@charter.net) [eddieplemons@charter.net]; Eleanor Brannon [Ex. 6]; Elise Irwin - Auburn University Fisheries and Allied Aquaculture, Zoology, and Wildlife Sciences (elise.irwin@auburn.edu) [elise.irwin@auburn.edu]; Emman Spain [espain@muscogeenation-nsn.gov]; Evan Collins [evan_collins@fws.gov]; Evelyn Hamrick [Personal Email / Ex. 6] [Personal Email / Ex. 6]; Fred Leslie - Alabama Department of Environmental Management (FAL@adem.state.al.us) [FAL@adem.state.al.us]; Fred Couch (FREDCANOES@AOL.COM) [FREDCANOES@AOL.COM]; Gary Price (garyprice@centurytel.net) [garyprice@centurytel.net]; Gary Clark [Personal Email / Ex. 6] [Personal Email / Ex. 6]; gene@wedoweelakehomes.com; George Detweiler [george.h.detweiler@uscg.mil]; George Traylor [georgettraylor@centurylink.net]; Gerry Knight ([Ex. 6] [Ex. 6]; Horn, George F. [GFHORN@southernco.com]; Gerrit Jobsis - American Rivers (gjobsis@americanrivers.org) [gjobsis@americanrivers.org]; Warren Sarrell (glea@wgsarrell.com) [glea@wgsarrell.com]; Gordon, Lisa Perras [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f9ac77737b6d43759b069e24466ba077-Gordon, Lisa]; Ginny Oxford (goxford@centurylink.net) [goxford@centurylink.net]; Harry E. Merrill [Personal Email / Ex. 6] [Personal Email / Ex. 6]; Helen & George Greer [Ex. 6]; Holliman, Daniel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c1844920c862419d988cf42c964839d6-Holliman, Daniel]; David & Glenell Smith [Personal Email / Ex. 6]; Ira Parsons (irapar@centurytel.net) [irapar@centurytel.net]; Joanne Ninesling (j9sling@charter.net) [j9sling@charter.net]; James Hathorn - U.S. Army Corps of Engineers (James.E.Hathorn.Jr@sam.usace.army.mil) [James.E.Hathorn.Jr@sam.usace.army.mil]; Jim

Candler [Ex. 6]; Doug & Jan Crisp [Ex. 6] [Ex. 6]; Jeff Duncan - U.S. National Park Service (jeff_duncan@nps.gov) [jeff_duncan@nps.gov]; Jeff Powell - U.S. Fish and Wildlife Service (jeff_powell@fws.gov) [jeff_powell@fws.gov]; Jennifer Grunewald [jennifer_grunewald@fws.gov]; Jesse Cunningham ([Ex. 6] Crew, James F. [JFCREW@southernco.com]; Jennifer Haslbauer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user4f968e83]; Jim McAlear (jmc017@centurytel.net) [jmc017@centurytel.net]; Joan Zehrt [joan.e.zehrt@usace.army.mil]; John Free - Alabama Public Service Commission (John.Free@psc.alabama.gov) [John.Free@psc.alabama.gov]; John M. Sullivan - Southeastern States Field Office U.S. Bureau of Land Management (john_m_sullivan@blm.gov) [john_m_sullivan@blm.gov]; Diane Lunsford (johndiane@sbcglobal.net) [johndiane@sbcglobal.net]; Jonas White [Jonas.White@usace.army.mil]; Jim Sparrow - Alabama Bass Federation [Personal Email / Ex. 6]; Jason Throneberry [jthroneberry@tnc.org]; Judy McWhorter [Personal Email / Ex. 6] Keith Gauldin - Alabama Department of Conservation and Natural Resources (keith.gauldin@dcnr.alabama.gov) [keith.gauldin@dcnr.alabama.gov]; Keith Henderson (keith.henderson@dcnr.alabama.gov) [keith.henderson@dcnr.alabama.gov]; Kenneth & Linda Barnes [Personal Email / Ex. 6] Patty & Ken Cook [Personal Email / Ex. 6] [Personal Email / Ex. 6]; Kristina Mullins (kristina.mullins@usace.army.mil) [kristina.mullins@usace.army.mil]; Jeremy Lipham [Personal Email / Ex. 6] Leon Cromartie [Leon.M.Cromartie@usace.army.mil]; Chuck Sumner [Lewis.C.Sumner@usace.army.mil]; Tom Garland - Lake Wedowee Property Owners Association [Personal Email / Ex. 6]; Linda Stone [Personal Email / Ex. 6] Tammy Lovvorn [Personal Email / Ex. 6] [Personal Email / Ex. 6] Winston, Laura Stephens [LSWINSTO@SOUTHERNCO.COM]; Laurie Howe (lth0002@auburn.edu) [lth0002@auburn.edu]; Mark Singleton [mark@americanwhitewater.org]; Matt Brooks (matt.brooks@alea.gov) [matt.brooks@alea.gov]; Matt Laschet (matthias_laschet@fws.gov) [matthias_laschet@fws.gov]; Mayo, Lydia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9033990a32944dcaff25af965636695-Mayo, Lydia]; Mike Dollar [Personal Email / Ex. 6]; Meredith LaDart [meredith.h.ladart@usace.army.mil]; Michael Creswell [Michael.W.Creswell@usace.army.mil]; Jerry & Mary Lee Poss (midwaytresures@bellsouth.net) [midwaytresures@bellsouth.net]; Michael Holley - Alabama Department of Conservation and Natural Resources (mike.holley@dcnr.alabama.gov) [mike.holley@dcnr.alabama.gov]; Militscher, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=403317b53f0e48d0903cb494733b7f26-Militscher, Chris]; Michael Len (mlen@adem.alabama.gov) [mlen@adem.alabama.gov]; Marilyn Lott (mlott@randolphcountyeda.com) [mlott@randolphcountyeda.com]; Tiffany Moore (mooretn@aces.edu) [mooretn@aces.edu]; Nancy Burnes (nancyburnes@centurylink.net) [nancyburnes@centurylink.net]; Nan Ferebee [Personal Email / Ex. 6]; Nick Nichols [nick.nichols@dcnr.alabama.gov]; Orr, Chauncey [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2cc7bd30fc954e0685678df167ca62de-Orr, Chaunc]; Pace Wilber - NOAA National Marine Fisheries Service (pace.wilber@noaa.gov) [pace.wilber@noaa.gov]; patti.powell@dcnr.alabama.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ab96204e735c4780bcd0623fae9580b3-patti.powell@dcnr.alabama.gov]; Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]; Wilbur Ross (publicaffairs@doc.gov) [publicaffairs@doc.gov]; Dorothy Tidwell - Randolph County Chamber of Commerce (rancococ@teleclipse.net) [rancococ@teleclipse.net]; Randall Harvey - U.S. Army Corps of Engineers (randall.b.harvey@usace.army.mil) [randall.b.harvey@usace.army.mil]; Barry Morris - Upper Tallapoosa Clean Water Partnership [Personal Email / Ex. 6] Cody Deal [Personal Email / Ex. 6] [Personal Email / Ex. 6] Richard Burnes ([Personal Email / Ex. 6]); Ricky McWhorter [Personal Email / Ex. 6] [Personal Email / Ex. 6]); Bob Allen [Robert.A.Allen@usace.army.mil]; Roger McNeil (roger.mcneil@noaa.gov) [roger.mcneil@noaa.gov]; Bod Siverson [Personal Email / Ex. 6] Bob Davis [Personal Email / Ex. 6] Rupak Thapaliya [RThapaliya@americanrivers.org]; Sabrina Wood - Middle Tallapoosa Clean Water Partnership (sabrinawood@live.com) [sabrinawood@live.com]; Sylvia French [Personal Email / Ex. 6] [Personal Email / Ex. 6]; Steve Forehand (sforehand@russelllands.com) [sforehand@russelllands.com]; Sid & Susan Hare [Personal Email / Ex. 6] Sonja Hollomon [Personal Email / Ex. 6] Stacye Hathorn - Alabama Historical Commission (Stacye.Hathorn@preserveala.org) [Stacye.Hathorn@preserveala.org]; Stan Cook (stan.cook@dcnr.alabama.gov) [stan.cook@dcnr.alabama.gov]; Steve Bryant - Alabama Department of Conservation and Natural Resources (steve.bryant@dcnr.alabama.gov) [steve.bryant@dcnr.alabama.gov]; John Stewart [Personal Email / Ex. 6] Steve Traylor [Personal Email / Ex. 6] Taconya Goar - Alabama Department of Conservation and

Natural Resources (taconya.goar@dcnr.alabama.gov) [taconya.goar@dcnr.alabama.gov]; Thomas T. Lamberth (tlamberth@russelllands.com) [tlamberth@russelllands.com]; Tom Littlepage - Alabama Department of Economic and Community Affairs (Tom.Littlepage@adeca.alabama.gov) [Tom.Littlepage@adeca.alabama.gov]; Jimmy Traylor Personal Email / Ex. 6 Tricia Stearns Personal Email / Ex. 6 Personal Email / Ex. 6 Hoggle, Thomas W. [TWHOGGLE@southernco.com]; Vickie Stapler Personal Email / Ex. 6

Subject: Harris NOI and PAD filing

Dear Harris stakeholder,

The Notice of Intent to relicense the R.L. Harris Hydroelectric Project (NOI) and Pre-Application Document (PAD) were filed with FERC this morning. A copy of the NOI, PAD and PAD Appendices can be found on the Harris relicensing website at: www.harrisrelicensing.com. If you would like an electronic or printed copy of the documents, please contact Cecile Jones at (205) 257-1701 or harrisrelicensing@southernco.com.

We look forward to working with you all throughout the relicensing process.

Thanks,

Angie Anderegg
Hydro Services
Ex. 6
arsegars@southernco.com

Message

From: Yeow, Aaron [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=613120791828428B8CBFD6178910D97E-YEOW, ARRON]
Sent: 9/15/2017 1:47:19 PM
To: Clint Woods [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userbe793c3a]; Pruitt, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=757bedfd70ca4219b6d8046f5ce5681e-Pruitt, Sco]
CC: Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Yamada, Richard (Yujiro) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4c34a1e0345e4d26b361b5031430639d-Yamada, Yuj]; Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]; Lyons, Troy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=15e4881c95044ab49c6c35a0f5eef67e-Lyons, Troy]; sean.alteri@ky.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f999b3b9716c4924b5cbb9c4cdf645d0-sean.alteri@ky.gov]; Spencer, Stuart [SPENCER@adeq.state.ar.us]
Subject: RE: Comments on Candidates for EPA's Clean Air Scientific Advisory Committee

Thank you Clint. We have received your comments.

-Aaron

Aaron Yeow, M.P.H.
Designated Federal Officer
U.S. Environmental Protection Agency
Science Advisory Board
202-564-2050 (P)
202-565-2098 (F)

Mailing Address:
USEPA, 1200 Pennsylvania Avenue, NW, (1400R), Washington, DC 20460

Physical Location/Deliveries:
1300 Pennsylvania Avenue, NW, Suite 31150, Washington, DC 20004

From: Clint Woods [mailto:cwoods@csg.org]
Sent: Friday, September 15, 2017 9:40 AM
To: Pruitt, Scott <Pruitt.Scott@epa.gov>
Cc: Yeow, Aaron <Yeow.Aaron@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; sean.alteri@ky.gov; Spencer, Stuart <SPENCER@adeq.state.ar.us>
Subject: Comments on Candidates for EPA's Clean Air Scientific Advisory Committee

Administrator Pruitt,

Please find the attached letter from the Association of Air Pollution Control Agencies (AAPCA) on the list of candidates under consideration for appointment to U.S. EPA's Clean Air Scientific Advisory Committee (CASAC). The letter encourages U.S. EPA to select state air agency experts for the chartered CASAC as well as future review panels. It also discusses Clean Air Act requirements for membership and scope of advice (including advice on adverse health, welfare, social, economic, or energy effects related to National Ambient Air Quality Standards), the value of geographically and

scientifically diverse viewpoints, and your opportunity, as the appointing authority, to determine appointment and terms for federal advisory committee members in accordance with 41 CFR 102-3.130.

Thank you for the opportunity to provide feedback on these qualified candidates for CASAC, and please do not hesitate to contact us with any additional questions.

Clint Woods
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8040 – office
cwoods@csg.org
http://www.cleanairact.org

Message

From: Katie Foreman [kforeman@acwa-us.org]
Sent: 5/23/2018 3:44:13 PM
To: Staff_OSA [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be69b6688a614ca39759d52ca5716ef3-OSA]; Sinks, Tom [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=001007b7d256453a8a19b91df704e22c-Sinks, Tom]
CC: Julia Anastasio [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user20bb0324]; chanson@ecos.org; Sam Sankar [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user442aad82]; jsloan@csg.org; Dania Rodriguez [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userb4b31069]; ASchaefer@NGA.ORG; aroberson@asdwa.org; Ross, David P [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=119cd8b52dd14305a84863124ad6d8a6-Ross, David]
Subject: Comment Deadline Extension Request on Proposed "Strengthening Transparency in Regulatory Science" Rule
Attachments: Science Comment Extension v2.pdf

Good Afternoon,

Please see the attached letter outlining a comment deadline extension request for the Strengthening Transparency in Regulatory Science Proposed Rule from seven associations, on behalf of the states. Should you have questions regarding this request, please feel free to contact Julia Anastasio (janastasio@acwa-us.org, 202-756-0600).

Thank you,

Katie Foreman
Environmental Program Associate
Association of Clean Water Administrators
1634 I Street NW, Suite 750
Washington, DC 20006
kforeman@acwa-us.org

May 23, 2018

Tom Sinks
Office of the Science Advisor
U.S. Environmental Protection Agency
Mail Code 28221T
1200 Pennsylvania Avenue NW, Washington, DC 20460

Via regulations.gov: Docket ID No. EPA-HQ-OA-2018-0259

RE: Strengthening Transparency in Regulatory Science – Comment Deadline Extension Request

Dear. Mr. Sinks:

On behalf of the states, we write to request a 60-day extension to the comment period for the Strengthening Transparency in Regulatory Science Proposed Rule 83 FR 18768 (April 30, 2018).

The stated intent of the proposed rule is to strengthen regulatory transparency associated with the science the Environmental Protection Agency (EPA) uses for regulatory decision making and to ensure the data and models underlying rules are publicly available in a manner sufficient for independent validation and analysis.

Increased transparency is a worthy goal that can enhance agency deliberations and the regulatory process. More co-regulatory discussions regarding the intent, scope, and implementation processes associated with this rule will improve the quality of the comments the agency receives. Extending the comment period would allow those discussions to occur.

As our state associations and individual states prepare our comments, we require adequate time to thoughtfully evaluate the likely effect of the proposed rule and assess the scope, potential consequences of the rule, and the manner in which it may impact and/or alter state programs, decisions, and actions.

Given the critical importance of this regulatory action, we respectfully submit that a 60-day extension on the comment period is necessary so that state environmental programs can provide the agency with thoughtful and well reasoned comments on the proposal. This extension is essential to EPA's evaluation of state impacts, and will contribute to an enhanced and improved final rule.

Thank you and we look forward to the Agency's response to this request. Should you have questions regarding this request, please contact Julia Anastasio, (janastasio@acwa-us.org, 202-756-0600) or any of the signatories below.

Sincerely,

Julia Anastasio
Executive Director & General Counsel
Association of Clean Water Administrators

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies

Sam Sankar
Executive Director
Environmental Council of the States

Scott Pattison
CEO and Executive Director
National Governors Association

Alan Roberson
Executive Director
Association of State Drinking Water
Administrators

Dania Rodriguez
Executive Director
Association of State and Territorial Solid Waste
Management Officials

Jeanne Christie
Executive Director
Association of State Wetland Managers

Message

From: Staff_OSA [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BE69B6688A614CA39759D52CA5716EF3-OSA]
Sent: 6/1/2018 3:47:23 PM
To: Katie Foreman [kforeman@acwa-us.org]
CC: Julia Anastasio [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user20bb0324]; chanson@ecos.org; Sam Sankar [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user442aad82]; jsloan@csg.org; Dania Rodriguez [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userb4b31069]; ASchaefer@NGA.ORG; aroberson@asdwa.org; Ross, David P [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=119cd8b52dd14305a84863124ad6d8a6-Ross, David]
Subject: RE: Comment Deadline Extension Request on Proposed "Strengthening Transparency in Regulatory Science" Rule

Dear Ms. Foreman,

Thank you for your interest regarding the US EPA proposed rule "Strengthening Transparency in Regulatory Science" (https://www.federalregister.gov/documents/2018/04/30/2018-09078/strengthening-transparency-in-regulatory-science).

Your comments have been forwarded to the docket located at https://www.regulations.gov/docket?D=EPA-HQ-OA-2018-0259.

The comment period on the proposed rule has been extended until August 16, 2018. More information is available at https://www.federalregister.gov/documents/2018/05/25/2018-11316/strengthening-transparency-in-regulatory-science-extension-of-comment-period-and-notice-of-public.

Sincerely,

Tom Sinks, Ph.D.
Director, Office of the Science Advisor

From: Katie Foreman [mailto:kforeman@acwa-us.org]
Sent: Wednesday, May 23, 2018 11:44 AM
To: Staff_OSA <Staff_OSA@epa.gov>; Sinks, Tom <Sinks.Tom@epa.gov>
Cc: Julia Anastasio <janastasio@acwa-us.org>; chanson@ecos.org; Sam Sankar <ssankar@ecos.org>; jsloan@csg.org; Dania Rodriguez <DaniaR@astswmo.org>; ASchaefer@NGA.ORG; aroberson@asdwa.org; Ross, David P <ross.davidp@epa.gov>
Subject: Comment Deadline Extension Request on Proposed "Strengthening Transparency in Regulatory Science" Rule

Good Afternoon,

Please see the attached letter outlining a comment deadline extension request for the Strengthening Transparency in Regulatory Science Proposed Rule from seven associations, on behalf of the states. Should you have questions regarding this request, please feel free to contact Julia Anastasio (janastasio@acwa-us.org, 202-756-0600).

Thank you,

Katie Foreman
Environmental Program Associate
Association of Clean Water Administrators
1634 I Street NW, Suite 750
Washington, DC 20006

kforeman@acwa-us.org

Appointment

From: Penman, Crystal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=93662678a6fd4d4695c3df22cd95935a-Penman, Crystal]
Sent: 9/19/2018 5:27:15 PM
To: Smith, Greg [GLSmith@southernco.com]; Simmons, Donna [DSSimmons@tecoenergy.com]; 'Brammell, William' [William.Brammell@mosaicco.com]; Bigelow, Melanie [Melanie.bigelow@duke-energy.com]; 'Lori Killinger' [lkillinger@llw-law.com]; 'Butch Calhoun' [butch.calhoun@ffva.com]; 'Jim Spratt' [jim@magnoliastrategiesllc.com]; 'Cari L. Roth' [CRoth@deanmead.com]; 'larry.curtin@hklaw.com'; 'larry.sellers@hklaw.com'; Gettle, Jeaneanne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d8e72aa7e1894faea44006fd9f22b637-Gettle, Jeaneanne]; Goodin, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3eac342f280a4b9db4079c81f66d1913-JGoodin]; 'Frank Bernardino' [frank@anfieldflorida.com]; 'David Goodlett' [dgoodlett@SCGC.org]; 'Emily Duda Buckley' [ebuckley@joneswalker.com]; Goss, Suzanne [GossSE@jea.com]; 'Dee Allen' [deedra.allen@mosaicco.com]; Leopold, Matt (OGC) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4e5cdf09a3924dada6d322c6794cc4fa-Leopold, Ma]; 'FL Recycling' [keyna@flrecycling.org]; 'Ryan Matthews' [ryan@peebles-smith.com]; 'adam.basford@ffbf.org'; 'Chris Emmanuel [cemmanuel@flchamber.com]; 'Frank Walker' [fwalker@flchamber.com]; 'Lee Killinger [lee.killinger@mosaicco.com]; 'Janet Price' [janet.price@rayonier.com]; 'Allison Carter' [allison@feca.com]; 'Noonan, Kevin' [KNoonan@ouc.com]; 'Holley, John' [John.Holley@fpl.com]; 'Dave R. Mica' [Micad@api.org]; 'Dale Calhoun' [dale.calhoun@floridagas.org]; 'Hull, Brittney' [BHull@packagingcorp.com]; hvinyard@foley.com; 'Eric M. Shea [Eric.M.Shea@fpl.com]; 'Ernie Barnett' [barnett@floridawaterandland.com]; 'gaston_cantens@floridacrystals.com'; 'BBevis@aif.com'; 'Martell, Daniel' [Daniel.Martell@fpl.com]; Steverson, Jon [jsteverson@foley.com]; Fotouhi, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=febaf0d56aab43f8a9174b18218c1182-Fotouhi, Da]; 'Jeff Littlejohn' [jeff@littlejohnmann.com]; 'Susan Harbin' [sharbin@fl-counties.com]; 'Nancy Stephens' [nancy@nstephens.com]; Adam Blalock [AdamB@hgslaw.com]; 'Kurt Spitzer' [Kurt.Spitzer@ksanet.net]; Forsgren, Lee [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a055d7329d5b470fbaa9920ce1b68a7d-Forsgren, D]; 'Adams, Leticia M.' [Leticia.M.Adams@disney.com]; 'Munson, Gregory' [GMunson@gunster.com]; 'fearington@sostrategy.com'; Cobb, Paula [Paula.Cobb@duke-energy.com]; 'David Childs' [DavidC@hgslaw.com]; 'Rusty Payton' [rpayton@fhba.com]; 'Jerry Paul' [jpaul@capitolenergy.net]; 'William D Hunter' [billh@afcd.com]; Mohammad Jazil [MohammadJ@hgslaw.com]; 'Rebecca O'Hara' [rohara@flcities.com]; 'Robert Coker' [rcoker@ussugar.com]; 'Faletto, Jon - FishHawk' [JON.FALETTO@mosaicco.com]
CC: larry_williams@fws.gov; Kyle Scherer [kyle.scherer@sol.doi.gov]; Duncan, Deidre [dduncan@hunton.com]; ryan@psmfl.net; pepper@anfieldflorida.com; Penman, Crystal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=93662678a6fd4d4695c3df22cd95935a-Penman, Crystal]; Turner, Andrew [aturner@hunton.com]; Wade, Alexis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5c9fba2ef8444572a39185242b70593b-Wade, Alexis]; Frazer, Brian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=572986d047624669891da90708433da1-Brian Frazer]; Wehling, Carrie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e3e55f11fdc7489698be69849b301da6-CWEHLING]; Mercer Fearington [fearington@sostrategy.com]; Basford, Adam [Adam.Basford@ffbf.org]; Emily Ham [emily.ham@westrock.com]; Brewster B. Bevis [BBevis@aif.com]; Dale Calhoun [dale@floridagas.org]; Charles Hood [charles.hood@rayonieram.com]; Neugeboren, Steven [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cfd837ac503949a9820715b53ba921e6-SNEUGEBO]; Kupchan, Simma [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=784e0aea94a7485fa0435cc0cf5a62a5-SASHER]; Perez, Fatima [Fatima.Perez@kochps.com]

Subject: FL 404 Stakeholder Conference Call Call in Conference Call / Ex. 6 passcode 3 Conference Call / Ex. 6
Attachments: Real ID Information.pdf
Location: 1201 Constitution Ave NW, Washington DC 20004 3233 WJCE Please call 202-564-5700 for escort

Start: 9/28/2018 5:00:00 PM
End: 9/28/2018 6:30:00 PM

Show Time As: Busy

I wanted to give you the names of the individuals currently attending the meeting with Mr. Ross on Friday at 1. They are:

David Childs
Adam Blalock
Paula Cobb
Luna Phillips
Jeff Littlejohn
Herschel Vinyard
Andrew Tuner
Brian Levey

Appointment

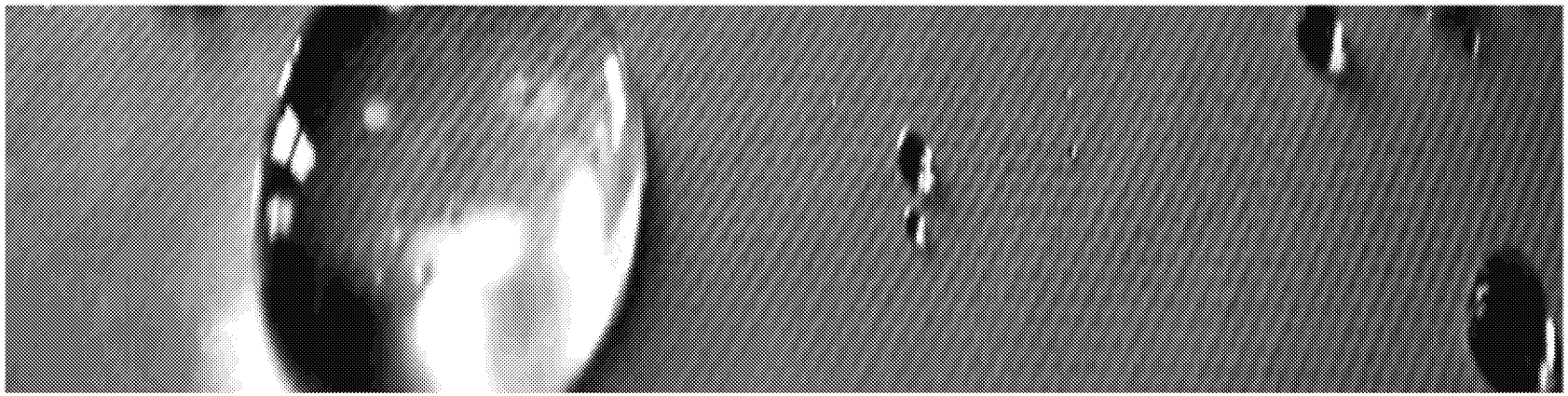
From: Penman, Crystal [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=93662678A6FD4D4695C3DF22CD95935A-PENMAN, CRYSTAL]
Sent: 5/8/2018 3:36:46 PM
To: Ross, David P [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=119cd8b52dd14305a84863124ad6d8a6-Ross, David]; Forsgren, Lee [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a055d7329d5b470fbaa9920ce1b68a7d-Forsgren, D]; McDonough, Owen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=10a92c71b552413694fed6fa08522f4f-McDonough,]; venu.ghanta@duke-energy.com; Wildeman, Anna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=05dd0af69bfa40429e438b7646502b99-Wildeman, A]
CC: Penman, Crystal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=93662678a6fd4d4695c3df22cd95935a-Penman, Crystal]

Subject: Meeting on ELGS
Attachments: Real ID Information.pdf; Overview of Duke Energy Position on the ELG Rule 6_26_18.pdf
Location: 1201 Constitution Ave NW, Washington DC 20004 WJCE 3233 Please call 202-564-5700 for escort

Start: 6/26/2018 5:00:00 PM
End: 6/26/2018 5:30:00 PM
Show Time As: Tentative

Venu Ghanta
Federal Regulatory Affairs Director
325 7th Street NW, Suite 300, Washington, DC 20004
Office: 202-824-8013
Cell: 202-699-2337

DUKE ENERGY.



Steam Electric Effluent Limitation Guidelines

OVERVIEW OF DUKE ENERGY'S POSITION ON THE ELG RECONSIDERATION RULE

JUNE 26, 2018

ED_002402_00055048-00001

Duke Energy – A large scale, highly regulated energy infrastructure company

DUKE ENERGY.

HEADQUARTERED IN CHARLOTTE, NC

DUK
LISTED
NYSE

A FORTUNE 125 COMPANY

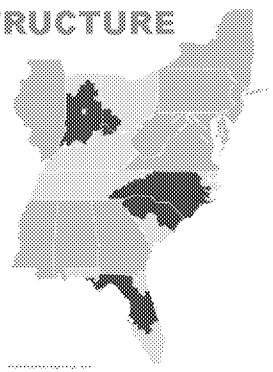
$53 B
MARKET CAP
(AS OF 5/16/2018)

$138 B
TOTAL ASSETS
(AS OF 12/31/2017)

29 K
EMPLOYEES
(AS OF 12/31/2017)

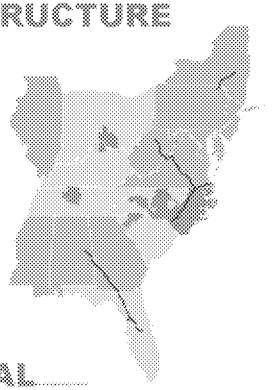
52 GWs
TOTAL GENERATING CAPACITY (AS OF 12/31/2017)

ELECTRIC UTILITIES & INFRASTRUCTURE



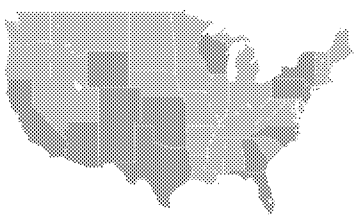
- Operating in six constructive jurisdictions serving 7.6 million retail customers
- Industry-leading safety performance, as recognized by EEI
- Below average customer rates[1]
- Balanced generation portfolio: 33% coal, 34% nuclear, 28% gas, 5% hydro, wind and solar.

GAS UTILITIES & INFRASTRUCTURE



- Five state LDCs serving 1.6 million customers
- Significant investments in midstream natural gas pipelines and storage facilities

COMMERCIAL RENEWABLES



- Invested more than $5 billion over the past 10 years
- Approximately 3 GWs of wind and solar on-line

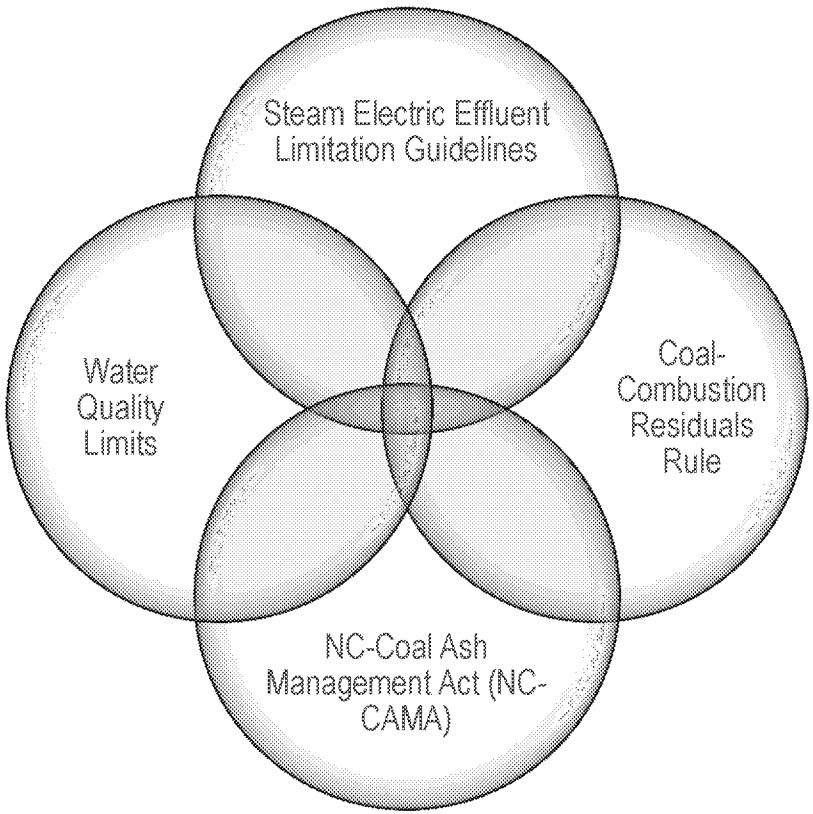
(1) *Source: EEI Typical Bills and Average Rates Report, Summer 2017*

DUKE ENERGY.

Regulatory Drivers for Station Modifications

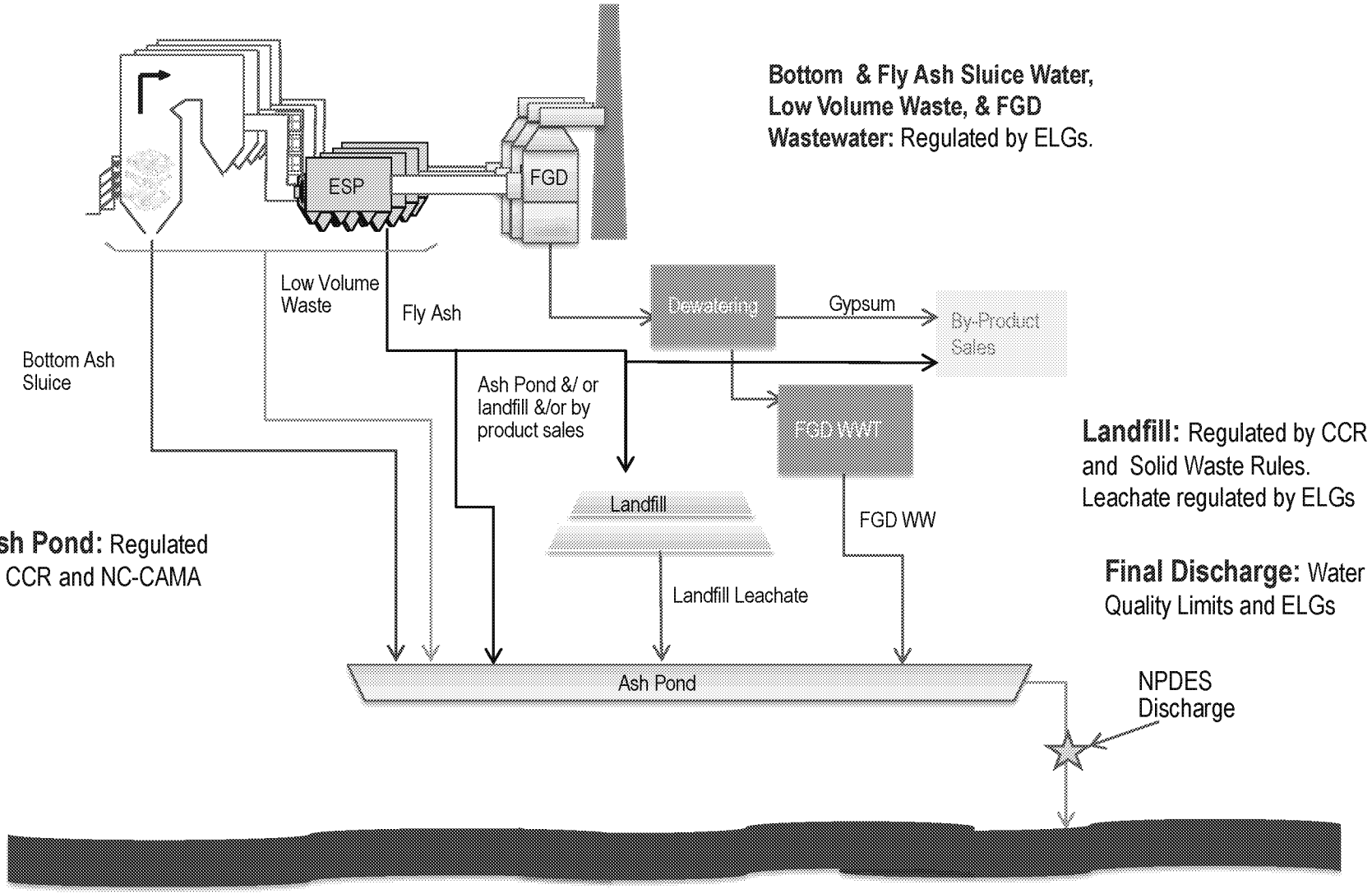
Nine Duke Energy coal-fired stations (23 total coal-fired units/~14,300 MW generation capacity) affected by the ELG Reconsideration Rule

- Multiple regulations are driving the installation of technologies
- Timing, certainty, and durability are key to avoid stranded assets
- For Duke Energy, CCR Rule is primarily driving the schedule with NC-CAMA also playing a role
- ELGs and Water Quality Limits are driving the technology



DUKE ENERGY.

Pre-ELG, CCR, and NC-CAMA



Steam Electric Effluent Limitation Guidelines

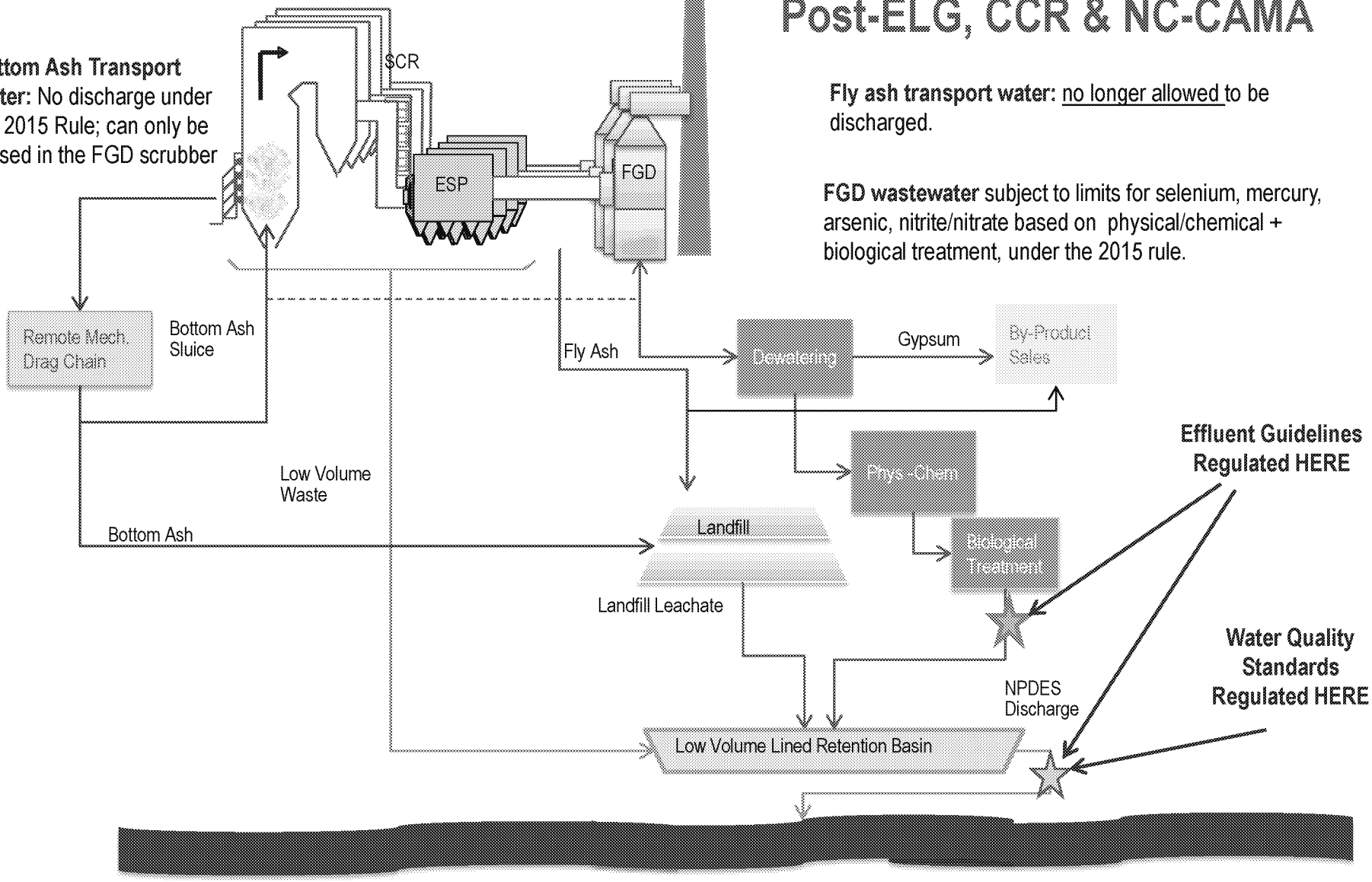
DUKE ENERGY.

Post-ELG, CCR & NC-CAMA

Bottom Ash Transport Water: No discharge under the 2015 Rule; can only be reused in the FGD scrubber

Fly ash transport water: no longer allowed to be discharged.

FGD wastewater subject to limits for selenium, mercury, arsenic, nitrite/nitrate based on physical/chemical + biological treatment, under the 2015 rule.



DUKE ENERGY.

Bottom Ash Transport Water (BATW)

2015 Rule requires no discharge based on closed-loop system

All 23 coal-fired units subject to the ELG rule are scheduled to have dry bottom ash handling systems installed by 1st quarter 2019

Concerns with the no discharge limit	Storm water inputs
	Non-BATW inputs (difficult to re-route all non-BATW waste streams within the concrete foundation)
	Water balance estimates
	Bottom ash chemistry issues
Recommended alternatives to the 2015 Rule	Allow a blowdown stream from the recirculating bottom ash transport water system
	Allow the pass-through of excessive water resulting from storm events
	Allow BATW to be discharged for decommissioned stations.

DUKE ENERGY.

Flue Gas Desulfurization (FGD) Wastewater:

2015 Rule established limits for mercury, arsenic, nitrates, and selenium based on physical/chemical + biological treatment

22 of the 23 coal-fired generating units subject to the ELG Rule will have technologies installed designed to meet the 2015 limits by 1st quarter 2019

Concerns with meeting the 2015 limits	Variability in performance due to different coals
	Variability in performance due to air emissions controls
	Limits were based on the performance of one vendor, multiple vendors now available
	Changes in the operations of coal-fired generating units (peaking units vs baseload)
Recommended alternatives to the 2015 Rule	Increased selenium limits based on the variability of coal-fired operations and variability in the performance of the treatment system

DUKE ENERGY.

Bromides

Subject of AWWA's petition on the 2015 Rule

Preamble of the 2015 Rule recommended states address bromides on a water quality basis

Duke Energy's Assessment	Have been investigating technical solutions since 2012 and no economically achievable technology exists to support a national bromide technology based limit.
	Based on 3-year sampling program in N. Carolina, no direct correlation observed between bromide concentration from power plants in NC and the formation of TTHM
	Sampling indicates there are several other anthropogenic sources of discharges of bromide to the source water.
Other causal factors in formation of TTHM	Source water total organic carbon (TOC), temperature, flow rate, and pH
	Disinfectant and O&M at the drinking water treatment system
	Residence time in the distribution system
Recommended Approach	Select the most appropriate corrective action to ensure protection of drinking water
	Evaluate all upstream dischargers of bromide and other constituents
	Utilize a watershed approach to derive limits, if necessary
	Evaluate the drinking water treatment system (TOC removal, disinfectant used, O&M, etc.)
	Evaluate the residence time in the drinking water distribution system

DUKE ENERGY.

Thank you for taking the time to meet with us today. We are happy to answer any final questions and don't hesitate to contact us should you need additional information.

Appointment

From: Wheeler, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=17A1669EF5B54FBA8CB457845308787E-WHEELER, AN]
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To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]; Ross, David P [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=119cd8b52dd14305a84863124ad6d8a6-Ross, David]; lwyak@[Personal Address / Ex. 6] msquared615[Personal Address / Ex. 6] Vmcwhorter@smithpachter.com; lauren.tabbara@[Personal Address / Ex. 6]; jcoghlan@[Personal Address / Ex. 6] jak1201@[Personal Address / Ex. 6] Dave.Zook@faegrebd.com; Mary.Bono@faegrebd.com; Josh.Andrews@faegrebd.com; Darrin.Munoz@faegrebd.com; Brandon.Kirkham@faegrebd.com; Ted.Bristol@faegrebd.com; Frank.Swain@faegrebd.com; Debra.Lappin@faegrebd.com; David.Gogol@faegrebd.com; Skip.Stitt@faegrebd.com; Michael.Adelberg@faegrebd.com; Libby.Baney@faegrebd.com; Kevin.Brennan@faegrebd.com; Hope.Costa@faegrebd.com; Beena.Patel@faegrebd.com; Nicholas.Manetto@faegrebd.com; saaron@mercuryllc.com; alexrenjel@[Personal Address / Ex. 6]; Angie.Giancarlo@mail.house.gov; Annie_Caputo@epw.senate.gov; Michael.J.Catanzaro@[Personal Address / Ex. 6]; brian.c.mormino@Cummins.com; chadbradley@[Personal Address / Ex. 6] Dan.Barron@arlp.com; Elizabeth.Fox@mail.house.gov; frank.r.fannon@[Personal Address / Ex. 6] suzannegillen@[Personal Address / Ex. 6]; martyhall1@[Personal Address / Ex. 6]; james@okeeffestrategies.com; keenglish78[Personal Address / Ex. 6] MaryAnne.Dunlap@sanofipasteur.com; mhite@GPAglobal.org; Ference@S-3Group.com; MNellenbach@bipartisanpolicy.org; Nathan.Richmond@oig.dot.gov; Neil.Naraine@ipaper.com; rebafree@[Personal Address / Ex. 6] louis.renjel@duke-energy.com; sdhigley@marathonpetroleum.com; thassenboehler[Personal Address / Ex. 6] genevievemaul@[Personal Address / Ex. 6]; dimitri.karakitsos@hklaw.com; blu.hulsey@clr.com; Anna.Burhop@bracewell.com; rick@cypressgroupdc.com; ltravers1011@[Personal Address / Ex. 6]Hanley, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=58e0d3d52d424d45ae88e4386ae4f8dd-Hanley, Mary]; Sherlock, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c7be251841f4c9491134ad943602c7d-SSherloc]; Orr.kimberlie@Epa.gov; McLean, Sarsah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c85aef9d5ddd4d7f93ac7fe05c4d2ea4-SMclea02]; Huddleston, Don [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7c62f2fb376f43d8987e91e5b8b85dbd-DHUDDLES]; Anapolle, Kent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0794f46bfd2e4d69abf0efb1c8a88651-KAnapoll]; Cheatham, Tony [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a8dc7de8836547fc9a810b1004c7c6a1-Cheatham, Tony]; Funke.odelia@Epa.gov; Roepe, Wayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9ad5836336a0477095244bb41dfd007b-WROEPE]; Godwin, Dave [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9519a58ea7ed4782ba7e8b1f6472de1d-Godwin, Dave]; mary_frances_repko@epw.senate.gov; Mary.Martin@mail.house.gov; Rick.Kessler@mail.house.gov; Luke_Holland@inhofe.senate.gov; Wendi_Price@inhofe.senate.gov; richard_russell@epw.senate.gov; Brian_Clifford@epw.senate.gov; Justin_Memmott@epw.senate.gov; Ford, Hayley [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4748a9029cf74453a20ee8ac9527830c-Ford, Hayle]; Jenkins, Donna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=76d48924578d469ea4bc96914ff53d9a-Djenki02]; Vance, Eric [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d7fc312a1267466188680444d66fe0e6-EVance]; adaccurzio@neuropace.com
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jdokeeffe[redacted]; MaryAnne.Dunlap@sanofi.com; Michele Nellenbach [mnellenbach@bpcaction.org];
Andrews, Joshua L. [Joshua.Andrews@FaegreBD.com]; Matthew Hite [mhite@gpamidstream.org]

Subject: FW: Reminder: Please RSVP - EPA Deputy Administrator's Ceremonial Swearing-In
Location: Green Room

Start: 5/4/2018 3:00:00 PM
End: 5/4/2018 4:30:00 PM
Show Time As: Busy

-----Original Appointment-----
From: Burton, Tamika **On Behalf Of** Wheeler, Andrew
Sent: Friday, April 20, 2018 1:43 PM
To: Wheeler, Andrew; lwyal Personal Address / Ex. 6; msquared615 Personal Address / Ex. 6; Vmcwhorter@smithpachter.com; lauren.tabbara@ Personal Address / Ex. 6; jcoghlan@ Personal Address / Ex. 6; jak1201@ Personal Address / Ex. 6; Dave.Zook@faegrebd.com; Mary.Bono@faegrebd.com; Josh.Andrews@faegrebd.com; Darrin.Munoz@faegrebd.com; Brandon.Kirkham@faegrebd.com; Ted.Bristol@faegrebd.com; Frank.Swain@faegrebd.com; Debra.Lappin@faegrebd.com; David.Gogol@faegrebd.com; Skip.Stitt@faegrebd.com; Michael.Adelberg@faegrebd.com; Libby.Baney@faegrebd.com; Kevin.Brennan@faegrebd.com; Hope.Costa@faegrebd.com; Beena.Patel@faegrebd.com; Nicholas.Manetto@faegrebd.com; saaron@mercuryllc.com; Personal Address / Ex. 6; Angie.Giancarlo@mail.house.gov; Annie_Caputo@epw.senate.gov; Michael.J.Catanzaro@ Personal Address / Ex. 6; brian.c.mormino@Cummins.com; chadbradley@ Personal Address / Ex. 6; Dan.Barron@arlp.com; Elizabeth.Fox@mail.house.gov; frank.r.fannon@ Personal Address / Ex. 6 suzannegillen Personal Address / Ex. 6; martyhall1@ Personal Address / Ex. 6; james@okeeffestrategies.com; keenglish78 Personal Address / Ex. 6 MaryAnne.Dunlap@sanofipasteur.com; mhite@GPAglobal.org; Ference@S-3Group.com; MNellenbach@bipartisanpolicy.org; Nathan.Richmond@oig.dot.gov; Neil.Naraine@ipaper.com; rebafree@ Personal Address / Ex. 6; louis.renjel@duke-energy.com; sdhigley@marathonpetroleum.com; thassenboehler Personal Address / Ex. 6 genevievemaul@ Personal Address / Ex. 6; dimitri.karakitsos@hklaw.com; blu.hulsey@clr.com; Anna.Burhop@bracewell.com; rick@cypressgroupdc.com; ltravers1011@ Personal Address / Ex. 6 Hanley, Mary; Sherlock, Scott; Orr.kimberlie@Epa.gov; McLean, Sarsah; Huddleston, Don; Anapolle, Kent; Cheatham, Tony; Funke.odelia@Epa.gov; Roepe, Wayne; Godwin, Dave; mary_frances_repko@epw.senate.gov; Mary.Martin@mail.house.gov; Rick.Kessler@mail.house.gov; Luke_Holland@inhofe.senate.gov; Wendi_Price@inhofe.senate.gov; richard_russell@epw.senate.gov; Brian_Clifford@epw.senate.gov; Justin_Memmott@epw.senate.gov; Ford, Hayley; Jenkins, Donna; Vance, Eric; adaccurzio@neuropace.com
Cc: Block, Molly; Jackson, Ryan; Bolen, Brittany; Fotouhi, David; Ringel, Aaron; Abboud, Michael; Bowman, Liz; Baptist, Erik; Beach, Christopher; Beck, Nancy; Bennett, Tate; Bodine, Susan; Bolen, Derrick; Brown, Byron; Burke, Marcella; Chancellor, Erin; Cook, Steven; Cory, Preston (Katherine); Daniell, Kelsi; Darwin, Henry; Darwin, Veronica; Dominguez, Alexander; Falvo, Nicholas; Feeley, Drew (Robert); Ferguson, Lincoln; Forsgren, Lee; Frye, Tony (Robert); Gordon, Stephen; Greaves, Holly; Greenwalt, Sarah; Gunasekara, Mandy; Hanson, Paige (Catherine); Harlow, David; Hewitt, James; Hupp, Millan; Kelly, Albert; Konkus, John; Kundinger, Kelly; Leopold, Matt; Letendre, Daisy; Lovell, Will (William); Lyons, Troy; McMurray, Forrest; Munoz, Charles; Palich, Christian; Rodrick, Christian; Ross, David P; Schwab, Justin; Seabaugh, Catherine; Shimmin, Kaitlyn; Traylor, Patrick; Wagner, Kenneth; Wehrum, Bill; White, Elizabeth; Wilcox, Jahan; Woods, Clint; Yamada, Richard (Yujiro); jdokeeffe Personal Address / Ex. 6 MaryAnne.Dunlap@sanofi.com; Michele Nellenbach; Andrews, Joshua L.; Matthew Hite
Subject: Reminder: Please RSVP - EPA Deputy Administrator's Ceremonial Swearing-In
When: Friday, May 04, 2018 11:00 AM-12:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Green Room

EPA Guests and Colleagues,

You are invited to join for Andrew Wheeler's ceremonial swearing-in as Deputy Administrator. The swearing-in will take place **Friday, May 4, 2018 at 11:00 am** in the Green Room. Some light refreshments will follow.

In order to ensure access to the Green Room and an accurate head count, please RSVP by replying to this invitation by COB, Monday, April, 30.

Guests – please arrive 20mins before the ceremony to: 1200 Pennsylvania Avenue Northwest Washington DC 20460 – You will enter the William Jefferson Clinton North(WJC) building. You will check in and go through the security screening, please present your ID to the security officer and they will notify your guide of your arrival and we will escort you to the ceremonial suite.

Message

From: Katie Foreman [kforeman@acwa-us.org]
Sent: 5/23/2018 3:44:13 PM
To: Staff_OSA [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be69b6688a614ca39759d52ca5716ef3-OSA]; Sinks, Tom [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=001007b7d256453a8a19b91df704e22c-Sinks, Tom]
CC: Julia Anastasio [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user20bb0324]; chanson@ecos.org; Sam Sankar [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user442aad82]; jsloan@csg.org; Dania Rodriguez [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userb4b31069]; ASchaefer@NGA.ORG; aroberson@asdwa.org; Ross, David P [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=119cd8b52dd14305a84863124ad6d8a6-Ross, David]
Subject: Comment Deadline Extension Request on Proposed "Strengthening Transparency in Regulatory Science" Rule
Attachments: Science Comment Extension v2.pdf

Good Afternoon,
Please see the attached letter outlining a comment deadline extension request for the Strengthening Transparency in Regulatory Science Proposed Rule from seven associations, on behalf of the states. Should you have questions regarding this request, please feel free to contact Julia Anastasio (janastasio@acwa-us.org, 202-756-0600).
Thank you,

Katie Foreman
Environmental Program Associate
Association of Clean Water Administrators
1634 I Street NW, Suite 750
Washington, DC 20006
kforeman@acwa-us.org

Message

From: Staff_OSA [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=be69b6688a614ca39759d52ca5716ef3-OSA]
Sent: 6/1/2018 3:47:23 PM
To: Katie Foreman [kforeman@acwa-us.org]
CC: Julia Anastasio [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user20bb0324]; chanson@ecos.org; Sam Sankar [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user442aad82]; jsloan@csg.org; Dania Rodriguez [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userb4b31069]; ASchaefer@NGA.ORG; aroberson@asdwa.org; Ross, David P [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=119cd8b52dd14305a84863124ad6d8a6-Ross, David]
Subject: RE: Comment Deadline Extension Request on Proposed "Strengthening Transparency in Regulatory Science" Rule

Dear Ms. Foreman,

Thank you for your interest regarding the US EPA proposed rule "Strengthening Transparency in Regulatory Science" (https://www.federalregister.gov/documents/2018/04/30/2018-09078/strengthening-transparency-in-regulatory-science).

Your comments have been forwarded to the docket located at https://www.regulations.gov/docket?D=EPA-HQ-OA-2018-0259.

The comment period on the proposed rule has been extended until August 16, 2018. More information is available at https://www.federalregister.gov/documents/2018/05/25/2018-11316/strengthening-transparency-in-regulatory-science-extension-of-comment-period-and-notice-of-public.

Sincerely,

Tom Sinks, Ph.D.
Director, Office of the Science Advisor

From: Katie Foreman [mailto:kforeman@acwa-us.org]
Sent: Wednesday, May 23, 2018 11:44 AM
To: Staff_OSA <Staff_OSA@epa.gov>; Sinks, Tom <Sinks.Tom@epa.gov>
Cc: Julia Anastasio <janastasio@acwa-us.org>; chanson@ecos.org; Sam Sankar <ssankar@ecos.org>; jsloan@csg.org; Dania Rodriguez <DaniaR@astswmo.org>; ASchaefer@NGA.ORG; aroberson@asdwa.org; Ross, David P <ross.davidp@epa.gov>
Subject: Comment Deadline Extension Request on Proposed "Strengthening Transparency in Regulatory Science" Rule

Good Afternoon,

Please see the attached letter outlining a comment deadline extension request for the Strengthening Transparency in Regulatory Science Proposed Rule from seven associations, on behalf of the states. Should you have questions regarding this request, please feel free to contact Julia Anastasio (janastasio@acwa-us.org, 202-756-0600).

Thank you,

Katie Foreman
Environmental Program Associate
Association of Clean Water Administrators
1634 I Street NW, Suite 750
Washington, DC 20006

kforeman@acwa-us.org

Appointment

From: Wheeler, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=17A1669EF5B54FBA8CB457845308787E-WHEELER, AN]

Sent: 4/20/2018 6:48:55 PM

To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]; lwyak@[redacted] msquared615@[redacted] Vmcwhorter@smithpachter.com; lauren.tabbara@[redacted]; jcoghlan@[redacted] jak1201@[redacted]; Dave.Zook@faegrebd.com; Mary.Bono@faegrebd.com; Josh.Andrews@faegrebd.com; Darrin.Munoz@faegrebd.com; Brandon.Kirkham@faegrebd.com; Ted.Bristol@faegrebd.com; Frank.Swain@faegrebd.com; Debra.Lappin@faegrebd.com; David.Gogol@faegrebd.com; Skip.Stitt@faegrebd.com; Michael.Adelberg@faegrebd.com; Libby.Baney@faegrebd.com; Kevin.Brennan@faegrebd.com; Hope.Costa@faegrebd.com; Beena.Patel@faegrebd.com; Nicholas.Manetto@faegrebd.com; saaron@mercuryllc.com; alexrenjel@[redacted]; Angie.Giancarlo@mail.house.gov; Annie_Caputo@epw.senate.gov; Michael.J.Catanzaro@[redacted] brian.c.mormino@Cummins.com; chadbradley@[redacted] Dan.Barron@arlp.com; Elizabeth.Fox@mail.house.gov; frank.r.fannon@[redacted]; suzannegillen@[redacted] martyhall1@[redacted] james@okeeffestrategies.com; keenglish78@[redacted] MaryAnne.Dunlap@sanofipasteur.com; mhite@GPAglobal.org; Ference@S-3Group.com; MNellenbach@bipartisanpolicy.org; Nathan.Richmond@oig.dot.gov; Neil.Naraine@ipaper.com; rebafree@[redacted]; louis.renjel@duke-energy.com; sdhigley@marathonpetroleum.com; thassenboehler@[redacted] genevievemaul@[redacted]; dimitri.karakitsos@hklaw.com; blu.hulsey@clr.com; Anna.Burhop@bracewell.com; rick@cypressgroupdc.com; ltravers1011@[redacted]; Hanley, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=58e0d3d52d424d45ae88e4386ae4f8dd-Hanley, Mary]; Sherlock, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c7be251841f4c9491134ad943602c7d-SSherloc]; Orr.kimberlie@Epa.gov; McLean, Sarsah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c85aef9d5ddd4d7f93ac7fe05c4d2ea4-SMclea02]; Huddleston, Don [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7c62f2fb376f43d8987e91e5b8b85dbd-DHUDDLES]; Anapolle, Kent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0794f46bfd2e4d69abf0efb1c8a88651-KAnapoll]; Cheatham, Tony [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a8dc7de8836547fc9a810b1004c7c6a1-Cheatham, Tony]; Funke.odelia@Epa.gov; Roepe, Wayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9ad5836336a0477095244bb41dfd007b-WROEPE]; Godwin, Dave [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9519a58ea7ed4782ba7e8b1f6472de1d-Godwin, Dave]; mary_frances_repko@epw.senate.gov; Mary.Martin@mail.house.gov; Rick.Kessler@mail.house.gov; Luke_Holland@inhofe.senate.gov; Wendi_Price@inhofe.senate.gov; richard_russell@epw.senate.gov; Brian_Clifford@epw.senate.gov; Justin_Memmott@epw.senate.gov; Ford, Hayley [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4748a9029cf74453a20ee8ac9527830c-Ford, Hayle]; Jenkins, Donna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=76d48924578d469ea4bc96914ff53d9a-Djenki02]; Vance, Eric [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d7fc312a1267466188680444d66fe0e6-EVance]; adaccurzio@neuropace.com

CC: Block, Molly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=60d0c681a16441a0b4fa16aa2dd4b9c5-Block, Moll]; Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Bolen, Brittany [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=31e872a691114372b5a6a88482a66e48-Bolen, Brit]; Fotouhi, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=febaf0d56aab43f8a9174b18218c1182-Fotouhi, Da]; Ringel, Aaron [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1654bdc951284a6d899a418a89fb0abf-Ringel, Aar]; Abboud, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b6f5af791a1842f1adcc088cbf9ed3ce-Abboud, Mic]; Bowman, Liz

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jdokeeffe@[redacted] MaryAnne.Dunlap@sanofi.com; Michele Nellenbach [mnellenbach@bpcaction.org];
Andrews, Joshua L. [Joshua.Andrews@FaegreBD.com]; Matthew Hite [mhite@gpamidstream.org]

Subject: FYI: Reminder: Please RSVP - EPA Deputy Administrator's Ceremonial Swearing-In
Location: Green Room

Start: 5/4/2018 3:00:00 PM
End: 5/4/2018 4:30:00 PM
Show Time As: Free

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 3/1/2019 8:04:28 PM
To: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]; Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: RE: AAPCA 2019 Spring Meeting - Presentation Logistics
Attachments: ATT00001.txt

Received – thanks!

From: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Sent: Friday, March 1, 2019 3:04 PM
To: Jason Sloan <jsloan@csg.org>; Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>; Rakosnik, Delaney <rakosnik.delaney@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: AAPCA 2019 Spring Meeting - Presentation Logistics

Thank you, Jason! Attached is Mr. Wehrum's bio, as you requested. I'm cc'ing others who will be helping with registration and hotel arrangements so they have the information below.

Thanks again,
Isabel

Isabel DeLuca
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan <jsloan@csg.org>
Sent: Friday, March 01, 2019 1:31 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: AAPCA 2019 Spring Meeting - Presentation Logistics

Assistant Administrator Wehrum,

On behalf of AAPCA's membership, thank you for your willingness to speak at AAPCA's 2019 Spring Meeting in Baton Rouge later this month. Attached is a current draft of the agenda, and included below are a handful of additional logistical items and details for the meeting that may be helpful (with a few priorities highlighted in yellow):

- **Registration and Hotel.** AAPCA's 2019 Spring Meeting will be held March 25 to 27 at the Hilton Baton Rouge Capitol Center in downtown Baton Rouge, Louisiana (201 Lafayette Street, Baton Rouge, LA 70801). You can find more details on the meeting on AAPCA's website. **Sunday, March 3** is the cutoff date for AAPCA's hotel block

(room rate is $105.00 per night plus applicable taxes and fees). The registration deadline for the meeting is **March 11.** Please register under the category of "Speaker" (registration fees are waived for presenters) to help ensure that we have the correct information for your name tag and other meeting materials.

- **Agenda and Session Information.** Attached to this email is a current draft of the agenda for AAPCA's 2019 Spring Meeting. As indicated above, we currently have you scheduled to speak the morning of March 27 (approximately 8:45 AM). Marc Cone, Director for the Maine Air Quality Bureau and AAPCA 2019 Vice President, will provide your introduction and moderate the session. Please let us know as soon as possible if there are any necessary changes to your title or the title of the session.
- **Biography.** We will be distributing copies of speaker biographies to participants. Please send a 1 – 2 paragraph version to nkilby@csg.org by **6:00 PM Eastern on Friday, March 8.**
- **Presentation Materials.** At the meeting, AAPCA will have a computer, screen package, podium, and head table with microphones. Please provide a copy of any slides or presentation materials to nkilby@csg.org by **6:00 PM Eastern on Thursday, March 21**. Please also let us know as soon as possible if you will need video, sound or internet capability for your presentation, or if there are any restrictions on placing slides or other presentation materials on AAPCA's website.
- **Meeting Attendance.** The topical session on *Risk/Environmental Communication* (1:00 – 3:30 PM) and Opening Reception (6:00 PM) on March 25 are open to all governmental and non-governmental participants, as is all programming on March 26, which will run from approximately 8:00 AM until 5:30 PM. The sessions on March 27, scheduled from 8:00 AM until 12:30 PM, are limited to state, local, and federal attendees. All sessions are closed press. We will send out a registration list and other logistics approximately one week in advance of the meeting, but we are expecting more than 100 participants in total, including senior officials from more than two dozen state and local air agencies.

Please let us know if you have any other questions, suggestions, or if there is anything else we can do to help – Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: DeLuca, Isabel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0B021C30CBEE4637A7C7CA683E5E044A-IDELUCA]
Sent: 3/1/2019 8:03:33 PM
To: Jason Sloan [jsloan@csg.org]; Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: FW: AAPCA 2019 Spring Meeting - Presentation Logistics
Attachments: AAPCA 2019 Spring Meeting - Draft Agenda - 03-01-2019.pdf; Bill Wehrum Bio.docx

Thank you, Jason! Attached is Mr. Wehrum's bio, as you requested. I'm cc'ing others who will be helping with registration and hotel arrangements so they have the information below.

Thanks again,
Isabel

Isabel DeLuca
Office of Air and Radiation, US EPA
(202) 343-9247

From: Jason Sloan <jsloan@csg.org>
Sent: Friday, March 01, 2019 1:31 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: AAPCA 2019 Spring Meeting - Presentation Logistics

Assistant Administrator Wehrum,

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Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2019 SPRING MEETING

March 25 – 27 | Hilton Baton Rouge Capitol Center | Baton Rouge, Louisiana

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2019 SPRING MEETING

March 25 – 27 | Hilton Baton Rouge Capitol Center | Baton Rouge, Louisiana

Draft Outline (as of 03/01/2019)

Monday, March 25

10:00 AM – 5:30 PM **Registration**

1:00 – 3:30 PM **Topical Session: Risk / Environmental Communication** – *Moderated by Lynne Liddington, Knox County Air Quality Management*
(open to all attendees)
- Anne Idsal, Regional Administrator, EPA Region 6
- Louisiana Department of Environmental Quality
- Michael Villegas, Ventura County Air Pollution Control District
- Fran Marshall, South Carolina Department of Health and Environmental Control

3:45 – 5:45 PM **AAPCA Air Directors/Board Business Session**
(Board members or their designees)

6:00 – 7:15 PM **Opening Reception**
(cash bar & hors d'oeuvres; open to all attendees)

Tuesday, March 26
(Open Session)

8:00 AM **Breakfast Buffet**

8:30 AM **Welcome & Opening Remarks** – *Secretary Dr. Chuck Carr Brown, Louisiana Department of Environmental Quality, and AAPCA Leadership*

8:45 – 10:00 AM **NAAQS / SIP / Permitting Updates** – *Moderated by TBA*
- Anna Marie Wood, Air Quality Policy Division, U.S. EPA Office of Air Quality Planning & Standards

10:00 – 10:30 AM Networking Break

10:30 – 11:30 AM **Upstream/Downstream: Oil & Gas Updates** – *Moderated by Vivian Aucoin, Louisiana Department of Environmental Quality*
- Nathan McBride, Louisiana Mid-Continent Oil & Gas Association
- Louisiana Department of Natural Resources
- AAPCA Member Agencies

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11:40 AM – 12:50 PM **Lunch with Keynote Speaker –** *Introduction by Nancy Vehr, Wyoming Department of Environmental Quality*

- Susan Parker Bodine, Assistant Administrator, U.S. EPA Office of Enforcement & Compliance Assurance

1:00 – 1:45 PM **Modeling, Monitoring, & Other Technical Updates** – *Moderated by Leigh Bacon, Alabama Department of Environmental Management*

- Chet Wayland, Air Quality Assessment Division, U.S. EPA Office of Air Quality Planning & Standards

1:45 – 2:45 PM **Ozone NAAQS Updates** – *Moderated by Karen Hays, Georgia Environmental Protection Division*

- Mary Uhl, Western States Air Resources Council (WESTAR)
- Dr. Jim Smith, Texas Commission on Environmental Quality
- Billy DeWitt, Louisville Air Pollution Control District

2:45 – 3:30 PM **Clean Air Act Legal Updates** – *Moderated by Stuart Spencer, Arkansas Department of Environmental Quality*

- Greg Johnson, Liskow & Lewis

3:30 – 3:45 PM Networking Break

3:45– 4:45 PM **Regional Haze Updates** – *Moderated by TBA*

- Air Quality Policy Division, U.S. EPA Office of Air Quality Planning & Standards
- Randy Strait, North Carolina Department of Environmental Quality
- Marc Cone, Maine Department of Environmental Protection

4:45 – 5:30 PM **State Perspectives on NAAQS Reviews** – *Moderated by Dr. Corey Masuca, Jefferson County Department of Health*

- Dr. James Boylan, Georgia Environmental Protection Division
- Keith Baugues, Indiana Department of Environmental Management
- Dr. Michael Honeycutt, Texas Commission on Environmental Quality

Dinner on your own

Wednesday, March 27

(Closed Session, limited to AAPCA members and governmental attendees)

8:00 – 8:45 AM **Committee Breakout Breakfast**

- Tables are labeled with each of AAPCA's 11 technical committees – AAPCA members and governmental attendees are encouraged to eat with a committee of interest.

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8:45 – 9:30 AM	**U.S. EPA Air & Radiation Priorities** – *Moderated by Marc Cone, Maine Department of Environmental Protection* • William Wehrum, Assistant Administrator, U.S. EPA Office of Air & Radiation
9:30 – 10:15 AM	**U.S. EPA Regional Roundup**
10:15 – 10:30 AM	Break
10:30 – 11:15 AM	**AAPCA Member Roundtable: Title V** – *Moderated by TBA* • Rhonda Thompson, South Carolina Department of Health and Environmental Control • Robert Hodanbosi, Ohio Environmental Protection Agency • AAPCA Member Agencies
11:15 AM – 12:00 PM	**SO2 State Implementation Plan Updates** – *Moderated by Hastings Read, Florida Department of Environmental Protection* • Nancy Vehr, Wyoming Department of Environmental Quality • William Montgomery, Arkansas Department of Environmental Quality
12:15 PM	**AAPCA Members-Only Lunch & Meeting Debrief**

DRAFT

ED_002402_00060229-00003

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 1/29/2019 10:00:23 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
CC: nancy.vehr1@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user59f14cc3]; Marc Cone [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userac5e2133]
Subject: Invitation - AAPCA 2019 Spring Meeting (March 25 - 27 in Baton Rouge, LA)
Attachments: Wehrum - AAPCA 2019 Spring Meeting - 1-28-19.pdf

Assistant Administrator Wehrum,

I hope you are well, and that everything is getting back to normal following the recent furlough. On behalf of the Association of Air Pollution Control Agencies (AAPCA), I am writing to invite you to attend and present at AAPCA's 2019 Spring Meeting, which will be held March 25 to 27 in Baton Rouge, Louisiana. AAPCA represents 47 state and local air agencies, and senior officials from 22 state environmental agencies currently sit on AAPCA's Board of Directors. More information on the Association's upcoming meeting is available in the enclosed, formal invitation from 2019 AAPCA President Nancy Vehr, Administrator for the Wyoming DEQ Air Quality Division, and 2019 AAPCA Vice President Marc Cone, Director for the Maine DEP Bureau of Air Quality.

If you are available to present, AAPCA members would be particularly interested in hearing from you about recent and upcoming priorities for the Office of Air and Radiation, as well as opportunities for continued engagement on issues like NAAQS review and implementation, diesel emission systems tampering and related standards, interstate transport, air toxics, and resource priorities. The meeting is closed press. Sessions on March 25 and 26 will be open to all attendees, while programming on March 27 will be limited to AAPCA members and governmental attendees.

Thank you for your consideration of this request. AAPCA's membership truly appreciated your participation at the Association's 2018 Fall Business Meeting, and we look forward to continuing a productive dialogue at our Spring Meeting in Baton Rouge. Please let me know if you have any questions, or if we can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2019 SPRING MEETING

March 25 – 27 | Hilton Baton Rouge Capitol Center | Baton Rouge, Louisiana

January 29, 2019

Mr. William Wehrum
Assistant Administrator, Office of Air and Radiation (OAR)
U.S. Environmental Protection Agency (EPA)
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, D.C. 20460

Dear Assistant Administrator Wehrum,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we would like to invite you to attend and speak at AAPCA's 2019 Spring Meeting, which will be held from March 25 to 27 at the Hilton Baton Rouge Capitol Center in Baton Rouge, Louisiana. AAPCA is a consensus-driven organization representing 47 state and local air agencies on technical Clean Air Act issues. Regular attendance and participation by senior U.S. EPA officials at previous Association meetings has been greatly valued by our membership.

More information on AAPCA's 2019 Spring Meeting is available on the Association's website (www.cleanairact.org). The meeting is closed to the press, and programming on March 27 will be limited to federal, state, and local agency personnel and their multijurisdictional organizations (with non-governmental attendees participating in the first two days). AAPCA's 2018 Fall Business Meeting included participation from nearly 150 attendees, including senior officials from nearly 30 state and local air agencies.

Thank you for your consideration of our request. If your schedule permits, AAPCA's members look forward to seeing you in Baton Rouge and discussing opportunities to work together on Clean Air Act issues. If you have any questions, please contact Mr. Jason Sloan, AAPCA's Executive Director, at jsloan@csg.org or (859) 244-8043.

Sincerely,

Nancy E. Vehr

Nancy Vehr
Administrator, Air Quality Division
Wyoming Department of Environmental Quality
2019 President, AAPCA

Marc Allen Robert Cone

Marc Cone
Director, Bureau of Air Quality
Maine Department of Environmental Protection
2019 Vice President, AAPCA

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 1/3/2019 4:30:22 PM
To: Jason Sloan [jsloan@csg.org]
Subject: Registration Open for AAPCA 2019 Spring Meeting (March 25-27 in Baton Rouge)
Attachments: ATT00001.txt

Happy New Year! Registration is now open for the Association of Air Pollution Control Agencies' (AAPCA) 2019 Spring Meeting, to be held March 25 to 27 in Baton Rouge, Louisiana. The registration rate for AAPCA members and governmental attendees is $150, and includes programming on March 25, 26, and 27. The registration rate for non-governmental attendees is $375, and includes programming on March 25 and 26. AAPCA's 2019 Spring Meeting will be held at the Hilton Baton Rouge Capitol Center in downtown Baton Rouge.

AAPCA's 2019 Spring Meeting will include presentations and panels with AAPCA state and local members, staff from U.S. EPA and other federal agencies, and other experts on a range of timely Clean Air Act topics. Included below is the agenda outline for the meeting:

- March 25: Afternoon topical session (topic TBA), followed by an Opening Reception that evening (both open to all attendees)
- March 26: Programming from approximately 8:00 AM to 5:00 PM, with breakfast and the Keynote Luncheon include with registration (open to all attendees)
- March 27: Programming from approximately 8:00 AM to 12:00 PM (AAPCA members and governmental attendees only)

Registration Type	**Rate** (Click to Register)	**Days Included**
AAPCA Members and Governmental Attendees	$150.00	March 25, 26, 27
Non-Governmental Attendees	$375.00	March 25, 26
Hilton Baton Rouge Capitol Center	$105/night +taxes/fees Click here to book in meeting hotel block *Hotel Deadline: March 3, 2019*	

The Visit Baton Rouge website has information on downtown Baton Rouge, including events, things to do, and places to eat. As a reminder, you can find agendas and presentations from previous AAPCA meetings on the Association's website.

We look forward to seeing you in March – Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States

Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 2/13/2019 3:43:15 PM
To: Jason Sloan [jsloan@csg.org]
Subject: AAPCA Seeks Nominations for 2019 Best Practices in Air Pollution Control

AAPCA
Association of Air Pollution Control Agencies

Nomination Period Now Open for 2019 Best Practices in Air Pollution Control
Applications due March 22, 2019

Do you know of groundbreaking technology, innovative practices, or exemplary operations in the field of air pollution control? The Association of Air Pollution Control Agencies (AAPCA) is seeking nominations from public agencies, private entities, and individuals for 2019 best practices in the field. Of particular interest are activities that are directly transferrable to the operation of an air pollution control agency.

How to Nominate
Anyone can identify and recommend that a certain organization, control technology, or operation be identified as a "best practice." Just fill out the form available on AAPCA's website to provide the required information for the best practice nomination. The deadline to submit nominations is **March 22, 2019**.

Evaluation Process
AAPCA's Best Practices Committee will evaluate each nomination for a "best practice" on a scale of 0 – 100. Nominations receiving a score of 90 or higher will be recommended as a "Best Practice."

Sharing of Information
The purpose of having "best practices" recognition is to transfer information to various parties to expand the best practices to a larger group of people. The sponsor of the best practice will be invited to give a presentation at the 2019 AAPCA Fall Business Meeting, to be held August 26 to 28 in Raleigh, North Carolina. In addition, the best practices information will be provided on the public version of the AAPCA website.

Questions
Any questions on the process may be directed to the AAPCA Executive Director at jsloan@csg.org or the chairperson of the AAPCA Best Practices Committee at Robert.Hodanbosi@epa.ohio.gov.

Click here for more information and to submit your nomination today!

Thank you,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2019 SPRING MEETING

March 25 – 27 | Hilton Baton Rouge Capitol Center | Baton Rouge, Louisiana

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 7/24/2018 2:55:54 PM
To: Jason Sloan [jsloan@csg.org]
Subject: Reminder: One Month Left to Register for AAPCA's Fall Business Meeting (Sept. 17 - 19 in Raleigh, NC)

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

As a reminder, there is just **one month left to** register for the Association of Air Pollution Control Agencies' (AAPCA) 2018 Fall Business Meeting, scheduled for **September 17 to 19 in Raleigh, North Carolina.** The registration rate for AAPCA members and governmental attendees is $125, and includes programming on September 17, 18, and 19. The registration rate for non-governmental attendees is $350 for programming on September 17 and 18. You can register through AAPCA's website, which includes a direct link to make hotel reservations with the Raleigh Marriott Crabtree Valley Hotel (500 Marriott Drive, Raleigh, NC 27612) at a nightly rate of $115.00 plus applicable taxes and fees. **The hotel cut-off and registration deadline is August 24, 2018.**

AAPCA's 2018 Fall Business Meeting will kick off the afternoon of Monday, September 17 with a topical session on infrastructure, followed by an Opening Reception that evening that is open to all attendees. On Tuesday, September 18, the meeting will include a full day of programming open to all interested attendees, as well as lunch with the Keynote Speaker. Sessions on Wednesday, September 19 will be limited to AAPCA members and governmental participants, starting with the AAPCA Committee Breakout Breakfast, an opportunity to interface with AAPCA's committee chairs and members.

In addition to AAPCA's 2018 Best Practice Presentations, the agenda will cover a number of timely Clean Air Act topics, including: NAAQS/SIP/Permitting Updates; Regional Haze; Clean Air Act Legal Updates; Ozone NAAQS Implementation; Mobile Sources Updates; and, modeling and monitoring updates. Speakers have been confirmed from several U.S. EPA offices, as well as a number of AAPCA Member Agencies. AAPCA expects attendance by senior officials from more than two dozen state and local environmental agencies, as well as robust participation from partners at U.S. EPA.

We look forward to seeing you in Raleigh this Fall – Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 8/6/2018 5:19:41 PM
To: Jason Sloan [jsloan@csg.org]
Subject: AAPCA 2018 Fall Business Meeting: Less Than 3 Weeks Left to Register/Book Rooms

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

As a reminder, there are less than three weeks left to register for the Association of Air Pollution Control Agencies' (AAPCA) 2018 Fall Business Meeting, to be held September 17 to 19 in Raleigh, North Carolina. **The hotel cut-off and registration deadline is August 24, 2018.** The registration rate for AAPCA members and governmental attendees is $125, and includes programming on September 17, 18, and 19. The registration rate for non-governmental attendees is $350 for programming on September 17 and 18. You can register through AAPCA's website, which includes a direct link to make hotel reservations with the Raleigh Marriott Crabtree Valley Hotel (500 Marriott Drive, Raleigh, NC 27612) at a nightly rate of $115.00 plus applicable taxes and fees.

AAPCA's 2018 Fall Business Meeting will kick off the afternoon of Monday, September 17 with a topical session on *Infrastructure*, followed by an Opening Reception that evening that is open to all attendees. On Tuesday, September 18, the meeting will include a full day of programming open to all interested attendees, as well as lunch with the Keynote Speaker. Sessions on Wednesday, September 19 will be limited to AAPCA members and governmental participants, starting with the AAPCA Committee Breakout Breakfast, an opportunity to interface with AAPCA's committee chairs and members.

AAPCA expects attendance by senior officials from more than two dozen state and local environmental agencies, as well as robust participation from partners at U.S. EPA. In addition to presentations from AAPCA Member Agencies on timely Clean Air Act issues, AAPCA has confirmed speakers from several U.S. EPA offices and will provide attendees with an agenda closer to the meeting. In addition to AAPCA's 2018 Best Practice Presentations on September 18, the agenda will cover a number of key topics, including: EPA Air Quality Priorities; NAAQS/SIP Updates; Regional Haze; Clean Air Act Legal Updates; Ozone NAAQS Implementation; Permitting Updates; Mobile Sources Updates; and, modeling and monitoring updates.

We look forward to seeing you in Raleigh next month – Thanks!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
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http://www.cleanairact.org

Message

From: Robertson, Kathleen Anne:(BSC) [Kathleen.Robertson@exeloncorp.com]
Sent: 7/10/2018 3:31:23 PM
To: Robertson, Kathleen Anne:(BSC) [Kathleen.Robertson@exeloncorp.com]
Subject: Invitation: Exelon Innovation Expo - Washington Convention Center, August 16, 2018
Attachments: image006.emz

Kathleen Robertson
Sr. Manager, Environmental Policy & Wholesale Market Development
Federal Regulatory Affairs

Exelon.

Exelon Corporation
101 Constitution Ave., NW Suite 400 East | Washington, DC 20001
Office: 202 637 0356 | Mobile: 202 309 7787
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Please join us for the Exelon 2018 Innovation Expo

August 16, 2018
Walter E. Washington Convention Center
801 Mt Vernon Place NW
Washington, DC 20001

This event showcases how Exelon is preparing for our energy future success by developing new ways to serve consumers' needs for safe, reliable, resilient, and affordable clean energy.

The theme is "Reinventing Energy in Our Cities" and will include mayors of some of our largest city centers to discuss how Exelon is partnering with them on Smart Cities and other key initiatives that are occurring in our major customer hubs.

Another highlight of the Innovation Expo is the employee display contest, where our employees present their insightful, forward-thinking ideas for improving the way we work. For more details on the event agenda, visit 2018 Innovation Expo website.

We look forward to seeing you on August 16.

REGISTER TODAY

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 7/2/2018 12:18:40 PM
To: Jason Sloan [jsloan@csg.org]
Subject: AAPCA Releases 2018 Edition of The Greatest Story Seldom Told

FOR IMMEDIATE RELEASE

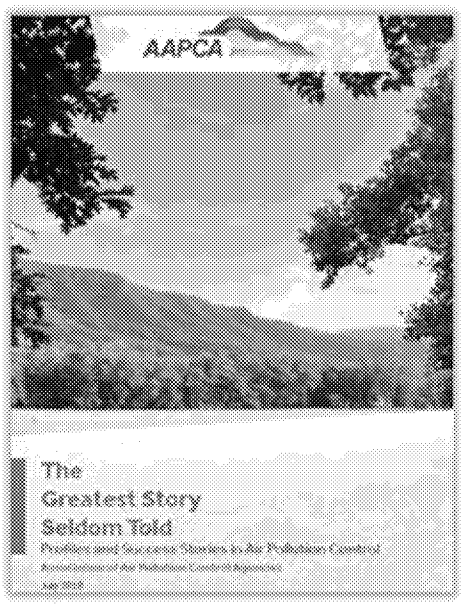
AAPCA Releases 2018 Edition of *The Greatest Story Seldom Told*
Annual air quality report highlights key metrics and success stories from state and local air quality agencies

July 2, 2018
Lexington, KY

Today, the Association of Air Pollution Control Agencies (AAPCA) released the 2018 edition of *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*. State and local air agencies have been at the forefront of the significant progress in air quality that has been achieved over the past several decades.

First published in April 2017, AAPCA's report catalogues air quality metrics and trends using publicly available data from the U.S. Environmental Protection Agency and other agencies. These trends range from concentrations of criteria air pollutants and visibility progress in national parks to permitting and compliance and enforcement statistics. Where applicable, this report also presents the trend lines of economic and social indicators that provide important context for air quality.

In cases where data sets allow state-to-state comparisons, the report highlights areas where the twenty states that serve on the AAPCA Board of Directors have provided leadership in improving air quality.

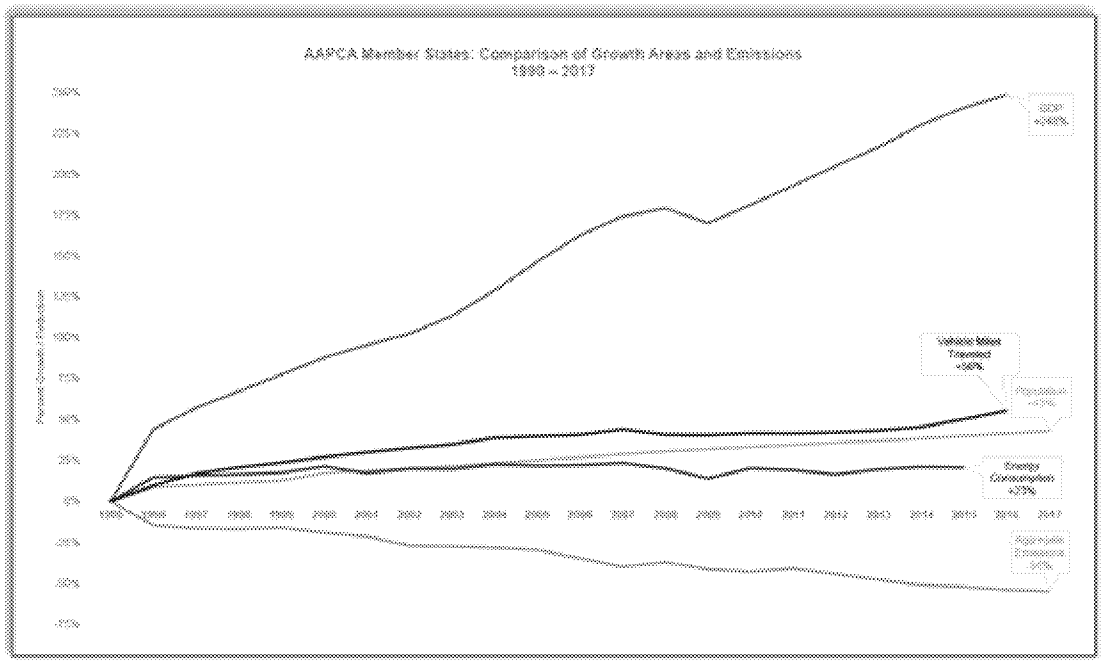


"The remarkable progress that has been made in air quality is a great story that underscores the work of state and local air agencies," said AAPCA President Stuart Spencer, Associate Director for the Arkansas Division for Air Quality. "The 2018 edition of *The Greatest Story Seldom Told* continues to provide vital context for this improvement, and demonstrates that AAPCA members are dedicated to engaging with U.S. EPA and stakeholders to realize the best outcomes for air quality."

AAPCA Vice President Nancy Vehr, Air Quality Administrator for the Wyoming Department of Environmental Quality added that "AAPCA members are proud to highlight the successes that have been achieved in controlling for air pollution. As this report shows, state members of the Association have provided leadership in nearly every metric while accommodating growing populations and economies."

Some key statistics from 2018 edition of *The Greatest Story Seldom Told* include:

- As of 2016, combined emissions of the six criteria air pollutants for which there are national ambient air quality standards were down 73 percent since 1970.
- According to U.S. EPA's analysis of 2016 monitoring data, there has been at least a 30-percent reduction in the ambient levels of carbon monoxide, lead, nitrogen dioxide, ozone and sulfur dioxide since 1980, and available monitoring data for fine and coarse particulate matter ($PM_{2.5}$ and PM_{10}) show similar trends.
- From 2006 to 2016, AAPCA Member States were responsible for approximately 66.5 percent of the national reduction in reported toxic air releases, accounting for more than 551-million pounds of the 829-million-pound total reduction.
- Between 1997 and 2017, AAPCA Member States reduced nitrogen oxide emissions by nearly 60 percent, from over 12,600 tons to less than 5,400 tons.
- As of 2016, AAPCA Member States had reduced electricity sector sulfur dioxide emissions by 9.3 million tons compared to 1990.
- From 2000 to 2015, the 20 states that comprise the AAPCA Board of Directors reduced energy-related carbon dioxide emissions by 337.4 million metric tons, accounting for more than 56 percent of cumulative national reductions.
- According to U.S. EPA's Enforcement and Compliance History Online (ECHO), states were the leaders in full compliance evaluations related to the Clean Air Act, conducting full compliance evaluations for more than 14,000 facilities in 2017, more than 80 times as many that were conducted by EPA.



AAPCA Background

The Association of Air Pollution Control Agencies (AAPCA) is a national, non-profit, consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. AAPCA members work collaboratively on behalf of states and the communities they protect to act as a conduit for and provide feedback to federal regulators on air quality rules that have significant impacts across the entire nation. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. AAPCA is housed in Lexington, Kentucky as an affiliated association of The Council of State Governments (CSG).

Association of Air Pollution Control Agencies | 1776 Avenue of the States | Lexington, Kentucky 40511
www.cleanairact.org | @AAPCA_States

# # #

[PERMALINK]

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 10/24/2018 4:51:02 PM
To: Jason Sloan [jsloan@csg.org]
Subject: RE: Agenda for Rescheduled AAPCA 2018 Fall Business Meeting
Attachments: ATT00001.txt; AAPCA 2018 Fall Business Meeting - DRAFT Agenda - New Dates - 10-24-18.pdf

AAPCA Fall Business Meeting Speakers,

Thank you for your willingness to present at the Association of Air Pollution Control Agencies' (AAPCA) upcoming 2018 Fall Business Meeting, and for working with AAPCA as we rescheduled due to Hurricane Florence. As a reminder, the meeting will be held November 13 – 15 in Raleigh, North Carolina, at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University. This email is to provide an updated agenda (attached) and a reminder about some key logistics for the meeting, which are included below:

- Biography. If you have not already provided a biography, please send a 1 – 2 paragraph biography to nkilby@csg.org as soon as possible. Biographies will be provided to all attendees with other meeting materials.
- Agenda & Session Information. Attached to this email is a current draft of the agenda for the 2018 Fall Business Meeting. AAPCA members will be serving as moderators and providing a brief introduction to each panel/presentation. Please let me know if there are any necessary changes to your title or the title of your session by 6:00 PM Eastern this Friday, October 26.
- Presentation Materials. At the meeting, AAPCA will have a computer, screen package, podium, and head table with two microphones. Please provide a copy of any slides or presentation materials to jsloan@csg.org by 6:00 PM Eastern on Thursday, November 8. Please also let us know as soon as possible if you will need video, sound or internet capability for your presentation, or if there are any restrictions on placing slides or other presentation materials on AAPCA's website.
- Registration & Hotel. The registration page and hotel block for the Fall Business Meeting have now closed. Please contact me with any questions or concerns regarding registration or hotel rooms.

As a reminder, the topical session on *Infrastructure* (1:00 – 3:30 PM) and Opening Reception (6:00 PM) on November 13 are open to all governmental and non-governmental participants, as is all programming on November 14, which will run from approximately 8:00 AM until 5:30 PM. The sessions on November 15, scheduled from 8:00 AM until 12:00 PM, are limited to state, local, and federal attendees. All sessions are closed press. We will send out a registration list, final agenda, and other meeting details one week in advance of the meeting, but we are expecting approximately 140 participants during open sessions, including more than 60 senior officials from two dozen state and local air agencies and nearly 40 participants from U.S. EPA.

Please let me know if you have any other questions, suggestions, or if there is anything else we can do to help facilitate your participation – Thanks!

Jason E. Sloan
Executive Director
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Lexington, KY 40511
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jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Friday, September 14, 2018 12:48 PM

To: Jason Sloan <jsloan@csg.org>
Subject: Agenda for Rescheduled AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Presenters,

As announced earlier this week, the Association of Air Pollution Control Agencies (AAPCA) has rescheduled its 2018 Fall Business Meeting for November 13 – 15 at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University in Raleigh, North Carolina. The initial announcement is included below. In the following weeks, AAPCA will be working with all previously confirmed speakers to make any necessary changes to the agenda, which currently maintains the same structure and scheduling for sessions (more details on the outline are included in the email below).

This communication is to check on your availability for the new dates of November 13 – 15. Please reply to this email to indicate whether you will be available mid-November to present, or if the new dates do not work for your schedule. Alternatively, you can contact me at (859) 244-8043 with any questions.

On behalf of AAPCA, we apologize for any inconvenience and thank you for working with us to continue to put together a successful 2018 Fall Business Meeting.

Thank you,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Wednesday, September 12, 2018 2:08 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Rescheduled: AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Registrants,

Due to the forecasted impacts of Hurricane Florence on the United States Eastern Coast, the Association of Air Pollution Control Agencies (AAPCA) will not be holding the 2018 Fall Business Meeting next week in Raleigh, North Carolina. This email is to communicate several meeting-related details and updates.

- Rescheduled Dates / New Location. AAPCA has rescheduled the meeting for **November 13 – 15** at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University (1707 Hillsborough Street, Raleigh, North Carolina, 27605). A link to reserve rooms in the new hotel block at the DoubleTree by Hilton Hotel Raleigh-Brownstone-University will be provided to all registrants when available.

- *Note: The Raleigh Marriott Crabtree Valley Hotel will be canceling reservations in the previous hotel block for AAPCA's 2018 Fall Business Meeting, and those with room reservations do not need to contact the hotel directly. If you have any concerns and would like to contact the Raleigh Marriott Crabtree Valley Hotel, the number is (919) 781-7000.*

- Meeting Registration. All meeting registrations will be moved to the rescheduled dates for the 2018 Fall Business Meeting (November 13 – 15). For those individuals that are currently registered but unable to join the meeting for the rescheduled dates, AAPCA will provide the following options: (1) A full refund; or, (2) the opportunity to transfer the registration to AAPCA's 2019 Spring Meeting (March 25 – 27 in Baton Rouge, Louisiana). Please email jsloan@csg.org if you have specific questions about your registration status.
- Meeting Agenda. AAPCA will be working with previously confirmed speakers to maintain the agenda for the 2018 Fall Business Meeting, and will provide a more detailed agenda to all attendees as soon as possible. Currently, AAPCA intends to continue with the following meeting outline:
  - November 13: Topical session on *Infrastructure* (1:00 – 3:30 PM) and Opening Reception (6:00 PM) [open to all governmental and non-governmental participants]
  - November 14: Open session programming from 8:00 AM – 5:15 PM, to include AAPCA Best Practices Presentations and the Keynote Luncheon [open to all governmental and non-governmental participants]
  - November 15: Closed session programming from 8:00 AM – 12:15 PM [limited to state, local, and federal attendees]
- Plane Flights. The terms and conditions of either canceling or rescheduling flights varies by individual airline. Please contact your airline for more information regarding their policies.

Thank you for your interest in AAPCA's 2018 Fall Business Meeting, and apologies for any inconvenience. Please contact Jason Sloan, AAPCA's Executive Director, at (859) 244-8043 or jsloan@csg.org with any questions or concerns.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

From: Jason Sloan
Sent: Monday, September 10, 2018 7:01 PM
To: Jason Sloan <jsloan@csg.org>
Subject: Update on AAPCA 2018 Fall Business Meeting

AAPCA Fall Business Meeting Registrants,

The Association of Air Pollution Control Agencies (AAPCA) is closely tracking Hurricane Florence and forecasted impacts along the United States East Coast, and is in contact with U.S. EPA and state agencies. By early this Wednesday, September 12, AAPCA intends to communicate a final decision to registered attendees and speakers concerning the scheduling of the 2018 Fall Business Meeting (currently scheduled for September 17 – 19 in Raleigh, North Carolina). Should the meeting be postponed or rescheduled, AAPCA will provide information regarding hotel reservations and meeting registration.

Thank you for your interest in AAPCA's 2018 Fall Business Meeting. If you have any questions regarding the meeting, please contact Jason Sloan, AAPCA's Executive Director, at jsloan@csg.org or (859) 244-8043.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies

1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

November 13-15 | DoubleTree Raleigh-Brownstone-University | Raleigh, North Carolina

Meeting Agenda
DRAFT – 10/24/18

Tuesday, November 13
All sessions held in __, __ (unless otherwise noted)

10:00 AM – 5:30 PM **Registration**, ___

1:00 – 3:30 PM **Topical Session: Infrastructure** – *Moderated by Lynne Liddington, Knox County Air Quality Management* (open to all attendees)
- National Update/General Overview
  - Sean Slone, The Council of State Governments
- Infrastructure Planning
  - Vera Kornylak, U.S. EPA, Air Quality Policy Division
  - Alex Bond, Edison Electric Institute
  - Rick Sapienza, North Carolina Clean Energy Technology Center, North Carolina State University
- IT/Networks
  - Craig Walton, AT&T
  - Leslie Rhodes, Mecklenburg County Air Quality

3:45 – 5:45 PM **AAPCA Air Directors/Board Business Session**
(Board members or their designees), ___

6:00 – 7:15 PM **Opening Reception**
(cash bar & hors d'oeuvres; open to all attendees), ___

Wednesday, November 14
*All sessions held in ___, ___ (unless otherwise noted) and **open to all attendees***

8:00 AM **Breakfast Buffet**

8:30 AM **Welcome/Opening Remarks**
- Sheila Holman, Assistant Secretary for Environment, North Carolina Department of Environmental Quality, and AAPCA Leadership

8:45 – 9:30 AM **2018 AAPCA Best Practice Presentations** – *Moderated by Robert Hodanbosi, Ohio Environmental Protection Agency*

9:30 – 9:40 AM Break

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9:40 – 10:40 AM **U.S. EPA Air & Radiation Priorities** – *Moderated by Nancy Vehr, Wyoming Department of Environmental Quality and 2019 AAPCA President*

- William Wehrum, Assistant Administrator, U.S. EPA Office of Air & Radiation

10:40 AM – 12:00 PM **NAAQS and Other Implementation Updates** – *Moderated by Vivian Aucoin, Louisiana Department of Environmental Quality and AAPCA Secretary/Treasurer*

- Megan Brachtl, U.S. EPA, Air Quality Policy Division, State & Local Programs Group
- Michael Ling, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group

12:05 – 1:10 PM **Lunch with Keynote Speaker** – *Introduction by Marc Cone, Maine Department of Environmental Protection and 2019 AAPCA Vice President*

- Dr. Armistead "Ted" Russell, Professor of Civil and Environmental Engineering, Georgia Institute of Technology

1:15 – 2:15 PM **State Perspectives on Ozone NAAQS Implementation** – *Moderated by Sean Alteri, Kentucky Department for Environmental Protection*

- Keith Baugues, Indiana Department of Environmental Management
- Timothy Franquist, Arizona Department of Environmental Quality
- Steve Hagle, Texas Commission on Environmental Quality

2:15 – 3:00 PM **Permitting Updates** – *Moderated by John Dawson, Florida Department of Environmental Protection*

- Juan Santiago, U.S. EPA, Air Quality Policy Division
- Kelly Poole, Environmental Council of States (ECOS)

3:00 – 3:10 PM Break

3:10 – 4:00 PM **Mobile Sources Updates & Priorities** – *Moderated by Rhonda Thompson, South Carolina Department of Health & Environmental Control*

- Leila Cook, U.S. EPA Office of Transportation & Air Quality

4:00 – 4:45 PM **Modeling & Monitoring Updates** – *Moderated by Larry Brown, Alabama Department of Environmental Management*

- Nealson Watkins, U.S. EPA, Air Quality Assessment Division, Ambient Air Monitoring Group
- Brian Timin, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group
- Chris Owen, U.S. EPA, Air Quality Assessment Division, Air Quality Modeling Group

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4:45 – 5:30 PM **Regional Haze Updates and Perspectives** – *Moderated by Amber Potts, Wyoming Department of Environmental Quality*

- Melinda Beaver, U.S. EPA, Air Quality Policy Division, Geographic Strategies Group
- David Foerter, Mid-Atlantic/Northeast Visibility Union (MANE–VU) and Ozone Transport Commission
- Zac Adelman, Lake Michigan Air Directors Consortium (LADCO)

Dinner on your own

Thursday, November 15

All sessions held in ___, ___ (unless otherwise noted) and ***Closed Session****, limited to AAPCA members and governmental attendees*

8:00 – 8:55 AM **Committee Breakout Breakfast**, ___

- Tables are labeled with each of AAPCA's 11 technical committees – AAPCA members and governmental attendees are encouraged to eat with a committee of interest.

9:00 – 9:45 AM **U.S. EPA Office of General Counsel Updates** – *Moderated by Stuart Spencer, Arkansas Department of Environmental Quality and AAPCA 2018 President*

- Matthew Leopold, General Counsel, U.S. EPA

9:45 – 10:15 AM **U.S. EPA Office of Air Quality Planning & Standards Priorities** – *Moderated by Jimmy Johnston, Tennessee Department of Environment & Conservation*

- Peter Tsirigotis, Director, U.S. EPA Office of Air Quality Planning & Standards

10:15 – 10:25 AM Break

10:25 – 11:00 AM **Emerging Compounds Updates** – *Moderated by William Durham, West Virginia Department of Environmental Protection*

- Michael Pjetraj, North Carolina Department of Environmental Quality

11:00 AM – 12:00 PM **AAPCA Member Roundtable: Wood Products** – *Moderated by Chad LaFontaine, Mississippi Department of Environmental Quality*

- Karen Hays, Georgia Environmental Protection Division
- Eric Kennedy, Maine Department of Environmental Protection
- Michael Pjetraj, North Carolina Department of Environmental Quality

12:00 PM **AAPCA Members-Only Lunch & Meeting Debrief**, ___

DRAFT

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 6/26/2018 3:30:11 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]; spencer@adeq.state.ar.us; nancy.vehr1@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user59f14cc3]
Subject: Invitation to Present at AAPCA's Fall Business Meeting, September 17 - 19 in Raleigh, NC
Attachments: Wehrum - 2018 Fall Business Meeting - 6-26-18.pdf

Assistant Administrator Wehrum,

I hope all is well! On behalf of the Association of Air Pollution Control Agencies (AAPCA), I am writing to invite you to attend and present at AAPCA's 2018 Fall Business Meeting, which will be held September 17 – 19 in Raleigh, North Carolina. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. More information on the Association's upcoming meeting is available in the enclosed, formal invitation from 2018 AAPCA President Stuart Spencer, Associate Director for the Arkansas DEQ, and 2018 AAPCA Vice President Nancy Vehr, Air Quality Division Administrator for the Wyoming DEQ.

Regular attendance and participation by senior U.S. EPA officials at AAPCA's meetings has been greatly valued by the Association's membership. AAPCA's 2018 Spring Meeting provided the opportunity for more than 150 attendees, including senior air officials from nearly 30 state and local environmental agencies, to interface with U.S. EPA staff from the Offices of the Administrator, Air and Radiation, Enforcement and Compliance Assurance, as well as several EPA regions. AAPCA members would be particularly interested in hearing from you about recent and upcoming priorities for the Office of Air and Radiation, as well as opportunities for continued engagement on issues like NAAQS review and implementation, interstate transport, air toxics, and resource priorities.

Thank you for your consideration. Please let me know if you have any questions about AAPCA's 2018 Fall Business Meeting, or if we can provide any additional information.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 3/19/2018 12:51:08 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Subject: Thank You

Bill,

Thank you for joining AAPCA's Air Directors Call last Thursday. Our members appreciated your time and the information provided, and we look forward to continuing to work with U.S. EPA.

Best,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 12/4/2018 9:18:51 PM
To: Jason Sloan [jsloan@csg.org]
Subject: SAVE THE DATE: AAPCA 2019 Spring Meeting in Baton Rouge, LA
Attachments: ATT00001.txt

Please save the date for the Association of Air Pollution Control Agencies' (AAPCA) 2019 Spring Meeting, which will be held March 25 to 27 in Baton Rouge, Louisiana at the Hilton Baton Rouge Capitol Center.

Registration for AAPCA's 2019 Spring Meeting will open on the Association's website in early January. The registration rate for AAPCA members and governmental attendees will be $150, and include programming on March 25, 26, and 27. The registration rate for non-governmental attendees will be $375, and include programming on March 25 and 26.

The Hilton Baton Rouge Capitol Center is now accepting reservations in the room block for AAPCA's 2019 Spring Meeting at a nightly rate of $105 plus applicable taxes/fees. Reservations can be made online here, or by contacting the hotel at (225) 344-5866. The hotel cut-off date is currently March 3, 2019, and the hotel link provides additional information on directions, parking, internet, and amenities.

More information on AAPCA's previous meetings can be found on the Association's website, including presentations from AAPCA's 2018 Fall Business Meeting.

We look forward to seeing you in Baton Rouge in March!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
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Message

From: Weinstock, Larry [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=ABF6EF85ED154D13AA590EA7C0ADDAC2-WEINSTOCK, LARRY]
Sent: 6/22/2018 9:03:26 PM
To: Shoaff, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ac16fb09cf2c44adb34a7405dc331532-JShoaff]; 'Adrian Shelley' [ashelley@citizen.org]; 'Adrienne Hollis' [adrienne@weact.org]; 'Andrew Hoekzema' ['ahoekzema@capcog.org']; 'Beth Thornton (Flint' [beth.thornton@dec.ny.gov]; 'Brian Mormino' [gt495@cummins.com]; 'Carolyn Keyes (Brown' [ckeys@usw.org]; dgreenbaum@healtheffects.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9ec93cef9f064b97bcc1e68b4d53b377-dgreenbaum@healtheffects.org]; 'Daniel Nickey' [daniel.nickey@uni.edu]; 'David Foerter' [dfoerter@otcair.org]; 'Frank Prager' [frank.prager@xcelenergy.com]; 'Gary Jones' [gjones@printing.org]; 'Gillian Middlestaedt' [gmittelstaedt@thhnw.org]; 'Jennifer Brown (Rochford' [brown_jennifer_m@cat.com]; 'Jennifer Kreusch' [jennifer.kreusch@lilly.com]; 'Kimberly Scarborough' [kimberly.scarborough@pseg.com]; kris.ray@colvilletribes.com [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a1da6039dc1e4f2d9c84a2598016004a-kris.ray@colvilletribes.com]; 'Kromeklia Bryant (Foerter' [kbryant@otcair.org]; laliddington@aqm.co.knox.tn.us [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=90324dfb701a4c039eab0da4815edffd-laliddington@aqm.co.knox.tn.us]; mary@whatsinourair.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2ea9291d7dd845d0be317f4c30d370f8-mary@whatsi]; 'Mary Uhl' [maryuhl@westar.org]; mlaw0329@gmail.com; 'Michael Buser' [buser@okstate.edu]; 'Mike Rochford' [rochford_mike@cat.com]; 'Mike Silverstein' [mike.silverstein@state.co.us]; 'Mitch Hescox' [mitch@creationcare.org]; reecemc@dhec.sc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=514d8da796ca4e1a8c0cdf6979618732-reecemc@dhec.sc.gov]; 'Nancy Kruger' [nkruger@4cleanair.org]; natalene.cummings@fcpotawatomi-nsn.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e1e414982ace41dc9a62890ae72be1de-natalene.cummings@fcpotawatomi-nsn.gov]; 'Patricia Strabbing' [patricia.strabbing@fcagroup.com]; 'Peter Pagano' [peter.a.pagano@boeing.com]; 'Renee Baecker (Reece' [baeckerr@dhec.sc.gov]; 'Rhonda Anderson' [rhonda.anderson@sierraclub.org]; 'Robert Hodanbosi' [Robert.Hodanbosi@epa.ohio.gov]; 'Robert Morehouse' Personal Privacy / Ex. 6 Robert.Wyman@LW.com [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3386628dfac1492691741359d34f7fcf-Robert.Wyman@LW.com]; 'Roxanne Brown' [rbrown@usw.org]; 'Sara Hayes' [shayes@aceee.org]; 'Sherri Osse (Prager' [sherri.g.osse@xcelenergy.com]; 'Steven Flint' [steven.flint@dec.ny.gov]; 'Steven Marcus' [stevenMmarcusMD@[redacted]n]; 'Susan Collet' [susan.collet@toyota.com]; 'Ted Steichen' [SteichenT@api.org]; Tim_hunt@afandpa.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f3b96873b8154c8b8b6955d799e272b8-Tim_hunt@afandpa.org]; 'Tomas Carbonell' [tcarbonell@edf.org]
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Lubetsky, Jonathan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e125d09a658e48119789ccae5712b4a5-JLUBETSK]
Subject: CAAAC Agenda Suggestions

Dear CAAAC,

As I said in my last email, we currently developing the meeting agenda. As we do so we would welcome hearing what topics may be of interest to you.

I would also request that as you finalize your plans that you let us know if you will or will not be able to attend our next meeting (details below).

Thank you and have a great weekend.

Larry Weinstock

Program Innovation Coordinator
Office of Air Policy and Program Support
Office of Air and Radiation
US Environmental Protection Agency
1200 Pennsylvania Avenue
Washington, D.C. 20460
202-564-9226

From: Weinstock, Larry
Sent: Friday, June 15, 2018 4:21 PM
To: Shoaff, John <Shoaff.John@epa.gov>; 'Adrian Shelley' <ashelley@citizen.org>; 'Adrienne Hollis' <adrienne@weact.org>; 'Andrew Hoekzema' <'ahoekzema@capcog.org'>; 'Beth Thornton (Flint' <beth.thornton@dec.ny.gov>; 'Brian Mormino' <gt495@cummins.com>; 'Carolyn Keyes (Brown' <ckeys@usw.org>; dgreenbaum@healtheffects.org; 'Daniel Nickey' <daniel.nickey@uni.edu>; 'David Foerter' <dfoerter@otcair.org>; 'Frank Prager' <frank.prager@xcelenergy.com>; 'Gary Jones' <gjones@printing.org>; 'Gillian Middlestaedt' <gmittelstaedt@thhnw.org>; 'Jennifer Brown (Rochford' <brown_jennifer_m@cat.com>; 'Jennifer Kreusch' <jennifer.kreusch@lilly.com>; 'Kimberly Scarborough' <kimberly.scarborough@pseg.com>; 'Kris Ray (ENV)' <Kris.Ray@colvilletribes.com>; 'Kromeklia Bryant (Foerter' <kbryant@otcair.org>; laliddington@aqm.co.knox.tn.us; 'Mary Peveto' <mary@whatsinourair.org>; 'Mary Uhl' <maryuhl@westar.org>; 'mlaw0329@[redacted] <[redacted]>; 'Michael Buser' <buser@okstate.edu>; 'Mike Rochford' <rochford_mike@cat.com>; 'Mike Silverstein' <mike.silverstein@state.co.us>; 'Mitch Hescox' <mitch@creationcare.org>; 'Reece, Myra' <reecemc@dhec.sc.gov>; 'Nancy Kruger' <nkruger@4cleanair.org>; natalene.cummings@fcpotawatomi-nsn.gov; 'Patricia Strabbing' <patricia.strabbing@fcagroup.com>; 'Peter Pagano' <peter.a.pagano@boeing.com>; 'Renee Baecker (Reece' <baeckerr@dhec.sc.gov>; 'Rhonda Anderson' <rhonda.anderson@sierraclub.org>; 'Robert Hodanbosi' <Robert.Hodanbosi@epa.ohio.gov>; 'Robert Morehouse' <[redacted] Robert.Wyman@LW.com; 'Roxanne Brown' <rbrown@usw.org>; 'Sara Hayes' <shayes@aceee.org>; 'Sherri Osse (Prager' <sherri.g.osse@xcelenergy.com>; 'Steven Flint' <steven.flint@dec.ny.gov>; 'Steven Marcus' <stevenMmarcusMD@[redacted] 'Susan Collet' <susan.collet@toyota.com>; 'Ted Steichen' <SteichenT@api.org>; Tim_hunt@afandpa.org; 'Tomas Carbonell' <tcarbonell@edf.org>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Lubetsky, Jonathan <Lubetsky.Jonathan@epa.gov>
Subject: CAAAC 2018 Meeting Date

Dear CAAAC,

We have a hotel so we can confirm the date for our next meeting, September 26th and 27th 2018. The meeting will be held at the Holiday Inn Arlington at Ballston, 4610 Fairfax Drive, Arlington, VA 22203, and you can now make sleeping room reservations. They can either use this link https://book.passkey.com/e/49705055 or call 1-866-876-4238.

The agenda is not yet finalized, but for planning purposes, please plan to be at the meeting from 1 pm on the 26th and end at 12 pm on the 27th. When thinking about flights or trains, note that travel time to and from the hotel at mid-day can be anywhere from about 20 minutes to Reagan National Airport or 30 to 40 minutes from Union Station or Dulles and at least an hour from BWI. Washington area traffic is unpredictable so your travel time may vary especially from Union Station or BWI. In a pinch you can take side streets to National Airport so it is unlikely to ever be much more than 30 minutes. For those who want to use the train it is a 3 minute walk from the Ballston Metro Station which is on the both the Orange and Silver lines. Please be aware that travel to National Airport or Union Station requires a transfer within the metro system.

As an FYI, If you want to meet people in Washington outside of the meeting times it is an under 20 minute metro ride to downtown DC.

Hotel Reservations

A block of rooms has been reserved for CAAAC members at the Holiday Inn Arlington at Ballston, 4610 Fairfax Drive, Arlington, VA 22203, and you can now make sleeping room reservations. You can either use this link https://book.passkey.com/e/49705055 or call 1-866-876-4238. The hotel cost is the federal per diem rate for Washington, DC. We have reserved some roos for the 25th and 27th for those that need an extra night to comfortably travel and make the meeting.

Travel Assistance

EPA can reimburse you for travel expenses reasonably related to attending this meeting (e.g. airfare, hotel room the night before and night after the meeting, etc.). If you are requesting EPA pay for part or all of your travel, DO NOT make your own travel arrangements. Instead, please contact Mary Resendez in the EPA Office of Air Planning and Program Support at resendez.mary@epa.gov as soon as you can.

Agenda

We are currently developing the meeting agenda. I hope to have it to you soon. We are planning for either a single dinner for the whole group or a number of alternative locations for smaller groups. The hotel may be outside the city but there are a number of very good restaurants in the immediate area representing a wide variety of cuisines including Spanish, Filipino, Russian .

If you have any general questions, please do not hesitate to call me at 202-564-9226 or email me at Weinstock.larry@epa.gov .

Thanks, and I look forward to seeing you all on September 26.

Larry

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 11/16/2017 5:03:37 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
CC: Spencer, Stuart [SPENCER@adeq.state.ar.us]; sean.alteri@ky.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f999b3b9716c4924b5cbb9c4cdf645d0-sean.alteri@ky.gov]; Dominguez, Alexander [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5ced433b4ef54171864ed98a36cb7a5f-Dominguez,]
Subject: RE: Invitation to Present at AAPCA's Spring Meeting, April 4 - 6 in Lexington, KY

Bill,

Thanks so much – please let us know if we can provide any additional information.

Regards,

Jason Sloan

From: Wehrum, Bill [mailto:Wehrum.Bill@epa.gov]
Sent: Wednesday, November 15, 2017 4:57 PM
To: Jason Sloan <jsloan@csg.org>
Cc: Spencer, Stuart <SPENCER@adeq.state.ar.us>; sean.alteri@ky.gov; Dominguez, Alexander <dominguez.alexander@epa.gov>
Subject: RE: Invitation to Present at AAPCA's Spring Meeting, April 4 - 6 in Lexington, KY

Hi Jason. Thanks for the invitation. As I'm sure you can appreciate, I'm still getting settled here. I'll circle back in a few days. I'd very much like to attend, schedule permitting. AAPCA is a great organization.

From: Jason Sloan [mailto:jsloan@csg.org]
Sent: Wednesday, November 15, 2017 4:05 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Spencer, Stuart <SPENCER@adeq.state.ar.us>; sean.alteri@ky.gov; Dominguez, Alexander <dominguez.alexander@epa.gov>
Subject: Invitation to Present at AAPCA's Spring Meeting, April 4 - 6 in Lexington, KY

Assistant Administrator Wehrum,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), congratulations on your recent confirmation. We look forward to working with you and your team on Clean Air Act issues. AAPCA is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. The Association represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. AAPCA is based in Lexington, Kentucky as an affiliated association of The Council of State Governments (CSG).

We write to invite you to attend and present at AAPCA's 2018 Spring Meeting, which will be held in Lexington, Kentucky from April 4 – 6. More information is available in the enclosed invitation from 2018 AAPCA President Stuart Spencer, Associate Director of the Arkansas Department of Environmental Quality, and 2017 AAPCA President Sean Alteri, Director of the Kentucky Division for Air Quality. Regular attendance by senior U.S. EPA officials at Association meetings has been greatly valued by our membership. AAPCA's 2017 Fall Business Meeting included participation from over 150

attendees, including senior air officials from more than 30 state and local environmental agencies. Participants also included nearly 40 U.S. EPA staff from the Offices of Air and Radiation, Research and Development, Inspector General, and Enforcement and Compliance Assurance, as well as several EPA regions. Our members would be especially interested in hearing from you and your staff about recent and forthcoming Clean Air Act issues, cooperative federalism, and opportunities to work together on issues like NAAQS nonattainment, interstate transport, air toxics, and resource priorities.

Please let me know if you have any questions about AAPCA's 2018 Spring Meeting, or if we can serve as a resource on any Clean Air Act issues in the future.

Thanks so much for your consideration, and we look forward to seeing you in Lexington!

Jason E. Sloan
Policy and Membership Associate
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Message

From: Prager, Frank P [Frank.Prager@XCELENERGY.COM]
Sent: 10/31/2018 3:50:18 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Subject: Comments of Xcel Energy on proposed Affordable Clean Energy rule
Attachments: Xcel Energy Comments on Affordable Clean Energy proposed rule_10-31-18.pdf

Assistant Administrator Wehrum,

Attached for your information are the comments filed by Xcel Energy Inc. in the Affordable Clean Energy rule docket today. Please let me know if you have any questions.

Thanks.

Frank Prager
Vice President, Policy & Federal Affairs
Xcel Energy Inc.

Xcel Energy®
RESPONSIBLE BY NATURE®

October 31, 2018

U.S. Environmental Protection Agency
EPA Docket Center
Mail Code 28221T
1200 Pennsylvania Ave., NW.
Washington, DC, 20460

Attention Docket ID No. EPA-HQ-OAR-2017-0355

Re: Emission Guidelines for Greenhouse Gas Emissions from Existing Electric Utility Generating Units; Revisions to Emission Guideline Implementing Regulations; Revisions to New Source Review Program

Dear Sir or Madam:

On August 31, 2018, EPA published a proposal to replace the Clean Power Plan with revised Emission Guidelines for Greenhouse Gas Emissions from Existing Electric Utility Generating Units, which EPA termed the "Affordable Clean Energy" (ACE) proposal. 83 Fed. Reg. 44,746 (Aug. 31, 2018). Attached are comments from Xcel Energy Inc. on the ACE proposal.

Thank you for your consideration of these comments. Please contact me at (303) 294-2108 or Jeff Lyng, Director of Energy & Environmental Policy at (303) 294-2005 if you have any questions about the issues addressed in these comments.

Sincerely,

Frank P. Prager
Vice President, Policy and Federal Affairs

Comments of Xcel Energy Inc. on Affordable Clean Energy (ACE) Proposal

I. Introduction

Xcel Energy is a public utility holding company serving approximately 3.6 million electric customers and 2 million natural gas customers in the eight states of Colorado, Minnesota, Texas, New Mexico, Wisconsin, North Dakota, South Dakota, and Michigan. Xcel Energy is a vertically integrated generation, transmission, and distribution owner, with a generation fleet that includes coal, gas, nuclear, wind, solar, hydroelectric, and biomass resources. We are pleased to provide these comments on EPA's proposed "Affordable Clean Energy" (ACE) proposal to regulate greenhouse gas emissions from certain steam electric generating units under Section 111(d) of the Clean Air Act.[1]

Since 2005, Xcel Energy has reduced carbon dioxide (CO_2) emissions by 35 percent, and we are on track to reduce our CO_2 emissions by at least 60 percent by 2030, while maintaining a reliable and secure system. We have achieved these reductions through a number of strategies, including facility heat-rate improvements, retirement of some coal plants and repowering others with natural gas, customer energy efficiency, and, most importantly, construction of one of the nation's leading renewable energy portfolios. We currently have more than 7,100 MW of wind energy on our system, which will grow to over 11,000 MW by 2021.

Importantly, we have realized this remarkable environmental record while controlling customer costs. Our customer rates remain below the national average, and our residential customers have actually seen their bills drop in recent years. Across Xcel Energy, our residential customers' electric bills have dropped by an average of 3 percent, and in Colorado, our residential customers' bills have declined by about 9 percent since 2013. We call our strategy Steel for Fuel: by investing in wind energy and displacing our higher-priced fossil generation, we reduce emissions, conserve fuel, and save customers money.

The success of our Steel for Fuel strategy depends on our ability to work with our states to design low-cost clean energy plans and options for our customers. For this reason, Xcel Energy has consistently advocated an approach to climate policy that provides regulatory clarity at the federal level, defers to states to find the most cost-effective approaches to reducing CO_2 emissions, and recognizes early action by states and utilities. As our experience demonstrates, states can work with their utilities to design the most environmentally and economically effective program.

[1] 83 Fed. Reg. 44,746 (Aug. 31, 2108).

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Unfortunately, the ACE proposal is not consistent with this proven approach to reducing CO_2 emissions. Although ACE would provide some degree of compliance flexibility to states, that flexibility is limited to the implementation of a small set of heat-rate improvement (HRI) measures at the affected sources – an "inside the fence line" approach. This approach would forbid states from pursuing more cost-effective options, such as the "outside the fence line" options that have proved so successful for Xcel Energy and other utilities.

The good news is that Clean Air Act does not require this narrow approach. Whatever limitations the Act puts on EPA's authority, Section 111(d) clearly grants states much broader discretion to design implementation plans. As discussed below, Section 111(d) provides ample authority to allow states (and utilities) to rely on their existing, successful clean energy strategies, including renewables, efficiency, and fleet transition. EPA should revise the final ACE rule to ensure that it allows states to comply using their proven clean energy initiatives.

II. Comments on the Proposed Emission Guidelines

ACE would require states to evaluate seven identified HRI measures[2] at each affected unit and, from that evaluation, determine an enforceable emission limit applicable to each individual unit. The proposal establishes that these HRI measures are the "best system of emission reduction" (BSER) applicable to the control of greenhouse gases emitted from electric generating units. At the same time, EPA notes that "states have the primary role of developing standards of performance consistent with the application of BSER."[3] The Agency is correct that the Clean Air Act and Section 111(d) grant the states latitude in the implementation of this rule, but EPA's view of this latitude is too narrow. As set forth below, the measures EPA defines as BSER need not be the same as those available to states for compliance; the Act supports granting states the authority to use "outside the fence line" measures to comply with the ACE rule.

A. The Clean Air Act allows states great discretion to rely on state clean energy programs in designing a plan to implement the standards of performance under Section 111(d).

Section 111(d) of the Clean Air Act establishes the roles of the Agency and the states in this process:

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[2] The candidate technologies identified as BSER are 1) neural networks/intelligent sootblowers, 2) boiler feed pumps, 3) air heater and duct leakage control, 4) variable frequency drives, 5) blade path upgrades for steam turbines, 6) redesign/ replace economizers, and 7) improved operation and maintenance (O&M) practices.

[3] 83 Fed. Reg. at 44,718.

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> "The Administrator shall prescribe regulations which shall establish a procedure similar to that provided by section 110 of this title under which *each State shall submit to the Administrator a plan which establishes standards of performance* for any existing source for any [affected] air pollutant… Regulations of the Administrator under this paragraph shall permit the State *in applying* a standard of performance to any particular source under a plan submitted under this paragraph to take into consideration, *among other factors*, the remaining useful life of the existing source to which such standard applies."[4]

Under Section 111(a), a standard of performance is defined as "a standard for emissions of air pollutants which reflects the degree of emission limitation achievable through the application of the best system of emission reduction which (taking into account the cost of achieving such reduction and any non-air quality health and environmental impact and energy requirements) the Administrator determines has been adequately demonstrated."[5]

Though this language is spare, it sets forth a clear three-step process under which Section 111(d) emission guidelines are established:

1. First, EPA defines BSER under the terms of Section 111(a). EPA evaluates the suite of technologies that would constitute BSER, considering the cost, health, environmental, and energy impacts of these technologies.
2. Second, pursuant to a procedure set forth in EPA regulations (in this case, the ACE rule), states establish standards of performance for affected sources within their jurisdictions.
3. Finally, states prepare a "plan" that, when "applying" the standard of performance to any particular source, may consider the remaining useful life of the source, "among other factors."

Through this three-step process, Section 111(d) provides states with broader discretion than EPA in two respects: first, it is the state, not EPA, that translates BSER into a standard of performance, where the state takes into account the cost of achieving the emission reduction, among other things. Second and more importantly, it is the state that prepares a plan that *applies* the standard of performance to individual sources. In this step, the state has broad discretion to consider relevant factors (including but not limited to remaining useful life) affecting the application of the

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[4] 42 U.S.C. §7411(d) (hereafter cited as CAA Sec. 111(d)). Emphasis added.
[5] CAA Sec. 111(a).

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standards to the sources. Those factors may clearly include the renewable, efficiency, and other state clean energy programs implemented by the state.

The ACE proposal provides a detailed discussion of the limits of EPA's authority to propose BSER, arguing that the statute requires EPA to define BSER "as being limited to emission reduction measures that can be applied to or at an individual stationary source."[6] The clear language of the Act, however, demonstrates that EPA's argument on the limits of BSER should apply *only* to its own discretion under the first step of the Section 111(d) process set forth above. It should not affect states' roles under the second and third steps.

As EPA itself recognizes, states have broader discretion to set and apply the standard of performance. It notes that the Supreme Court "has acknowledged the role and authority of states under section 111(d): this provision allows 'each State to take the first cut at determining how best to achieve EPA emissions standards within its domain' Am. Elec. Power Co. v. Connecticut, 131 S. Ct. 2527, 2539 (2011)."[7] Thus, EPA rightly acknowledges that that state flexibility under Section 111(d) is broad, but, having made this acknowledgment, it then narrows state discretion to be only slightly broader than its own. It limits state discretion only to measures "implemented at the source itself."[8]

Through this limitation, EPA arbitrarily ignores the plain direction of the statute defined in step three above. In preparing plans that *apply* a standard of performance to an individual source, states may consider not only the remaining useful life of the source, but also "other factors." The phrase "among other factors" grants clear discretion to states to design their plans to meet the specific circumstances of their electric systems. There is nothing in the Act that limits state discretion in preparing these plans to measures implemented at the source itself.[9]

In other words, Section 111(d) does not constrain states to consider only those measures that EPA has declared to be BSER. In their plans applying the standards of performance to a source, states may consider, among other things:

- Changes in the operation of the affected units[10] (e.g. reduced operation due to renewable energy or gas replacing some of their generation);
- System reliability;

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[6] 83 Fed. Reg. at 44,752.
[7] 83 Fed. Reg. at 44,749.
[8] 83 Fed. Reg. at 44,765.
[9] Of course, nothing in the Act prohibits states from implementing state clean energy initiatives or other programs under state law that go beyond the requirements of the ACE rule. States retain discretion to control their own energy policy.
[10] See 83 Fed. Reg. at 44,763.

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- Transmission capability;
- Improved economics of renewable energy;
- Changes in the natural gas market; and
- Other factors related to the environmental impacts, reliability, resilience, and cost of electricity within the state

On the basis of these considerations, the state may design a plan around its renewable energy, fleet transition, and other "outside the fence line" clean energy strategies. As discussed below, this approach would lead to a cleaner, lower cost, and more reliable electric system than following the more rigid approach set forth in ACE. These benefits are precisely the reason why Congress granted states such broad discretion under Section 111(d).

B. States may rely on a mass-based emissions standard and trading among units to account for the benefits of their clean energy programs.

In the ACE proposal, EPA seeks comment on whether states can convert the traditional rate-based emission standard of Section 111 to a mass-based program.[11] EPA also asks for comment on whether states can rely on trading among existing sources located at different sites in state plans submitted under Section 111(d). In light of the discussion of state flexibility set forth above, mass-based emission limits are clearly options available to states. Some states may use these mass-based limits to develop simple trading programs as a path toward implementing plans that incorporate their broader clean energy initiatives.

In the third step of the three-step process of Section 111(d), the statute grants states the ability to design plans that apply the standard of performance to affected units. If Congress had intended states to simply require compliance with standards of performance using only rate-based limits at each individual source, it could have done so with ease; indeed, new sources subject to performance standards under Section 111(b) are generally subject only to this kind of limit. Because of the difficulty of retrofitting existing sources with new emission controls, however, Congress chose to grant states greater flexibility to design programs that work for them.

That flexibility surely must include the ability to set mass-based limits. If states can broadly take into account "other factors" in applying the standards of performance to affected sources, those factors must include systematic changes that reduce overall CO_2 emissions even if they do not fit squarely within the EPA's preferred definition of BSER. Again, as set forth above, state discretion under Section 111(d) is much

[11] 83 Fed. Reg. at 44,768.

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broader than EPA's discretion, and the authority of a state to set a mass-based standard does not necessarily require that EPA also have the same authority.

In the ACE preamble, EPA articulates a preference for state plans that includes only rate-based standards because this standard is both more "straightforward" for states and "streamlined" for EPA.[12] This preference fails for two reasons: (1) it is contrary to the plain language of Section 111(d) that requires EPA to grant broad discretion to states; and (2) EPA and states have substantial experience using mass-based compliance approaches and trading for decades under multiple Clean Air Act programs.

Section 111(d) flexibility also includes the authority of states to create plans that allow for trading between sources. In the ACE preamble, the Agency itself acknowledges "that there are significant benefits of averaging and trading across affected sources…"[13] For that reason, EPA has generally recognized the authority of states to implement programs where the Act has granted state discretion similar to that provided in Section 111(d). For example, under Section 110, EPA has approved state implementation plans to comply with ambient air quality standards that include forms of emissions trading, averaging, and bubbling.[14]

EPA has also approved trading programs under the Best Available Retrofit Technology (BART) provisions of Section 169A(b)(2). The BART provisions are part of the Act's visibility program and, like Section 111(d), they require EPA to establish framework regulations but delegate the authority to implement those regulations to states. If anything, the language of Section 169A puts greater constraints on state authority than Section 111(d), yet EPA has allowed states to rely on trading to comply.[15] If EPA allows trading for compliance with these programs, where the location of the reductions may affect local ambient or visibility conditions, it has no basis to limit trading for greenhouse gas emissions, whose environmental impacts are global.

Despite this precedent, EPA in the ACE proposal is reluctant to allow states to adopt trading. It has three objections: First, EPA is concerned that trading would be

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[12] 83 Fed. Reg. at 44,764.

[13] 83 Fed. Reg at 44,768.

[14] Flexibility under Section 110 is especially important given that Section 111(d) specifically requires EPA to develop "a procedure similar" to that found in Section 110 in its rules under Section 111(d).

[15] "A State may opt to implement or require participation in an emissions trading program or other alternative measure rather than to require sources subject to BART to install, operate, and maintain BART. Such an emissions trading program or other alternative measure must achieve greater reasonable progress than would be achieved through the installation and operation of BART." 40 C.F.R. §51.308(e)(2). EPA also allowed the western states to implement at backstop SO_2 trading program as an alternative to stack-by-stack BART limits. 40 C.F.R. §51.309.

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inconsistent with the proposed BSER.[16] As set forth above, however, EPA establishes BSER separately from and prior to the development of state plans, even those incorporating trading programs. Second, EPA believes that, by allowing states to incorporate trading into their plans, it would render superfluous "the express provisions under 111(d)(1) authorizing states to consider existing sources' remaining useful life and other factors…"[17] This is clearly not the case: Section 111 directs states to consider these factors even as they design flexible plans to meet the requirements of the Act. It would be ironic if the very language of the Act that gives states flexibility were used as basis to deny them access to one of the most flexible compliance mechanisms. Finally, EPA raises "practical concerns" related to the complexity of implementing a trading program, including the complexity of evaluation, monitoring, and verification. Yet, these same concerns exist with other, more complicated trading programs, and EPA has approved them.

Nothing in this analysis requires a state to adopt a complicated multi-source, multi-state trading program. States may instead choose to create a simple trading mechanism as a vehicle to enable the use of clean energy initiatives for 111(d) compliance. For example, a state may choose to translate the standard of performance into a mass-based limit bubbled over some or all of the affected units within the state. As renewable energy or other "outside the fence line" strategies cause the reduced utilization of these affected units, the state could demonstrate compliance merely by showing that the total emissions from the affected units are below the mass-based limit applicable to multiple units.[18]

C. States can design effective, enforceable plans for cost-effective 111(d) compliance while incorporating their "outside the fence line" clean energy programs.

EPA indicates that measurement, verification, and other elements of enforceability are important factors in determining whether a flexible state plan will be approvable under the ACE rule.[19] The approach we discuss in these comments provides clear opportunities for both the states and EPA to fulfill their enforcement obligations while incorporating state clean energy program elements. The approach is straight-forward:

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[16] 83 Fed. Reg. at 44,767.

[17] Id.

[18] Note that, contrary to EPA's concerns in the ACE preamble, this approach does not require trading between affected sources and non-affected sources. 83 Fed. Reg. at 44,767. Although an affected source may see lower emissions as a result of displacement by, for example, a wind turbine, it would trade emissions only with other affected sources subject to the program.

[19] 83 Fed. Reg. at 44,765.

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- **EPA** first finalizes the ACE rule, exercising its statutory authority to define BSER.
- **The State** identifies the affected units within its borders.
- **The State** uses the BSER determination to establish a standard of performance for each unit subject to the rule. In establishing the standard of performance, the state evaluates remaining useful life of the units, cost-effectiveness of the HRI candidate technologies, whether the technologies have already been implemented at the unit, whether the technologies are applicable to the unit, and other factors as set forth in the ACE rule. This standard of performance becomes a minimum threshold for reductions that must be achieved.
- **The State** may choose to translate the standards of performance into an aggregate mass limit of CO_2 emissions for all affected units in the state based on the standard's emission rate and projected utilization of the units. In doing so, the state would take the units and the system as it finds them and look at their expected capacity factor under normal operations with the current configuration.[20]
- **The State** would compare the cost and emission reductions achieved using the stack-by-stack standards of performance to cost and emission reductions achieved by its state clean energy programs (e.g. renewable energy, customer efficiency, plant retirement programs, etc.) If the state finds that the emission reductions achieved under its state clean energy programs would be greater than that achieved under a stack-by-stack approach, it may propose that alternative as its Section 111(d) plan.
- **A State** choosing to adopt an alternative plan incorporating state clean energy programs could choose any of the following approaches to compliance assurance:
    - Establish a "backstop" emission limit program imposing the stack-by-stack emission limits based on the standard of performance and triggered only on the failure of affected facilities to achieve the mass emission reductions expected as a result of the clean energy program;

[20] The state should not be required at this step to account for future, planned changes to the system such as planned unit retirements or future additions of renewable energy. Section 111(d) allows states the ability to account for these "other factors" in building plans, but it does not require additionality to force greater reductions beyond future system plans. To do so would turn the state flexibility of Section 111(d) on its head: it would enforce greater rigidity on a state that seeks greater flexibility by accounting for these "other factors." Moreover, EPA does not propose to require states to make additional reductions if affected facilities have already implemented or are planning HRI projects outside of the rule. It should not require additional reductions if those same states have future plans to implement "outside the fence line" clean energy strategies.

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- As discussed above, create a trading program or bubble, limiting mass emissions at the target established using the standard of performance; or
- Create a different, credible approach to enforcement.

- **EPA** approves any state plan that achieves reductions equal to or greater than application of BSER. Per statute, EPA may impose a BSER-based federal plan in cases where a state fails to submit a satisfactory plan, or fails to enforce its plan,[21] but nothing in the statute suggests EPA can disapprove a state plan merely because the State has chosen a different set of measures to achieve BSER-equivalent reductions.
- **The State** monitors CO_2 emissions from the affected sources using existing Continuous Emission Monitoring Systems. As long as aggregate emissions from affected sources remain lower than what would have been achieved through application of the standard of performance, the state is judged to be in compliance.

D. By allowing states to rely on clean energy programs in their Section 111(d) plans, EPA would create a better, cheaper, and smarter ACE rule.

The power of state clean energy programs is clear: through them (and by taking advantage of gas, renewables, and other market developments), states have already achieved greater reductions than would have been required under the now defunct Clean Power Plan. Even more importantly, they have done so at remarkably low cost. In fact, state clean energy programs can achieve all of the policy goals that the ACE proposal seeks to achieve, more efficiently and effectively.

Cost and emission reductions. As proposed, the ACE rule would require investments in HRI projects at most affected units. For example, at a hypothetical 500-MW coal unit subject to the rule, a potential HRI project might achieve a small percent reduction in CO_2 emission rate at a cost of $25 to $50 million (based on EPA's estimated range of $50-100 per kW).[22] Of course, under EPA's proposal, many coal-fired units would not spend the full $25 to $50 million on this project. States would have discretion to consider the remaining life of the unit, whether the unit has already implemented similar HRI projects, etc. Regardless, under the proposal, it is likely that most units would be required to implement at least one HRI project, imposing additional costs on the utility and its customers for a low level of emission reductions.

[21] CAA Sec. 111(d)(2). In enforcing an approved state plan, EPA should be limited to the enforcement mechanism identified in the plan and enforceable at the affected units as set forth in these comments.
[22] 83 Fed. Reg. at 44,759.

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In contrast, if EPA recognizes the expansive authority granted states under Section 111(d), a state could rely on its existing clean energy programs to comply. In Colorado, for example, Xcel Energy recently received approval for our Colorado Energy Plan. This plan will result in emission reductions that dwarf the reductions achievable through HRI projects. The Colorado Energy Plan – an example of our Steel for Fuel strategy in which wind, solar, and energy storage added to the system displace fuel costs – is projected to reduce CO_2 emissions 60 percent from 2005 levels by 2026, at a net savings to our Colorado customers of $215 million. The Plan will actually result in lower costs for our customers compared to other options that generally continue business as usual.

By allowing states to use clean energy programs in their Section 111(d) plans, EPA would enable them to achieve far greater emission reductions at much lower price.

Resilience. As EPA also notes, the changes taking place in the utility system have raised questions about the impact of those changes on the system's resilience:

> [T]here are already significant changes taking place within the power sector resulting in shifts away from coal-fired generation to new technologies such as renewables. This shift is creating tremendous strain on the power infrastructure even without the added pressures of an EPA mandate to further shift away from additional coal-fired generation. Many experts have expressed concern that these pressures could create reliability problems.[23]

EPA notes that it lacks expertise to assess the impacts of these changes to reliability and resilience, deferring to the Department of Energy, the Federal Energy Regulatory Commission and, importantly, state public utilities commissions and energy regulators.[24]

EPA is correct: the expertise to address these issues lies in the federal and state energy agencies and regulators who are responsible for assuring a reliable, secure energy system, and with the utilities themselves. For this reason, EPA should defer to state expertise in designing their Section 111(d) plans to incorporate state clean energy programs. State clean energy programs will be designed under the auspices of state public utilities commissions with reliability and resilience front and center.

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[23] 83 Fed. Reg. at 44,754.
[24] Id.

III. Conclusion

We appreciate the opportunity to provide comments on EPA's Affordable Clean Energy proposal. EPA should modify the ACE proposal to recognize states' authority to design flexible compliance plans that achieve equal or greater reductions to BSER by taking advantage of cost-effective CO_2 reduction measures throughout the energy system. We believe this approach is consistent with the Act and will result in far greater reductions, at far less cost to our customers – while recognizing the clean energy leadership states and electric utilities are demonstrating, and which our customers and investors increasingly demand.

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Message

From: Jason Sloan [jsloan@csg.org]
Sent: 6/5/2018 4:10:13 PM
To: Jason Sloan [jsloan@csg.org]
Subject: Register Today for AAPCA's 2018 Fall Business Meeting (September 17 - 19 in Raleigh, NC)

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina

Registration is now open for AAPCA's 2018 Fall Business Meeting, which will be held September 17 to 19 at the Raleigh Marriott Crabtree Valley Hotel in Raleigh, North Carolina. You can register through the Association's website. Registration rates for the 2018 Fall Business Meeting are $125 for AAPCA members and personnel from local, state, and federal governments, and $350 for non-governmental attendees. The registration page includes a tentative agenda and hotel information for the Raleigh Marriott Crabtree Valley Hotel (4500 Marriott Drive, Raleigh, NC 27612), including a direct link to book rooms in AAPCA's meeting hotel block at a rate of $115/night plus applicable taxes and fees. The deadline for hotel registration is August 24, 2018.

AAPCA expects strong attendance by senior officials from state and local environmental agencies, as well as robust participation from partners at U.S. EPA and several EPA Regions. AAPCA's Fall Business Meeting will kick off with a topical session on infrastructure on the afternoon of Monday, September 17, followed by an Opening Reception that evening. Both the topical session and Opening Reception are open to all attendees. The meeting will include a full day of programming on Tuesday, September 18 (8:00 AM – 5:30 PM) that will be open to all interested attendees, while sessions on Wednesday, September 19 (8:30 AM – 12:00 PM) will be limited to AAPCA members and governmental attendees.

Thanks – we look forward to seeing you in Raleigh in the Fall!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 5/15/2018 3:04:45 PM
To: Jason Sloan [jsloan@csg.org]
Subject: SAVE THE DATE: AAPCA 2018 Fall Business Meeting, September 17 - 19 in Raleigh, NC

Please save the date for the Association of Air Pollution Control Agencies' (AAPCA) 2018 Fall Business Meeting, which will be held September 17 – 19 in Raleigh, North Carolina at the Raleigh Marriott Crabtree Valley Hotel.

The current schedule for Monday, September 17 includes an afternoon topical session on infrastructure and an opening reception open to all attendees. Tuesday, September 18 will include a full day of programming with participation open to all interested attendees, while sessions on Wednesday, September 19 will be limited to AAPCA members and governmental attendees.

Registration for the meeting will open on AAPCA's website in mid-June, and the hotel block is now accepting reservations here. Meeting registration rates for the 2018 Fall Business Meeting will be $125 for members and governmental attendees, and $350 for non-governmental attendees. The hotel room rate is $115/night plus applicable taxes/fees. The deadline for hotel registration is August 24, 2018.

Thanks – we look forward to seeing you in Raleigh in the Fall!

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
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Message

From: Jason Sloan [jsloan@csg.org]
Sent: 12/18/2018 8:09:14 PM
To: Bodine, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8c2cc6086fcc44c3be6b5d32b262d983-Bodine, Sus]; Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
CC: Cook, Leila [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d4536ad140a1461781d78ca67921b02f-Cook, Leila]; Belser, Evan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d9a0635c271a4bac9c20634e45083c66-Belser, Evan]; nancy.vehr1@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user59f14cc3]
Subject: AAPCA Letter on Heavy & Light-Duty Diesel Vehicle Emission Control Systems Tampering
Attachments: AAPCA Letter to EPA - Diesel Emission Control Systems Tampering - 12-18-18.pdf

Assistant Administrators Bodine and Wehrum,

Please find attached to this email a letter from the Association of Air Pollution Control Agencies (AAPCA) in support of the U.S. EPA's efforts to update the Clean Air Act enforcement policy concerning vehicle and engine tampering and aftermarket defeat devices, particularly as it relates to heavy and light-duty diesel vehicle emission control systems tampering. AAPCA members also appreciate U.S. EPA's efforts to investigate and take enforcement action regarding inappropriate diesel emissions control tampering that may adversely impact air quality, and would like to underscore the importance of working with state and local agencies in investigations and enforcement actions.

Thank you for your consideration of these comments. If you have any questions concerning AAPCA's letter, please let me know.

Jason E. Sloan
Executive Director
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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

December 18, 2018

Ms. Susan Parker Bodine
Assistant Administrator
Office of Enforcement and Compliance Assurance
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, D.C. 20460

Mr. William Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, D.C. 20460

Subject: EPA Tampering Policy and Heavy and Light-Duty Diesel Vehicle Emission Control Systems Tampering

Assistant Administrators Bodine and Wehrum:

The Association of Air Pollution Control Agencies (AAPCA)[1] submits this letter in support of the U.S. Environmental Protection Agency's (EPA) recent efforts to update the federal Clean Air Act (CAA) enforcement policy concerning vehicle and engine tampering and aftermarket defeat devices,[2] particularly as it relates to heavy and light-duty diesel vehicle emission control systems tampering. AAPCA members, directly responsible for creating state plans implementing CAA regulations, also applaud U.S. EPA's efforts to investigate and take enforcement action regarding inappropriate diesel emissions control tampering that may adversely impact air quality.

Emissions from heavy and light-duty diesel vehicles are a significant source of fine particulate matter ($PM_{2.5}$), sulfur dioxide (SO_2), carbon monoxide (CO), and nitrogen oxides (NO_X). These pollutants are regulated under the national ambient air quality standards (NAAQS) program of the CAA due to health concerns from exposure. EPA's specific control measures for manufacturers designed to control emissions of $PM_{2.5}$, CO, and NO_X, alongside longstanding diesel fuel requirements to reduce SO_2 emissions, have contributed to the tremendous progress in air quality that has been achieved in the United States over the past several decades.[3]

Unfortunately, U.S. EPA and state environmental agencies are finding significant and blatant violations of control measures designed by the manufacturers at great cost to protect air quality. These emission controls if not achieving the expected reductions will eventually require more stringent measures for this and other regulated sectors. This can be avoided. As EPA's Air Enforcement Division reported to AAPCA members at the Association's 2018 Spring Meeting, these violations not only include car manufacturer systems designed to defeat emissions testing (such as those installed by Volkswagen) but aftermarket "defeat devices" that can be installed by vehicle owners to bypass emissions systems. EPA testing has found that aftermarket tampering can significantly increase pollutant emissions.[4]

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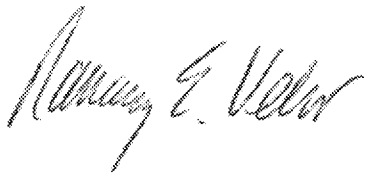
[1] AAPCA is a national, non-profit, consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on the AAPCA Board of Directors. AAPCA is housed in Lexington, Kentucky as an affiliate of The Council of State Governments (CSG). You can find more information about AAPCA at: www.cleanairact.org.
[2] See: U.S. EPA's "Preview of the Draft 'EPA Tampering Policy' for Stakeholder Awareness," September 2018.
[3] AAPCA, "*The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*," July 2018.
[4] https://cleanairact.org/events/documents/PhilBrooks-April5-OECA-PresentationAAPCAEnforcementTrends4.5.18.v3.pdf.

Curtailing the manufacture and installation of these devices is important to state and local air agencies developing plans to implement and meet air quality standards, particularly in areas that do not currently meet the NAAQS for $PM_{2.5}$ and ozone. AAPCA members appreciate the recent clarification from Assistant Administrator Bodine that "The EPA Tampering Policy will complement the agency's enforcement efforts, which are ongoing and focused on companies which are defeating the emissions controls designed to protect air quality."[5] EPA's policy enforcement through the investigation and prosecution of violating companies aligns with the primary goals of the Agency's *FY 2018 – 2022 Strategic Plan*[6] and further demonstrates a commitment to air quality.

As EPA finalizes the tampering policy, AAPCA members would also like to underscore the importance of working with state and local agencies in investigations and enforcement actions regarding tampering of the emission control systems of both light and heavy-duty diesel vehicles. State implementation plans (SIPS) – including "Good Neighbor" SIPs – that include emission reductions strategies rely, in part, on appropriate state and federal enforcement to ensure ambient air quality standards are achieved.

Thank you for consideration of AAPCA's comments and ongoing work to halt improper tampering of emissions control systems for diesel vehicles. AAPCA members look forward to future engagement and collaborative efforts to effectively enforce policies that address air quality. If you have any questions regarding this letter, please contact Mr. Jason Sloan, Executive Director, at jsloan@csg.org or (859) 244-8043.

Sincerely,



Nancy Vehr
Administrator, Air Quality Division
Wyoming Department of Environmental Quality
2019 President, AAPCA

[5] Letter to Representative Brett Guthrie, October 24, 2018.
[6] https://www.epa.gov/sites/production/files/2018-08/documents/fy-2018-2022-epa-strategic-plan-print.pdf.

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 11/15/2017 9:04:34 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
CC: Spencer, Stuart [SPENCER@adeq.state.ar.us]; sean.alteri@ky.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f999b3b9716c4924b5cbb9c4cdf645d0-sean.alteri@ky.gov]; Dominguez, Alexander [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5ced433b4ef54171864ed98a36cb7a5f-Dominguez,]
Subject: Invitation to Present at AAPCA's Spring Meeting, April 4 - 6 in Lexington, KY
Attachments: Assistant Administrator Wehrum Invite - AAPCA 2018 Spring Meeting.pdf

Assistant Administrator Wehrum,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), congratulations on your recent confirmation. We look forward to working with you and your team on Clean Air Act issues. AAPCA is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. The Association represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. AAPCA is based in Lexington, Kentucky as an affiliated association of The Council of State Governments (CSG).

We write to invite you to attend and present at AAPCA's 2018 Spring Meeting, which will be held in Lexington, Kentucky from April 4 – 6. More information is available in the enclosed invitation from 2018 AAPCA President Stuart Spencer, Associate Director of the Arkansas Department of Environmental Quality, and 2017 AAPCA President Sean Alteri, Director of the Kentucky Division for Air Quality. Regular attendance by senior U.S. EPA officials at Association meetings has been greatly valued by our membership. AAPCA's 2017 Fall Business Meeting included participation from over 150 attendees, including senior air officials from more than 30 state and local environmental agencies. Participants also included nearly 40 U.S. EPA staff from the Offices of Air and Radiation, Research and Development, Inspector General, and Enforcement and Compliance Assurance, as well as several EPA regions. Our members would be especially interested in hearing from you and your staff about recent and forthcoming Clean Air Act issues, cooperative federalism, and opportunities to work together on issues like NAAQS nonattainment, interstate transport, air toxics, and resource priorities.

Please let me know if you have any questions about AAPCA's 2018 Spring Meeting, or if we can serve as a resource on any Clean Air Act issues in the future.

Thanks so much for your consideration, and we look forward to seeing you in Lexington!

Jason E. Sloan
Policy and Membership Associate
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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 SPRING MEETING

April 4–6 | Hilton Lexington/Downtown | Lexington, Kentucky

November 15, 2017

Mr. William Wehrum
Assistant Administrator, Office of Air and Radiation (OAR)
U.S. Environmental Protection Agency (EPA)
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, DC 20460

Dear Assistant Administrator Wehrum,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we would like to invite you to attend and speak at AAPCA's 2018 Spring Meeting, which will be held at the Hilton Lexington/Downtown in Lexington, Kentucky from April 4 – 6, 2018. AAPCA is a consensus-driven organization representing state and local air agencies on technical Clean Air Act issues. Regular attendance by senior U.S. EPA officials at previous Association meetings has been greatly valued by our membership.

More information on AAPCA's Spring Meeting will be available shortly on our website (www.cleanairact.org). On April 6, 2018, the meeting is closed to the press and programming is limited to federal, state, and local agency personnel and their multijurisdictional organizations (with non-governmental attendees participating in the first two days). AAPCA's 2017 Fall Business Meeting included participation from more than 150 attendees, including senior officials from approximately 30 state and local air agencies, as well as nearly 40 staff from U.S. EPA.

Thank you for your consideration of our request. If your schedule permits, AAPCA's members look forward to seeing you in Lexington and discussing opportunities to work together on Clean Air Act issues.

Sincerely,

Stuart Spencer
Associate Director
Arkansas Department of Environmental Quality
2018 President, AAPCA

Sean Alteri
Director
Kentucky Division for Air Quality
2017 President, AAPCA

Message

From: Weinstock, Larry [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=ABF6EF85ED154D13AA590EA7C0ADDAC2-WEINSTOCK, LARRY]

Sent: 6/15/2018 8:20:33 PM

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Subject: CAAAC 2018 Meeting Date

Dear CAAAC,

We have a hotel so we can confirm the date for our next meeting, September 26th and 27th 2018. The meeting will be held at the Holiday Inn Arlington at Ballston, 4610 Fairfax Drive, Arlington, VA 22203, and you can now make sleeping room reservations. They can either use this link https://book.passkey.com/e/49705055 or call 1-866-876-4238.

The agenda is not yet finalized, but for planning purposes, please plan to be at the meeting from 1 pm on the 26th and end at 12 pm on the 27th. When thinking about flights or trains, note that travel time to and from the hotel at mid-day can be anywhere from about 20 minutes to Reagan National Airport or 30 to 40 minutes from Union Station or Dulles and at least an hour from BWI. Washington area traffic is unpredictable so your travel time may vary especially

from Union Station or BWI. In a pinch you can take side streets to National Airport so it is unlikely to ever be much more than 30 minutes. For those who want to use the train it is a 3 minute walk from the Ballston Metro Station which is on the both the Orange and Silver lines. Please be aware that travel to National Airport or Union Station requires a transfer within the metro system.

As an FYI, If you want to meet people in Washington outside of the meeting times it is an under 20 minute metro ride to downtown DC.

Hotel Reservations

A block of rooms has been reserved for CAAAC members at the Holiday Inn Arlington at Ballston, 4610 Fairfax Drive, Arlington, VA 22203, and you can now make sleeping room reservations. You can either use this link https://book.passkey.com/e/49705055 or call 1-866-876-4238. The hotel cost is the federal per diem rate for Washington, DC. We have reserved some roos for the 25th and 27th for those that need an extra night to comfortably travel and make the meeting.

Travel Assistance

EPA can reimburse you for travel expenses reasonably related to attending this meeting (e.g. airfare, hotel room the night before and night after the meeting, etc.). If you are requesting EPA pay for part or all of your travel, DO NOT make your own travel arrangements. Instead, please contact Mary Resendez in the EPA Office of Air Planning and Program Support at resendez.mary@epa.gov as soon as you can.

Agenda

We are currently developing the meeting agenda. I hope to have it to you soon. We are planning for either a single dinner for the whole group or a number of alternative locations for smaller groups. The hotel may be outside the city but there are a number of very good restaurants in the immediate area representing a wide variety of cuisines including Spanish, Filipino, Russian .

If you have any general questions, please do not hesitate to call me at 202-564-9226 or email me at Weinstock.larry@epa.gov .

Thanks, and I look forward to seeing you all on September 26.

Tamara

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 11/19/2018 4:48:01 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
CC: nancy.vehr1@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user59f14cc3]; Marc Cone [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userac5e2133]
Subject: AAPCA Fall Business Meeting

Bill,

On behalf of AAPCA, thank you for presenting on current EPA OAR priorities at the Association's Fall Business Meeting in Raleigh last week. AAPCA state and local members are responsible for air quality for hundreds of millions of Americans, and truly appreciate the opportunity to engage on crucial issues.

As EPA continues to communicate and implement air quality priorities, AAPCA members look forward to providing expert insight informed by on-the-ground work in their communities.

Sincerely,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
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Message

From: Clint Woods [cwoods@csg.org]
Sent: 12/4/2017 3:12:17 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Subject: Quick Call Today?

Bill,

I hope all is well, and a belated congratulations! Any chance you might have a free five minutes today for a quick call?

Thanks!

Clint
Personal Privacy / Ex. 6

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 11/16/2018 5:49:32 PM
To: Jason Sloan [jsloan@csg.org]
Subject: 2018 Fall Business Meeting Updates
Attachments: AAPCA Fall Meeting Registration List - as of 11-05-2018.pdf

AAPCA 2018 Fall Business Meeting Participants,

Thanks so much for joining us in Raleigh for the Association of Air Pollution Control Agencies' (AAPCA) 2018 Fall Business Meeting this week. This email contains several follow up items which may be of interest:

- AAPCA has now posted available presentations on our website here, and you can find a related press release here.
- If you are interested in receiving a certificate of attendance for the meeting, please email nkilby@csg.org by the end of the day on November 27.
- Attached to this email is the attendee list for the meeting – Please contact jsloan@csg.org if you are interested in receiving other meeting materials.
- AAPCA is also seeking feedback from attendees on the Fall Business Meeting via electronic survey.
- Finally, please Save the Date for AAPCA's 2019 Spring Meeting, which will be held March 25 – 27, 2019 in Baton Rouge, North Carolina at the Hilton Baton Rouge Capitol Center. More information on registration, hotel block, and the agenda will be available here in the coming weeks.

Thank you again for your continued support for AAPCA, and we look forward to working with you in the future.

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AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

November 13–15 | Doubletree by Hilton | Raleigh, North Carolina

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Amber Potts
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amber.potts@wyo.gov

Nancy Vehr
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(307) 777-3746
nancy.vehr1@wyo.gov

Message

From: Nick Kilby [nkilby@csg.org]
Sent: 9/24/2018 3:42:17 PM
CC: Jason Sloan [jsloan@csg.org]
Subject: AAPCA 2018 Fall Business Meeting - Hotel Block Now Available
Attachments: ATT00001.txt

AAPCA Fall Business Meeting Registrants,

The hotel block is now available for the Association of Air Pollution Control Agencies' (AAPCA) rescheduled 2018 Fall Business Meeting, November 13 – 15 in Raleigh, North Carolina. You can book rooms directly with the DoubleTree by Hilton Hotel Raleigh-Brownstone-University (1707 Hillsborough Street, Raleigh, North Carolina, 27605) through this link or by calling the hotel at 800-331-7919 and asking for AAPCA. The hotel room rate is $115/night (plus applicable taxes and fees), and the cut-off date to book rooms in AAPCA's hotel block is Monday, October 22, 2018.

As a reminder, all meeting registrations have been moved to the rescheduled dates for the 2018 Fall Business Meeting (November 13 – 15). For those individuals that are currently registered but unable to join the meeting for the rescheduled dates, AAPCA is providing the following options: (1) A full refund; or, (2) the opportunity to transfer the registration to AAPCA's 2019 Spring Meeting (March 25 – 27 in Baton Rouge, Louisiana). Please email jsloan@csg.org if you have specific questions about your registration status.

AAPCA is continuing to work with previously confirmed speakers to maintain the agenda for the 2018 Fall Business Meeting, and will provide a more detailed agenda to all attendees as soon as possible. Currently, AAPCA intends to continue with the following meeting outline:

- November 13: Topical session on *Infrastructure* (1:00 – 3:30 PM) and Opening Reception (6:00 PM) [open to all governmental and non-governmental participants]
- November 14: Open session programming from 8:00 AM – 5:15 PM, to include AAPCA Best Practices Presentations and the Keynote Luncheon [open to all governmental and non-governmental participants]
- November 15: Closed session programming from 8:00 AM – 12:15 PM [closed session, limited to state, local, and federal attendees]

If you have any questions or concerns, please contact Jason Sloan, AAPCA's Executive Director, at (859) 244-8043 or jsloan@csg.org.

We look forward to seeing you in Raleigh this November – Thanks!

Nick Kilby
Policy and Membership Associate
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859-244-8042 – Office
nkilby@csg.org

http://www.cleanairact.org

Message

From: Horton, Melissa H. [MHIGGINS@southernco.com]
Sent: 4/19/2018 11:36:25 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Subject: Southern Company is "Planning for a Low-Carbon Future"

Bill,

Today, Southern Company issued an environmental report titled "Planning for a Low-Carbon Future" on our website. The report reflects our continued commitment to serving customers and protecting the environment, while also responding to climate-related shareholder resolutions.

In the report, we establish an intermediate goal of a 50-percent reduction in our carbon emissions from 2007 levels by 2030 and a longer-term goal of low-to-no carbon operations by 2050. These goals are consistent with our existing business strategy and long-term, least-cost resource planning, which have already reduced our carbon emissions by approximately 36 percent since 2007. Achieving these goals is dependent on many factors, including natural gas prices, the pace and extent of technology innovation and state regulatory frameworks.

Southern Company remains committed to investing in the full portfolio of energy resources and research and development in order to continue providing clean, safe, reliable and affordable energy to the more than 9 million customers we are privileged to serve.

Please let me know if you have any questions. Thank you.

Melissa H. Horton
Federal Environmental Affairs Manager
Office 202.261.5014 | Mobile 205.613.8320
Southern Company

Appointment

From: Burton, Tamika [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=207E0F24FD934D6D8A3E4C400A311638-BURTON, TAM]

Sent: 4/20/2018 5:42:43 PM

To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]; lwyak@ Personal Privacy / Ex. 6 msquared615@aol.com; Vmcwhorter@smithpachter.com; lauren.tabbara@ Personal Address / Ex. 6 ; jcoghlan Personal Privacy / Ex. 6 jak1201@ Personal Privacy / Ex. 6 Dave.Zook@faegrebd.com; Mary.Bono@faegrebd.com; Josh.Andrews@faegrebd.com; Darrin.Munoz@faegrebd.com; Brandon.Kirkham@faegrebd.com; Ted.Bristol@faegrebd.com; Frank.Swain@faegrebd.com; Debra.Lappin@faegrebd.com; David.Gogol@faegrebd.com; Skip.Stitt@faegrebd.com; Michael.Adelberg@faegrebd.com; Libby.Baney@faegrebd.com; Kevin.Brennan@faegrebd.com; Hope.Costa@faegrebd.com; Beena.Patel@faegrebd.com; Nicholas.Manetto@faegrebd.com; saaron@mercuryllc.com; alexrenjel@ Personal Privacy / Ex. 6 Angie.Giancarlo@mail.house.gov; Annie_Caputo@epw.senate.gov; Michael.J.Catanzaro@ Personal Privacy / Ex. 6 brian.c.mormino@Cummins.com; chadbradley@comcast.net; Dan.Barron@arlp.com; Elizabeth.Fox@mail.house.gov; Personal Address / Ex. 6 suzannegillen@ Personal Privacy / Ex. 6 martyhall1@ Personal Privacy / Ex. 6 james@okeeffestrategies.com; keenglish78@ Personal Privacy / Ex. 6 MaryAnne.Dunlap@sanofipasteur.com; mhite@GPAglobal.org; Ference@S-3Group.com; MNellenbach@bipartisanpolicy.org; Nathan.Richmond@oig.dot.gov; Neil.Naraine@ipaper.com; rebafree@ Personal Privacy / Ex. 6 louis.renjel@duke-energy.com; sdhigley@marathonpetroleum.com; thassenboehler@ Personal Address / Ex. 6 genevievemaul@ Personal Privacy / Ex. 6 n; dimitri.karakitsos@hklaw.com; blu.hulsey@clr.com; Anna.Burhop@bracewell.com; rick@cypressgroupdc.com; ltravers1011@ Personal Privacy / Ex. 6 Hanley, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=58e0d3d52d424d45ae88e4386ae4f8dd-Hanley, Mary]; Sherlock, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c7be251841f4c9491134ad943602c7d-SSherloc]; Orr.kimberlie@Epa.gov; McLean, Sarsah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c85aef9d5ddd4d7f93ac7fe05c4d2ea4-SMclea02]; Huddleston, Don [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7c62f2fb376f43d8987e91e5b8b85dbd-DHUDDLES]; Anapolle, Kent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0794f46bfd2e4d69abf0efb1c8a88651-KAnapoll]; Cheatham, Tony [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a8dc7de8836547fc9a810b1004c7c6a1-Cheatham, Tony]; Funke.odelia@Epa.gov; Roepe, Wayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9ad5836336a0477095244bb41dfd007b-WROEPE]; Godwin, Dave [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9519a58ea7ed4782ba7e8b1f6472de1d-Godwin, Dave]; mary_frances_repko@epw.senate.gov; Mary.Martin@mail.house.gov; Rick.Kessler@mail.house.gov; Luke_Holland@inhofe.senate.gov; Wendi_Price@inhofe.senate.gov; richard_russell@epw.senate.gov; Brian_Clifford@epw.senate.gov; Justin_Memmott@epw.senate.gov; Ford, Hayley [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4748a9029cf74453a20ee8ac9527830c-Ford, Hayle]; Jenkins, Donna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=76d48924578d469ea4bc96914ff53d9a-Djenki02]; Vance, Eric [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d7fc312a1267466188680444d66fe0e6-EVance]; adaccurzio@neuropace.com; Francis.J.Brooke Personal Privacy / Ex. 6

CC: Block, Molly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=60d0c681a16441a0b4fa16aa2dd4b9c5-Block, Moll]; Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Bolen, Brittany [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=31e872a691114372b5a6a88482a66e48-Bolen, Brit]; Fotouhi, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=febaf0d56aab43f8a9174b18218c1182-Fotouhi, Da]; Ringel, Aaron [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1654bdc951284a6d899a418a89fb0abf-Ringel, Aar]; Abboud, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group

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Subject: Reminder: Please RSVP - EPA Deputy Administrator's Ceremonial Swearing-In
Location: Green Room

Start: 5/4/2018 3:00:00 PM
End: 5/4/2018 4:30:00 PM
Show Time As: Busy

EPA Guests and Colleagues,

You are invited to join for Andrew Wheeler's ceremonial swearing-in as Deputy Administrator. The swearing-in will take place **Friday, May 4, 2018 at 11:00 am** in the Green Room. Some light refreshments will follow.

In order to ensure access to the Green Room and an accurate head count, please RSVP by replying to this invitation by COB, Monday, April, 30.

Guests – please arrive 20mins before the ceremony to: 1200 Pennsylvania Avenue Northwest Washington DC 20460 – You will enter the William Jefferson Clinton North(WJC) building. You will check in and go through the security screening, please present your ID to the security officer and they will notify your guide of your arrival and we will escort you to the ceremonial suite.

Appointment

From: Burton, Tamika [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=207E0F24FD934D6D8A3E4C400A311638-BURTON, TAM]
Sent: 6/12/2018 3:07:07 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]; Lisl.Davis@duke-energy.com; Louis.Renjel@duke-energy.com; Molina, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d19c1d68da1a4587866e1850f22a6ae5-Molina, Mic]

Subject: Meeting with Lynn Good of Duke Energy
Location: WJC-N 3412

Start: 6/21/2018 5:00:00 PM
End: 6/21/2018 6:00:00 PM
Show Time As: Busy

Sct: Tamika Burton, 202- 564-4711

Attendees: Louis Renjel, Venu Ghanta and our CEO, Lynn Good.

Please send a list of confirmed attendees by 06/18/2018 so that I my submit to security pre-screening.

Guests –The address is Environmental Protection Agency: 1200 Pennsylvania Avenue Northwest Washington DC 20460
You will enter the William Jefferson Clinton North (WJC) building: our main entrance is located on 12th street, between Penn and Constitution, directly above the Federal Triangle metro stop. More detailed directions can be found at https://www.epa.gov/aboutepa/visiting-epa-headquarters.
You will check in and go through the security screening, please present your ID to the security officer and they will notify me of your arrival and we will have an escort meet you and guide you to the Deputy Administrators suite.

Message

From: Ivy Prater [ivy.prater@nreca.coop]
Sent: 10/2/2018 5:37:25 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
Subject: ACE Cost

Dear The Honorable Wheeler,

As an electric cooperative member-consumer, I appreciate the EPA's action to eliminate the Clean Power Plan (CPP). The CPP was an example of Washington not listening to us.

All the CPP would have meant for me is higher electricity bills. My family and community depend on affordable energy, and the Affordable Clean Energy (ACE) rule will make sure my cooperative can serve us reliable energy that will not break the bank.

Thank you for listening to us and coming up with a plan that works.

Sincerely,
Ivy Prater
423 Elm St

Ewing, NE 68735-5549

Message

From: SULLIVAN, VICTORIA D [VICTORIA.SULLIVAN@duke-energy.com]
Sent: 2/28/2019 7:17:42 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
Subject: Congratulations!

Congratulations, Andrew, on your confirmation. It is well deserved!

Best,
Vicky Sullivan
Federal Environmental and Energy Policy Director
Duke Energy
Personal Privacy / Ex. 6

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 12/19/2018 3:42:44 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
CC: Dickerson, Aaron [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d0440d9f06994021827e0d0119126799-Dickerson,]; nancy.vehr1@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user59f14cc3]; Marc Cone [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userac5e2133]
Subject: Invitation to Present at AAPCA's 2019 Spring Meeting, March 25-27 in Baton Rouge, LA
Attachments: Acting Administrator Wheeler Invite - AAPCA 2019 Spring Meeting - 12-18-2018.pdf

Acting Administrator Wheeler,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we would like to invite you to attend and speak at the Association's 2019 Spring Meeting. AAPCA is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. Currently, the Association represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. The enclosed formal invitation from AAPCA's President Nancy Vehr, Wyoming Department of Environmental Quality, and Vice President Marc Cone, Maine Department of Environmental Protection, provides more information about the meeting.

AAPCA will hold its 2019 Spring Meeting in Baton Rouge, Louisiana from March 25 to 27. We are expecting senior leadership from more than two dozen state and local air agencies to attend the meeting, and had nearly 150 participants during open sessions at AAPCA's Fall Business Meeting this last November (despite rescheduling from September due to Hurricane Florence). Regular attendance by senior U.S. EPA officials at Association meetings has been greatly valued by our membership. Our members would be especially interested in hearing from you and your staff about recent and forthcoming Clean Air Act issues, cooperative federalism, and opportunities to work together on issues like diesel truck tampering, NAAQS nonattainment, interstate transport, air toxics, and resource priorities.

Thanks so much for your consideration. If your schedule allows, AAPCA's membership would appreciate the opportunity to hear from you in person at the Spring Meeting in March. Please let me know if you have any questions, or if we can serve as a resource on any Clean Air Act issues in the future.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
Ex. 6 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2019 SPRING MEETING

March 25 – 27 | Hilton Baton Rouge Capitol Center | Baton Rouge, Louisiana

December 19, 2018

Mr. Andrew Wheeler
Acting Administrator
U.S. Environmental Protection Agency (EPA)
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N. W.
Washington, DC 20460

Dear Acting Administrator Wheeler,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we would like to invite you to attend and speak at AAPCA's 2019 Spring Meeting. AAPCA is a consensus-driven organization representing state and local air agencies on technical Clean Air Act issues. The Association's membership has greatly appreciated regular attendance and participation by senior U.S. EPA officials at previous meetings.

AAPCA's 2019 Spring Meeting will be held from March 25 to 27 in Baton Rouge, Louisiana at the Hilton Baton Rouge Capitol Center. Additional information is available on our website (www.cleanairact.org), and an outline of the meeting agenda can be found on the registration page. Once all presenters and attendees are confirmed, AAPCA will provide a more detailed agenda that will include panels and presentations on timely Clean Air Act topics.

The 2019 Spring Meeting will be closed press and include a full day of open-session programming on March 26th, including the keynote luncheon. Programming on March 27th will be limited to federal, state, and local air agency personnel and their multi-jurisdictional organizations. AAPCA's 2018 Fall Business Meeting was attended by nearly 150 participants, including senior officials from 25 state and local air agencies as well as senior leadership from the U.S. EPA's Offices of Air and Radiation, General Counsel, Transportation and Air Quality, Inspector General, and multiple EPA regions.

Thank you for your consideration of our request. If your schedule permits, AAPCA's members look forward to seeing you in Baton Rouge and discussing opportunities to work together on Clean Air Act issues. If you have any questions, you can reach AAPCA's Executive Director, Mr. Jason Sloan, at jsloan@csg.org or (859) 244-8043.

Sincerely,

Nancy Vehr
Administrator, Air Quality Division
Wyoming Department of Environmental Quality
2019 President, AAPCA

Marc Cone
Director, Bureau of Air Quality
Maine Department of Environmental Protection
2019 Vice President, AAPCA

Message

From: Stanley Pohlit [Ex. 6]
Sent: 7/26/2018 9:32:55 AM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
Subject: [DMARC Fail] Please protect children and farmworkers with a ban on chlorpyrifos

Andrew Wheeler,

As the new administrator of the Environmental Protection Agency, I urge you to take action to ban chlorpyrifos once and for all.

Science shows that the insecticide can damage children's brains, even at the very low levels of exposure found on fruits and vegetables. Farmers, farmworkers and rural families are exposed to much higher levels, as the chemical drifts off fields where it is applied into neighboring farms, schools and homes. It also contaminates water supplies in rural areas across the country.

EPA's own scientists have found no level of exposure to this chemical is safe for workers or children, and recommended that it be withdrawn for use on all food crops.

Human health is more important than corporate profits or partisan politics. Please take steps within EPA to ban chlorpyrifos, today.

Thank you.

Stanley Pohlit

Ex. 6

Message

From: Cheryl Kelton (Ex. 6 Sent You a Personal Message [automail@knowwho.com]
Sent: 2/19/2019 10:52:32 AM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
Subject: Re: EDocket ID No. EPA-HQ-OW-2018-0149, Donâ€™t Rollback the Clean Water Act

Dear Andrew Wheeler,

Dear Acting Administrator Wheeler,

I am deeply disturbed that you are attacking one of our most basic environmental laws -- the Clean Water Act. Put in place close to 50 years ago when rivers in our country were burning and our drinking water sources were questionable, this law has helped to clean up one of our most valuable natural resources.

The Clean Water Act still has a lot more work to do to ensure clean water for all. But instead of strengthening or enforcing the current law, Trump and your EPA are finding ways to weaken and dismantle it. This is not acceptable.

The Dirty Water Rule you have proposed is not acceptable to our communities -- it's just a giveaway to polluting interests. You must rescind this proposed rule and stop ignoring the scientific foundation, strong legal basis, and public support of basic Clean Water Act protections for drinking water sources.

Sincerely,

Cheryl Kelton

Ex. 6

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. Please contact Dave Simon at core.help@sierraclub.org or (415) 977-5500 for more information.

Message

From: Stanley Pohlit [Ex. 6
Sent: 8/10/2018 1:08:12 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
Subject: [WARNING: DMARC validation failed] Revoke registration of dicamba on soy

Andrew Wheeler,

Thanks to a sharp increase in the use of dicamba — driven up by widespread planting of Monsanto's herbicide-resistant "Xtend" soy — farmers are facing crop damage from dicamba drift for the second year in a row.

In 2017, the chemical destroyed 3.6 million acres of non-GE crops in 20 states, and latest estimates by university weed scientists indicate over one million acres of dicamba-injured soybeans across the country so far this year. This is unacceptable.

Even when farmers use Monsanto's recently approved "Xtendimax" formulation of dicamba exactly as directed, the chemical is volatilizing and causing devastating drift damage in neighboring fields.

I urge you to halt this epidemic of crop damage and immediately revoke registration of all dicamba formulations for use on soy.

Thank you.

Stanley Pohlit

Ex. 6

Message

From: Mike North [mikenorthnc Personal Privacy / Ex. 6
Sent: 1/28/2019 3:00:25 PM
To: 'Sen. Vickie Sawyer' [Vickie.Sawyer@ncleg.net]; John.Fraley@ncleg.net; john.ong.nc Personal Privacy / Ex. 6 'BJ Butler' Personal Privacy / Ex. 6 'Frank Holleman' [fholleman@selcnc.org]; 'Alexandra Russell' [Personal Privacy / Ex. 6]; Bob Webb [Personal Privacy / Ex. 6]; 'Pat Hennigan' Personal Privacy / Ex. 6]; franktinelli@allstate.com; leesasluder Personal Privacy / Ex. 6 'jim nelson' Personal Privacy / Ex. 6]; 'Black, Russell M.' [russell.black@kattenlaw.com]; michaeldobbins1 Personal Privacy / Ex. 6 ; 'Alan Harris' [afhinusa Personal Privacy / Ex. 6 ; susan@parentsknowmore.com; Michael.Regan@NCDENR.gov; Shiela.Holman@NCDENR.gov; John.Risgaard@NCDENR.gov; Andrew.Pitner@NCDENR.gov; lyn.good@duke-energy.com; ron.pfef@gmail.com; contactgov@nc.gov; phil.berger@ncleg.net; tim.moore@ncleg.net; Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
Subject: FW: VA Coal Ash News
Attachments: VA Coal Ash News update.pdf

Please read the attachment about Dominion Energy's positive coal ash move in the state of Virginia. There is no reason for Duke Energy in NC and our associated politicians to keep dragging their feet for too many years on full coal ash removal from the sites.
Duke saved a massive amount of money over the decades by leaving this coal ash poison by our drinking water supply, and they and their shareholders need to pay for the long delayed fix.
Hopefully, a very diminished NCDEQ and enough politicians will have the courage to move forward as Dominion Energy has done.

Mike North
Mooresville, NC

Bill represents stunning reversal on coal ash storage

SELC is pleased to share the news of a bipartisan bill to excavate all 28 million tons of toxic coal ash Dominion Energy currently stores in the Chesapeake Bay watershed. The ash either will be recycled into cement or concrete, or moved to a dry, lined landfill. Dominion has been storing its toxic ash for decades in unlined pits that are leaking pollutants into the groundwater and nearby waterways, including the James, Potomac, and Elizabeth rivers.

On Thursday, Virginia Governor Ralph Northam, the Speaker of the Virginia House of Delegates Kirk Cox, a bipartisan group of legislators, and Dominion announced their agreement on this legislation to clean up coal ash in Virginia. With broad bipartisan support and with Dominion's backing, we hope the bill quickly moves through the General Assembly and is signed into law in the coming weeks. It passed out of its first subcommittee the same day as the announcement.

SELC has been deeply engaged throughout the multi-year legislative process that culminated in this agreement, developing specific recommendations for this plan, demonstrating its feasibility, and working alongside many partner groups to build support. This tremendous milestone is the latest result from SELC's regional coal ash campaign, which has already secured clean up of more than 100 million tons of utilities' toxin-laden coal ash waste across our six-state region.

Message

From: Wheeler, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=17A1669EF5B54FBA8CB457845308787E-WHEELER, AN]
Sent: 4/20/2018 7:02:12 PM
To: Davis, Lisl Ruth [Lisl.Davis@duke-energy.com]
Subject: RE: RSVP for Louis RSVP

Yes I remember you, you share my sister's name although she spells it with an e. Make sure Louis treats you well, otherwise let me know.

From: Davis, Lisl Ruth [mailto:Lisl.Davis@duke-energy.com]
Sent: Friday, April 20, 2018 2:59 PM
To: Wheeler, Andrew <wheeler.andrew@epa.gov>
Subject: RSVP for Louis RSVP

Hi Andy,

I hope you've been well, and congratulations on your confirmation as EPA Deputy Administrator! I'm not sure if you recall, but I used work for Bill Johnson as his scheduler before joining Duke this past August. I love that I get to cross paths with so many familiar folks!

Louis asked that I RSVP for your ceremonial swearing-in celebration – he plans to be there on May 4th.

Enjoy your weekend!
Lisl

Lisl Davis
Legislative Specialist, Federal Government Affairs
Duke Energy
325 7th Street, NW, Suite 300 | Washington, DC 20004
O: 202-824-8000 | C: Ex. 6 lisl.davis@duke-energy.com

DUKE ENERGY.

Message

From: Wheeler, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=17A1669EF5B54FBA8CB457845308787E-WHEELER, AN]
Sent: 5/30/2018 10:03:46 PM
To: Renjel, Louis E. [Louis.Renjel@duke-energy.com]; Burton, Tamika [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=207e0f24fd934d6d8a3e4c400a311638-Burton, Tam]
CC: Sewell, Michael [Michael.Sewell@duke-energy.com]; Davis, Lisl Ruth [Lisl.Davis@duke-energy.com]
Subject: Re: Meeting Request

Tamika, please set this up, thanks.

Sent from my iPhone

> On May 30, 2018, at 5:48 PM, Renjel, Louis E. <Louis.Renjel@duke-energy.com> wrote:
>
> Andy,
>
> Hope you are doing well. Lynn Good, Duke Energy's CEO, will be in town on June 21st from 10AM - 4PM and, if you are available, would like to meet with you. Please let me know if you need any additional information.
>
> Thanks in advance for your consideration,
>
> Louis Renjel
>
> Sent from my iPhone

Message

From: Jason Sloan [jsloan@csg.org]
Sent: 7/23/2018 2:47:47 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
CC: spencer@adeq.state.ar.us [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user57d895a4]; nancy.vehr1@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user59f14cc3]
Subject: Introduction to AAPCA
Attachments: AAPCA 2018 Greatest Story - July 2018.pdf

Acting Administrator Wheeler,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), we would like to extend our congratulations on being named Acting Administrator of the U.S. Environmental Protection Agency. AAPCA is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. Currently, the Association represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on AAPCA's Board of Directors. We look forward to working with you and your team on Clean Air Act issues, and are pleased to share with you information about upcoming activities of the Association.

AAPCA will hold its 2018 Fall Business Meeting from September 17 to 19 in Raleigh, North Carolina. We expect more than two dozen state and local air agencies to attend, and regular participation by senior U.S. EPA officials at previous Association meetings is greatly appreciated by our membership. AAPCA is also working to schedule the Association's 2019 Spring Meeting in Baton Rouge, Louisiana in late-March of next year. If your schedule allows, AAPCA's membership would appreciate an opportunity to engage with you at a future meeting.

We are also excited to share with you a recent report on air quality published by AAPCA. On July 2, the Association released the 2018 edition of *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*, which catalogues air quality metrics and trends using publicly available data from U.S. EPA and other agencies. As you remarked in an interview last week, "air pollution is down 74 percent since the 1970s." AAPCA's report (an accompanying press release is available here) details these positive trends and underscores the important role of state and local air quality agencies in achieving air quality progress. The report also highlights key areas where states agencies serving on the AAPCA Board of Directors have frequently outperformed national averages.

Again, congratulations and thank you for your public service in this vital, critical role. Please let me know if you have any questions about AAPCA's meetings or report, or if we can serve as a resource on any Clean Air Act issues in the future.

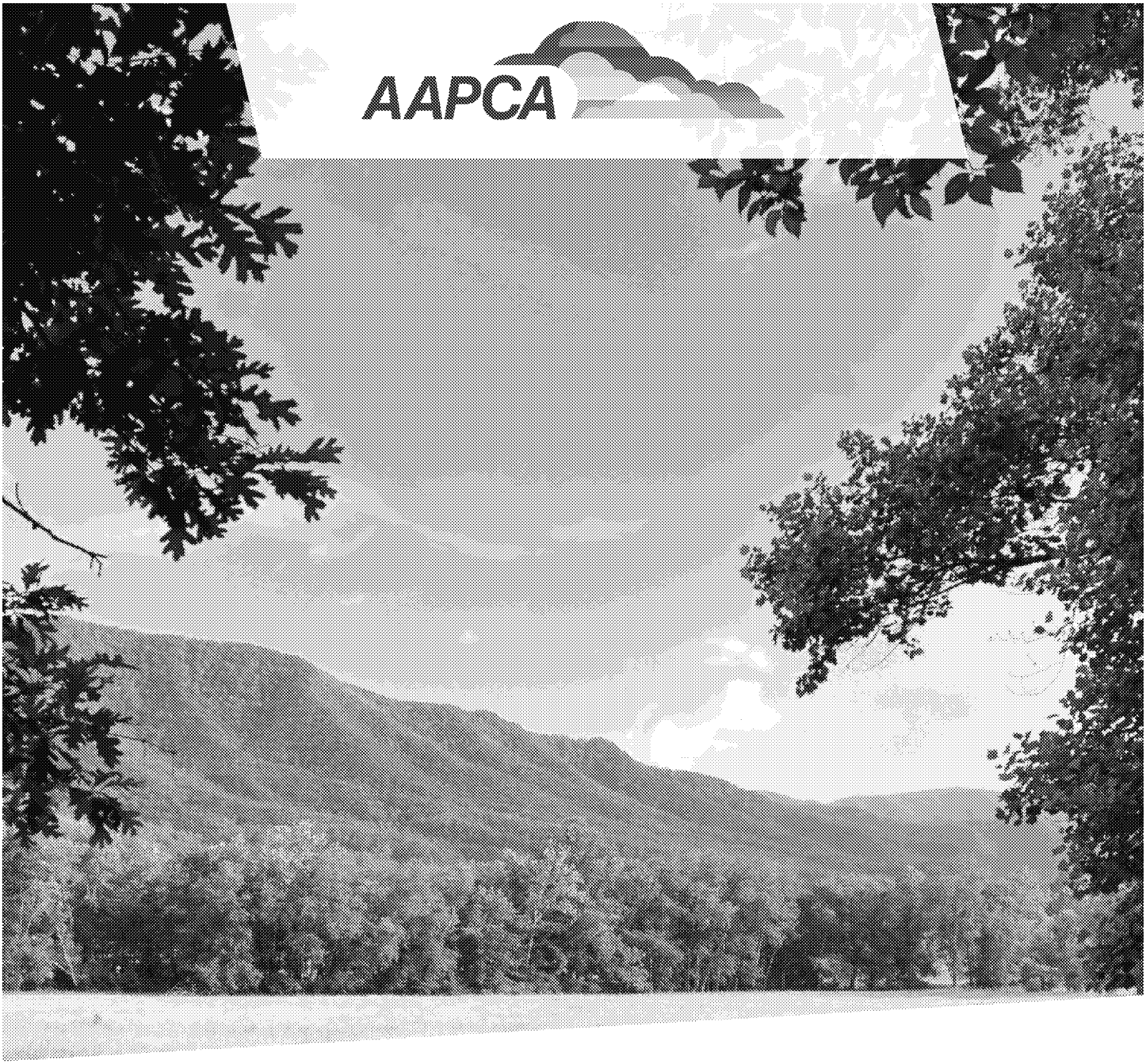
Sincerely,

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
Ex. 6 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 FALL BUSINESS MEETING

September 17-19 | Raleigh Marriott Crabtree Valley Hotel | Raleigh, North Carolina



The Greatest Story Seldom Told

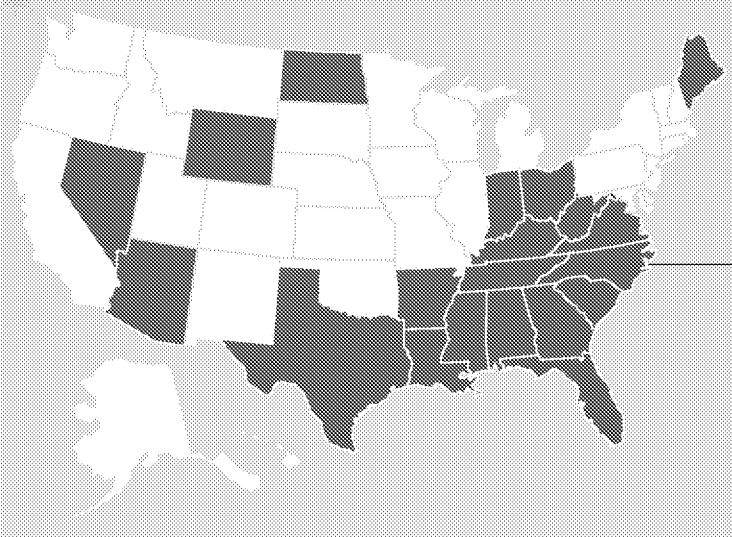
Profiles and Success Stories in Air Pollution Control

Association of Air Pollution Control Agencies

July 2018

The Association of Air Pollution Control Agencies (AAPCA) is a consensus-driven organization focused on assisting state and local air quality agencies and personnel with implementation and technical issues associated with the federal Clean Air Act. AAPCA members work collaboratively on behalf of states and the communities they protect to act as a conduit for and provide feedback to federal regulators on air quality rules that have significant impacts across the entire nation. AAPCA represents more than 40 state and local air agencies, and senior officials from 20 state environmental agencies currently sit on the AAPCA Board of Directors. AAPCA is housed in Lexington, Kentucky as an affiliated association of The Council of State Governments (CSG). More information about AAPCA may be found by visiting **http://www.cleanairact.org.**

State Environmental Agencies Currently Represented on the AAPCA Board of Directors



Alabama	**Nevada**
Arizona	**North Carolina**
Arkansas	**North Dakota**
Florida	**Ohio**
Georgia	**South Carolina**
Indiana	**Tennessee**
Kentucky	**Texas**
Louisiana	**Virginia**
Maine	**West Virginia**
Mississippi	**Wyoming**

Footprint of AAPCA State Members

State members of the AAPCA Board of Directors have primary responsibility for air quality for a significant portion of the country, as reflected in the following statistics:

- An estimated 143 million Americans, nearly 45 percent of the **total U.S. population**;
- An **average population growth** from 2000 – 2017 of approximately 22 percent, compared to national population growth of 15.7 percent;
- Nearly 40 percent of **U.S. Gross Domestic Product**;
- 45 percent of **U.S. Total Manufacturing Output** and over five million manufacturing jobs;
- 60 percent of **total energy production** in the United States, including:
  - 55 percent of **total net electricity generation**;
  - 77 percent of **coal production**;
  - 67 percent of **crude oil production**;
  - 56 percent of **natural gas production**;
  - 37 percent of **wind generation**; and,
  - 33 percent of **solar generation**;
- More than 60 percent of **U.S. operable petroleum refining capacity**;
- Nearly 50 percent of **Highway Vehicle-Miles Traveled**; and,
- Seven of the top ten states for number of establishments related to **automotive production**, and more than 45 percent of direct U.S. automotive manufacturing jobs.

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Foreword

Dear Readers,

What greater natural resource do we have than our clean air? In the United States, we are blessed to enjoy landscapes replete with scenic vistas, sandy beaches, vast plains, grasslands, deserts, and majestic mountain ranges. Our experiences and the memories we make in those locations are made more enjoyable when we have clean air. We are also a nation built on a vibrant economy driven by technological innovation and determination, traits exemplified by the successes we've had in growing our job-creating industries. Importantly, we've achieved and sustained this economic growth while realizing air quality improvements throughout the country.

I'm honored to serve as current President for the Association of Air Pollution Control Agencies (AAPCA), and excited to present to you the 2018 edition of *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control*, which details air quality trends in our member states' footprint and nationwide. AAPCA is a consensus-driven organization of 45 state and local air agencies focused on assisting members and their personnel with implementation of technical issues associated with the federal Clean Air Act. The AAPCA board of directors is made up of the Air Directors from our 20 geographically diverse Member States' environmental protection agencies. Despite the miles between state borders, we have common goals and missions. At the Arkansas Department of Environmental Quality, the Office of Air Quality strives to protect air quality to enhance the lives and health of all Arkansans and visitors to the State, while fostering responsible economic expansion opportunities. I know my fellow Air Directors strive for similar outcomes in each of their states.

AAPCA Member States lead the way in a number of air quality indicators. Perhaps most impressively, from 1990 to 2017, AACPA Member States realized a 56-percent reduction in the combined emissions of the six criteria air pollutants for which there are national ambient air quality standards. In this report, you will find additional information that demonstrates the leadership AAPCA Member States have taken in improving air quality over the last several decades. Examples of successes include:

- Ozone Precursor Emissions Trends: AAPCA Member States reduced emissions of nitrogen oxides (NO_x) from over 12.6 million tons in 1997 to less than 5.4 million tons in 2017 – nearly 60 percent. Over the same period, volatile organic compounds emissions in AAPCA Member States went down 14 percent, from over 9,000 tons to around 7,700 tons.
- Electricity Sector Emissions Reductions: From 1996 to 2015, sulfur dioxide emissions from the electricity sector in AAPCA Member States were reduced 84 percent, from 8,301,000 tons to 1,324,000 tons. Similarly, NO_x emissions from the electricity sector went from 3,983,000 tons in 1996 to 803,000 tons in 2015, a decrease of nearly 80 percent.
- Toxic Air Releases Trends: U.S. EPA's *2016 Toxic Release Inventory National Analysis* revealed a 58-percent reduction in reported toxic air releases nationally, with AAPCA Member States accounting for more than 551-million pounds of the 829-million-pound reduction that was documented, or more than 66 percent of the national total.

As Air Directors, we acknowledge our work is not over. AAPCA Member States continue to engage with the U.S. EPA and our stakeholders to realize the best outcomes for air quality. With each passing year, we will continue to highlight the results of our efforts. The story of our continued progress tells itself, and we are proud to share it with you.

Stuart Spencer
Associate Director, Arkansas Department of Environmental Quality
President, AAPCA

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Introduction: Telling the Story of Air Quality in the United States

State and local air agencies, responsible for implementing regulations and standards under the federal Clean Air Act, have been at the forefront of the significant progress in air quality that has been achieved over the past several decades. This progress has been driven by complex planning and regulatory decisions that are made by agencies informed through direct connections with the communities they serve. Sensible, localized strategies that address air pollution and respond to unique social and economic factors are developed through agency leadership and active public participation.

This yearly report, first published by the Association of Air Pollution Control Agencies (AAPCA) in April 2017, highlights key air quality metrics and trends using publicly available data from the U.S. Environmental Protection Agency (EPA) and similar agencies. These trends range from concentrations of criteria air pollutants and visibility progress in national parks to permitting and compliance and enforcement statistics. Where applicable, this report also presents the trend lines of economic and social indicators that provide important context for air quality nationally – and which are often in sharp contrast to the trend lines of air pollutants.

Air Quality Progress: A Story Seldom Told

The **inaugural edition** of *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control* categorized the story of air quality progress into three major sections. The first section detailed the critical areas where the 20 states who serve on the AAPCA Board of Directors have provided leadership; the second contextualized United States air quality success in terms of exceeding international progress; and, the final section catalogued a broad range of national air quality trends. In two parts, the 2018 version of The Greatest Story Seldom Told builds on the indicators and long-term trends that were presented last year.

This year's report first looks at the continued leadership of AAPCA Member States. The state members of AAPCA have substantially improved air quality in their jurisdictions, often outperforming national metrics, while experiencing above-average population and economic growth. AAPCA Member States are also significant contributors to several important economic sectors, including energy production and manufacturing.

The second part of this report catalogues a broad range of trends and metrics that characterize air quality nationally. Updated data and analyses continue to show positive momentum in reducing air pollution, including in the concentrations and emissions of criteria air pollutants, air releases of toxic chemicals, and greenhouse gases. As with AAPCA Member States, these national reductions trace very different trend lines from those reflecting sustained growth in U.S. Gross Domestic Product, population, and energy consumption.

Communicating Air Quality

Understanding the leadership position of state and local air agencies in prioritizing environmental concerns – and planning for solutions – underscores their unique position in communicating with the public about air quality. With expert personnel that can interpret up-to-date air quality data and have experience interfacing with the public, these agencies are able to provide accurate, responsive information to the communities they serve.

The 2018 edition of *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control* highlights the remarkable progress that has been made in air quality and seeks to be a complement to agency work. With stable, adequate resources, state and local air agencies can continue to perform the vital role provided by the Clean Air Act's framework of cooperative federalism – and provide another chapter in the story of air pollution control.

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Types of Air Quality Data and Metrics

Trends and indicators of air quality can be measured in a variety of ways, but an important group of data to analyze is that of the air pollutants that are regulated under the federal Clean Air Act. The Clean Air Act directs the U.S. Environmental Protection Agency (EPA) to establish national ambient air quality standards (NAAQS) for air pollutants the "attainment and maintenance of which in the judgment of the Administrator, based on such criteria and allowing an adequate margin of safety, are requisite to protect the public health."[1] NAAQS have been set for six "criteria" pollutants: carbon monoxide (CO), sulfur dioxide (SO_2), ground-level ozone (O_3), fine particulate matter ($PM_{2.5}$), lead (Pb), and nitrogen dioxide (NO_2).[2]

Section 109 of the Clean Air Act requires EPA to establish both primary and secondary NAAQS. Primary NAAQS are "standards the attainment and maintenance of which ... are requisite to protect the public health," while secondary NAAQS "specify a level of air quality the attainment and maintenance of which ... is requisite to protect the public welfare from any known or anticipated adverse effects associated with the presence of such air pollutant in the ambient air."[3] U.S. EPA and the Clean Air Scientific Advisory Committee review the adequacy of the NAAQS according to the statute. Individual NAAQS may have a different form (for example, annual fourth-highest daily maximum 8-hour concentration average over three years, for ozone), level (often measured in parts per billion or micrograms per cubic meter), and averaging time (from one hour up to one year).

Nationally, ambient air pollution data from thousands of monitors across the United States is collected by U.S. EPA, state, local, and tribal air pollution control agencies and provided to the Air Quality System. These data are used to "assess air quality, assist in Attainment/Non-Attainment designations, evaluate State Implementation Plans for Non-Attainment Areas, perform modeling for permit review analysis, and other air quality management functions. Air Quality System information is also used to prepare reports for Congress as mandated by the Clean Air Act."[4]

U.S. EPA reports on long-term air quality trends by preparing data analyses that show the overall trend lines for pollutant concentrations and emissions. Primary sources were used for this report when looking at criteria air pollutants include:

- For criteria air pollutant concentrations in ambient air, data are pulled from EPA's analysis of the Air Quality System that looks at long-term trends in air quality.[5]
- Data showing emissions trends of the criteria pollutants are pulled from U.S. EPA's Air Pollutant Emissions Trends Data,[6] which includes "all criteria pollutants National Tier 1" and relies on the National Emissions Inventory (NEI). The NEI is "a comprehensive and detailed estimate of air emissions of criteria pollutants, criteria precursors, and hazardous air pollutants from air emissions sources ... released every three years based primarily upon data provided [to the Emissions Inventory System] by State, Local, and Tribal air agencies for sources in their jurisdictions and supplemented by data developed by the US EPA."[7]
- Design values, which U.S. EPA defines as "a statistic that describes the air quality status of a given location relative to the level of the NAAQS ... typically used to designate and classify nonattainment areas, as well as to assess progress towards meeting the NAAQS."[8]

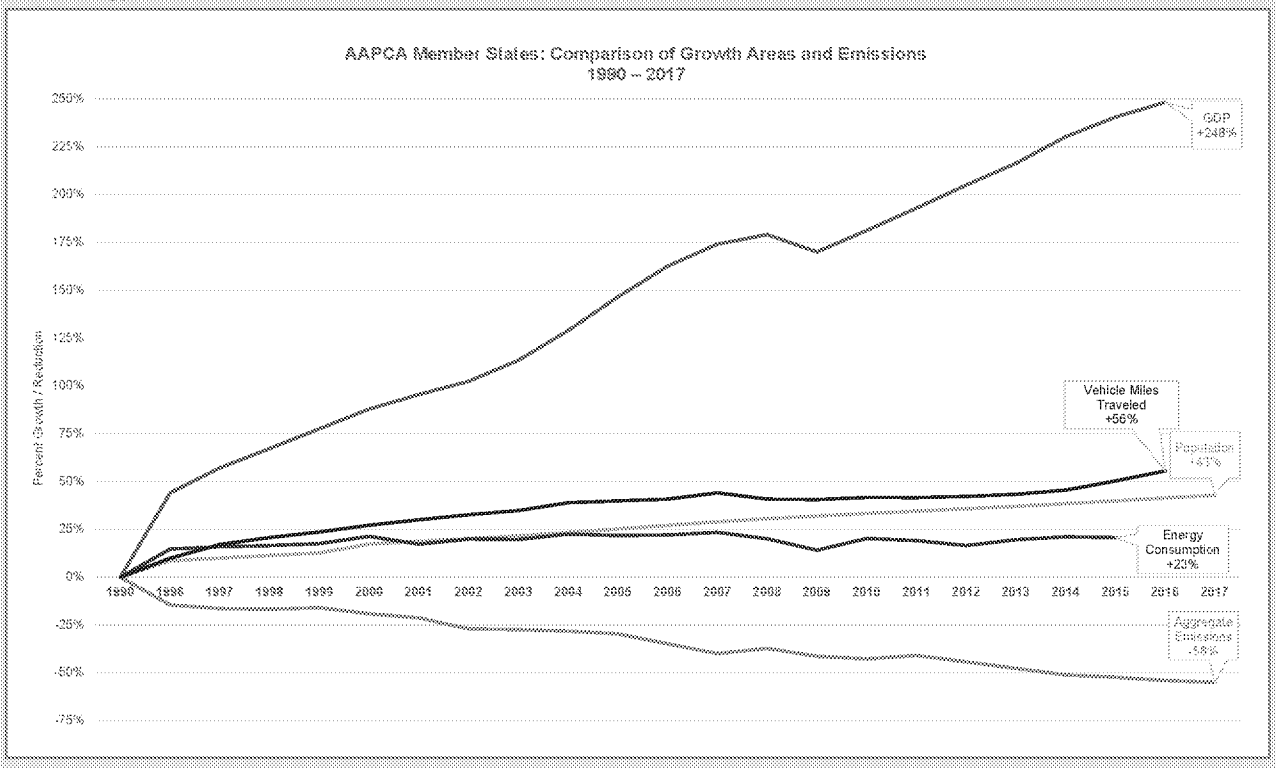
This report also includes data for hazardous air pollutants, visibility progress in national parks, wilderness areas and greenhouse gases. For hazardous air pollutants, the Toxic Release Inventory[9] provides a consistent trend over time that is shown here in conjunction with air toxics analysis from U.S. EPA's *2014 Report on the Environment*.[10] Greenhouse gas data is pulled primarily from U.S. EPA's *Inventory of U.S. Greenhouse Gas Emissions and Sinks*[11] and the U.S. Energy Information Administration's (EIA) report *Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2015*.[12]

[1] 42 U.S.C. §7409(b)(1)
[2] A chart of the primary and secondary NAAQS by pollutant can be found **here**.
[3] 42 U.S.C. §7409
[4] EPA **notes** that the AQS "also contains meteorological data, descriptive information about each monitoring station (including its geographic location and its operator), and data quality assurance/quality control information."
[5] Links to data summary files can be found **here**.
[6] Data can be found **here**. EPA notes: "The latest version of the 1970 – 2017 data show the trends for Tier 1 categories which distinguish pollutant emission contributions among major source types ... As inventory methods are improved over time, for some emission sources and improved estimation method may be applied 'backwards' to previous year trend estimates."
[7] More information on the NEI can be found **here**. Version 2 released February 2018.
[8] U.S. EPA, ***Air Quality Design Values***.
[9] U.S. EPA, ***2016 Toxic Release Inventory National Analysis***, April 2018.
[10] U.S. EPA, EPA's Report on the Environment (ROE). Last updated July 2017.
[11] U.S. EPA, ***Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016***, May 2018.
[12] U.S. EIA, ***Energy-Related Carbon Dioxide Emissions at the State Level, 2000-2015***, January 22, 2018.

AAPCA Member States: Growth Indicators and Emissions Reductions

From 1990 to 2017, AAPCA Member States oversaw a 56-percent reduction in the combined emissions of the six criteria air pollutants for which there are national ambient air quality standards (NAAQS).[1] Over the same period, AAPCA Member States as a whole experienced the following growth in economic and social indicators:

- Through 2016, a 248-percent increase in Gross Domestic Product (GDP), including accounting for nearly 40 percent of total U.S. GDP in 2017;[2]
- An approximately 56-percent increase in vehicle miles traveled through 2016;[3]
- A 43-percent increase in population,[4] representing an estimated 45 percent of the total U.S. population in 2017;[5] and,
- A 23-percent increase in energy consumption from 1990 to 2015, while producing 60 percent of total U.S. energy in 2015.[6]



Sources: U.S. Bureau of Economic Analysis, data available **here**; U.S. Office of Highway Policy Information, data available **here**; U.S. Census Bureau, data available **here**; U.S. EIA, **State Energy Data System (SEDS): 1960-2015**; U.S. EPA, **Air Pollutant Emissions Trends**. Data file: "State Average Annual Emissions Trend."

> "It makes sense for state and local air pollution agencies to take the lead in carrying out the Clean Air Act. They are able to develop solutions for pollution problems that require special understanding of local industries, geography, housing, and travel patterns, as well as other factors ... State, local, and tribal governments also monitor air quality, inspect facilities under their jurisdictions and enforce Clean Air Act regulations."
>
> U.S. EPA, ***The Plain English Guide to the Clean Air Act***, April 2007.

AIR QUALITY

Ozone

According to U.S. EPA's online *Green Book*, there were 46 areas in the United States designated nonattainment or maintenance[7] for the 2008 8-hour ozone national ambient air quality standard (NAAQS) of 0.075 parts per million (ppm).[8] Design values based on monitoring data from U.S. EPA's Air Quality System show that the 14 designated areas located within AAPCA Member States averaged a nearly 18-percent reduction in ambient concentrations of ozone from 2005 to 2016.[9] The table below shows percent reductions in design values for areas previously designated nonattainment in AAPCA Member States over this period.

Designated Area	Percent Change
Atlanta, GA	-21.05%
Baton Rouge, LA	-20.22%
Charlotte-Rock Hill, NC-SC	-24.73%
Chicago-Naperville, IL-IN-WI	-9.41%
Cincinnati, OH-KY-IN	-18.18%
Cleveland-Akron-Lorain, OH	-16.67%
Columbus, OH	-18.39%
Dallas-Fort Worth, TX	-15.79%
Houston-Galveston-Brazoria, TX	-17.71%
Knoxville, TN	-23.86%
Memphis, TN-MS-AR	-24.72%
Phoenix-Mesa, AZ	-7.23%
Upper Green River Basin Area, WY	-10.00%
Washington, DC-MD-VA	-20.88%

Source: U.S. EPA, **Air Quality Design Values**. Data file: "Ozone Design Values, 2016."

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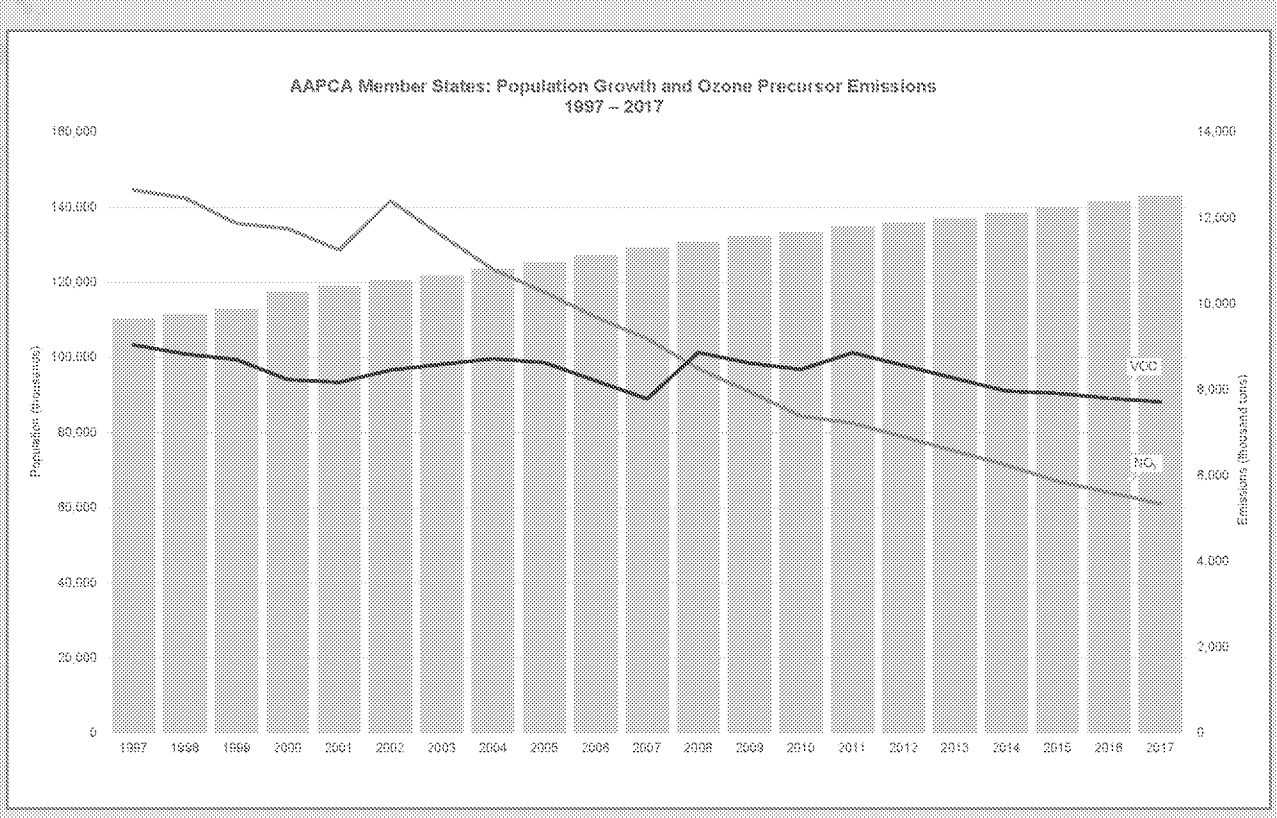
Ozone Precursor Emissions

Over the past two decades, the population in AAPCA Member States has grown nearly 30 percent, from 110,184,675 people in 1997 to 143,030,023 in 2017.[10] At the same time, emissions of nitrogen oxides (NO_x) and volatile organic compounds (VOC), precursors for ground-level ozone, decreased.[11] Emissions of NO_x fell nearly 60 percent, from over 12.6 million tons in 1997 to less than 5.4 million tons in 2017. Similarly, VOC emissions in AAPCA Member States went from over 9,000 tons to around 7,700 tons, a reduction of approximately 14 percent over the same period.[12]



Sources: U.S. Census Bureau, data available **here**; U.S. EPA, **Air Pollutant Emissions Trends.** Data file: "State Average Annual Emissions Trend."

Fine Particulate Matter

U.S. EPA's *Green Book* indicates that there were 39 locations in the United States designated non-attainment for the 1997 fine particulate matter ($PM_{2.5}$) NAAQS of 15 micrograms per cubic meter (µg/m³), as measured by the three-year average annual mean concentration.[13] From 2005 to 2016, design values for the 24 designated areas in AAPCA Member States show an average 38-percent reduction in fine particulate matter concentrations.[14] The table below shows percent reductions in design values for areas previously designated nonattainment in AAPCA Member States over this period.

Designated Area	Percent Change
Atlanta, GA	-35.80%
Birmingham, AL	-40.11%
Canton-Massillon, OH	-32.92%
Charleston, WV	-45.78%
Chattanooga, AL-TN-GA	-36.84%
Chicago-Gary-Lake County, IL-IN	-36.48%
Cincinnati-Hamilton, OH-KY-IN	-38.15%
Cleveland-Akron-Lorain, OH	-27.38%
Columbus, OH	-35.57%
Dayton-Springfield, OH	-41.29%
Evansville, IN	-32.67%
Greensboro-Winston Salem-High Point, NC	-40.40%
Hickory-Morganton-Lenoir, NC	-41.45%
Huntington-Ashland, WV-KY-OH	-47.59%
Indianapolis, IN	-34.10%
Knoxville, TN	-34.18%
Louisville, KY-IN	-36.53%
Macon, GA	-39.16%
Martinsburg-Hagerstown, WV-MD	-37.34%
Parkersburg-Marietta, WV-OH	-42.21%
Rome, GA	-38.51%
Steubenville-Weirton, WV-IL	-35.98%
Washington, DC-MD-VA	-35.92%
Wheeling, WV-OH	-32.89%

Source: U.S. EPA, **Air Quality Design Values**. Data file: "$PM_{2.5}$ Design Values, 2016."

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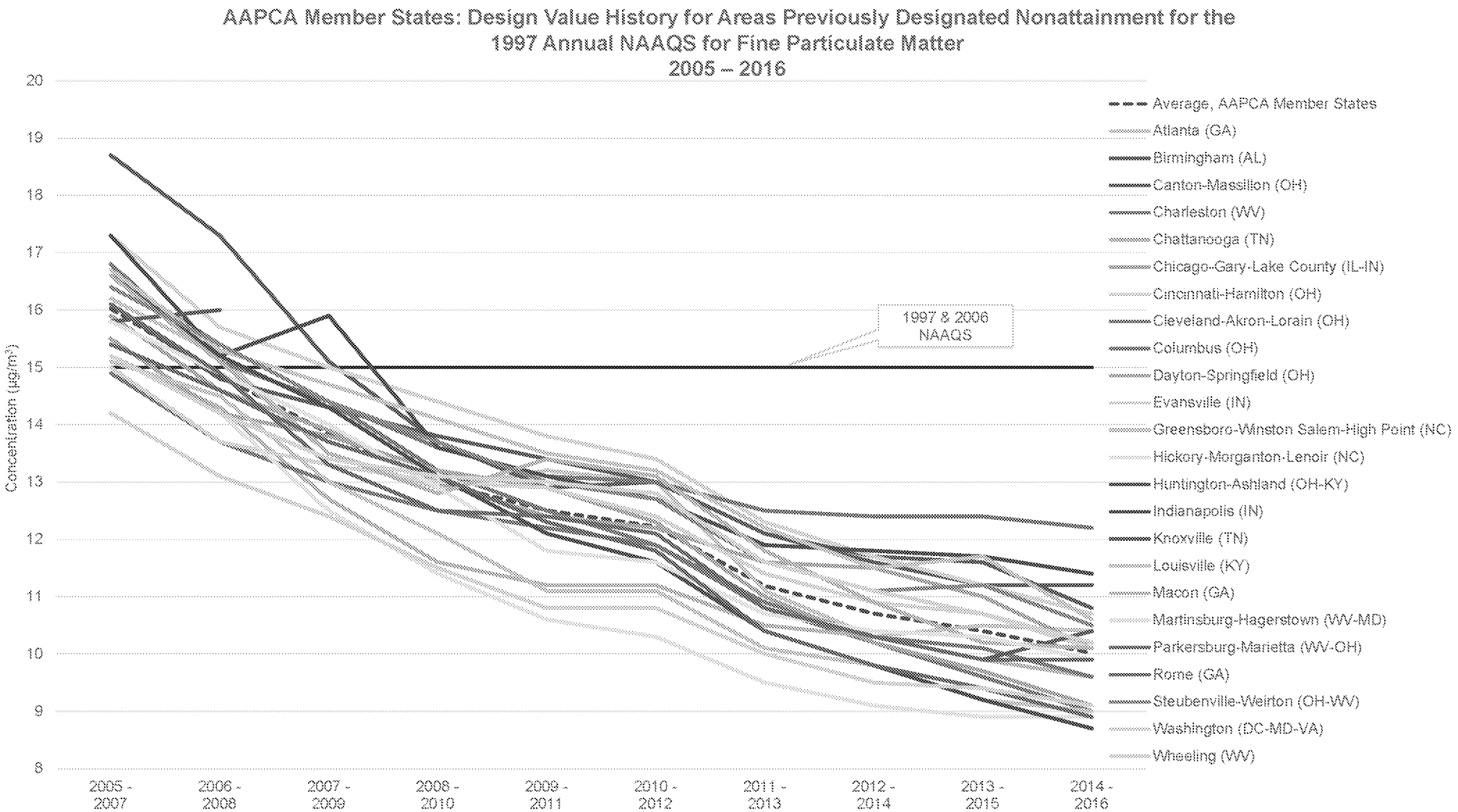
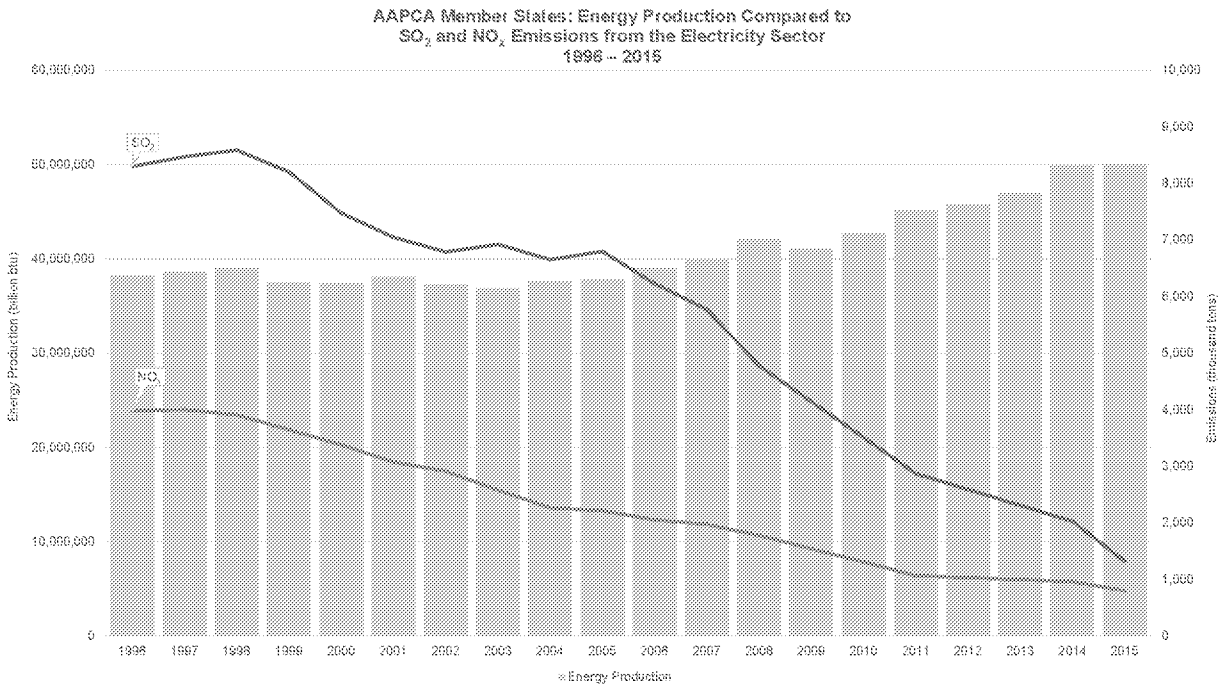

AAPCA Member States: Design Value History for Areas Previously Designated Nonattainment for the
1997 Annual NAAQS for Fine Particulate Matter
2005 – 2016
Concentration (µg/m³)
20
19
18
17
16
15
14
13
12
11
10
9
8
1997 & 2006
NAAQS
2005 - 2007
2006 - 2008
2007 - 2009
2008 - 2010
2009 - 2011
2010 - 2012
2011 - 2013
2012 - 2014
2013 - 2015
2014 - 2016
Average, AAPCA Member States
Atlanta (GA)
Birmingham (AL)
Canton-Massillon (OH)
Charleston (WV)
Chattanooga (TN)
Chicago-Gary-Lake County (IL-IN)
Cincinnati-Hamilton (OH)
Cleveland-Akron-Lorain (OH)
Columbus (OH)
Dayton-Springfield (OH)
Evansville (IN)
Greensboro-Winston Salem-High Point (NC)
Hickory-Morganton-Lenoir (NC)
Huntington-Ashland (OH-KY)
Indianapolis (IN)
Knoxville (TN)
Louisville (KY)
Macon (GA)
Martinsburg-Hagerstown (WV-MD)
Parkersburg-Marietta (WV-OH)
Rome (GA)
Steubenville-Weirton (OH-WV)
Washington (DC-MD-VA)
Wheeling (WV)

ELECTRICITY SECTOR EMISSIONS REDUCTIONS

Energy production in AAPCA Member States increased by more than 30 percent from 1996 to 2015,[15] while emissions of sulfur dioxide (SO_2) and oxides of nitrogen (NO_x) were reduced significantly. SO_2 emissions from the electricity sector in AAPCA Member States decreased 84 percent, from 8,301,000 tons in 1996 to 1,324,000 tons in 2015, while NO_x emissions from the electricity sector went from 3,983,000 tons in 1996 to 803,000 tons in 2015, a reduction of nearly 80 percent.[16]



Sources: U.S. EIA, **State Energy Data System (SEDS): 1960-2015**; U.S. EPA, **Air Pollutant Emissions Trends**. Data file: "State Average Annual Emissions Trend."

Cost of Energy

In 2016, the average retail price for electricity in AAPCA Member States was 9.21 cents per kilowatt-hour (cents/kWh), about 1.06 cents/kWh less than the national average of 10.27 cents/kWh – nearly 11 percent cheaper.

Source: U.S. EIA, "**State Electricity Profiles**," January 25, 2018.

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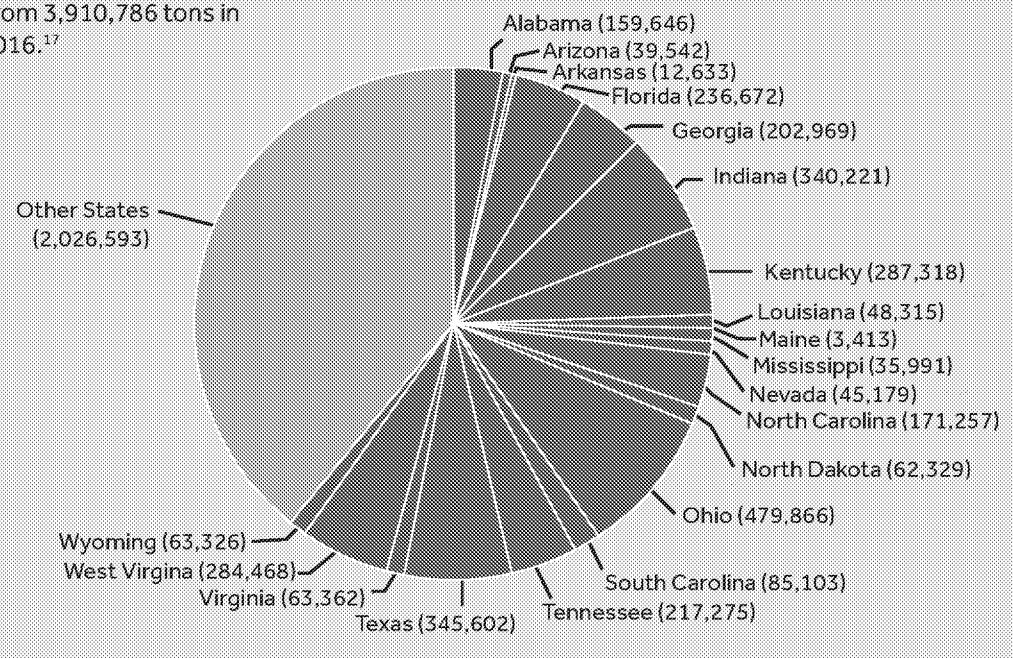
Oxides of Nitrogen

Between 1990 and 2016 AAPCA Member States accounted for more than 61 percent of the NO_x emissions reductions in the electricity sector, lowering NO_x emissions from 3,910,786 tons in 1990 to 726,405 tons in 2016.[17]

AAPCA Member States: Share of NO_x Emissions Reductions in the Electricity Sector, 1990-2016
(tons of NO_x reduced)

Source: U.S. EPA, "**Annual NO_x Emissions from CSAPR and ARP Sources, 1990 – 2016**," May 2018.

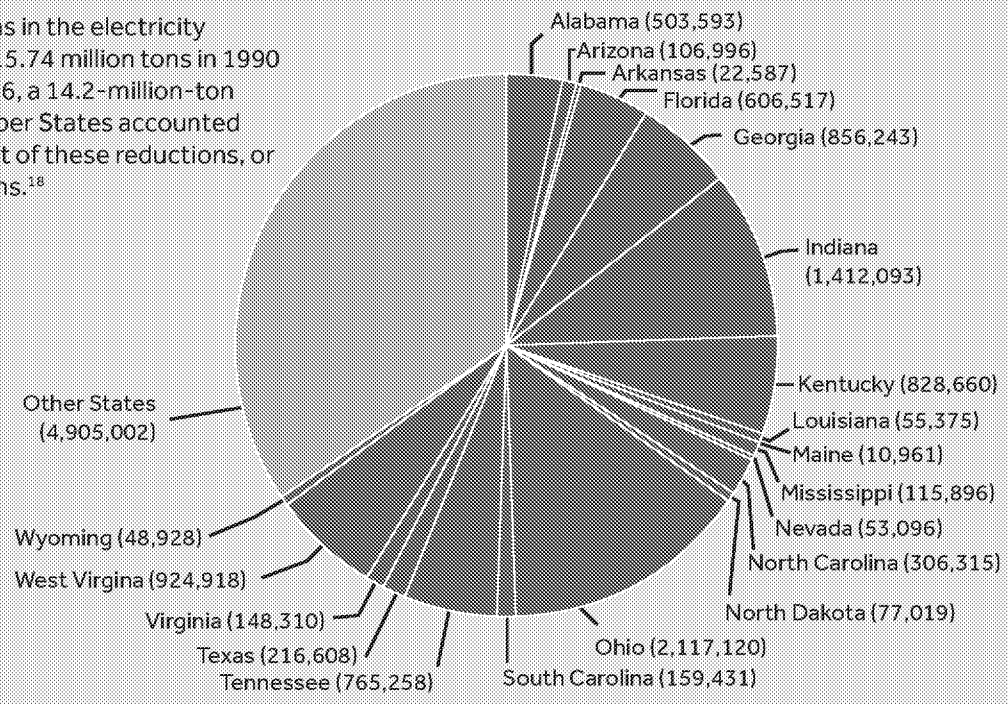


Sulfur Dioxide

Nationally, SO_2 emissions in the electricity sector decreased from 15.74 million tons in 1990 to 1.5 million tons in 2016, a 14.2-million-ton reduction. AAPCA Member States accounted for more than 65 percent of these reductions, or more than 9.3 million tons.[18]

AAPCA Member States: Share of SO_2 Emissions Reductions in the Electricity Sector, 1990-2016
(tons of SO_2 reduced)

Source: U.S. EPA, "**State-by-State SO_2 Emissions from CAIR and ARP Sources, 1990-2016**," May 2018.



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Recent AAPCA Best Practice Winners

Each year, AAPCA awards Best Practices that identify ground breaking technology, innovative approaches, and exemplary operations in the field of air pollution control, with particular focus on activities that are directly transferable to the operation of an air pollution control agency. Below are recipients of AAPCA Best Practices for the past three years:

2017:
- **National Ambient Air Quality Standards (NAAQS) Exceedance Reports**, Georgia Environmental Protection Division, Air Protection Branch
- **Pollutants of Concern Table Implementation**, Kentucky Division for Air Quality
- **Standardization of an Engineer's Notebook for Title V Permitting**, Wyoming Department of Environmental Quality, Air Quality Division

2016:
- **Air Protection Branch 101 Training**, Georgia Environmental Protection Division, Air Protection Branch

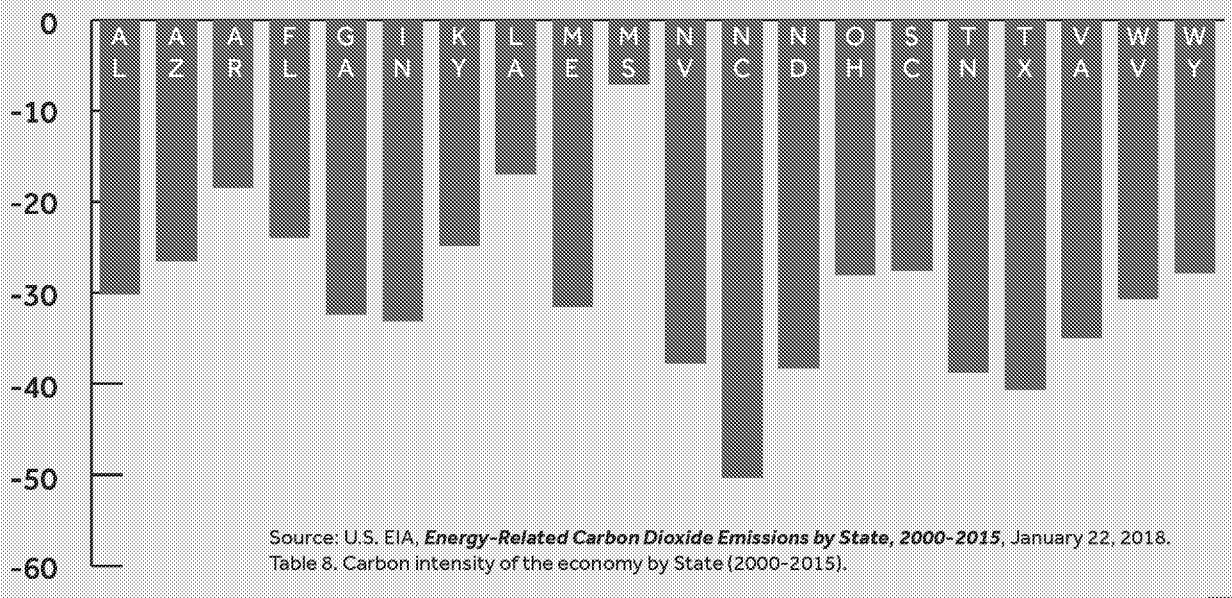
2015:
- **AirCom: Florida Division of Air Resource Management's New Compliance and Enforcement Database and Field Inspection Tool,** Florida Department of Environmental Protection
- **FAIR: Florida Air Inspector Reference**, Florida Department of Environmental Protection
- **Promoting Energy Efficiency at Commercial and Industrial Facilities in North Carolina**, North Carolina Division of Air Quality

GREENHOUSE GASES AND ENERGY

From 2000 to 2015, the 20 states that comprise the AAPCA Board of Directors reduced energy-related carbon dioxide emissions by 337.4 million metric tons, accounting for more than 56 percent of cumulative national reductions. AAPCA Member States also represented the following trends:[19]

- An average decrease in energy intensity of 19.2 percent, or 2.5 thousand British thermal units (Btu) per dollar of GDP, compared to the national average of 1.7 Btu per dollar of GDP;
- An average reduction in carbon intensity of the economy of 30 percent; and,
- On average, above a 19-percent reduction in per capita energy-related carbon dioxide emissions, or approximately 6.7 metric tons per person – 41 percent more than the national average of 4.4 metric tons per person.

AAPCA Member States: Carbon Intensity of the Economy
2000 - 2015



Source: U.S. EIA, ***Energy-Related Carbon Dioxide Emissions by State, 2000-2015***, January 22, 2018. Table 8. Carbon intensity of the economy by State (2000-2015).

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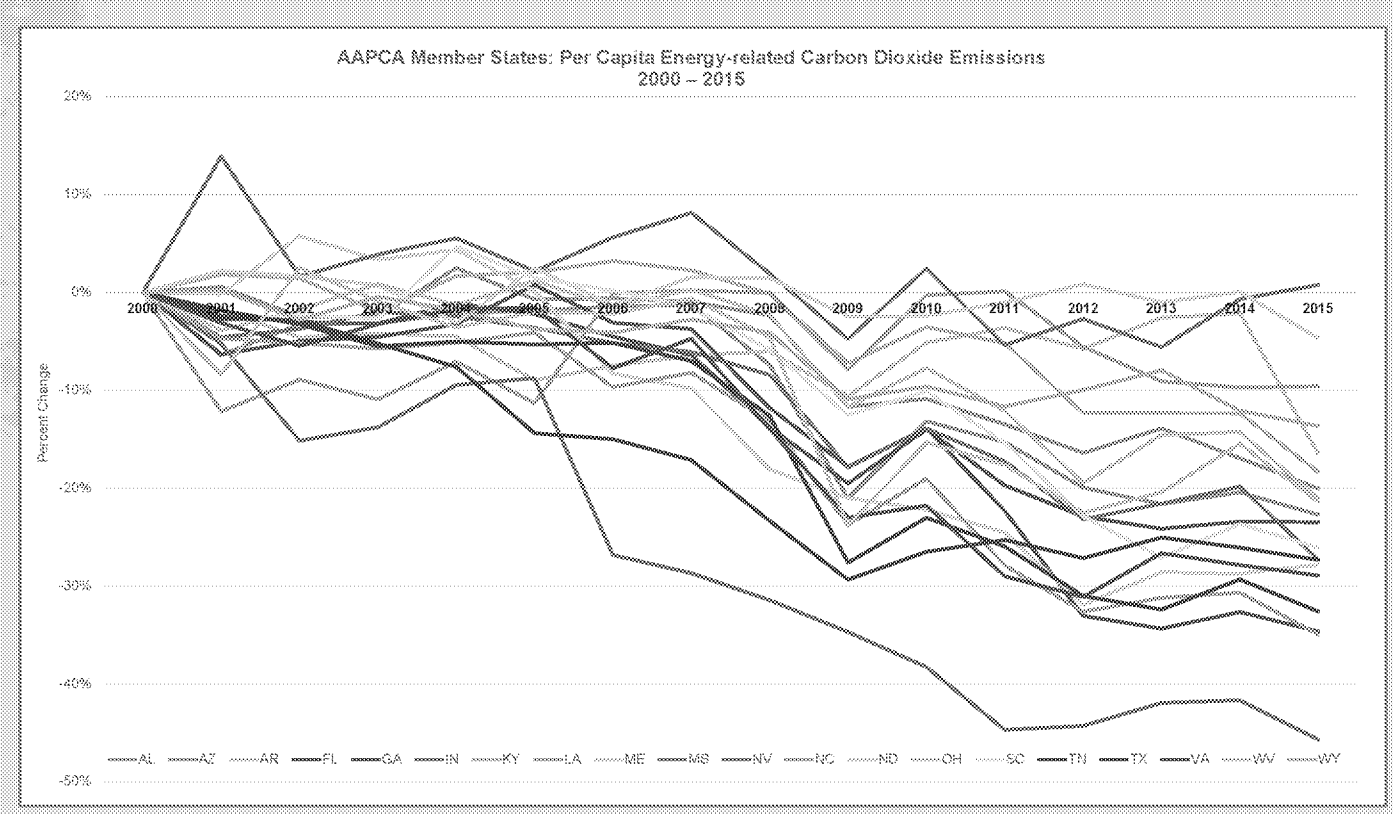


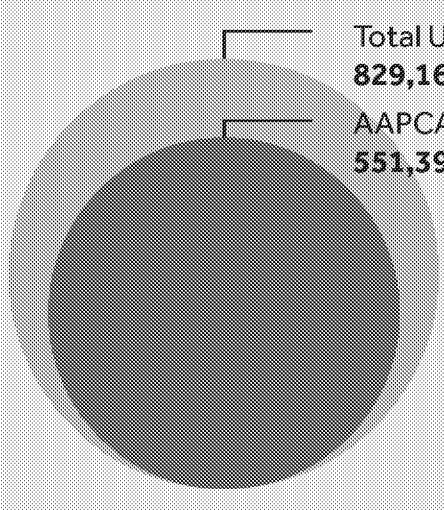
Source: U.S. EIA, ***Energy-Related Carbon Dioxide Emissions by State, 2000-2015***, January 22, 2018. Table 5. Per capita energy-related carbon dioxide emissions by State (2000 – 2015).

TOXIC AIR RELEASES

U.S. EPA's *2016 Toxic Release Inventory National Analysis* revealed a 58-percent decrease in reported toxic air releases compared to the 2006 level, from 1,418,995,095 pounds in 2006 to 589,829,391 pounds in 2016. Of the more than 829-million-pound reduction that was documented, AAPCA Member States accounted for more than 551-million pounds, or just over 66.5 percent of the national total.[20]

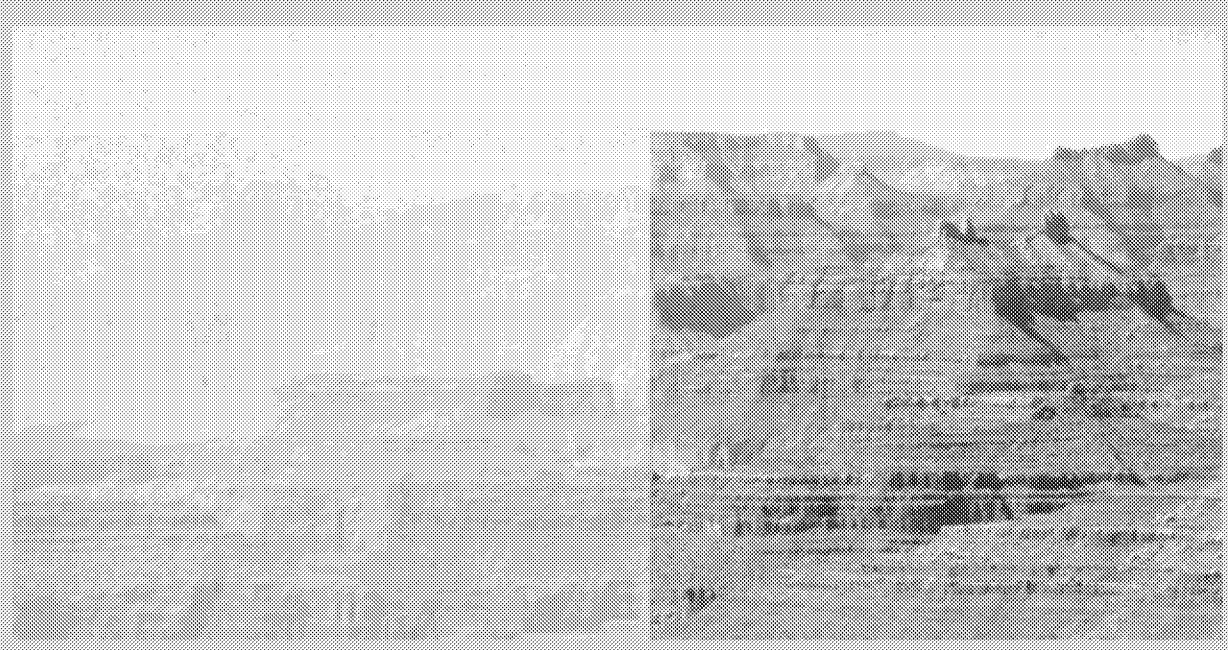
AAPCA Member States: Share of Total Reduction of Toxic Air Releases Reported to the Toxic Release Inventory 2006 — 2016

Source: U.S. EPA, "**Where You Live in the *2016 TRI National Analysis*,**" February 2018.



Visibility Progress: Then and Now in the Grand Canyon National Park

Through the U.S. EPA's Regional Haze Program, visibility is tracked in 156 national parks and wilderness areas. According to U.S. EPA's report *Protecting Our Nation's Treasured Vistas*, Grand Canyon National Park's "average visual range has improved from 110 miles in 2000 to 140 miles in 2015." The image shown on the left shows a visibility range of about 25 miles, while the image on the right shows a range of approximately 240 miles, according to a status report from U.S. EPA.



Source: U.S. EPA, ***Protecting Our Nation's Treasured Vistas***, 2015.

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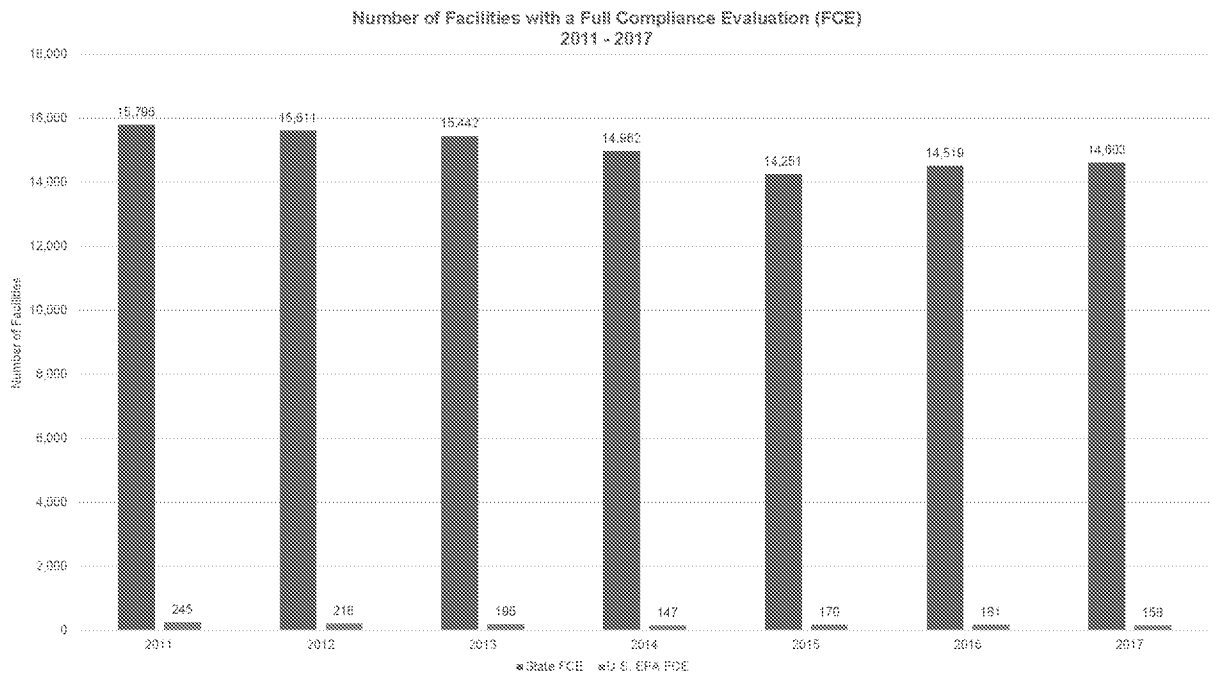
COMPLIANCE AND ENFORCEMENT ACTIVITY

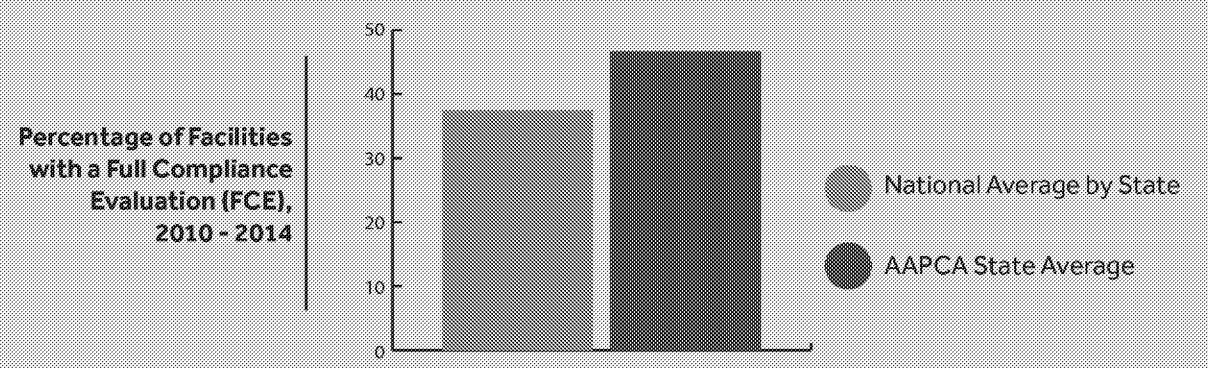
According to U.S. EPA's Enforcement and Compliance History Online (ECHO), states were the leaders in full compliance evaluations related to the Clean Air Act, conducting full compliance evaluations for more than 14,000 facilities in 2017 — more than 80 times as many that were conducted by EPA.[21]



Source: U.S. EPA's **National Air Activity Dashboard.**

Full Compliance Evaluations by AAPCA Member States

AAPCA's 2017 edition of *The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control* detailed that AAPCA Member States performed full compliance evaluations at nearly 47 percent of facilities annually from 2010 to 2014, whereas the national average for states was approximately 37.5 percent of facilities.



Source: AAPCA, ***The Greatest Story Seldom Told: Profiles and Success Stories in Air Pollution Control***, April 2017. Data from U.S. EPA's **Analyze Trends: State Air Dashboard**, part of **ECHO**. EPA note: "Due to the transition between [Clean Air Act] national data management systems, the Performance View of the Air Dashboard has not been updated since January 31, 2015."

Section Notes

[1] U.S. EPA, **Air Pollutant Emissions Trends**. Data file: "State Average Annual Emissions Trend."
[2] U.S. Bureau of Economic Analysis, data available **here**.
[3] U.S. Office of Highway Policy Information, data available **here**.
[4] U.S. Census Bureau, data available **here**.
[5] U.S. Census Bureau, data available **here**.
[6] U.S. EIA, **State Energy Data System (SEDS): 1960-2015**.
[7] Section 175A(a) of the Clean Air Act states that "redesignation of a nonattainment area for any air pollutant as an area which has attained the national primary ambient air quality standard for that air pollutant shall also submit a revision of the applicable State implementation plan to provide for the maintenance of the national primary ambient air quality standard for such air pollutant in the area concerned for at least 10 years after the redesignation. The plan shall contain such additional measures, if any, as may be necessary to ensure such maintenance."
[8] U.S. EPA's ***Green Book*** contains a history of areas designated nonattainment or maintenance under the NAAQS. EPA's listing of areas designated nonattainment or maintenance for the 2008 ozone NAAQS can be found at: **https://www3.epa.gov/airquality/greenbook/hbtc.html**. In 2015, the NAAQS for ozone was **lowered** to 70 parts per billion (ppb). EPA measures ozone by calculating the three-year average of the annual 4th highest daily maximum 8-hour ozone concentration.
[9] **https://www.epa.gov/air-trends/air-quality-design-values#report**. Data file: "Ozone Design Values, 2016." Data for this chart is based on overlapping three-year averages beginning with 2005 – 2007 and ending with 2014 – 2016.
[10] U.S. Census Bureau, data available **here**.
[11] According to U.S. EPA: "Tropospheric, or ground level ozone, is not emitted directly into the air, but is created by chemical reactions between oxides of nitrogen (NO_x) and volatile organic compounds (VOC). This happens when pollutants emitted by cars, power plants, industrial boilers, refineries, chemical plants, and other sources chemically react in the presence of sunlight."
[12] U.S. EPA, **Air Pollutant Emissions Trends**. Data file: "State Average Annual Emissions Trend."
[13] U.S. EPA's listing of areas designated nonattainment or maintenance for the 1997 annual $PM_{2.5}$ NAAQS can be found at: **https://www3.epa.gov/airquality/greenbook/qbtc.html**. In 2012, the NAAQS for $PM_{2.5}$ was lowered to 12 µg/m3, based on an annual arithmetic mean averaged over three years (the 2006 review maintained the 1997 standard).
[14] **https://www.epa.gov/air-trends/air-quality-design-values#report**. Data file: "$PM_{2.5}$ Design Values, 2015." Data for this chart is based on overlapping three-year averages beginning with 2005 – 2007 and ending with 2014 – 2016.
[15] U.S. EIA, **State Energy Data System (SEDS): 1960-2015**. Data file: "Production in physical units," 1960 – 2015.
[16] U.S. EPA, **Air Pollutant Emissions Trends**. Data file: "State Average Annual Emissions Trend."
[17] U.S. EPA, "**Annual NO_x Emissions from CSAPR and ARP Sources, 1990 – 2016**," May 2018.
[18] U.S. EPA, "**State-by-State SO_2 Emissions from CAIR and ARP Sources, 1990-2016**," May 2018.
[19] U.S. EIA, ***Energy-Related Carbon Dioxide Emissions by State, 2000-2015***, January 22, 2018.
[20] U.S. EPA, ***Toxics Release Inventory 2016 National Analysis***, January 2018.
[21] Data from U.S. EPA's **National Air Activity Dashboard**, part of **ECHO**.

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AIR QUALITY TRENDS

U.S. EPA's interactive 2017 air quality report, entitled *Our Nation's Air: Status and Trends Through 2016*, compares the national trend lines of several economic and social indicators to the trends of the six criteria air pollutants. Since 1970, US EPA's report highlights that U.S. Gross Domestic Product has increased by 253 percent, population has grown 58 percent, vehicle miles traveled are up 190 percent, and energy consumption has risen 44 percent. Conversely over that period, the U.S. experienced steep reductions in the emissions (73 percent combined) and ambient concentrations of criteria air pollutants.[1]

Concentrations of Criteria Pollutants

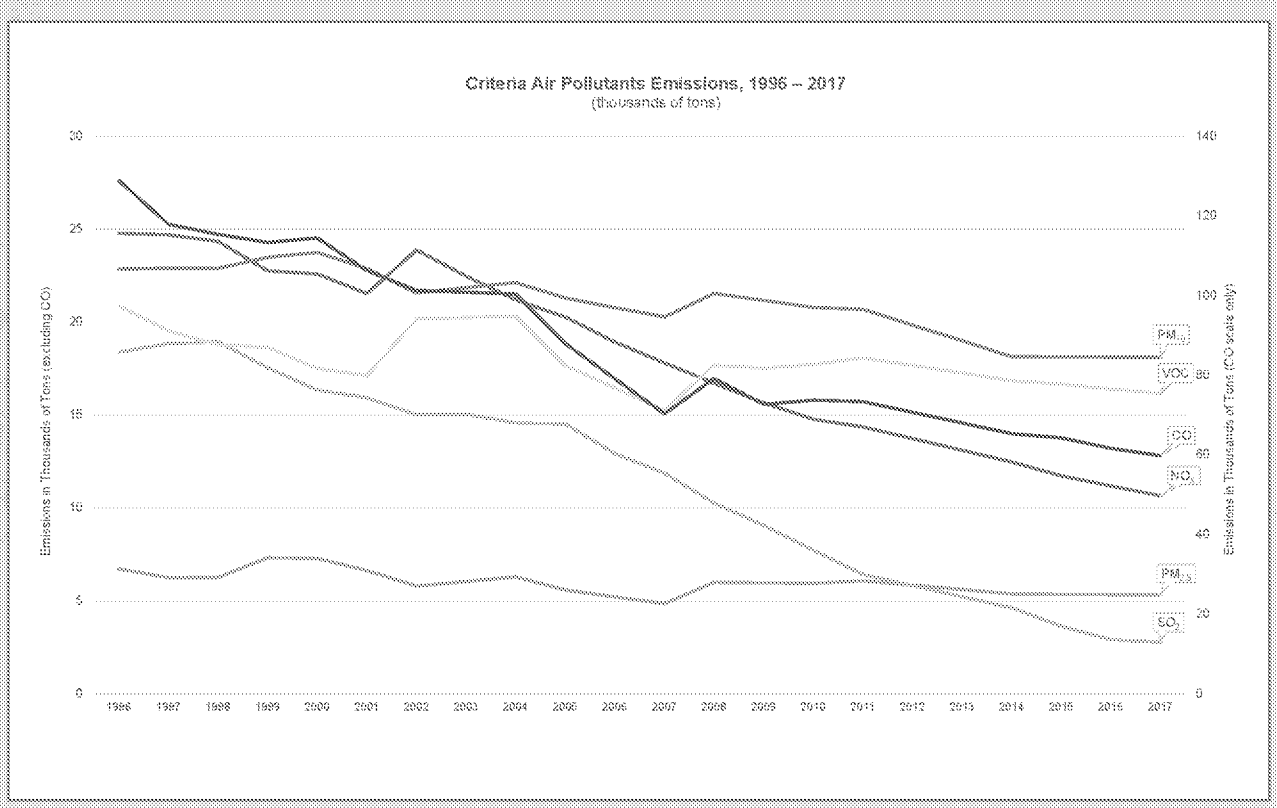
Nationally, concentrations for the six criteria air pollutants have plunged over the last several decades. U.S. EPA's website on air trends charts the changes in ambient air since 1980, 1990, and 2000.[2]

	1980 vs 2016	1990 vs 2016	2000 vs 2016
Carbon Monoxide	-85%	-77%	-61%
Lead	-99%	-99%	-93%
Nitrogen Dioxide (annual)	-62%	-56%	-47%
Nitrogen Dioxide (1-hour)	-61%	-50%	-33%
Ozone (8-hour)	-31%	-22%	-17%
PM_{10} (24-hour)	---	-39%	-40%
$PM_{2.5}$ (annual)	---	---	-42%
$PM_{2.5}$ (24-hour)	---	---	-44%
Sulfur Dioxide (1-hour)	-87%	-85%	-72%

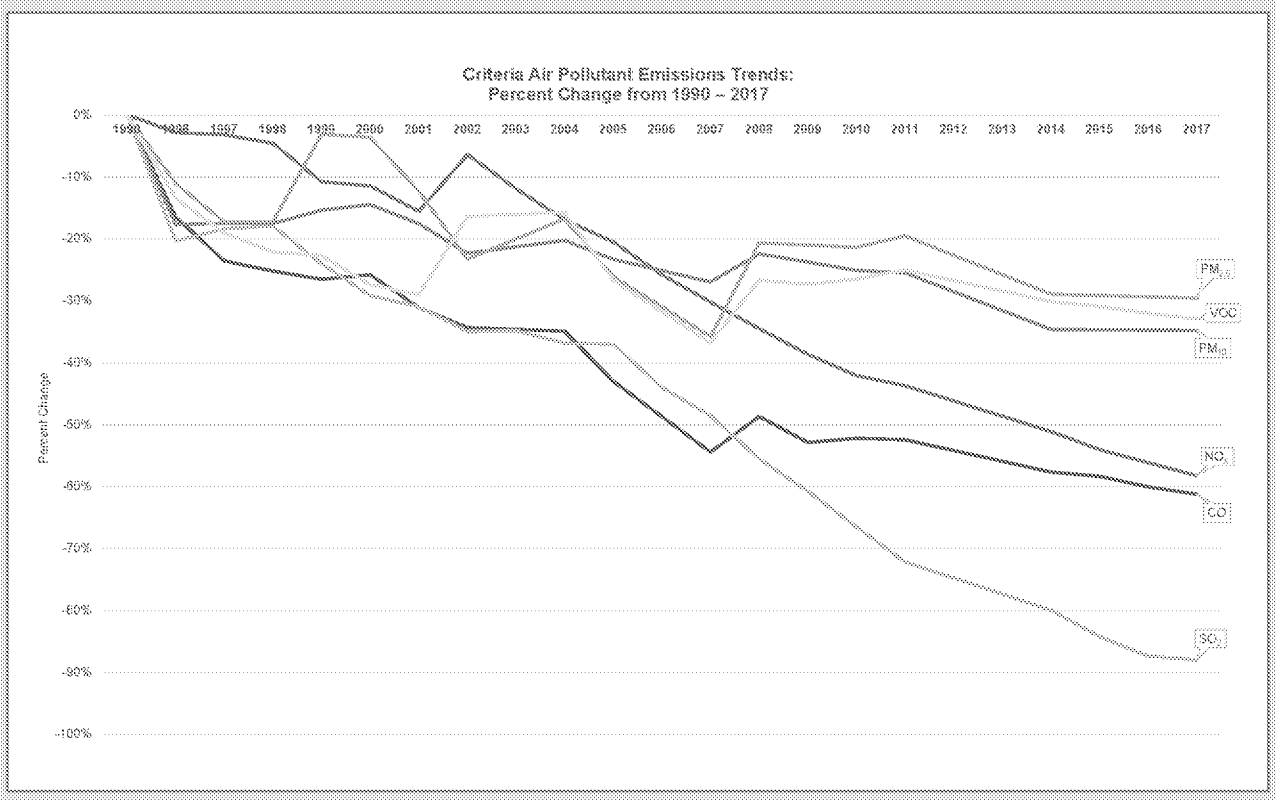
Criteria Pollutant Emissions Trends

Utilizing the National Emissions Inventory (NEI), U.S. EPA publishes Air Pollutant Emissions Trends Data that provide annual estimates of criteria pollutant emissions and precursors, distinguished by major sources.[3] Nationally, criteria pollutant emissions and precursors have substantially decreased when comparing 1990 levels to 2017 levels, with emissions of all criteria pollutants or precursors down at least 29 percent since 1990.

	1990 Emissions (in thousands of tons)	2017 Emissions (in thousands of tons)	Percent Reduction
Carbon Monoxide	154,188	60,109	-61%
Oxides of Nitrogen	25,527	10,776	-58%
Fine Particulate Matter	7,560	5,345	-29%
Sulfur Dioxide	23,077	2,815	-88%
Volatile Organic Compounds	24,108	16,232	-33%



Source: U.S. EPA, **Air Pollutant Emissions Trends**. Data file: "Average Annual Emissions, Criteria pollutants National Tier 1 for 1970 - 2017."

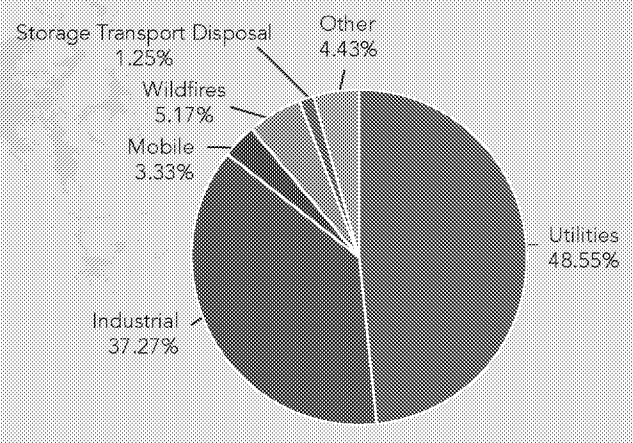


Source: U.S. EPA, **Air Pollutant Emissions Trends**. Data file: "Average Annual Emissions, Criteria pollutants National Tier 1 for 1970 - 2017."

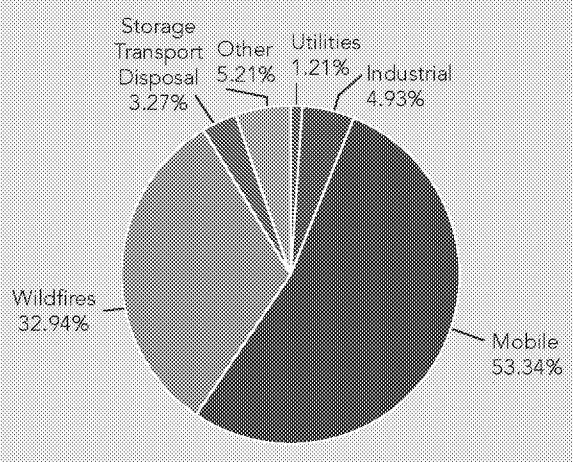
Sources of Criteria Pollutant Emissions

U.S. EPA tracks emissions from the following source categories: utilities; industrial; mobile; wildfires; storage, transport, and disposal; and other sources. Included below are the sources of criteria pollutant and precursor emissions for the year 2017.[4]

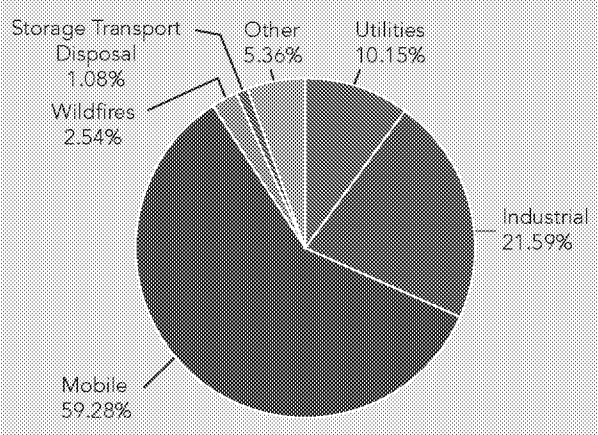
Sulfur Dioxide



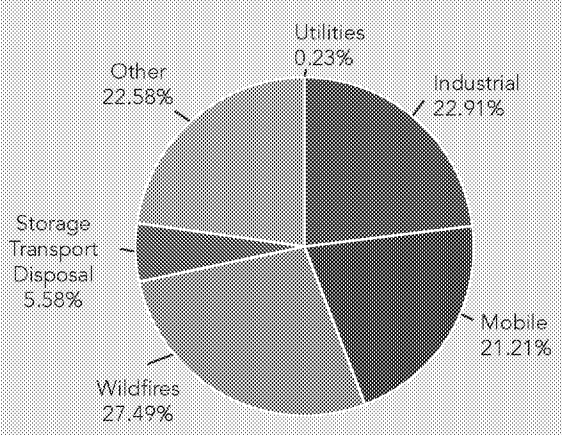
Carbon Monoxide



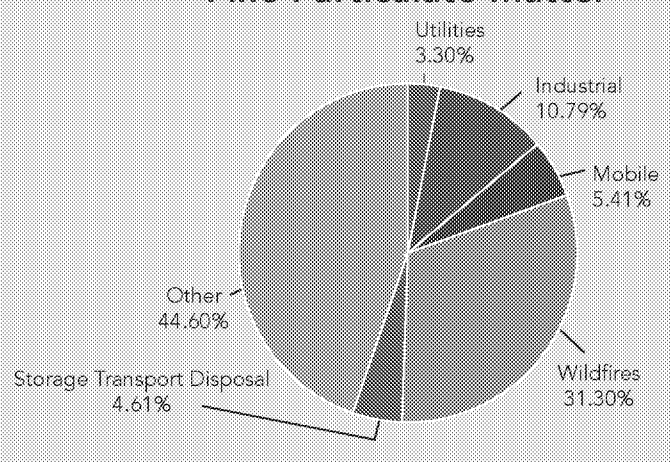
Nitrogen Oxide



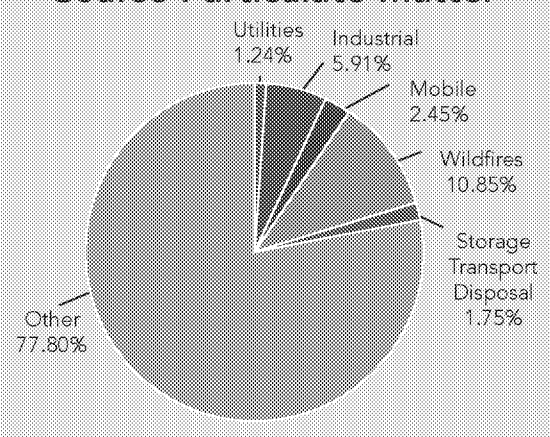
Volatile Organic Compounds



Fine Particulate Matter



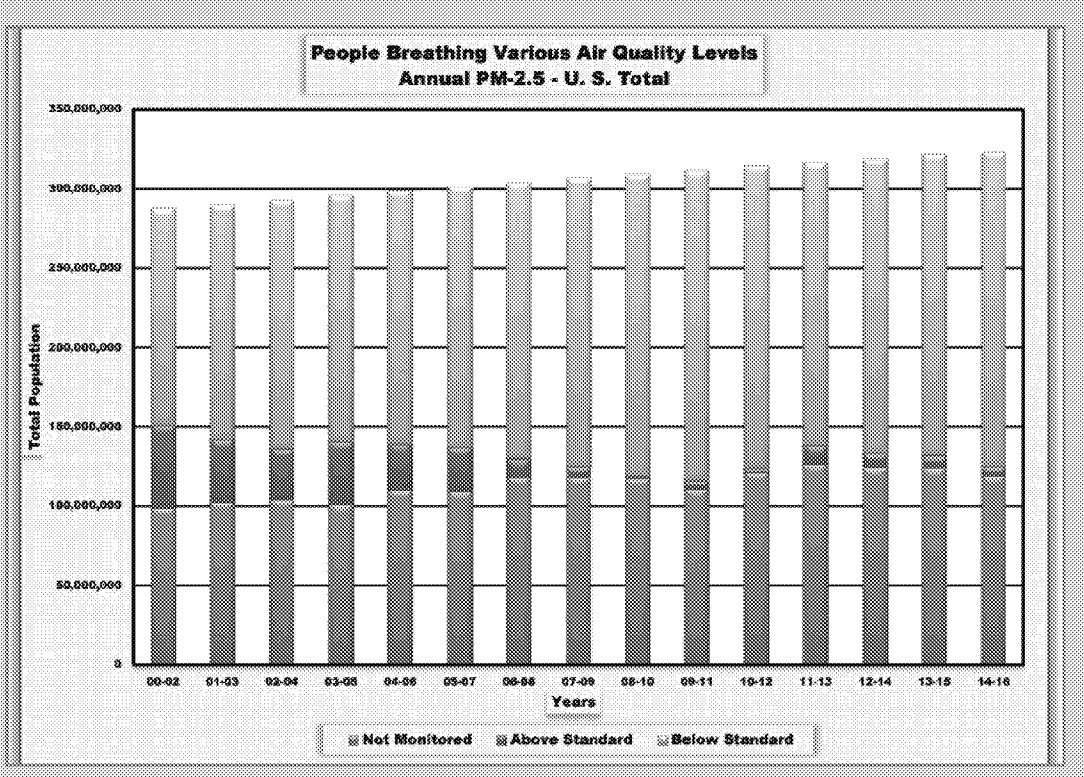
Coarse Particulate Matter



Source: U.S. EPA, **Air Pollutant Emissions Trends.** Data file: "Average Annual Emissions, Criteria pollutants National Tier 1 for 1970 – 2017."

The States' View of the Air

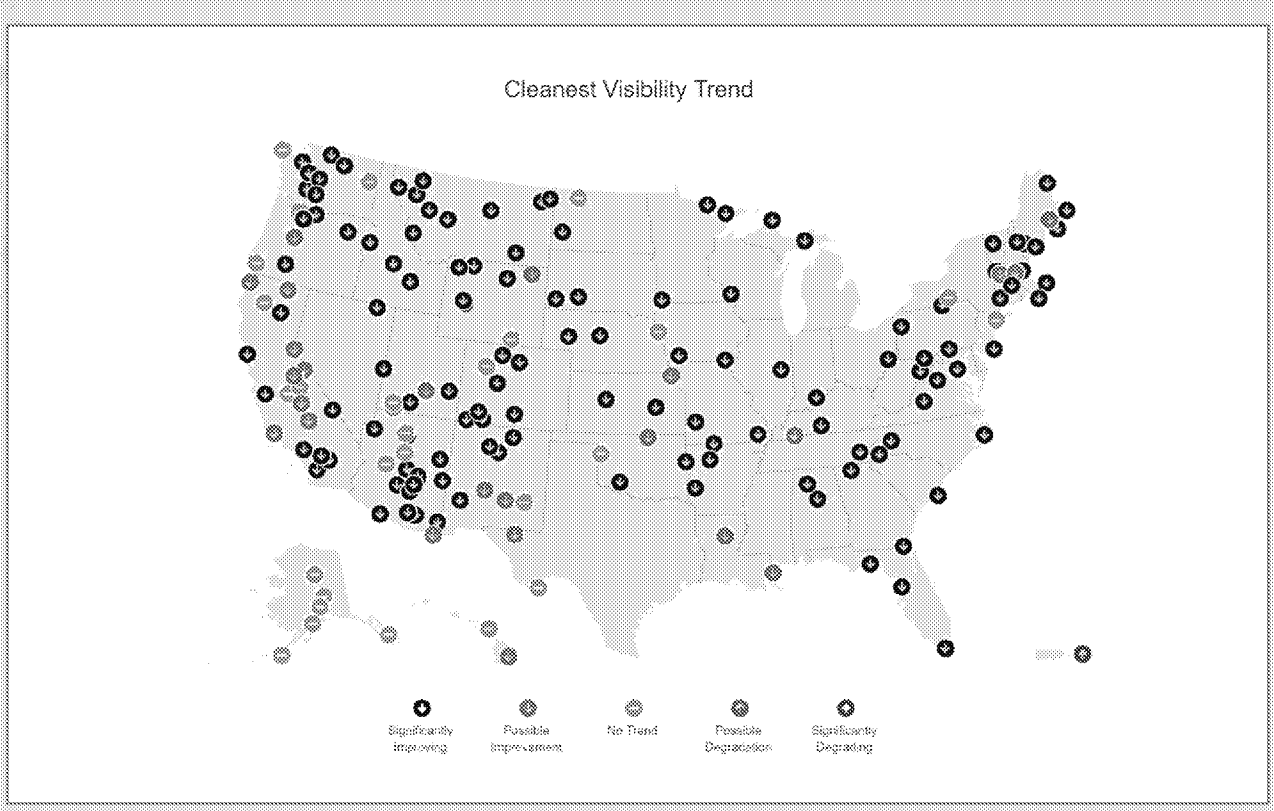
In April 2018, the Indiana Department of Environmental Management (IDEM) released the 2018 edition of *The States' View of the Air* report. The report highlights the air quality in counties and cities in the United States. Like a report card, IDEM has graded areas on the state of their air quality under the federal standards for ozone and fine particles. This report shows the percentage of the population breathing fine particulate matter and ozone at levels above or below the standard as well as areas that are not monitored.



Source: Assistant Commissioner Keith Baugues, IDEM, ***The States' View of the Air***, April 2018.

VISIBILITY PROGRESS

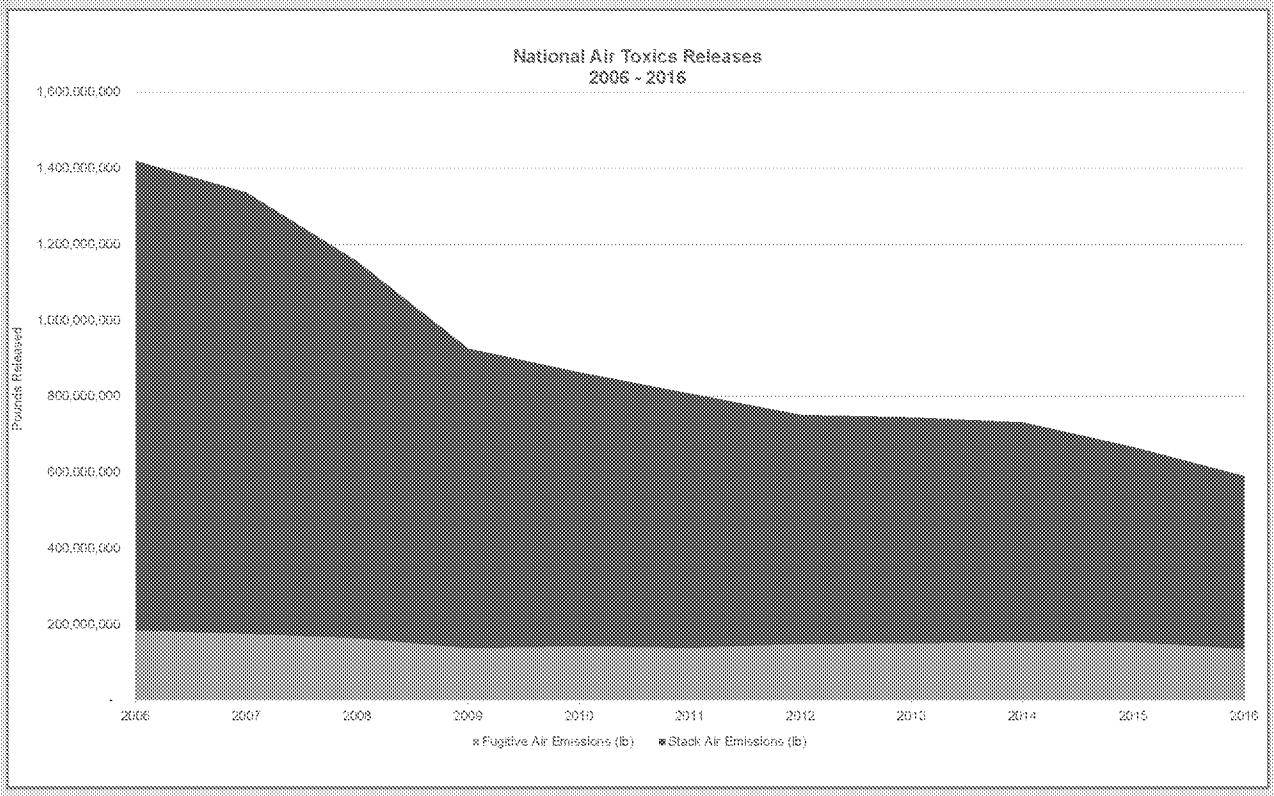
U.S. EPA's 2017 Air Trends Report also includes visibility trends in national parks and wilderness areas (Class I Areas) from 2000 to 2015.[5] Progress is evaluated based on the 20 percent clearest and 20 percent most impaired days. The map below displays visibility trends on the 20 percent cleanest days for several areas, with the majority of locations shown indicating a "Significantly Improving" trend.[6]



Source: U.S. EPA, ***Our Nation's Air: Status and Trends Through 2016***, November 2017. (Section: Visibility Improves in Scenic Areas).

HAZARDOUS AIR POLLUTANT TRENDS

U.S. EPA tracks 187 hazardous air pollutants, or air toxics. The *2016 Toxic Release Inventory National Analysis* documents a 58-percent reduction in air release over the past ten years, from 1,418,995,095 pounds in 2006 to 589,829,391 pounds in 2016.[7] The Toxic Release Inventory tracks by point source and fugitive air emissions,[8] which are reported by industry to EPA as required by the Emergency Planning and Community Right-to-Know Act (EPCRA). Over 18,000 facilities reported to the Toxic Release Inventory in 2016.[9]



Source: U.S. EPA, ***2016 Toxic Release Inventory National Analysis***, January 2018.

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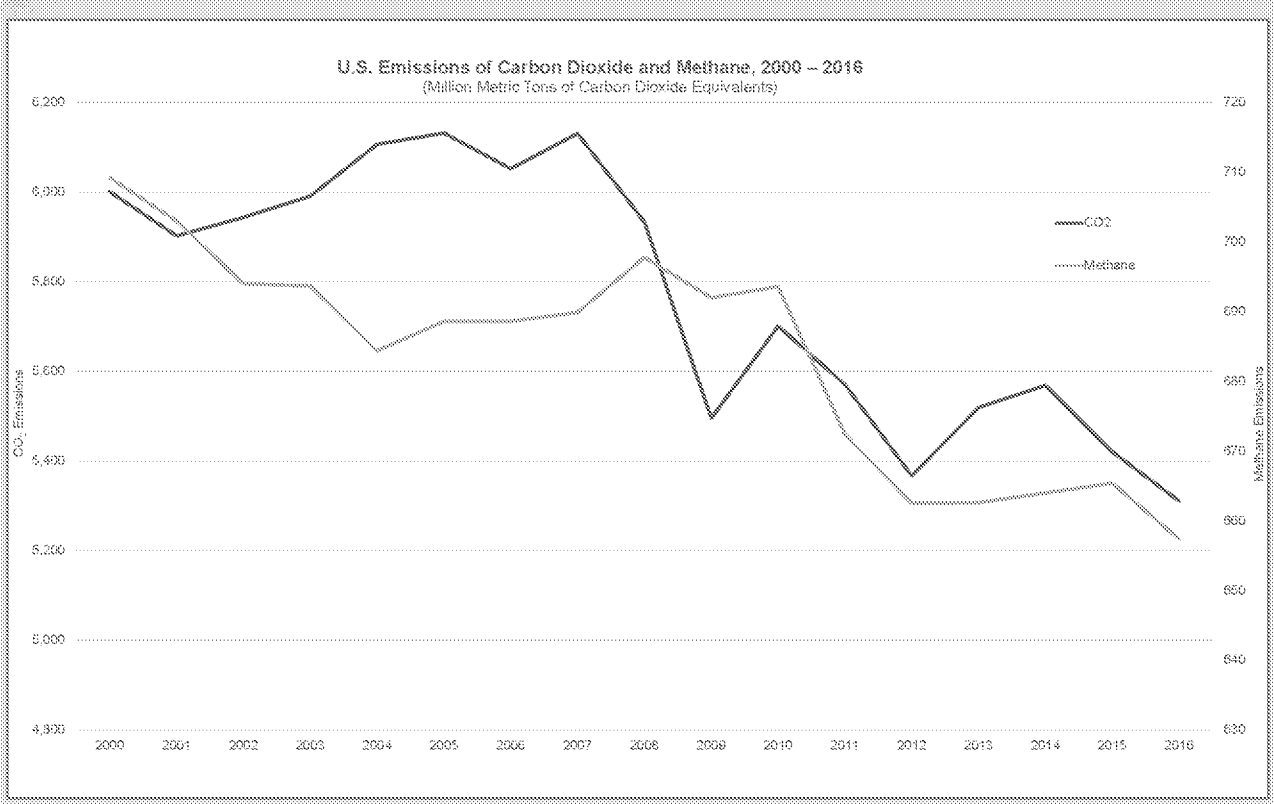
GREENHOUSE GAS TRENDS
Carbon Dioxide and Methane

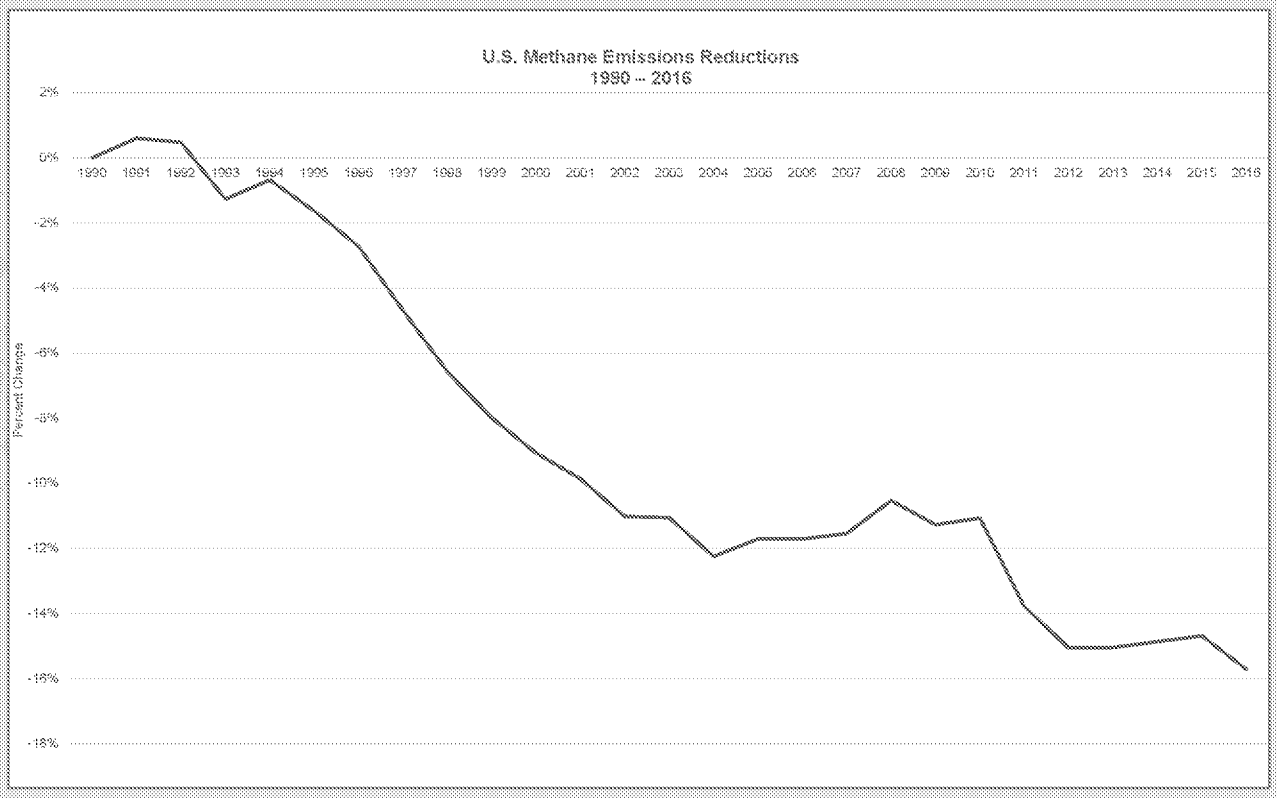
According to U.S. EPA's most recent *Inventory of U.S. Greenhouse Gas Emissions and Sinks*, which is "an annual comprehensive accounting of total greenhouse gas emissions for all man-made sources in the United States,"[10] U.S. greenhouse gas emissions totaled 6,511 million metric tons of carbon dioxide equivalents (mmt CO_2 eq.) in 2016, down about 9.8 percent from 2000 levels.[11]

Emissions of carbon dioxide (CO_2) and methane have decreased since 2000. The graph below displays the trend lines for both CO_2 and methane, with the blue line plotting CO_2 emissions along the left axis and the gray line tracking methane emissions along the right axis. Comparing 2000 to 2016, CO_2 emission have been reduced by 689.7 mmt CO_2 eq. (11 percent) and methane emissions have fallen 51.8 mmt CO_2 eq. (7 percent).[12]



Source: U.S. EPA, ***Inventory of U.S. Greenhouse Gas Emissions and Sinks***, April 2018.

From 1990 to 2016 U.S. methane emissions fell a total of 15.7 percent, from 780 mmt CO_2 eq. to 657 mmt CO_2 eq.[13]



Source: U.S. EPA, ***Inventory of U.S. Greenhouse Gas Emissions and Sinks***, April 2018.

Headlines from the U.S. Energy Information Administration

- **Electric power sector consumption of fossil fuels at lowest level since 1994,** May 29, 2018
- **Electrified vehicles continue to see slow growth and less use than conventional vehicles,** May 22, 2018
- **United States remains the world's top producer of petroleum and natural gas hydrocarbons,** May 21, 2018
- **Changing energy efficiency and fuel economy standards affects energy consumption,** May 17, 2018
- **Solar surpasses biomass to become third-most prevalent renewable electricity source,** May 9, 2018
- **Natural gas and renewables make up most of 2018 electric capacity additions,** May 7, 2018
- **Electricity demand by U.S. manufacturing has declined in recent years,** March 23, 2018
- **Natural gas expected to remain most-consumed fuel in the U.S. industrial sector,** March 1, 2018
- **U.S. energy-related CO_2 emissions expected to rise slightly in 2018, remain flat in 2019,** February 8, 2018
- **Energy-related carbon dioxide emissions decreased in most states from 2005 to 2015,** December 11, 2017
- **Growth in global energy-related carbon dioxide emissions expected to slow,** November 16, 2017
- **CO_2 emissions from coal fell by record amount in 2015, led by Texas and Midwest,** November 13, 2017
- **Intensity of U.S. energy use in manufacturing decreases as output outpaces fuel use,** October 19, 2017

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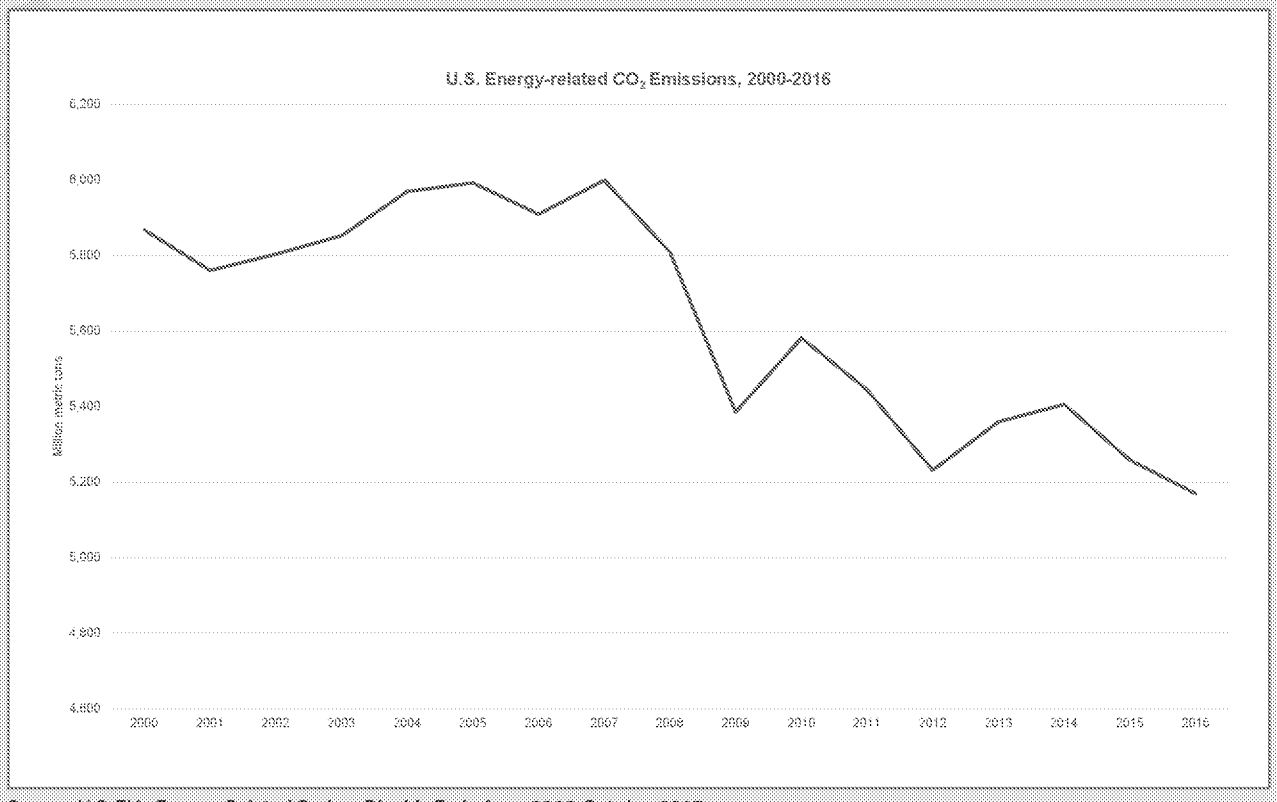
Energy Sector Emissions

According to the U.S. Energy Information Administration's (EIA) October 2017 report *U.S. Energy-Related Carbon Dioxide Emissions, 2016*, energy-related carbon dioxide emissions in 2016 were 12 percent lower than 2000 levels, falling from 5,868 million metric tons in 2000 to 5,170 million metric tons in 2016 – a reduction of 698 million metric tons.[14] Additionally, U.S. EIA's January 2018 analysis *Energy-Related Carbon Dioxide Emissions by State, 2000-2015* reports the following statistics:[15]

- An average state reduction of 21.1 percent in per capita energy-related carbon dioxide emissions;
- Energy intensity by state is down an average of 21.9 percent; and,
- On average, carbon intensity of the economy by state has been reduced by 31.3 percent.



Source: U.S. EIA, ***Energy-Related Carbon Dioxide Emissions, 2016***, October 2017

Section Notes

[1] U.S. EPA, ***Our Nation's Air: Status and Trends Through 2016***, November 2017.
[2] U.S. EPA, **Air Quality - National Summary.** Last updated July 2017.
[3] U.S. EPA, **Air Pollutant Emissions Trends**. Data file: "Average Annual Emissions, Criteria pollutants National Tier 1 for 1970 - 2017."
[4] U.S. EPA, **Air Pollutant Emissions Trends.** Data file: "Average Annual Emissions, Criteria pollutants National Tier 1 for 1970 - 2017."
[5] A full list of Class I Areas, including the Federal Land Manager, can be found at **https://www.epa.gov/visibility/list-156-mandatoryclass-i-federal-areas.** In addition to EPA, other Federal agencies responsible for addressing visibility are the National Park Service, the U.S. Forest Service, and the U.S. Fish and Wildlife Service.
[6] U.S. EPA, ***Our Nation's Air: Status and Trends Through 2016***, November 2017. Section: "Visibility Improves in Scenic Areas."
[7] U.S. EPA, ***2016 Toxic Release Inventory National Analysis***, January 2018.
[8] "Fugitive air emissions are all releases to air that don't occur through a confined air stream, such as equipment leaks, releases from building ventilation systems and evaporative losses from surface impoundments and spills. Point source air emissions, also called stack emissions, are releases to air that occur through confined air streams, such as stacks, ducts or pipes." **https://goo.gl/W12ZYD**.
[9] More information about EPCRA can be found at: **https://www.epa.gov/epcra.** EPA also notes that the Pollution Prevention Act "requires facilities to submit information on pollution prevention and other waste management activities of Toxic Release Inventory chemicals."
[10] U.S. EPA, **Greenhouse Gas Emissions.** U.S. EPA also states that the Agency "also collects greenhouse gas emissions data from individual facilities and suppliers of certain fossil fuels and industrial gases through the Greenhouse Gas Reporting Program."
[11] U.S. EPA, ***Inventory of U.S. Greenhouse Gas Emissions and Sinks***, April 2018.
[12] U.S. EIA, ***Energy-Related Carbon Dioxide Emissions by State, 2000-2015***, January 22, 2018.
[13] U.S. EPA, ***Inventory of U.S. Greenhouse Gas Emissions and Sinks***, April 2018.
[14] U.S. EIA, ***U.S. Energy-Related Carbon Dioxide Emissions, 2016***, October 2017.
[15] U.S. EIA, ***Energy-Related Carbon Dioxide Emissions by State, 2000-2015***, January 2018

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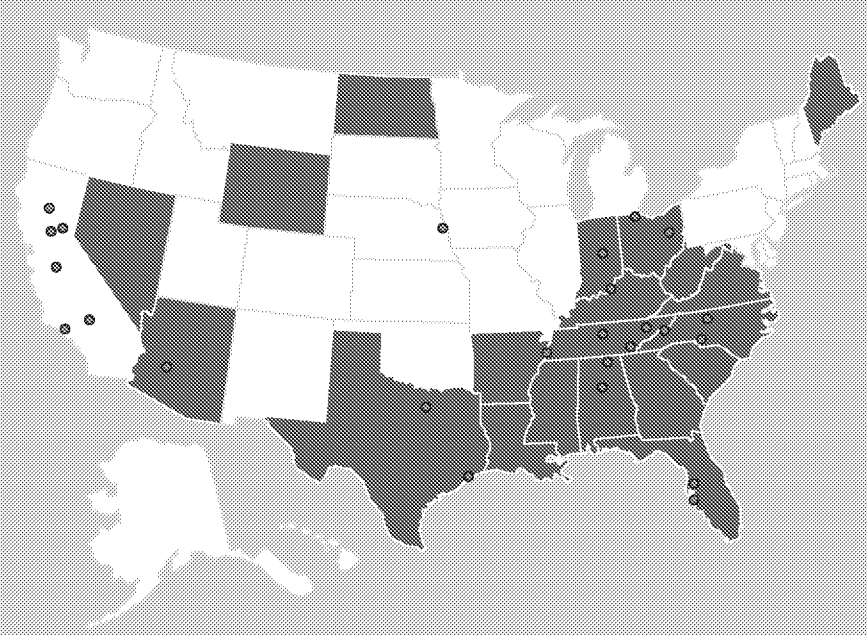
AAPCA

Other Air Quality Resources



If you are interested in finding out more about air quality in your area, state and local air agencies are an outstanding resource. Below are links to AAPCA Member Agencies:

Alabama Department of Environmental Management
Arizona Department of Environmental Quality
Arkansas Department of Environmental Quality
Florida Department of Environmental Protection
Georgia Environmental Protection Division
Indiana Department of Environmental Management
Kentucky Department for Environmental Protection
Louisiana Department of Environmental Quality
Maine Department of Environmental Protection
Mississippi Department of Environmental Quality
Nevada Division of Environmental Protection
North Carolina Department of Environmental Quality
North Dakota Department of Health
Ohio Environmental Protection Agency
South Carolina Department of Health and Environmental Control
Tennessee Department of Environment & Conservation
Texas Commission on Environmental Quality
Virginia Department of Environmental Quality
West Virginia Department of Environmental Protection
Wyoming Department of Environmental Quality
Butte County Air Quality Management District (California)
Canton City Health Department (Ohio)
Chattanooga-Hamilton County Air Pollution Control Bureau (Tennessee)
El Dorado County Air Quality Management District (California)
Forsyth County Office of Environmental Assistance and Protection (North Carolina)
Fort Worth Environmental Management Department (Texas)
Environmental Protection Commission of Hillsborough County (Florida)
Galveston County Health District (Texas)
Huntsville Division of Natural Resources and Environmental Management (Alabama)
City of Indianapolis (Indiana)
Jefferson County Department of Health (Alabama)
Knox County (Tennessee)
Louisville Metro Air Pollution Control District (Kentucky)
Manatee County Environmental Management Department (Florida)
Maricopa Air Quality Department (Arizona)
Mecklenburg County (North Carolina)
Mojave Desert Air Quality Management District (California)
Nashville/Davidson Metro Public Health Department (Tennessee)
Omaha Air Quality Control (Nebraska)
San Joaquin Valley Air Pollution Control District (California)
Shelby County Health Department (Tennessee)
Toledo Division of Environmental Services (Ohio)
Ventura County Air Pollution Control District (California)
Western North Carolina Regional Air Quality Agency (North Carolina)
Yolo-Solano Air Quality Management District (California)

Additional Air Quality Resources
Indiana Department of Environmental Management's ***The States' View of the Air***
U.S. EPA's **Air Quality Trends** website
U.S. EPA's Nonattainment Areas for Criteria Pollutants (***Green Book***)
U.S. EPA's **Report on the Environment (ROE)** website
U.S. EPA's **Air Quality Index (AQI)**

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Message

From: Shepherd, Ray [rayshepherd@peabodyenergy.com]
Sent: 6/21/2018 2:41:09 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
Subject: Re: Coal lunch

Understood. Thanks for considering.

Sent from my iPhone

> On Jun 19, 2018, at 6:18 PM, Wheeler, Andrew <wheeler.andrew@epa.gov> wrote:
>
> Ray, I'm going to have to pass on a coal lunch this summer. I'm concerned about the optics. Maybe this fall or winter.
>
> Sent from my iPhone

Message

From: Davis, Lisl Ruth [Lisl.Davis@duke-energy.com]
Sent: 6/1/2018 2:11:57 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]
CC: Renjel, Louis E. [Louis.Renjel@duke-energy.com]; Burton, Tamika [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=207e0f24fd934d6d8a3e4c400a311638-Burton, Tam]; Sewell, Michael [Michael.Sewell@duke-energy.com]
Subject: Re: Meeting Request

Hi Tamika,

Lynn's availability is currently 10:30-3 p.m. on the 21st. Please let me know if Andy might have any availability in that time frame. Appreciate your help in setting this up!

Lisl

> On May 30, 2018, at 6:03 PM, Wheeler, Andrew <wheeler.andrew@epa.gov> wrote:
>
>
>
> *** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***
>
> Tamika, please set this up, thanks.
>
> Sent from my iPhone
>
>> On May 30, 2018, at 5:48 PM, Renjel, Louis E. <Louis.Renjel@duke-energy.com> wrote:
>>
>> Andy,
>>
>> Hope you are doing well. Lynn Good, Duke Energy's CEO, will be in town on June 21st from 10AM - 4PM and, if you are available, would like to meet with you. Please let me know if you need any additional information.
>>
>> Thanks in advance for your consideration,
>>
>> Louis Renjel
>>
>> Sent from my iPhone

Appointment

From: Wheeler, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=17A1669EF5B54FBA8CB457845308787E-WHEELER, AN]
Sent: 4/20/2018 6:48:55 PM
To: Wheeler, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=17a1669ef5b54fba8cb457845308787e-Wheeler, An]; lwyak[Personal Privacy / Ex. 6] msquared615@[Personal Privacy / Ex. 6]; mcwhorter@smithpachter.com; lauren.tabbara@[Personal Privacy / Ex. 6]; jcoghlan@[Personal Privacy / Ex. 6]; jak1201@[Personal Privacy / Ex. 6]; Dave.Zook@faegrebd.com; Mary.Bono@faegrebd.com; Josh.Andrews@faegrebd.com; Darrin.Munoz@faegrebd.com; Brandon.Kirkham@faegrebd.com; Ted.Bristol@faegrebd.com; Frank.Swain@faegrebd.com; Debra.Lappin@faegrebd.com; David.Gogol@faegrebd.com; Skip.Stitt@faegrebd.com; Michael.Adelberg@faegrebd.com; Libby.Baney@faegrebd.com; Kevin.Brennan@faegrebd.com; Hope.Costa@faegrebd.com; Beena.Patel@faegrebd.com; Nicholas.Manetto@faegrebd.com; saaron@mercuryllc.com; alexrenjel[Personal Privacy / Ex. 6]; Angie.Giancarlo@mail.house.gov; Annie_Caputo@epw.senate.gov; Michael.J.Catanzaro[Personal Privacy / Ex. 6]; brian.c.mormino@Cummins.com; chadbradley@[Personal Privacy / Ex. 6]; Dan.Barron@arlp.com; Elizabeth.Fox@mail.house.gov; frank.r.fannon@[Personal Privacy / Ex. 6]; suzannegillen@[Personal Privacy / Ex. 6]; martyhall1@[Personal Privacy / Ex. 6]; james@okeeffestrategies.com; keenglish78@[Personal Privacy / Ex. 6]; MaryAnne.Dunlap@sanofipasteur.com; mhite@GPAglobal.org; Ference@S-3Group.com; MNellenbach@bipartisanpolicy.org; Nathan.Richmond@oig.dot.gov; Neil.Naraine@ipaper.com; rebafree@[Personal Privacy / Ex. 6]; louis.renjel@duke-energy.com; sdhigley@marathonpetroleum.com; thassenboehler@[Personal Privacy / Ex. 6]h; genevievemaul[Personal Privacy / Ex. 6].com; dimitri.karakitsos@hklaw.com; blu.hulsey@clr.com; Anna.Burhop@bracewell.com; rick@cypressgroupdc.com; ltravers1011@[Personal Privacy / Ex. 6]; Hanley, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=58e0d3d52d424d45ae88e4386ae4f8dd-Hanley, Mary]; Sherlock, Scott [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c7be251841f4c9491134ad943602c7d-SSherloc]; Orr.kimberlie@Epa.gov; McLean, Sarsah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c85aef9d5ddd4d7f93ac7fe05c4d2ea4-SMclea02]; Huddleston, Don [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7c62f2fb376f43d8987e91e5b8b85dbd-DHUDDLES]; Anapolle, Kent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0794f46bfd2e4d69abf0efb1c8a88651-KAnapoll]; Cheatham, Tony [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a8dc7de8836547fc9a810b1004c7c6a1-Cheatham, Tony]; Funke.odelia@Epa.gov; Roepe, Wayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9ad5836336a0477095244bb41dfd007b-WROEPE]; Godwin, Dave [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9519a58ea7ed4782ba7e8b1f6472de1d-Godwin, Dave]; mary_frances_repko@epw.senate.gov; Mary.Martin@mail.house.gov; Rick.Kessler@mail.house.gov; Luke_Holland@inhofe.senate.gov; Wendi_Price@inhofe.senate.gov; richard_russell@epw.senate.gov; Brian_Clifford@epw.senate.gov; Justin_Memmott@epw.senate.gov; Ford, Hayley [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4748a9029cf74453a20ee8ac9527830c-Ford, Hayle]; Jenkins, Donna [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=76d48924578d469ea4bc96914ff53d9a-Djenki02]; Vance, Eric [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d7fc312a1267466188680444d66fe0e6-EVance]; adaccurzio@neuropace.com
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jdokeeffe[Personal Privacy / Ex. 6]; MaryAnne.Dunlap@sanofi.com; Michele Nellenbach [mnellenbach@bpcaction.org];
Andrews, Joshua L. [Joshua.Andrews@FaegreBD.com]; Matthew Hite [mhite@gpamidstream.org]

Subject: Reminder: Please RSVP - EPA Deputy Administrator's Ceremonial Swearing-In
Location: Green Room

Start: 5/4/2018 3:00:00 PM
End: 5/4/2018 4:30:00 PM
Show Time As: Busy

EPA Guests and Colleagues,

You are invited to join for Andrew Wheeler's ceremonial swearing-in as Deputy Administrator. The swearing-in will take place **Friday, May 4, 2018 at 11:00 am** in the Green Room. Some light refreshments will follow.

In order to ensure access to the Green Room and an accurate head count, please RSVP by replying to this invitation by COB, Monday, April, 30.

Guests – please arrive 20mins before the ceremony to: 1200 Pennsylvania Avenue Northwest Washington DC 20460 – You will enter the William Jefferson Clinton North(WJC) building. You will check in and go through the security screening, please present your ID to the security officer and they will notify your guide of your arrival and we will escort you to the ceremonial suite.

Message

Sent: 2/16/2018 5:02:38 PM
To: Carolyn Slaughter [cslaughter@publicpower.org]
Subject: RE: APPA Invitation to Speak about Cooperative Federalism Under the Clean Air Act

Carolyn,

Thanks again for th eoutreach

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Carolyn Slaughter [mailto:cslaughter@publicpower.org]
Sent: Thursday, February 8, 2018 1:27 PM
To: Woods, Clint <woods.clint@epa.gov>
Subject: APPA Invitation to Speak about Cooperative Federalism Under the Clean Air Act

Dear Clint,

This email is to follow up on my voice message. Please allow me to introduce myself, I am the Director of Environmental Policy for the American Public Power Association. The Association would like to invite you to participate in a panel discussion on Cooperative Federalism under the Clean Air Act, during our 2018 Legislative Rally. The speaking engagement will be held at the Washington, D.C. Mayflower hotel on **Monday, February 26, 2018 from 8:30 a.m.-12:00 p.m.** Association members attending the session represent local government, utility board members, and general managers in the public power communities they serve. Our members would like to learn more about the Administration's goal to rebalance coordination and corporation amongst its partners and how public power communities can support this effort.

The panel will include representatives from the Environmental Council of States, American Municipal Power and the Minnesota Municipal Utility Association. Each panelist is asked to provide a 25-30-minute power point presentation.

For your reference I have included a link to our brochure and more information is available at our website, www.publicpower.org.

I look forward to hearing from you regarding your availability and interest at your earliest convenience. Please don't hesitate to contact me should you have questions about this speaking opportunity.

Best regards,

Carolyn Slaughter
Director, Environmental Policy
American Public Power Association
(202) 467-2943
www.publicpower.org

Message

From: Carolyn Slaughter [cslaughter@publicpower.org]
Sent: 10/4/2018 8:00:11 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Thank you

Dear Clint,

Thank you for your presentation during APPA's Climate Changes and Generation Policy Taskforce. The members appreciated the opportunity to hear from you about the Air Offices priorities and accomplishments. We look forward to future engagement with the agency as you finalizes the Affordable Clean Energy rule and propose the utility boiler risk and technology and cost review. Please don't hesitate to reach out if we can be a resource or if you have questions about the impact of regulations on public power utilities.

Best regards and thank you again.

Sincerely
Carolyn

Carolyn Slaughter
Director, Environmental Policy
CSlaughter@PublicPower.org
Office: 202-467-2943
Mobile: 202-957-8997

If you are an Association Member, tell us how we are doing. Take our customer satisfaction survey!

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Message

From: Jason Sloan [jsloan@csg.org]
Sent: 3/9/2018 5:53:16 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: spencer@adeq.state.ar.us
Subject: Invitation - AAPCA's 2018 Spring Meeting, April 4 - 6 in Lexington, KY
Attachments: Woods Invite - AAPCA 2018 Spring Meeting - 03-09-2018.pdf

Mr. Woods,

I hope all is well! I am writing to extend an invitation for you to attend and participate in the Association of Air Pollution Control Agencies' 2018 Spring Meeting, to be held April 4 – 6, 2018 in Lexington, Kentucky. AAPCA is a consensus-driven organization representing more than 40 state and local air agencies on technical Clean Air Act issues, and attached is a more detailed invitation from Stuart Spencer, AAPCA's 2018 President and Associate Director of the Arkansas Department of Environmental Quality.

If you are available to present, our members would be interested hearing more about recent policy priorities and initiatives from EPA's Office of Air and Radiation, including efforts to increase air agency participation in the rulemaking process. We are targeting the morning of Thursday, April 5 (open session) or a session limited to local, state, and federal personnel on the morning of Friday, April 6. The meeting is closed to the press. We expect strong participation from senior officials representing more than two dozen and local air agencies as well as U.S. EPA. The meeting will be held at the Hilton Lexington/Downtown (369 West Vine Street, Lexington, Kentucky 40507).

Thanks so much for your consideration. Please let me know if you have any questions or if there is anything I can do to help facilitate this request.

Jason E. Sloan
Executive Director
Association of Air Pollution Control Agencies
1776 Avenue of the States
Lexington, KY 40511
859.244.8043 – office
jsloan@csg.org
http://www.cleanairact.org

AAPCA ASSOCIATION OF AIR POLLUTION CONTROL AGENCIES

2018 SPRING MEETING

April 4–6 | Hilton Lexington/Downtown | Lexington, Kentucky

March 9, 2018

Mr. Clinton Woods
Deputy Assistant Administrator, Office of Air and Radiation
U.S. Environmental Protection Agency (EPA)
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Dear Mr. Woods,

On behalf of the Association of Air Pollution Control Agencies (AAPCA), I would like to invite you to attend and participate in AAPCA's 2018 Spring Meeting, which will be held at the Hilton Lexington/Downtown in Lexington, Kentucky from April 4 to 6, 2018. AAPCA is a consensus-driven organization representing state and local air agencies on technical Clean Air Act issues. We expect strong participation at the meeting from senior officials representing more than two dozen environmental agencies, and our members look forward to robust attendance by senior staff from several U.S. EPA offices and regions.

More information on AAPCA's Spring Meeting is available on our website (www.cleanairact.org), and the meeting registration page contains a tentative agenda. The meeting is closed press and will include a full day of open-session programming on April 5th. Programming on April 6th will be limited to federal, state, and local air agency personnel and their multi-jurisdictional organizations. Once all presenters and attendees are confirmed, AAPCA will provide a more detailed agenda that will include panels and presentations on timely Clean Air Act topics.

Thank you for your consideration of this request. AAPCA's membership looks forward to seeing you in Lexington in April. If you have any questions, please contact Mr. Jason Sloan, AAPCA's Executive Director, at jsloan@csg.org or (859) 244-8043.

Sincerely,

Stuart Spencer

Stuart Spencer
Associate Director
Arkansas Department of Environmental Quality
2018 President, AAPCA

Message

From: McIntire, Mark D [Mark.McIntire@duke-energy.com]
Sent: 1/15/2018 3:58:58 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: RE: Updated Contact Information

Thanks Clint. Best of luck in your new role.

Mark McIntire, PE, BCEE, CRM
Director, Energy Affairs & Stakeholder Engagement
Duke Energy Corporation | 410 S. Wilmington Street | NCRH 10 | Raleigh, NC 27601
O: 919-546-6338 | C: 919-302-2448 | mark.mcintire@duke-energy.com

---

From: Woods, Clint [mailto:woods.clint@epa.gov]
Sent: Monday, January 15, 2018 10:53 AM
To: Woods, Clint
Subject: Updated Contact Information

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

All,

Happy New Year! Late last year, I started a new position with the U.S. Environmental Protection Agency's Office of Air and Radiation in Washington, DC. It has been a great pleasure to work closely with you in the past, and I look forward to continuing to do so in this role. Below is my updated contact information, and please don't hesitate to reach out if there is anything I can do for you.

Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562
woods.clint@epa.gov

Message

From: Carolyn Slaughter [cslaughter@publicpower.org]
Sent: 2/8/2018 6:26:32 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: APPA Invitation to Speak about Cooperative Federalism Under the Clean Air Act

Dear Clint,

This email is to follow up on my voice message. Please allow me to introduce myself, I am the Director of Environmental Policy for the American Public Power Association. The Association would like to invite you to participate in a panel discussion on Cooperative Federalism under the Clean Air Act, during our 2018 Legislative Rally. The speaking engagement will be held at the Washington, D.C. Mayflower hotel on **Monday, February 26, 2018 from 8:30 a.m.-12:00 p.m.** Association members attending the session represent local government, utility board members, and general managers in the public power communities they serve. Our members would like to learn more about the Administration's goal to rebalance coordination and corporation amongst its partners and how public power communities can support this effort.

The panel will include representatives from the Environmental Council of States, American Municipal Power and the Minnesota Municipal Utility Association. Each panelist is asked to provide a 25-30-minute power point presentation.

For your reference I have included a link to our brochure and more information is available at our website, www.publicpower.org.

I look forward to hearing from you regarding your availability and interest at your earliest convenience. Please don't hesitate to contact me should you have questions about this speaking opportunity.

Best regards,

Carolyn Slaughter
Director, Environmental Policy
American Public Power Association
(202) 467-2943
www.publicpower.org

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/10/2018 10:10:50 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
BCC: jsloan@csg.org; mkeogh@4cleanair.org; Kelly Poole [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user5e432e30]; bbeckstead@westgov.org; Elizabeth_Horner@epw.senate.gov; Andrew_Zach@epw.senate.gov; peter.spencer@mail.house.gov
Subject: Fwd: Acting Administrator Wheeler Announces Science Advisors for Key Clean Air Act Committee

FYI - Thanks!

Begin forwarded message:

From: "EPA Press Office" <press@epa.gov>
Date: October 10, 2018 at 5:07:53 PM EDT
To: "woods.Clint@epa.gov" <woods.Clint@epa.gov>
Subject: Acting Administrator Wheeler Announces Science Advisors for Key Clean Air Act Committee
Reply-To: press@epa.gov

Acting Administrator Wheeler Announces Science Advisors for Key Clean Air Act Committee

Tasks Chartered Panel to Lead Review of Ozone & Particulate Matter Standards Under Reformed Process

WASHINGTON (October 10, 2018) - Today, U.S. Environmental Protection Agency (EPA) Acting Administrator Andrew Wheeler announced the appointment of five new members of the chartered Clean Air Scientific Advisory Committee (CASAC). This seven-member panel, required under Section 109 of the Clean Air Act, provides critical advice related to National Ambient Air Quality Standards (NAAQS), including about how to set standards that protect public health with an adequate margin of safety, the role of background pollution, research needs, and potential adverse effects from strategies to meet these standards. Consistent with the Clean Air Act and CASAC's charter, Acting Administrator Wheeler also tasked this panel with leading the review of science for any necessary changes to the NAAQS for ozone or particulate matter. As outlined in the May 2018 "Back-to-Basics Process for Reviewing NAAQS" memorandum these changes would be finalized by late 2020.

"These experts will provide critical scientific advice to EPA as it evaluates where to set national standards for key pollutants like ozone and particulate matter," said Acting Administrator Wheeler. **"They are highly qualified and have a diverse set of backgrounds in fields like toxicology, engineering, medicine, ecology, and atmospheric science. These individuals, including five panelists who work in state, local, or federal environmental agencies, will work hard over the next two years to advise EPA in a manner consistent with the Clean Air Act and the protection of public health."**

The seven-member chartered CASAC:

- Dr. Anthony (Tony) Cox, Cox Associates (Chair)
- Dr. James Boylan, Georgia Department of Natural Resources
- Dr. Mark Frampton, University of Rochester Medical Center
- Dr. Sabine Lange, Texas Commission on Environmental Quality
- Dr. Timothy Lewis, U.S. Army Corps of Engineers
- Dr. Corey Masuca, Jefferson County (AL) Department of Health
- Dr. Steven Packham, Utah Department of Environmental Quality

Under the Clean Air Act, CASAC is to provide advice on air quality criteria, recommending any new NAAQS or revisions of existing criteria or standards as may be appropriate as well as advising the Administrator of: areas in which additional knowledge is required to appraise the adequacy and basis of existing, new, or revised NAAQS; research efforts necessary to provide the required information; the relative contribution to air pollution concentrations of natural as well as anthropogenic activity; and any adverse public health, welfare, social, economic, or energy effects which may result from various strategies for attainment and maintenance of such NAAQS.

Following the April 2018 Presidential Memorandum on Job Creation and Domestic Manufacturing, EPA issued a memorandum laying out the following principles to reform the process for setting NAAQS:

- Meet statutory deadlines;
- Address all Clean Air Act provisions for NAAQS reviews;
- Streamline and standardize the process for development and review of key policy-relevant information;
- Differentiate science and policy considerations in the NAAQS review process; and
- Issue timely implementation rules or guidance following the revision of a NAAQS.

CASAC operates pursuant to the Clean Air Act, the Federal Advisory Committee Act, and its charter, which is renewed every two years. Consistent with these authorities, the seven-member chartered CASAC will serve as the body to review key science assessments for the ongoing reviews of the ozone and particulate matter NAAQS (last revised in 2015 and 2012, respectively). In the next two weeks, EPA's Office of Research

and Development (ORD) intends to make public the draft Integrated Science Assessment for particulate matter for review and comment by CASAC and the public ahead of an in-person meeting in December. ORD also intends to hold a webinar regarding the Integrated Science Assessment for ozone in late October. EPA will also be releasing a draft Integrated Review Plan to outline the expected ozone NAAQS review process. These steps will kick off the scientific review process which will result in EPA finalizing any necessary changes to the ozone or particulate matter NAAQS by the end of 2020.

For more information, visit EPA's NAAQS review and CASAC websites.

<!--[if !mso]--> **Visit The EPA's Newsroom** <!--[endif]-->

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1200 Pennsylvania Avenue Northwest
Washington, D.C. 20004

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Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 4/12/2018 8:47:50 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
BCC: llefleur@adem.state.al.us; aaron.keatley@ky.gov; amatheson@utah.gov; Austin.Caperton@WV.gov; bbird@utah.gov; Bob.Martineau@tn.gov; bpigott@idem.in.gov; Brian.Gustafson@state.sd.us [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3a91319339604a17a1327499f90b693d-Brian.Gustafson@state.sd.us]; bryan.shaw@tceq.texas.gov; Misael Cabrera [Cabrera.Misael@azdeq.gov]; Chad_Lafontaine@deq.state.ms.us; charles.snavely@ky.gov; chuck.brown@la.gov; craig.butler2@epa.ohio.gov; cwright@des.state.nh.us; ddragoni@ndep.nv.gov; dglatt@nd.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=91bcf7c3940d4827a881c3d11c8d97a4-dglatt@nd.gov]; Dika.Kuoh@dnr.ga.gov; Donald.Trahan@LA.GOV; Drago.Leonard@azdeq.gov; FranquistJr.Timothy@azdeq.gov; gail.good@wisconsin.gov; GretherH@michigan.gov; hpropst@westgov.org; James.Johnston@tn.gov; Jeff.Koerner@dep.state.fl.us; jim.macy@nebraska.gov; jmitchell@kdheks.gov; john.tippets@deq.idaho.gov; jsloan@csg.org; jufner@naco.org; Karen.Hays@dnr.ga.gov; kbaugues@idem.in.gov; 'Keogh, Becky' [keogh@adeq.state.ar.us]; kevin.j.stoner@nebraska.gov; kyra.moore@dnr.mo.gov; laliddington@aqm.co.knox.tn.us [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=90324dfb701a4c039eab0da4815edffd-laliddington@aqm.co.knox.tn.us]; lkremer@ndep.nv.gov; lwb@adem.alabama.gov; Marc.A.Cone@maine.gov; melissa.duff@ky.gov; Abraczinskas, Michael [michael.abraczinskas@ncdenr.gov]; Michael.Dowd@deq.virginia.gov; michael.teague@ee.ok.gov; michelle.b.walker@tn.gov; mkeogh@4cleanair.org; Montgomery@adeq.state.ar.us; nancy.vehr1@wyo.gov; patrick.stevens@wisconsin.gov; porterhj@dhec.sc.gov; reecemc@dhec.sc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=514d8da796ca4e1a8c0cdf6979618732-reecemc@dhec.sc.gov]; richard.dunn@dnr.ga.gov; Robert.Hodanbosi@epa.ohio.gov; RWG@adem.alabama.gov; Alteri, Sean (EEC) [Sean.Alteri@ky.gov]; seggleston@aashto.org; Seyed Sadredin [Seyed.Sadredin@valleyair.org]; sheila.holman@ncdenr.gov; spencer@adeq.state.ar.us; steve.hagle@tceq.texas.gov; thompsrb@dhec.sc.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=66457c9cd776415d9dd612ce9ed4c38b-thompsrb@dhec.sc.gov]; toclair@nd.gov; Todd.Parfitt@wyo.gov; Vivian.Aucoin@LA.Gov; William.F.Durham@wv.gov; Nick Goldstein [ngoldstein@artba.org]; kpoole@ecos.org; Dick, James F - DNR [James.Dick@wisconsin.gov]; Byers, Dan [DByers@USChamber.com]; Michael Vince [mvince@censara.org]
Subject: Presidential Memo on Implementation of Air Quality Standards Showcases EPA Progress on Promoting Domestic Manufacturing and Job Creation

FYI – You can find the memo here, a fact sheet here, and EPA's release below.

https://www.epa.gov/newsreleases/presidential-memo-implementation-air-quality-standards-showcases-epa-progress-promoting

Presidential Memo on Implementation of Air Quality Standards Showcases EPA Progress on Promoting Domestic Manufacturing and Job Creation

Administrator Pruitt takes final action: no change to standards for nitrogen dioxide

04/12/2018
Contact Information:
(press@epa.gov)

WASHINGTON – Today, President Donald Trump signed a Memorandum for the Administrator of the Environmental Protection Agency (EPA), directing EPA to ensure efficient and cost-effective implementation of air quality standards under the National Ambient Air Quality Standards (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.** "International and background sources of air pollution are

critical issues facing state, local, and tribal agencies implementing national standards. The President's leadership will guide our Agency's continued commitment to proper implementation of the Clean Air Act."

The memo, *Promoting Domestic Manufacturing and Job Creation -- Policies and Procedures Relating to Implementation of Air Quality Standards*, calls for setting air quality standards based on transparent science.
On April 6, Administrator Scott Pruitt took final action to retain, without revisions, the current health-based standards for oxides of nitrogen (NO_x). This decision, informed by the recommendation of the Agency's independent science advisors and consistent with comments from states and key stakeholders, keeps the one-hour standard at a level of 100 parts per billion and an annual standard of 53 parts per billion. These standards focus on nitrogen dioxide to address NOx. EPA also intends to finalize guidance recommending "significant impact levels" for ozone and fine particulate matter soon. This guidance will further reduce permitting burdens for U.S. manufacturers.

The Clean Air Act requires EPA to set NAAQS for "criteria pollutants," which include NOx, ground-level ozone, particulate matter – and other pollutants. NOx emissions have dropped by more than 50 percent since 2000 and currently there are no monitors in the U.S. measuring pollution above those standards.

EPA has already made tremendous progress toward President Trump's direction for regulatory relief:

- The Obama Administration imposed more than 50 Federal Implementation Plans (FIPs) on states, about 10 times the number of FIPs by the three previous administrations combined. Under Administrator Pruitt, EPA has turned an average of one FIP into a State Implementation Plan (SIP) every month.
- Administrator Pruitt inherited a backlog of more than 700 SIPs. Since March 2017, EPA has taken final action on more than 350 SIPs.
- EPA, in close collaboration with states, plans to increase the number of areas that meet NAAQS by approximately 20 percent.
- The Agency is taking action to simplify the New Source Review process and has committed to reduce, by 50 percent, the number of permitting-related decisions that exceed six months by October 2019.
- While tremendous progress has been made in reducing criteria pollutants and regional haze, background and international air pollution contributes significantly to air quality issues under increasingly stringent standards. EPA is committed to maximize flexibility for the Clean Air Act tools for regulatory relief, including through the exclusion of data from "exceptional events" and provisions to address violations caused by international – including non-North American – sources. Since 2016, EPA has received and acted upon more than 20 "exceptional event" demonstrations, nearly all of which concurred with state recommendations.
- In January 2018, EPA announced decisions to revisit onerous and duplicative parts of the Obama's Administration's Regional Haze Rule and to finalize additional flexibilities for state plans due in 2021.

"The Arizona Department of Environmental Quality has been a leader in exceptional event demonstrations and we appreciate the Administration's commitment to timely review of the same. And, we wholeheartedly support the continuing study of background and international transport of air pollutants," **said Director of the Arizona Department of Environmental Quality Misael Cabrera.**

"This new directive to streamline the approval process for state air quality plans is welcome news," **said Wisconsin Department of Natural Resources Secretary Dan Meyer.** "EPA's efforts to work cooperatively with states on Clean Air Act issues in a timely manner will encourage economic growth while protecting the environment."

"Having reduced air pollution from local sources in our region by more than 85 percent, we are grateful for EPA's initiative to streamline implementation and provide for better accounting of international pollution transport as we continue our efforts to further reduce air pollution and improve public health for San Joaquin Valley residents," **said Executive Director of the San Joaquin Valley Air Pollution Control District in California Seyed Sadredin.**

"The current Clean Air Act regulatory review process is confusing, results in conflicting standards, and does not provide local officials with the predictability they need to develop long-term transportation plans aimed at reducing emissions. ARTBA endorses the Trump Administration's plan to reform the process to speed up the delivery of transportation improvement projects while also maintaining environmental protections," **said American Road & Transportation Builders Association President & CEO Peter Ruane.**

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 5/29/2018 7:10:12 PM
To: mkeogh@4cleanair.org; jsloan@csg.org; kpoole@ecos.org
Subject: EPA Opportunities

All,

I hope all is well! My colleagues in the Office of Policy and Office of General Counsel had asked if we could help spread the word on two senior air-related opportunities which might be of interest to state experts – One is to lead the Air and Radiation Law Office and the other to head up our Office of Regulatory Policy and Management. Any chance you might be willing to circulate, as appropriate, to your membership? Thanks!

Associate General Counsel
Environmental Protection Agency
Washington DC, District of Columbia

- Starting at $126,148 (ES 00)
- Permanent • Full-time

Open 05/23/2018 to 06/22/2018
This Senior Executive Service (SES) position is located in the Office of General Counsel, Air and Radiation Law Office, Washington, D.C.
The incumbent serves as the Associate General Counsel working under the direct supervision of the Principal Deputy General Counsel and General Counsel, and adheres to the policy and legal direction of the Deputy General Counsels. The incumbent is responsible for providing legal counsel, opinions, legal services and negotiation support with respect to implementation of the Clean Air Act and other various statutes as appropriate.

Director, Office of Regulatory Policy and Management
Environmental Protection Agency
Washington DC, District of Columbia

- Starting at $126,148 (ES 00)
- Permanent • Full-time

Open 05/02/2018 to 06/01/2018
The Office of Regulatory Policy and Management (ORPM) oversees the Agency's action development process, helps ensure the Agency uses rigorous and consistent analytical methods and information in regulatory decision-making, and analyzes priority, multimedia, long-term and emerging regulatory and policy issues. ORPM consists of an Immediate Office staff and two divisions, the Regulatory Management Division (RMD), and the Policy and Regulatory Analysis Division (PRAD). RMD manages the Agency's environmental regulation, policy and guidance development processes in collaboration with EPA program and regional offices. PRAD contributes to the development of Agency regulations and policies across all media, and ensures that Agency decision processes are invested with high quality and timely information.

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 1/18/2018 7:31:00 PM
To: Laura E Vaught [Laura.E.Vaught@dominionenergy.com]
Subject: RE: Updated Contact Information

Laura,

Thanks so much!!

Clint

From: Laura E Vaught [mailto:Laura.E.Vaught@dominionenergy.com]
Sent: Tuesday, January 16, 2018 2:04 PM
To: Woods, Clint <woods.clint@epa.gov>
Subject: RE: Updated Contact Information

Clint – congratulations! I hope you find it to be as interesting and enjoyable a place to work as I did – I'm sure you will even though I'm also sure there will be the days where that may not be the case ☺. Congrats again!

Best, Laura

From: Woods, Clint [mailto:woods.clint@epa.gov]
Sent: Monday, January 15, 2018 10:53 AM
To: Woods, Clint
Subject: [External] Updated Contact Information

All,

Happy New Year! Late last year, I started a new position with the U.S. Environmental Protection Agency's Office of Air and Radiation in Washington, DC. It has been a great pleasure to work closely with you in the past, and I look forward to continuing to do so in this role. Below is my updated contact information, and please don't hesitate to reach out if there is anything I can do for you.

Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562
woods.clint@epa.gov

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Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 5/1/2018 4:26:39 PM
To: mkeogh@4cleanair.org; jsloan@csg.org; Kelly Poole [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user5e432e30]
Subject: Additional Designations for the 2015 Ozone Standards | Air Quality Designations for Ozone | US EPA

FYI - Thanks!

https://www.epa.gov/ozone-designations/additional-designations-2015-ozone-standards

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 8/21/2018 1:53:50 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
BCC: mkeogh@4cleanair.org; kpoole@ecos.org; jsloan@csg.org
Subject: FW: ***STAKEHOLDER CALL ALERT***

All,

In addition to the more detailed call planned for states at 3:30 Eastern today (logistics at the bottom of this email), I also wanted to flag a less detailed stakeholder call scheduled for 1:00 PM. Your members are welcome to join either, and the proposal details are available here. Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Date: August 21, 2018 at 7:05:26 AM
Subject: Fwd: ***STAKEHOLDER CALL ALERT***

*****S TAK EHO LDE R CAL L ALE RT** * EPA Pro pos es New Affo rdab le Clea**

n Energy Rule

WASHINGTON (August 21, 2018) — Today, August 21, 2018, at 1:00 P.M. EDT, U.S. Environmental Protection Agency (EPA) Assistant Administrator for the Office of Air and Radiation, Bill Wehrum will host a stakeholder briefing via phone

to announce the proposed Affordable Clean Energy "ACE" rule, which sets greenhouse gas guidelines for states to set standards.

Who: The Office of Public Engagement and the U.S. EPA Assistant Administrator for the Office of Air and Radiation Bill Wehrum

What:

Stakeholder briefing via phone

When: Tuesday, August 21, 2018

1:00 – 1:30 P.M. EDT

Where: Participant Toll Free Dial-In Number: 1- Ex. 6 Personal Privacy (PP) Please provide the Conference ID: Ex. 6 Personal Privacy (PP) when speaking with the operator.

From: Cory.Preston@

epa.gov
Date: August 20, 2018 at 6:36:31 PM EDT
To: "Katherine Preston Cory (Cory.Preston@epa.gov)" <Cory.Preston@epa.gov>
Cc: Troy Lyons <lyons.troy@epa.gov>, Douglas Hoelscher <Douglas.L.Hoelscher@who.eop.gov>
Subject: **EMBARGOED: Affordable Clean Energy Rule Briefing Tomorrow at 3:30 EST**

All,

Tomorrow

mornin
g, EPA
will be
announ
cing
the
Afford
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Clean
Energy
(ACE)
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also
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as the
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EPA
will
host a
call for
govern
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and
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At
**3:30p
m
EST**,
the
Assista
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Administrator for the Office of Air and Radiation, Bill Wehrum, will kick off the briefing and will be available for a quick Q&A. The call will run for half-an-hour and will end promptly at 4:00pm EST. If you have any questions, please feel free to contact me directly. Thank you for not forwarding

this message.

Participant Toll Free Dial-In Number: Ex. 6 Personal Privacy (PP)

Conference ID: Ex. 6 Personal Privacy (PP)

Regards,
Preston Cory

K. Preston Cory
Director of Intergovernmental Relations
Office of the Administrator
U.S. Environmental Protection Agency
202-579-4281

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/12/2018 3:38:48 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
BCC: jsloan@csg.org; Kelly Poole [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user5e432e30]
Subject: Regional Haze Roadmap

All,

Here is the roadmap announced earlier this week - Thanks!
https://www.epa.gov/sites/production/files/2018-09/documents/regional_haze_reform_roadmap_memo_09-11-2018.pdf

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 1/15/2018 10:53:08 PM
To: Ghanta, Venu G [Venu.Ghanta@duke-energy.com]
Subject: Re: Updated Contact Information

Venu,

Thanks so much! I'll be covering NAAQS/regional haze issues primarily. I will definitely follow up on potential power plant tour, and look forward to working with you!

Clint

On Jan 15, 2018, at 3:40 PM, Ghanta, Venu G <Venu.Ghanta@duke-energy.com> wrote:

> Hi Clint-
>
> Congrats on your new role and hope that you are settling in well. What's your particular area of coverage for EPA?
>
> I'm sure you got out to see a number of power plants in your role at AAPCA, but I wanted to extend the offer that we would be happy to have you out to one (or more) of our facilities. Let me know if you have time and interest.
>
> Regards, Venu
>
> <!--[if !vml]--><image002.jpg><!--[endif]-->Venu Ghanta
> *Federal Regulatory Affairs Director*
> 325 7th Street NW, Suite 300, Washington, DC 20004
> Office: 202-824-8013
> Cell: 202-699-2337
>
> ---
>
> **From:** Woods, Clint [mailto:woods.clint@epa.gov]
> **Sent:** Monday, January 15, 2018 10:53 AM
> **To:** Woods, Clint
> **Subject:** Updated Contact Information

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

All,

Happy New Year! Late last year, I started a new position with the U.S. Environmental Protection Agency's Office of Air and Radiation in Washington, DC. It has been a great pleasure to work closely with you in the past, and I look forward to continuing to do so in this role. Below is my updated contact information, and please don't hesitate to reach out if there is anything I can do for you.

Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562
woods.clint@epa.gov

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 1/15/2018 3:52:51 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
BCC: ABond@eei.org; adelman@ladco.org; akarellas@csg.org; al_collins@oxy.com [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8588a7b4048548f88fc04b6540754bcd-al_collins@oxy.com]; alan@capcoa.org; alefohn@asl-associates.com; amanda_tharpe@rounds.senate.gov; Anne.Smith@NERA.com; Anthony.Williams@fortworthtexas.gov; aroberson@asdwa.org; award@amppartners.org; barb@nasda.org; Barclay.Gibbs@ihs.com; barnetwm@forsyth.cc [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=70dd57aa4d4a4889a6141e6e42833a9f-barnetwm@forsyth.cc]; bbird@utah.gov; bcolby@chattanooga.gov; belzer@regulatorycheckbook.org; bessette@cibo.org; beth@partlowlaw.com; bgraves@ecos.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dbde02b60ced444782391df25fd1295e-bgraves@eco]; Bill.Whitsitt@dvn.com; blebaron@utah.gov; blebens@westar.org; bob.rogers@shelbycountytn.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=49b305e97b1640eb8f152bc6c3e5dd36-bob.rogers@shelbycountytn.gov]; bpatel@kyrasolutions.com; BPotts@perkinscoie.com; bradp@mdaqmd.ca.gov; Brett_Doyle@rpc.senate.gov; brian.foster@tceq.texas.gov; bross@brookspierce.com; bross@consumerenergyalliance.org; Bryan_Zumwalt@americanchemistry.com; btyran@epri.com; cam.madsen@mail.house.gov; campbell@epchc.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=612df292d3664f77856589888ff1a5ea-campbell@epchc.org]; cara.keslar@wyo.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=79fe19c824134578b95848ad66ba756b-cara.keslar@wyo.gov]; carol.comer@dnr.mo.gov; cdbennett@marathonpetroleum.com; Chad_Lafontaine@deq.state.ms.us; chanson@ecos.org; Charles.Rigler@charleskochinstitute.org; chorner@cei.org; chris.wydler@mail.house.gov; chris_tomassi@appro.senate.gov; clangworthy@hunton.com; cmerriam@ouc.com; corey.m.masuca@jcdh.org; cscolari@westgov.org; cwolverton@scana.com; dallas.baker@neel-schaffer.com; Dana.Wood@bp.com; DaniaR@astswmo.org; Daniel.Flores@mail.house.gov; dave.flannery@steptoe-johnson.com; dave.johnston@edcgov.us; david.brigman@buncombecounty.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=08a1ee96e74c4617bd62de74ca06c39a-david.brigman@buncombecounty.org]; David.Freibert@lge-ku.com; David.Harrison@NERA.com; david.rostker@sba.gov; DByers@USChamber.com; ddragoni@ndep.nv.gov; deanna.oser@dnr.state.ga.us; delliott@willkie.com; dgreenbaum@healtheffects.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9ec93cef9f064b97bcc1e68b4d53b377-dgreenbaum@healtheffects.org]; dick.brewer@duke-energy.com; Dika.Kuoh@dnr.ga.gov; Donald.Trahan@LA.GOV; Drago.Leonard@azdeq.gov; dschoenbrod@nyls.edu; dterry@naseo.org; eholdsworth@eei.org; Elizabeth_Horner@epw.senate.gov; ElkinsEnv@[redacted] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a5377b02a15b49aea935b2022b7c631a-ElkinsEnv@[redacted]; emtrisko@earthlink.net; eric.cornwell@dnr.ga.gov; eric.massey@aps.com; Feldman@api.org; fitzsimmons@gchd.org; Frank.Maisano@bracewell.com; FranquistJr.Timothy@azdeq.gov; fred.lipfert@[redacted] frey@ncsu.edu [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=09d9de6c79164dea95065edfca975b87-frey@ncsu.e]; Gary.Helm@pjm.com; gary.marchant@asu.edu [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2af0a20c5bc54776830e3dcb858b0522-gary.marchant@asu.edu]; genetree@[redacted]@alpinegeophysics.com; grahamjd@indiana.edu; greg.blanchard@mymanatee.org; grizzle@grizzleco.com [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=607f0c9ada1547d0b72901f88202889c-grizzle@grizzleco.com]; gwhite@naruc.org; gwolff@airimprovement.com; gyamada@goingforwardstrategies.com; halford@nationalbcc.org; harlan_watson@[redacted] hayward4[redacted] hornback@metro4-sesarm.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f960deb800bf49489e73e2abfb8e2a83-hornback@metro4-sesarm.org]; hpropst@westgov.org; hsills@starpower.net; igoklany@[redacted]; jaime.holt@valleyair.org; James.Boylan@dnr.ga.gov; James.Johnston@tn.gov; jamie@conradcounsel.com; jana.milford@Colorado.EDU; janastasio@acwa-us.org; jarrod.bell@ky.gov; Jason.Gray@mail.house.gov; jbentley@mmlk.com; jcmaierhofer@tva.gov; jed@allawgp.com; jeff.holmstead@bgllp.com [/o=ExchangeLabs/ou=Exchange

Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=966dd5128c5b44539a0c806c2f7738d6-jeff.holmstead@bgllp.com]; Jeff.Koerner@dep.state.fl.us; Jeffrey.Wood@usdoj.gov; Jenah.Zweig@hq.doe.gov; Jennifer.Barblan@mail.house.gov; jessonic[Personal Privacy / Ex. 6]; jgabler@westar.org; jgledhill@policynavigation.com; JGoodman@gradientcorp.com; jkinsman@eei.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df37c7710f3f45c18acc469a272eb78a-jkinsman@eei.org]; jkubsh@meca.org [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dedb882d93444b16a4277e6307eb38eb-jkubsh@meca.org]; JLevine@rma.org; jmcdill@marama.org; joe.friedlander@nacoal.com; joel@joelschwartz.com; john.finke@nashville.gov; joseph.brazauskas@mail.house.gov; jsmith@eei.org; jstanko@hunton.com; JSuchecki@emamail.org; jufner@naco.org; juliya.grigorian@mail.house.gov; julsmorris[Personal Privacy / Ex. 6]; JWagoner@bcaqmd.org; kapprl[Personal Privacy / Ex. 6]karen.granata@toledo.oh.gov; Karen.Hays@dnr.ga.gov; kbaugues@idem.in.gov; kcolburn@raponline.org; kebelton@iu.edu; keith.talley@louisvilleky.gov; kent_burton@nes-dc.com; kevin.bromberg@sba.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a79a0f905cda421984b3523ea0beaf85-kevin.bromberg@sba.gov]; Kevin.Neyland@[Personal Email / Ex. 6]khwhite@texaspolicy.com; kiel.weaver@mail.house.gov; kisha.hines@scana.com; kpoole@ecos.org; Kristina.Moore@fticonsulting.com; KSgamma@westernenergyalliance.org; ksunday@pachamber.org; laliddington@aqm.co.knox.tn.us [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=90324dfb701a4c039eab0da4815edffd-laliddington@aqm.co.knox.tn.us]; Lamar.Echols@mail.house.gov; Laura.e.vaught@dom.com; laura_atcheson@cornyn.senate.gov; lbb@adem.alabama.gov; ledmondson@marathonpetroleum.com; Leslie.rhodes@mecklenburgcountync.gov; lfuller@ipaa.org; lhart@conservative.org; ljanairo@csg.org; lkremer@ndep.nv.gov; lori.bocchino@wyo.gov; lsritts@rittslawgroup.com; 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Subject: Updated Contact Information

All,

Happy New Year! Late last year, I started a new position with the U.S. Environmental Protection Agency's Office of Air and Radiation in Washington, DC. It has been a great pleasure to work closely with you in the past, and I look forward to continuing to do so in this role. Below is my updated contact information, and please don't hesitate to reach out if there is anything I can do for you.

Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562
woods.clint@epa.gov

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/13/2018 7:56:05 PM
To: Miles Keogh [mkeogh@4cleanair.org]; jsloan@csg.org; kpoole@ecos.org
Subject: FY19 Congressional Justifications

All,

Just in case you haven't seen them as they were posted late yesterday, here's the link for EPA's FY 2019 Justification of Appropriation Estimates for the Committee on Appropriations (which contain significantly more detail than the budget in brief document posted earlier in the day): https://www.epa.gov/planandbudget/fy-2019-justification-appropriation-estimates-committee-appropriations

Thanks!

Clint Woods
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