Appointment

From: Levy, Maxwell [Levy.Maxwell@epa.gov]
Sent: 6/2/2021 12:30:52 PM
To: Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
CC: adinn@lonestarlegal.org; AliM@nwf.org; Angelo Logan [alogan@oxy.edu]; Amanda.LeFevre [Amanda.LeFevre@ky.gov]; allison.smith@louisvilleky.gov; rhall@frankfort.ky.gov; lsims@covingtonky.gov; sheltonam@owensboro.org; Sheri Adkins [sheri.adkins@ky.gov]; elizabeth.mcnulty@ky.gov; dheard@ymcalouisville.org; Ana.parras[Ex. 6]anne@labucketbrigade.org; ariseadvocacy1[Ex. 6] arkansasipl[Ex. 6]Arnita G [aniah.gadson@twc.com]; ashelley@citizen.org; avagabrielle@ussustainabledevelopmentcorp.com; baptista@newschool.edu; beverlylwright[Ex. 6]Beverly Wright [beverlyw@dscej.org]; blauderdale[Ex. 6]bnelson@airalliancehouston.org; carolynpeters2014[Ex. 6]CEJCoalition[Ex. 6]christy.nuetzman@uky.edu; DianeT@environmentalhealth.org; djwil51[Ex. 6]dmolina@cbecal.org; drrobertbullard [Ex. 6]; ejcoalition.michigan@gmail.com; elizabeth@uprose.org; emilyharrismph[Ex. 6] evaldivia@trla.org; glen.hooks@sierraclub.org; glinon@caleja.org; Harambee[Ex. 6]Hiltonkelley5011[Ex. 6]; hiltonkelleycida[Ex. 6]huy@opalpdx.org; ientomg[Ex. 6]info@climatejusticealliance.org; info@kftc.org; interfaith.earth[Ex. 6] jinewmexico[Ex. 6]jjones@philander.edu; jnwomack1[Ex. 6]jose.bravo.jta[Ex. 6] jose@just-transition.org; kerene@weact.org; kharagan@law.utexas.edu; kterrell1@tulane.edu; kwasserman@lvejo.org; miya@apen4ej.org; moniqueh@dscej.org; mroberts [mroberts@comingcleaninc.org]; mychaljohnson[Ex. 6] newalphacdc[Ex. 6]Leownaconsulting[Ex. 6]newbian8[Ex. 6]; Na'Taki Jelks [nojelks@wawa-online.org]; nsheats@tesu.edu; pamela@akaction.org; parras.juan[Ex. 6]peggy@weact.org; poder.austin[Ex. 6]; LaTricea Adams [president@blackmillennials4flint.org]; rubbertownstinks@gmail.com; russel.honore[Ex. 6]scharoldmitchell [Ex. 6] scook@comdev-services.com; sharonclavigne[Ex. 6]SubraCom[Ex. 6]marylee [marylee@leanweb.org]; swilson2 [swilson2@umd.edu]; team@sunrisemovement.org; tfleming@mtncomp.org; tljslc[Ex. 6] Viola Waghiyi [vi@akaction.org]; vmiller-travis@metgroup.com; wera1usa[Ex. 6]hasitywhite225[Ex. 6] Newberg, Cindy [Newberg.Cindy@epa.gov]; Shelton, Abby [Abby.Shelton@owensboro.org]; summer@uprose.org; Fine, Philip [Fine.Philip@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Grundler, Christopher [grundler.christopher@epa.gov]; Hall-Jordan, Luke [Hall-Jordan.Luke@epa.gov]; Chang, Wei-An (Andy) [Chang.Andy@epa.gov]; Rachael Hamilton [Rachael.Hamilton@louisvilleky.gov]

Subject: EJ Community Briefing on Hydrofluorocarbon Proposed Rule
Location: [Ex. 6]

Start: 6/2/2021 4:00:00 PM
End: 6/2/2021 5:30:00 PM
Show Time As: Tentative

Required Attendees: Carbonell, Tomas; Enobakhare, Rosemary

Optional Attendees: adinn@lonestarlegal.org; AliM@nwf.org; alogan@oxy.edu; Amanda.LeFevre@ky.gov; Allison.Smith@louisvilleky.gov; rhall@frankfort.ky.gov; lsims@covingtonky.gov; sheltonam@owensboro.org; sheri.adkins@ky.gov; elizabeth.mcnulty@ky.gov; dheard@ymcalouisville.org; Ana.parras[Ex. 6] anne@labucketbrigade.org; ariseadvocacy1[Ex. 6]arkansasipl[Ex. 6]Arnita G; ashelley@citizen.org; avagabrielle@ussustainabledevelopmentcorp.com; baptista@newschool.edu; beverlylwright[Ex. 6] beverlyw@dscej.org; blauderdale[Ex. 6]bnelson@airalliancehouston.org; carolynpeters2014[Ex. 6] CEJCoalition[Ex. 6] christy.nuetzman@uky.edu; DianeT@environmentalhealth.org; djwil51[Ex. 6] dmolina@cbecal.org; drrobertbullard[Ex. 6]ejcoalition.michigan[Ex. 6]elizabeth@uprose.org; emilyharrismph[Ex. 6]evaldivia@trla.org; glen.hooks@sierraclub.org; glinon@caleja.org; Harambee[Ex. 6]Hiltonkelley5011[Ex. 6]hiltonkelleycida[Ex. 6] huy@opalpdx.org; ientomg[Ex. 6]info@climatejusticealliance.org; info@kftc.org; interfaith.earth[Ex. 6] jinewmexico[Ex. 6]jjones@philander.edu; jnwomack1[Ex. 6]jose.bravo.jta[Ex. 6]jose@just-transition.org; kerene@weact.org; kharagan@law.utexas.edu; kterrell1@tulane.edu; kwasserman@lvejo.org; miya@apen4ej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; mychaljohnson[Ex. 6]

newalphacdc Ex. 6 Leownaconsulting Ex. 6 newbian8 Ex. 6 Na'Taki Jelks; nsheats@tesu.edu; pamela@akaction.org; parras.juan Ex. 6 peggy@weact.org; poder.austin Ex. 6 President@blackmillennials4flint.org; rubbertownstinks Ex. 6 russel.honore Ex. 6 scharoldmitchell Ex. 6 scook@comdev-services.com; sharonclavigne Ex. 6 SubraCom Ex. 6 marylee; swilson2@umd.edu; team@sunrisemovement.org; tfleming@mtncomp.org; tljslc Ex. 6 Vi@akaction.org; vmiller-travis@metgroup.com; wera1usa Ex. 6 chasitywhite225 Ex. 6 Newberg, Cindy; Shelton, Abby; summer@uprose.org; Fine, Philip; Nunez, Alejandra; Grundler, Christopher; Hall-Jordan, Luke; Chang, Wei-An (Andy); Hamilton, Rachael

You are invited to an environmental justice community briefing on **Wednesday, June 2 at 12pm ET**, with EPA staff ahead of the upcoming public hearing on the proposed rule "Phasedown of Hydrofluorocarbons: Establishing the Allowance Allocation and Trading Program under the American Innovation and Manufacturing Act." Please feel free to forward this invitation to other members of the environmental justice community who may be interested in attending this briefing.

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From: Levy, Maxwell [Levy.Maxwell@epa.gov]
Sent: 6/1/2021 2:42:58 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
CC: adinn@lonestarlegal.org; AliM@nwf.org; Angelo Logan [alogan@oxy.edu]; Amanda.LeFevre [Amanda.LeFevre@ky.gov]; allison.smith@louisvilleky.gov; rhall@frankfort.ky.gov; lsims@covingtonky.gov; sheltonam@owensboro.org; Sheri Adkins [sheri.adkins@ky.gov]; elizabeth.mcnulty@ky.gov; dheard@ymcalouisville.org; Ana.parras Ex. 6 anne@labucketbrigade.org; ariseadvocacy1 Ex. 6 arkansasipl Ex. 6 Arnita G [aniah.gadson@twc.com]; ashelley@citizen.org; avagabrielle@ussustainabledevelopmentcorp.com; baptista@newschool.edu; beverlylwright Ex. 6 Beverly Wright [beverlyw@dscej.org]; blauderdale Ex. 6 bnelson@airalliancehouston.org; carolynpeters2014 Ex. 6 CEJCoalition Ex. 6 christy.nuetzman@uky.edu; DianeT@environmentalhealth.org; djwil51 Ex. 6 dmolina@cbecal.org; drrobertbullard Ex. 6 ; ejcoalition.michigan Ex. 6 elizabeth@uprose.org; emilyharrismph Ex. 6 evaldivia@trla.org; glen.hooks@sierraclub.org; glinon@caleja.org; Harambee Ex. 6 Hiltonkelley5011 Ex. 6 hiltonkelleycida Ex. 6 huy@opalpdx.org; ientomg Ex. 6 info@climatejusticealliance.org; info@kftc.org; interfaith.earth Ex. 6 jinewmexico Ex. 6 jones@philander.edu; jnwomack1 Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kerene@weact.org; kharagan@law.utexas.edu; kterrell1@tulane.edu; kwasserman@lvejo.org; miya@apen4ej.org; moniqueh@dscej.org; mroberts [mroberts@comingcleaninc.org]; mychaljohnson Ex. 6 newalphacdc Ex. 6 Leownaconsulting Ex. 6 newbian8 Ex. 6 Na'Taki Jelks [nojelks@wawa-online.org]; nsheats@tesu.edu; pamela@akaction.org; parras.juan Ex. 6 peggy@weact.org; poder.austin Ex. 6 LaTricea Adams [president@blackmillennials4flint.org]; rubbertownstinks Ex. 6 russel.honore@gmail.com; scharoldmitchell Ex. 6 scook@comdev-services.com; sharonclavigne Ex. 6 SubraCom Ex. 6 marylee [marylee@leanweb.org]; swilson2 [swilson2@umd.edu]; team@sunrisemovement.org; tfleming@mtncomp.org; tljslc Ex. 6 Viola Waghiyi [vi@akaction.org]; vmiller-travis@metgroup.com; wera1usa Ex. 6 chasitywhite225 Ex. 6 Newberg, Cindy [Newberg.Cindy@epa.gov]; Shelton, Abby [Abby.Shelton@owensboro.org]; summer@uprose.org; Fine, Philip [Fine.Philip@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Grundler, Christopher [grundler.christopher@epa.gov]; Hall-Jordan, Luke [Hall-Jordan.Luke@epa.gov]; Chang, Wei-An (Andy) [Chang.Andy@epa.gov]; Rachael Hamilton [Rachael.Hamilton@louisvilleky.gov]

Subject: EJ Community Briefing on Hydrofluorocarbon Proposed Rule
Location: Ex. 6
Start: 6/2/2021 4:00:00 PM
End: 6/2/2021 5:30:00 PM
Show Time As: Busy

Required Attendees: Carbonell, Tomas; Enobakhare, Rosemary
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Chang, Wei-An (Andy); Hamilton, Rachael

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Appointment

From: scheduling [scheduling@epa.gov]
Sent: 8/11/2021 2:52:43 PM
To: scheduling [scheduling@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Lucey, John [Lucey.John.D@epa.gov]; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6]; anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; Beverly Wright [beverlyw@dscej.org]; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6]; mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club [michael.brune@sierraclub.org]; varshini@sunrisemovement.org; parras.juan[Ex. 6] diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen [lbentzen@partnershipproject.org]; Jasmine Harrison [jharrison@partnershipproject.org]; Utech, Dan [Utech.Dan@epa.gov]; Cassady, Alison [Cassady.Alison@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]
CC: anleonar@greenpeace.org; bob.inglis.us[Ex. 6] melissareamp[Ex. 6]; Rebecca Jackson [rjackson@ghhi.org]; jon.barton@seiu.org

Subject: Video-call: Environmental Leaders Roundtable
Location: Ex. 6

Start: 8/11/2021 8:30:00 PM
End: 8/11/2021 9:15:00 PM
Show Time As: Busy

Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni; Levy, Maxwell; Lucey, John; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6]; anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; beverlyw@dscej.org; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6] mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club; varshini@sunrisemovement.org; parras.juan[Ex. 6] diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen; Jasmine Harrison; Utech, Dan; Cassady, Alison; Carbonell, Tomas

Optional Attendees: anleonar@greenpeace.org; bob.inglis.us Ex. 6 melissareamp Ex. 6 Rebecca Jackson; jon.barton@seiu.org

Do not forward this invitation. Please notify scheduling@epa.gov if participant changes need to be made.

Administrator Regan (table)
John Lucey

Virtual:
Rosemary Enobakhare, OPEEE
Loni Cortez Russell, OPEEE
Tomas Carbonell, OAR
Ale Nunez, OAR
Dan Utech, AO
Alison Cassady, AO
Katie Huffling, Alliance of Nurses for Healthy Environments
Dwaign Tyndal, Alerter natives for Community and Environment
Benji Backer, American Conservation Coalition
Randi Weingarten, American Federation of Teachers
Harold Wimmer, American Lung Association
Dr. Georges Benjamin, American Public Health Association
Jose Aguto, Catholic Climate Covenant
John Podesta, center for American Progress
Anahí Naranjo, Center for Earth, Energy & Democracy
Mindy Lubber, Ceres
Nsedu Obot, Children's Environmental Health Network
Dorothy Barnett, Climate + Energy Project
Payton Wilkins, Coalition of Black Trade Unionists
Todd Tanner, Conservation Hawks
Beverly Wright, Deep South Center for Environmental Justice
Jamie Rappaport Clark, Defenders of Wildlife
Andrea Yodsampa, DEPLOY/US
Abbie Dillenm Earthjustice
Meighen Speiser, ecoAmerica
Fred Krupp, Environmental Defense Fund
Richard Moore, Environmental Justice Health Alliance
Rev. Mitch Hescox, Evangelical Environmental Network
Erich Pica, Friends of the Earth
Ruth Ann Norton, Green and Healthy Homes Initiative
Ambrose Carroll, Green the Earth
Rev. Fletcher Harper, GreenFaith
Mark Magaña, Green Latinos
Colette Pichon Battle, Gulf Coast Center for Law & Policy
Bernadette Demientieff, Gwich'in Steering Committee
Gary Cohen, Health Care Without Harm
Tom Goldtooth, Indigenous Environmental Network
Rev. Susan Hendershot, Interfaith Power & Light
Burt Lauderdale, Kentuckians for the Commonwealth
Xochitl Covarrubias, Labor Council for Latin American Advancement Los Angeles Chapter
Gene Karpinski, League of Conservation Voters
Dr. Mona Sarfaty, Medical Society Consortium on Climate and Health
Eartha Borer-Bell, Midwest Environmental Justice Network

Ai-jen Poo, National Domestic Workers Alliance
Cassandra Carmichael, National Religious Partnership for the Environment
Collin O'Mara, National Wildlife Federation
John Echohawk, Native American Rights Fund
Lisa Pohlmann, Natural Resources Council of Maine
Mitch Bernard, National Resources Defense Council
Korina Barry, NDN Collective
Nathaniel Smith, Partnership for Southern Equity
Dany Sigwalt, Power Shift Network
Melissa Gavin, RE-AMP Network
Bob Inglis RepublicEN
Lorette Picciano, Rural Coalition
Michael Brune, Sierra Club
Varshini Prakash, Sunrise Movement
Juan Parras, Texas Environmental Justice Advocacy Services
Diane Regas, The Trust for Public Land
Jamie Williams, The Wilderness Society
Whit Fosburgh, Theodore Roosevelt Conservation Partnership
Chris Wood, Trout Unlimited
Kathleen Rest, Union of Concerned Scientists
Thomas M. Conway, United Steelworkers
Keya Chatterjee, US Climate Action Network
Mahesh Ramanujam, US Green Building Council
Peggy Shepard, WE ACT for Environmental Justice
Maurice Mitchell, Working Families Party
George Behrakis, Young Conservatives for Carbon Dividends
Tori Goebel, Young Evangelicals for Climate Action
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Sent: 8/20/2021 1:31:08 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
CC: Hiltonkelley5011 Ex. 6 pamela@akaction.org; Viola Waghiyi [vi@akaction.org]; miya@apen4ej.org; LaTricea Adams [president@blackmillennials4flint.org]; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 ; nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 Beverly Wright [beverlyw@dscej.org]; moniqueh@dscej.org; mroberts [mroberts@comingcleaninc.org]; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigar Ex. 6 jnwomack1 Ex. 6 ; Angelo Logan [alogan@oxy.edu]; tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin [poder.austin Ex. 6 ; mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 ; swilson2 [swilson2@umd.edu]; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ; ktegland51 Ex. 6 Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter Ex. 6 ; Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; Laura Sullivan [lsulliva@kettering.edu]; fstebb01@baker.edu; nayyirah.shariff Ex. 6 etmflint Ex. 6 eyvonlewis Ex. 6 lrey52 Ex. 6 mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj Ex. 6 drmiller1225 Ex. 6 monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno Ex. 6 t_landrum05 Ex. 6 nicholas.leonard@glelc.org; eini@miunited.org; vm1962 Ex. 6 dlqueentyree100 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 pmohai@umich.edu; Salah.Ali215 Ex. 6 simonesagovac Ex. 6 jonwenu14 Ex. 6 Orr, Jeremy [jorr@nrdc.org]; cpyd442 Ex. 6 Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Lewis, Sheila [Lewis.Sheila@epa.gov]; Tejada, Matthew [Tejada.Matthew@epa.gov]; Abrahamian, Tanya [abrahamian.tanya@epa.gov]; Donez, Francisco [Donez.Francisco@epa.gov]

Subject: Canceled: Environmental Justice Leaders Monthly Engagement Call
Location: Ex. 6

Start: 6/16/2021 6:00:00 PM
End: 6/16/2021 7:30:00 PM
Show Time As: Free

Importance: High

Recurrence: Monthly
the third Wednesday of every 1 month(s) from 2:00 PM to 3:30 PM
Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni
Optional Attendees: Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org;

kwasserman@lvejo.org; ejcoalition.michigan[Ex. 6]jnwomack1[Ex. 6]alogan@oxy.edu; tljslc[Ex. 6] AliM@nwf.org; newalphacdc[Ex. 6] Leownaconsulting[Ex. 6] huy@opalpdx.org; poder.austin[Ex. 6] mychaljohnson[Ex. 6] jinewmexico[Ex. 6] Ana.parras[Ex. 6] parras.juan[Ex. 6]; Harambee[Ex. 6]; swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa[Ex. 6]; interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchell[Ex. 6] vmiller-travis@metgroup.com; ktegland[Ex. 6] ktegland51[Ex. 6] Fine, Philip; caitlin.weact[Ex. 6] Programs@blackmillennials4flint.org; Carlton Poindexter; Efron, Brent; Robinson, Victoria; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff[Ex. 6] etmflint[Ex. 6] eyvonlewis[Ex. 6] lrey52[Ex. 6] mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj[Ex. 6] drmiller1225[Ex. 6] monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smordund[Ex. 6]; t_landrum05[Ex. 6] nicholas.leonard@glelc.org; eini@miunited.org; vm1962[Ex. 6] dlqueentyree100[Ex. 6] communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy[Ex. 6] pmohai@umich.edu; Salah.Ali215[Ex. 6] simonesagovac[Ex. 6] jonwenu14[Ex. 6] jorr@nrdc.org; cpyd442[Ex. 6]; Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra; Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica; McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan; shimekia@soulardarity.com; Lewis, Sheila; Tejada, Matthew; Abrahamian, Tanya; Donez, Francisco

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(US East)
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Appointment

From: Levy, Maxwell [Levy.Maxwell@epa.gov]
Sent: 8/20/2021 1:31:08 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
CC: Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter Ex. 6 Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff Ex. 6 etmflint Ex. 6 eyvonlewis Ex. 6 mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cll Ex. 6 drmiller1225 Ex. 6 monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno Ex. 6 t_landrum05 Ex. 6 nicholas.leonard@glelc.org; eini@miunited.org; vm1962 Ex. 6 dlqueentyree100 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 pmohai@umich.edu; Salah.Ali215@gmail.com; simonesagovac Ex. 6 jonwenu14 Ex. 6 jorr@nrdc.org; cpyd442 Ex. 6 ; Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Lewis, Sheila [Lewis.Sheila@epa.gov]; Tejada, Matthew [Tejada.Matthew@epa.gov]; Abrahamian, Tanya [abrahamian.tanya@epa.gov]; lrey52 Ex. 6

Subject: Environmental Justice Leaders Monthly Engagement Call
Attachments: Untitled Attachment; Untitled Attachment
Location: Ex. 6

Start: 6/16/2021 6:00:00 PM
End: 6/16/2021 7:30:00 PM
Show Time As: Tentative

Recurrence: Monthly
Occurs every month on the third Wednesday of the month from 2:00 PM to 3:30 PM effective 6/16/2021 until 6/16/2022.
Required Attendees: Levy, Maxwell; Enobakhare, Rosemary; Cortez Russell, Loni
Optional Attendees: Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org;

poder.austin[Ex. 6] mychaljohnson[Ex. 6] jinewmexico[Ex. 6] Ana.parras[Ex. 6] parras.juan[Ex. 6] Harambee[Ex. 6] swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa[Ex. 6]; interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchell[Ex. 6] vmiller-travis@metgroup.com; ktegland[Ex. 6]; ktegland51[Ex. 6] Fine, Philip; caitlin.weact[Ex. 6] Programs@blackmillennials4flint.org; Carlton Poindexter; Efron, Brent; Robinson, Victoria; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff[Ex. 6] etmflint[Ex. 6] eyvonlewis[Ex. 6] lrey52[Ex. 6] mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj[Ex. 6] drmiller1225[Ex. 6] monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smordund[Ex. 6] t_landrum05[Ex. 6]; nicholas.leonard@glelc.org; eini@miunited.org; vm1962[Ex. 6]; dlqueentyree100[Ex. 6] communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy[Ex. 6] pmohai@umich.edu; Salah.Ali215[Ex. 6] simonesagovac[Ex. 6]; jonwenu14[Ex. 6] jorr@nrdc.org; cpyd442[Ex. 6] Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra; Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica; McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan; shimekia@soulardarity.com; Lewis, Sheila; Tejada, Matthew; Abrahamian, Tanya

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Appointment

To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]

CC: Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchel Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter [carltonpoindexter Ex. 6]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; eyvonlewis Ex. 6 azuccaro@latinxflint.org; brownr23@msu.edu; cllj Ex. 6 drmiller1225 Ex. 6 donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; smorduno Ex. 6 t_landrum05 Ex. 6 nicholas.leonard@glelc.org; vm1962 Ex. 6 dlqueentyree100 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 Salah.Ali215 Ex. 6 simonesagovac Ex. 6 jonwenu14 Ex. 6 cpyd442 Ex. 6 Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Lewis, Sheila [Lewis.Sheila@epa.gov]; Abrahamian, Tanya [abrahamian.tanya@epa.gov]; beverlyw@dscej.org; Efron, Brent [Efron.Brent@epa.gov]; monica@wethepeopleofdetroit.com; eini@miunited.org; mvillarreal@miunited.org; nayyirah.shariff@gmail.com; drj@empower4people.org; pmohai@umich.edu; jorr@nrdc.org; Tejada, Matthew [Tejada.Matthew@epa.gov]; etmflint Ex. 6 lrey52 Ex. 6

Start: 11/17/2021 7:00:00 PM
End: 11/17/2021 8:30:00 PM

Recurrence: (none)

Required Attendees: Russell, Loni; Enobakhare, Rosemary

Optional Attendees: beverlyw@dscej.org; Efron, Brent; monica@wethepeopleofdetroit.com; eini@miunited.org; mvillarreal@miunited.org; nayyirah.shariff Ex. 6 lrey52 Ex. 6 drj@empower4people.org; pmohai@umich.edu; jorr@nrdc.org; Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter; Robinson, Victoria; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; etmflint Ex. 6

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drmiller1225[Ex. 6] donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org;
smorduno[Ex. 6] t_landrum05[Ex. 6] nicholas.leonard@glelc.org; vm1962[Ex. 6]
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cpyd442[Ex. 6] Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra;
Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica;
McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan; shimekia@soulardarity.com

Appointment

To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]

CC: Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljsld Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter Ex. 6 ; Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff Ex. 6 etmflint Ex. 6 eyvonlewis Ex. 6 mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj Ex. 6 drmiller1225 Ex. 6 monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno Ex. 6 t_landrum05 Ex. 6 nicholas.leonard@glelc.org; eini@miunited.org; vm1962 Ex. 6 dlqueentyree100 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 pmohai@umich.edu; Salah.Ali215 Ex. 6 simonesagovac Ex. 6 jonwenu14 Ex. 6 jorr@nrdc.org; cpyd442 Ex. 6 Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Lewis, Sheila [Lewis.Sheila@epa.gov]; Tejada, Matthew [Tejada.Matthew@epa.gov]; Abrahamian, Tanya [abrahamian.tanya@epa.gov]; lrey52 Ex. 6 vmiller-travis@metgroup.com

Start: 10/20/2021 6:00:00 PM
End: 10/20/2021 7:30:00 PM

Recurrence: (none)

Appointment

From: Levy, Maxwell [Levy.Maxwell@epa.gov]
Sent: 8/20/2021 1:31:08 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
CC: Hiltonkelley5011[Ex. 6] pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition[Ex. 6]; newbian8[Ex. 6] nsheats@tesu.edu; blauderdale[Ex. 6] dmolina@cbecal.org; beverlylwright[Ex. 6] beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51[Ex. 6] ientomg[Ex. 6] jose.bravo.jta[Ex. 6]; jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan[Ex. 6] jnwomack1[Ex. 6] alogan@oxy.edu; tljslc[Ex. 6]; AliM@nwf.org; newalphacdc[Ex. 6] Leownaconsulting[Ex. 6] huy@opalpdx.org; poder.austin[Ex. 6]; mychaljohnson[Ex. 6] jinewmexico[Ex. 6]; Ana.parras[Ex. 6] parras.juan[Ex. 6]; Harambee[Ex. 6] swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa[Ex. 6] interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchell[Ex. 6] vmiller-travis@metgroup.com; ktegland[Ex. 6] ktegland51[Ex. 6] Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact[Ex. 6] Programs@blackmillennials4flint.org; Carlton Poindexter[Ex. 6] Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff[Ex. 6] etmflint[Ex. 6] eyvonlewis[Ex. 6] mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj[Ex. 6]; drmiller1225[Ex. 6] monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno[Ex. 6] t_landrum05[Ex. 6] nicholas.leonard@glelc.org; eini@miunited.org; vm1962[Ex. 6] dlqueentyree100[Ex. 6] communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy[Ex. 6] pmohai@umich.edu; Salah.Ali215[Ex. 6] simonesagovac[Ex. 6] jonwenu14[Ex. 6]; jorr@nrdc.org; cpyd442[Ex. 6] Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Lewis, Sheila [Lewis.Sheila@epa.gov]; Tejada, Matthew [Tejada.Matthew@epa.gov]; Abrahamian, Tanya [abrahamian.tanya@epa.gov]; Donez, Francisco [Donez.Francisco@epa.gov]; lrey52[Ex. 6]

Subject: Environmental Justice Leaders Monthly Engagement Call
Attachments: Untitled Attachment
Location: [Ex. 6]

Start: 6/16/2021 6:00:00 PM
End: 6/16/2021 7:30:00 PM
Show Time As: Tentative

Recurrence: Monthly
Occurs every month on the third Wednesday of the month from 2:00 PM to 3:30 PM effective 6/16/2021 until 6/16/2022.
Required Attendees: Levy, Maxwell; Enobakhare, Rosemary; Cortez Russell, Loni
Optional Attendees: Hiltonkelley5011[Ex. 6] pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition[Ex. 6]; newbian8[Ex. 6] nsheats@tesu.edu; blauderdale[Ex. 6] dmolina@cbecal.org; beverlylwright[Ex. 6] beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51[Ex. 6] ientomg[Ex. 6] jose.bravo.jta[Ex. 6] jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan[Ex. 6] jnwomack1[Ex. 6] alogan@oxy.edu;

tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter; Efron, Brent; Robinson, Victoria; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff Ex. 6 etmflint Ex. 6 eyvonlewis Ex. 6 lrey52 Ex. 6 mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj Ex. 6 drmiller1225 Ex. 6 monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smordund Ex. 6 t_landrum05 Ex. 6 nicholas.leonard@glelc.org; eini@miunited.org; vm1962 Ex. 6 dlqueentyree100 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 pmohai@umich.edu; Salah.Ali215 Ex. 6 simonesagovac Ex. 6 jonwenu14 Ex. 6 jorr@nrdc.org; cpyd442 Ex. 6 Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra; Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica; McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan; shimekia@soulardarity.com; Lewis, Sheila; Tejada, Matthew; Abrahamian, Tanya; Donez, Francisco

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Ex. 6 (US West)
(US East)
Meeting ID: Ex. 6

To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]

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Start: 11/17/2021 7:00:00 PM
End: 11/17/2021 8:30:00 PM

Recurrence: (none)

Required Attendees: Russell, Loni; Enobakhare, Rosemary

Optional Attendees: beverlyw@dscej.org; Efron, Brent; monica@wethepeopleofdetroit.com; eini@miunited.org; mvillarreal@miunited.org; nayyirah.shariff[Ex. 6] lrey52[Ex. 6] drj@empower4people.org; pmohai@umich.edu; jorr@nrdc.org; Hiltonkelley5011[Ex. 6] pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition[Ex. 6] newbian8[Ex. 6] nsheats@tesu.edu; blauderdale[Ex. 6] dmolina@cbecal.org; beverlylwright[Ex. 6] moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51[Ex. 6] ientomg[Ex. 6] jose.bravo.jta[Ex. 6] jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan[Ex. 6] jnwomack1[Ex. 6] alogan@oxy.edu; tljslc[Ex. 6] AliM@nwf.org; newalphacdc[Ex. 6] Leownaconsulting[Ex. 6] huy@opalpdx.org; poder.austin[Ex. 6] mychaljohnson[Ex. 6] jinewmexico[Ex. 6] Ana.parras[Ex. 6] parras.juan[Ex. 6] Harambee[Ex. 6] swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa[Ex. 6] interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchel[Ex. 6]; vmiller-travis@metgroup.com; ktegland[Ex. 6] ktegland51[Ex. 6] Fine, Philip; caitlin.weact[Ex. 6] Programs@blackmillennials4flint.org; Carlton Poindexter; Robinson, Victoria;

mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; etmflint[Ex. 6]
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cpyd442[Ex. 6]; Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra;
Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica;
McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan; shimekia@soulardarity.com

Appointment

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Sent: 8/20/2021 1:31:08 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
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Subject: Environmental Justice Leaders Monthly Engagement Call
Attachments: Untitled Attachment
Location: [Ex. 6]

Start: 6/16/2021 6:00:00 PM
End: 6/16/2021 7:30:00 PM
Show Time As: Tentative

Recurrence: Monthly
Occurs every month on the third Wednesday of the month from 2:00 PM to 3:30 PM effective 6/16/2021 until 6/16/2022.
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Sent: 8/20/2021 1:31:08 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
CC: Hiltonkelley5011 [Ex. 6]; pamela@akaction.org; Viola Waghiyi [vi@akaction.org]; miya@apen4ej.org; LaTricea Adams [president@blackmillennials4flint.org]; glinon@caleja.org; CEJCoalition [Ex. 6]; newbian8 [Ex. 6]; nsheats@tesu.edu; blauderdale [Ex. 6]; dmolina@cbecal.org; beverlylwright [Ex. 6]; Beverly Wright [beverlyw@dscej.org]; moniqueh@dscej.org; mroberts [mroberts@comingcleaninc.org]; DianeT@environmentalhealth.org; djwil51 [Ex. 6]; ientomg [Ex. 6]; jose.bravo.jta [Ex. 6]; jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan [Ex. 6]; jnwomack1 [Ex. 6]; Angelo Logan [alogan@oxy.edu]; tljsld [Ex. 6]; AliM@nwf.org; newalphacdc [Ex. 6]; Leownaconsulting [Ex. 6]; huy@opalpdx.org; poder.austin [Ex. 6]; mychaljohnson [Ex. 6]; jinewmexico [Ex. 6]; Ana.parras [Ex. 6]; parras.juan [Ex. 6]; Harambee [Ex. 6]; swilson2 [swilson2@umd.edu]; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa [Ex. 6]; interfaith.earth [Ex. 6]; drrobertbullard [Ex. 6]; scharoldmitchell [Ex. 6]; vmiller-travis@metgroup.com; ktegland [Ex. 6]; ktegland51 [Ex. 6]; Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact [Ex. 6]; Programs@blackmillennials4flint.org; Carlton Poindexter [Ex. 6]; Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; Laura Sullivan [lsulliva@kettering.edu]; fstebb01@baker.edu; nayyirah.shariff [Ex. 6]; etmflint [Ex. 6]; eyvonlewis [Ex. 6]; lrey52 [Ex. 6]; mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj [Ex. 6]; drmiller1225 [Ex. 6]; monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno [Ex. 6]; t_landrum05 [Ex. 6]; nicholas.leonard@glelc.org; eini@miunited.org; vm1962 [Ex. 6]; dlqueentyree100 [Ex. 6]; communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy [Ex. 6]; pmohai@umich.edu; Salah.Ali215 [Ex. 6]; simonesagovac [Ex. 6]; jonwenu14 [Ex. 6]; Orr, Jeremy [jorr@nrdc.org]; cpyd442 [Ex. 6]; Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Lewis, Sheila [Lewis.Sheila@epa.gov]; Tejada, Matthew [Tejada.Matthew@epa.gov]; Abrahamian, Tanya [abrahamian.tanya@epa.gov]; Donez, Francisco [Donez.Francisco@epa.gov]

Subject: Canceled: Environmental Justice Leaders Monthly Engagement Call
Attachments: Untitled Attachment
Location: [Ex. 6]

Start: 6/16/2021 6:00:00 PM
End: 6/16/2021 7:30:00 PM
Show Time As: Free

Importance: High

Recurrence: Monthly
the third Wednesday of every 1 month(s) from 2:00 PM to 3:30 PM
Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni
Optional Attendees: Hiltonkelley5011 [Ex. 6]; pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition [Ex. 6]; newbian8 [Ex. 6]; nsheats@tesu.edu; blauderdale [Ex. 6]; dmolina@cbecal.org; beverlylwright [Ex. 6]; beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org;

djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljsld Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter; Efron, Brent; Robinson, Victoria; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff Ex. 6 etmflint Ex. 6 eyvonlewis Ex. 6 lrey52 Ex. 6 mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj Ex. 6 drmiller1225 Ex. 6 monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno Ex. 6 t_landrum05 Ex. 6 nicholas.leonard@glelc.org; eini@miunited.org; vm1962 Ex. 6 dlqueentyree100 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 pmohai@umich.edu; Salah.Ali215 Ex. 6 simonesagovac Ex. 6 jonwenu14 Ex. 6 jorr@nrdc.org; cpyd442 Ex. 6 Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra; Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica; McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan; shimekia@soulardarity.com; Lewis, Sheila; Tejada, Matthew; Abrahamian, Tanya; Donez, Francisco

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Join by H.323
Ex. 6 (US West)
(US East)
Meeting ID: Ex. 6

Appointment

From: Levy, Maxwell [Levy.Maxwell@epa.gov]
Sent: 8/20/2021 1:31:08 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
CC: Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter Ex. 6; Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff Ex. 6 etmflint Ex. 6 eyvonlewis Ex. 6 mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj Ex. 6 drmiller1225 Ex. 6 monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno Ex. 6 t_landrum05 Ex. 6 nicholas.leonard@glelc.org; eini@miunited.org; vm1962 Ex. 6 dlqueentyree100 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 pmohai@umich.edu; Salah.Ali215 Ex. 6 simonesagovac Ex. 6 jonwenu14 Ex. 6 jorr@nrdc.org; cpyd442 Ex. 6 Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Lewis, Sheila [Lewis.Sheila@epa.gov]; Tejada, Matthew [Tejada.Matthew@epa.gov]; Abrahamian, Tanya [abrahamian.tanya@epa.gov]; Donez, Francisco [Donez.Francisco@epa.gov]; lrey52 Ex. 6

Subject: Environmental Justice Leaders Monthly Engagement Call
Attachments: Untitled Attachment; Untitled Attachment
Location: Ex. 6

Start: 6/16/2021 6:00:00 PM
End: 6/16/2021 7:30:00 PM
Show Time As: Tentative

Recurrence: Monthly
Occurs every month on the third Wednesday of the month from 2:00 PM to 3:30 PM effective 6/16/2021 until 6/16/2022.
Required Attendees: Levy, Maxwell; Enobakhare, Rosemary; Cortez Russell, Loni
Optional Attendees: Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu;

tljslc[Ex. 6] AliM@nwf.org; newalphacdc[Ex. 6] Leownaconsulting[Ex. 6] huy@opalpdx.org; poder.austin[Ex. 6] mychaljohnson[Ex. 6]; jinewmexico[Ex. 6] Ana.parras[Ex. 6] parras.juan[Ex. 6] Harambee[Ex. 6] swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa[Ex. 6] interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchell[Ex. 6] vmiller-travis@metgroup.com; ktegland[Ex. 6] ktegland51[Ex. 6] Fine, Philip; caitlin.weact[Ex. 6] Programs@blackmillennials4flint.org; Carlton Poindexter; Efron, Brent; Robinson, Victoria; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff[Ex. 6] etmflint[Ex. 6] eyvonlewis[Ex. 6] lrey52[Ex. 6] mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj[Ex. 6] drmiller1225[Ex. 6] monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno[Ex. 6] t_landrum05[Ex. 6]; nicholas.leonard@glelc.org; eini@miunited.org; vm1962[Ex. 6]; dlqueentyree100[Ex. 6] communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy[Ex. 6] pmohai@umich.edu; Salah.Ali215[Ex. 6] simonesagovac[Ex. 6] jonwenu14[Ex. 6] jorr@nrdc.org; cpyd442[Ex. 6]; Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra; Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica; McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan; shimekia@soulardarity.com; Lewis, Sheila; Tejada, Matthew; Abrahamian, Tanya; Donez, Francisco

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Appointment

To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]

CC: Hiltonkelley5011 [Ex. 6]; pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition [Ex. 6]; newbian8 [Ex. 6]; nsheats@tesu.edu; blauderdale [Ex. 6]; dmolina@cbecal.org; beverlylwright [Ex. 6]; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 [Ex. 6]; ientomg [Ex. 6]; jose.bravo.jta [Ex. 6]; jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan [Ex. 6]; jnwomack1 [Ex. 6]; alogan@oxy.edu; tljslc@gmail.com; AliM@nwf.org; newalphacdc [Ex. 6]; Leownaconsulting [Ex. 6]; huy@opalpdx.org; poder.austin [Ex. 6]; mychaljohnson [Ex. 6]; jinewmexico [Ex. 6]; Ana.parras [Ex. 6]; parras.juan [Ex. 6]; Harambee [Ex. 6]; swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa [Ex. 6]; interfaith.earth [Ex. 6]; drrobertbullard [Ex. 6]; scharoldmitchell [Ex. 6]; vmiller-travis@metgroup.com; ktegland [Ex. 6]; ktegland51 [Ex. 6]; Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact [Ex. 6]; Programs@blackmillennials4flint.org; Carlton Poindexter [Ex. 6]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; eyvonlewis [Ex. 6]; azuccaro@latinxflint.org; brownr23@msu.edu; cll [Ex. 6]; drmiller1225 [Ex. 6]; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; smorduno [Ex. 6]; t_landrum05 [Ex. 6]; nicholas.leonard@glelc.org; vm1962 [Ex. 6]; dlqueentyree100 [Ex. 6]; communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy [Ex. 6]; Salah.Ali215 [Ex. 6]; simonesagovac [Ex. 6]; jonwenu14 [Ex. 6]; cpyd442 [Ex. 6]; Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Lewis, Sheila [Lewis.Sheila@epa.gov]; Abrahamian, Tanya [abrahamian.tanya@epa.gov]; Donez, Francisco [Donez.Francisco@epa.gov]; beverlyw@dscej.org; Efron, Brent [Efron.Brent@epa.gov]; monica@wethepeopleofdetroit.com; eini@miunited.org; mvillarreal@miunited.org; nayyirah.shariff [Ex. 6]; drj@empower4people.org; pmohai@umich.edu; jorr@nrdc.org; Tejada, Matthew [Tejada.Matthew@epa.gov]; etmflint [Ex. 6]; lrey52 [Ex. 6]

Start: 11/17/2021 7:00:00 PM
End: 11/17/2021 8:30:00 PM

Recurrence: (none)

Required Attendees: Russell, Loni; Enobakhare, Rosemary

Optional Attendees: beverlyw@dscej.org; Efron, Brent; monica@wethepeopleofdetroit.com; eini@miunited.org; mvillarreal@miunited.org; nayyirah.shariff [Ex. 6]; lrey52 [Ex. 6]; drj@empower4people.org; pmohai@umich.edu; jorr@nrdc.org; Hiltonkelley5011 [Ex. 6]; pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition [Ex. 6]; newbian8 [Ex. 6]; nsheats@tesu.edu; blauderdale [Ex. 6]; dmolina@cbecal.org; beverlylwright [Ex. 6]; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 [Ex. 6]; ientomg [Ex. 6]; jose.bravo.jta [Ex. 6]; jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan [Ex. 6]; jnwomack1 [Ex. 6]; alogan@oxy.edu; tljslc [Ex. 6]; AliM@nwf.org; newalphacdc [Ex. 6]; Leownaconsulting [Ex. 6]; huy@opalpdx.org; poder.austin [Ex. 6]; mychaljohnson [Ex. 6]; jinewmexico [Ex. 6]; Ana.parras [Ex. 6]; parras.juan [Ex. 6]; Harambee [Ex. 6]; swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa [Ex. 6]; interfaith.earth [Ex. 6]; drrobertbullard [Ex. 6]; scharoldmitchell [Ex. 6]; vmiller-travis@metgroup.com; ktegland [Ex. 6]; ktegland51 [Ex. 6]; Fine, Philip; caitlin.weact [Ex. 6]; Programs@blackmillennials4flint.org; Carlton Poindexter; Robinson, Victoria;

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cpyd442[Ex. 6]Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra;
Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica;
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Appointment

To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]

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Start: 10/20/2021 6:00:00 PM
End: 10/20/2021 7:30:00 PM

Recurrence: (none)

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Appointment

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(KABC-TV) [Miami.X.Abdulal@abc.com]; Florea, Elena@ARB [Elena.Florea@arb.ca.gov]; +1240475 Ex. 6 +1734476 Ex. 6 +1720354 Ex. 6 (2); +141570 Ex. 6 (1); Vermeulen, Luke [vermeulen.luke@epa.gov]; +1916326 Ex. 6 teamsvisitor:8e9e68b63b5c47e881bb3bafd4da5f6c; +1503752 Ex. 6 Cynthia Pinto-cabrera [Cynthia.Pinto-cabrera@du.edu]; Kevin Vincent [KevinVincent@lucidmotors.com]; Randi Wallach [rwallach@baaqmd.gov]; teamsvisitor:9a2f98f0de1c4359b7c770666bf6c081; Watson, Dustin (ECY) [DUWA461@ECY.WA.GOV]; teamsvisitor:a7a0077f6dcf4e4186c07dfa750e2637; +1406671 Ex. 6 (2); teamsvisitor:b53207f8daac42b788412e89694675bc; Shepardson, David (Reuters) [David.Shepardson@thomsonreuters.com]; +1408483 Ex. 6 (1); +1406671 Ex. 6 (3); +152064 Ex. 6 (2); +1954482 Ex. 6 1); +1702428 Ex. 6 2); +1214771 Ex. 6 (2); teamsvisitor:7bac258a6e1d443c81b852e640d21380; teamsvisitor:8f92b99dc4dd4162a3aa233bf64101e1; teamsvisitor:437737029ef94a49946cc305c1021487; teamsvisitor:b62f3f1743a3437f882aab3184879011; Matthew Hinsley [matthew_hinsley@ahm.honda.com]; teamsvisitor:5b5f1d808a0f484d88b7190b1e1ee2c2; +1775790 Ex. 6 (2); teamsvisitor:ac1bdc4f6ca74995b762111f3399f298; teamsvisitor:07ee0d30e2ba4891a2fe326557afb44a; Jenna Riemenschneider [JennaR@aafa.org]; +1415706 Ex. 6 (2); Koenig, Jack@ARB [jack.koenig@arb.ca.gov]; Mead, Kathleen@ARB [kathleen.mead@arb.ca.gov]; teamsvisitor:4d873983bd374b258e5af6c16d444d79; +1415310 Ex. 6 Julie Kimmel [jkimmel@edf.org]; +1719216 Ex. 6 (2); teamsvisitor:4e711a13983a402992819292c72d8fc5; Anjali Bains [bains@fresh-energy.org]; +1717497 Ex. 6 teamsvisitor:44bee7839fa642aca61accfd97501d16; +1813549 Ex. 6 (1); +1919824 Ex. 6 +1814590 Ex. 6 (1); teamsvisitor:6afa4242ebc84134826ac2905ebcba3e; +1832242 Ex. 6 Katherine Garcia (Guest) [katherine.garcia@sierraclub.org]; +1720327 Ex. 6 teamsvisitor:3bda3b76f6544970a45cf79aaf75f987; +1813549 Ex. 6 (2); teamsvisitor:f455c6cd6ce849649a8c74eacf929939; teamsvisitor:be42647a3dec4bea971416bf7046d9a7; teamsvisitor:84c0c19dc5a8493194df2c787b4b8894; teamsvisitor:76234c91847544898ccc96124754bc3d; +1406223 Ex. 6 teamsvisitor:254505e16ed24369afecaa1f2669b480; +1608395 Ex. 6 2); teamsvisitor:bb1e552f4f48468390d0cdfee9f5f520; teamsvisitor:68ab4516e5da4dfb871cdcb0cc23e4e6; teamsvisitor:79a9c8a39e5f4b0a8294740ff2e70afd; Jo Olson [olson@fresh-energy.org]; +1813549 Ex. 6 (3); Carson A. Tomcik [CarsonTomcik@marssd.onmicrosoft.com]; +1734635 Ex. 6 +1650477 Ex. 6 1); teamsvisitor:28e215f08c5f4a1880762bc04ae6d5f5; +1310752 Ex. 6 +1650477 Ex. 6 (2); +1678953 Ex. 6 teamsvisitor:7c5e4c68401c460aa5f0aa2d923f0eba; teamsvisitor:54087336b9a9474dbeec4ce05955b0c1; teamsvisitor:6079309abe8d47659e8cd80d24d82c58; Daly, Matthew [MDaly@ap.org]; Moltzen, Michael [Moltzen.Michael@epa.gov]; Mroz, Jessica [mroz.jessica@epa.gov]; +1954482 Ex. 6 (2); +1949375 Ex. 6 +1559341 Ex. 6 (4); +1814590 Ex. 6 (2); +1408483 Ex. 6 (2); +1415706 Ex. 6 (3); +1641236 Ex. 6 +1406671 Ex. 6 (4); +1404435 Ex. 6 (4); +1360764 Ex. 6 +1979219 Ex. 6 +1415894 Ex. 6 +1916217 Ex. 6 +1203343 Ex. 6 +1404310 Ex. 6 (3); +1559341 Ex. 6 (5); +1213367 Ex. 6 +1608395 Ex. 6 (3); +1404435 Ex. 6 (5); +1954482 Ex. 6 (3); Barbara Bauer [Barbara_Bauer@abtassoc.com]; teamsvisitor:90b1e6dd2a9d4ff3a362a53ecc81af48; teamsvisitor:5d3cd20a16b341feab02fe50b92ec814; Alice Henderson [ahenderson@edf.org]; +1202545 Ex. 6

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Subject: Meeting (ScheduledMeeting)/Thread Id: Ex. 6 Ex. 6 (1),+1781267 Ex. 6 +1734417 Ex. 6 +1818429 Ex. 6 +1559341 Ex. 6 (1),+1202460 Ex. 6 Jeanne Goodm...

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End: 6/2/2021 8:15:08 PM
Show Time As: Busy

Recurrence: (none)

Required Attendees: (unknown property type)

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[6/2/2021 5:32:54 PM (UTC)] teamsvisitor:9d89ec95372a44ae803d3720a16d3b31 joined.
[6/2/2021 7:15:19 PM (UTC)] teamsvisitor:9d89ec95372a44ae803d3720a16d3b31 left.
[6/2/2021 5:45:43 PM (UTC)] Application 9e133cac-5238-4d1e-aaa0-d8ff4ca23f4e joined.
[6/2/2021 5:59:07 PM (UTC)] Application 9e133cac-5238-4d1e-aaa0-d8ff4ca23f4e left.
[6/2/2021 12:43:53 PM (UTC)] Moltzen.Michael@epa.gov joined.
[6/2/2021 6:00:22 PM (UTC)] Moltzen.Michael@epa.gov left.
[6/2/2021 6:12:55 PM (UTC)] Application 9e133cac-5238-4d1e-aaa0-d8ff4ca23f4e joined.
[6/2/2021 6:30:35 PM (UTC)] Application 9e133cac-5238-4d1e-aaa0-d8ff4ca23f4e left.
[6/2/2021 7:19:12 PM (UTC)] teamsvisitor:ae90e717f7f74cbfb78e4ad783027cd9 joined.
[6/2/2021 7:22:47 PM (UTC)] teamsvisitor:ae90e717f7f74cbfb78e4ad783027cd9 left.
[6/2/2021 7:15:53 PM (UTC)] rachel.sakata@deq.state.or.us joined.
[6/2/2021 7:19:49 PM (UTC)] rachel.sakata@deq.state.or.us left.
[6/2/2021 7:10:41 PM (UTC)] kathleen.mead@arb.ca.gov joined.
[6/2/2021 8:14:13 PM (UTC)] kathleen.mead@arb.ca.gov left.
[6/2/2021 7:10:45 PM (UTC)] Noble@fresh-energy.org joined.
[6/2/2021 7:14:01 PM (UTC)] Noble@fresh-energy.org left.
[6/2/2021 7:27:18 PM (UTC)] Application 9e133cac-5238-4d1e-aaa0-d8ff4ca23f4e joined.
[6/2/2021 7:41:22 PM (UTC)] Application 9e133cac-5238-4d1e-aaa0-d8ff4ca23f4e left.
[6/2/2021 7:53:15 PM (UTC)] DUWA461@ECY.WA.GOV joined.
[6/2/2021 8:09:10 PM (UTC)] DUWA461@ECY.WA.GOV left.
[6/2/2021 2:20:33 PM (UTC)] +1404310 Ex. 6 (2) joined.
[6/2/2021 3:00:55 PM (UTC)] +1404310 Ex. 6 (2) left.
[6/2/2021 2:20:33 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 joined.
[6/2/2021 3:00:55 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 left.
[6/2/2021 4:50:13 PM (UTC)] Valderrama.Cristina@epa.gov joined.
[6/2/2021 8:15:08 PM (UTC)] Valderrama.Cristina@epa.gov left.
[6/2/2021 1:34:45 PM (UTC)] +1703980 Ex. 6 (2) joined.
[6/2/2021 2:08:53 PM (UTC)] +1703980 Ex. 6 (2) left.
[6/2/2021 1:34:45 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 joined.
[6/2/2021 2:08:53 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 left.
[6/2/2021 3:47:37 PM (UTC)] +1678863 Ex. 6 (2) joined.
[6/2/2021 4:08:33 PM (UTC)] +1678863 Ex. 6 (2) left.
[6/2/2021 3:47:37 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 joined.
[6/2/2021 4:08:33 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 left.
[6/2/2021 7:54:36 PM (UTC)] +1678953 Ex. 6 joined.
[6/2/2021 8:15:08 PM (UTC)] +1678953 Ex. 6 left.

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[6/2/2021 7:54:36 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 joined.
[6/2/2021 8:15:08 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 left.
[6/2/2021 5:20:51 PM (UTC)] +1814590[redacted] (1) joined.
[6/2/2021 6:34:55 PM (UTC)] +1814590[redacted] (1) left.
[6/2/2021 5:20:51 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 joined.
[6/2/2021 6:34:55 PM (UTC)] Application 207a6836-d031-4764-a9d8-c1193f455f21 left.
```

Ex. 6

Appointment

From: scheduling [scheduling@epa.gov]
Sent: 8/11/2021 2:52:43 PM
To: scheduling [scheduling@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Lucey, John [Lucey.John.D@epa.gov]; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49 Ex. 6 anaranjo@ceed.org; lubber@ceres.org; Nobotw Ex. 6 barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; beverlyw@dscej.org; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico Ex. 6 mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club [michael.brune@sierraclub.org]; varshini@sunrisemovement.org; parras.juan Ex. 6 diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen [lbentzen@partnershipproject.org]; Jasmine Harrison [jharrison@partnershipproject.org]; Dan Utech [Utech.Dan@epa.gov]; Alison Cassady [Cassady.Alison@epa.gov]
CC: anleonar@greenpeace.org; bob.inglis.us Ex. 6 melissareamp Ex. 6 Rebecca Jackson [rjackson@ghhi.org]

Subject: Video-call: Environmental Leaders Roundtable
Location: Ex. 6

Start: 8/11/2021 8:30:00 PM
End: 8/11/2021 9:15:00 PM
Show Time As: Tentative

Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni; Levy, Maxwell; Lucey, John; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49 Ex. 6 anaranjo@ceed.org; lubber@ceres.org; Nobotw Ex. 6 barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; beverlyw@dscej.org; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico Ex. 6 mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club; varshini@sunrisemovement.org; parras.juan Ex. 6 diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen; Jasmine Harrison; Dan Utech; Alison Cassady; Carbonell, Tomas

Optional Attendees: anleonar@greenpeace.org; bob.inglis.us[Ex. 6]; melissareamp[Ex. 6]; Rebecca Jackson

Do not forward this invitation. Please notify scheduling@epa.gov if participant changes need to be made.

Administrator Regan (table)
John Lucey

Virtual:
Rosemary Enobakhare, OPEEE
Loni Cortez Russell, OPEEE
Tomas Carbonell, OAR
Ale Nunez, OAR
Emily Southard, 350.org
Katie Huffling, Alliance of Nurses for Healthy Environments
Dwaign Tyndal, Alerter natives for Community and Environment
Benji Backer, American Conservation Coalition
Randi Weingarten, American Federation of Teachers
Harold Wimmer, American Lung Association
Dr. Georges Benjamin, American Public Health Association
Jason Walsh, BlueGreen Alliance
Gladys Limon, California Environmental Justice Alliance
Jose Aguto, Catholic Climate Covenant
John Podesta, center for American Progress
Anahí Naranjo, Center for Earth, Energy & Democracy
Mindy Lubber, Ceres
Nsedu Obot, Children's Environmental Health Network
Dorothy Barnett, Climate + Energy Project
Payton Wilkins, Coalition of Black Trade Unionists
Todd Tanner, Conservation Hawks
Beverly Wright, Deep South Center for Environmental Justice
Jamie Rappaport Clark, Defenders of Wildlife
Andrea Yodsampa, DEPLOY/US
Abbie Dillenm Earthjustice
Meighen Speiser, ecoAmerica
Fred Krupp, Environmental Defense Fund
Richard Moore, Environmental Justice Health Alliance
Rev. Mitch Hescox, Evangelical Environmental Network
Erich Pica, Friends of the Earth
Ruth Ann Norton, Green and Healthy Homes Initiative
Ambrose Carroll, Green the Earth
Rev. Fletcher Harper, GreenFaith
Mark Magaña, Green Latinos
Annie Leonard, Greenpeace USA
Colette Pichon Battle, Gulf Coast Center for Law & Policy
Bernadette Demientieff, Gwich'in Steering Committee
Gary Cohen, Health Care Without Harm
Liz Havstad, Hip Hop Caucus
Tom Goldtooth, Indigenous Environmental Network
Rev. Susan Hendershot, Interfaith Power & Light
Burt Lauderdale, Kentuckians for the Commonwealth
Xochitl Covarrubias, Labor Council for Latin American Advancement Los Angeles Chapter

Gene Karpinski, League of Conservation Voters
Dr. Mona Sarfaty, Medical Society Consortium on Climate and Health
Eartha Borer-Bell, Midwest Environmental Justice Network
Derrick Johnson, NAACP
Ai-jen Poo, National Domestic Workers Alliance
David Dyjack, National Environmental Health Association
Cassandra Carmichael, National Religious Partnership for the Environment
Collin O'Mara, National Wildlife Federation
John Echohawk, Native American Rights Fund
Lisa Pohlmann, Natural Resources Council of Maine
Mitch Bernard, National Resources Defense Council
Korina Barry, NDN Collective
Jerry Taylor, Niskanen Center
Nathaniel Smith, Partnership for Southern Equity
Dany Sigwalt, Power Shift Network
Melissa Gavin, RE-AMP Network
Bob Inglis RepublicEN
Lorette Picciano, Rural Coalition
Mary Kay Henry, Service Employee International Union
Michael Brune, Sierra Club
Varshini Prakash, Sunrise Movement
Juan Parras, Texas Environmental Justice Advocacy Services
Diane Regas, The Trust for Public Land
Jamie Williams, The Wilderness Society
Whit Fosburgh, Theodore Roosevelt Conservation Partnership
Chris Wood, Trout Unlimited
Kathleen Rest, Union of Concerned Scientists
Thomas M. Conway, United Steelworkers
Keya Chatterjee, US Climate Action Network
Mahesh Ramanujam, US Green Building Council
Peggy Shepard, WE ACT for Environmental Justice
Maurice Mitchell, Working Families Party
George Behrakis, Young Conservatives for Carbon Dividends
Tori Goebel, Young Evangelicals for Climate Action
Laura Bentzen, The Partnership Project
Jasmine Harrison, The Partnership Project

Join ZoomGov Meeting
Ex. 6

Meeting ID: Ex. 6
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US (New York)

Dial by your location
Ex. 6 US (San Jose)
US (New York)
US (San Jose)
US

Meeting ID: Ex. 6
Find your local number: Ex. 6

Join by SIP
Ex. 6

Appointment

From: Levy, Maxwell [Levy.Maxwell@epa.gov]
Sent: 8/20/2021 1:31:08 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
CC: Hiltonkelley5011[Ex. 6] pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition[Ex. 6] newbian8[Ex. 6] nsheats@tesu.edu; blauderdale[Ex. 6] dmolina@cbecal.org; beverlylwright[Ex. 6] beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51[Ex. 6] ientomg[Ex. 6] jose.bravo.jta[Ex. 6] jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan[Ex. 6] jnwomack1[Ex. 6] alogan@oxy.edu; tljslc[Ex. 6] AliM@nwf.org; newalphacdc[Ex. 6] Leownaconsulting[Ex. 6] huy@opalpdx.org; poder.austin[Ex. 6] mychaljohnson[Ex. 6] jinewmexico[Ex. 6] Ana.parras[Ex. 6] parras.juan[Ex. 6] Harambee[Ex. 6] swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa[Ex. 6] interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchell[Ex. 6] vmiller-travis@metgroup.com; ktegland[Ex. 6] ktegland51[Ex. 6] Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact[Ex. 6] Programs@blackmillennials4flint.org; Carlton Poindexter[Ex. 6] Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.sharif[Ex. 6] etmflint[Ex. 6] eyvonlewis[Ex. 6] mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj[Ex. 6] drmiller1225[Ex. 6] monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno[Ex. 6] t_landrum05[Ex. 6] nicholas.leonard@glelc.org; eini@miunited.org; vm1962[Ex. 6] dlqueentyree100[Ex. 6] communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy[Ex. 6] pmohai@umich.edu; Salah.Ali215[Ex. 6] simonesagovac[Ex. 6] jonwenu14[Ex. 6] jorr@nrdc.org; cpyd442[Ex. 6] Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; lrey52[Ex. 6]

Subject: Environmental Justice Leaders Monthly Engagement Call
Attachments: Untitled Attachment; Untitled Attachment
Location: [Ex. 6]

Start: 6/16/2021 6:00:00 PM
End: 6/16/2021 7:30:00 PM
Show Time As: Tentative

Recurrence: Monthly
the third Wednesday of every 1 month(s) from 2:00 PM to 3:30 PM
Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni
Optional Attendees: Hiltonkelley5011[Ex. 6] pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition[Ex. 6] newbian8[Ex. 6] nsheats@tesu.edu; blauderdale[Ex. 6] dmolina@cbecal.org; beverlylwright[Ex. 6] beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51[Ex. 6] ientomg[Ex. 6] jose.bravo.jta[Ex. 6] jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan[Ex. 6] jnwomack1[Ex. 6] alogan@oxy.edu; tljslc[Ex. 6] AliM@nwf.org; newalphacdc[Ex. 6] Leownaconsulting[Ex. 6] huy@opalpdx.org; poder.austin[Ex. 6] mychaljohnson[Ex. 6] jinewmexico[Ex. 6] Ana.parras[Ex. 6] parras.juan[Ex. 6] Harambee[Ex. 6] swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org;

peggy@weact.org; Na'Taki Jelks; wera1usa[Ex. 6] interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchell[Ex. 6] vmiller-travis@metgroup.com; ktegland[Ex. 6] ktegland51[Ex. 6] Fine, Philip; caitlin.weact[Ex. 6] Programs@blackmillennials4flint.org; Carlton Poindexter; Efron, Brent; Robinson, Victoria; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff[Ex. 6] etmflint[Ex. 6] eyvonlewis[Ex. 6] lrey52[Ex. 6] mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj[Ex. 6] drmiller1225[Ex. 6] monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno[Ex. 6] t_landrum05[Ex. 6] nicholas.leonard@glelc.org; eini@miunited.org; vm1962[Ex. 6] dlqueentyree100[Ex. 6] communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy[Ex. 6] pmohai@umich.edu; Salah.Ali215[Ex. 6] simonesagovac[Ex. 6] jonwenu14[Ex. 6] jorr@nrdc.org; cpyd442[Ex. 6] Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra; Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica; McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan; shimekia@soulardarity.com

Maxwell Levy is inviting you to a scheduled ZoomGov meeting.

Join ZoomGov Meeting
Ex. 6

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Join by H.323
Ex. 6 (US West)
(US East)
Meeting ID: Ex. 6

Appointment

To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]

CC: vmiller-travis@metgroup.com; miya@apen4ej.org; lsulliva@kettering.edu; nicholas.leonard@glelc.org; huy@opalpdx.org; laprisha@dwej.org; Hiltonkelley5011[Ex. 6] pamela@akaction.org; Vi@akaction.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition[Ex. 6]; newbian8[Ex. 6] nsheats@tesu.edu; blauderdale[Ex. 6] dmolina@cbecal.org; beverlylwright[Ex. 6] beverlyw@dscej.org; moniqueh@dscej.org; DianeT@environmentalhealth.org; djwil51[Ex. 6] ientomg[Ex. 6] jose.bravo.jta[Ex. 6] jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan[Ex. 6] jnwomack1[Ex. 6] alogan@oxy.edu; tljslc[Ex. 6] AliM@nwf.org; newalphacdc[Ex. 6] Leownaconsulting[Ex. 6] poder.austin[Ex. 6]; mychaljohnson[Ex. 6]; jinewmexico[Ex. 6] Ana.parras[Ex. 6] parras.juan[Ex. 6] Harambee[Ex. 6] swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa[Ex. 6] interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchell[Ex. 6]; ktegland[Ex. 6] ktegland51[Ex. 6] Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact[Ex. 6]; Programs@blackmillennials4flint.org; Carlton Poindexter [[Ex. 6]]; Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; fstebb01@baker.edu; nayyirah.shariff[Ex. 6] etmflint[Ex. 6] eyvonlewis[Ex. 6] lrey52[Ex. 6] mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj[Ex. 6] drmiller1225[Ex. 6] monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno[Ex. 6] t_landrum05[Ex. 6]; eini@miunited.org; vm1962[Ex. 6]; dlqueentyree100[Ex. 6]; communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy[Ex. 6]; pmohai@umich.edu; Salah.Ali215[Ex. 6]; simonesagovac[Ex. 6]; jonwenu14[Ex. 6] jorr@nrdc.org; cpyd442[Ex. 6] Dana Johnson [dana@weact.org]; arif@southbronxunite.org; Ember McCoy [embermcc@umich.edu]; Schafer, Zach [Schafer.Zach@epa.gov]; Johnson, Travis [Johnson.Travis@epa.gov]; Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; shimekia@soulardarity.com; Moltzen, Michael [Moltzen.Michael@epa.gov]; Koester, Christine [koester.christine@epa.gov]; mroberts@comingcleaninc.org

Start: 8/25/2021 6:00:00 PM
End: 8/25/2021 7:30:00 PM

Recurrence: (none)

Required Attendees: Levy, Maxwell; Enobakhare, Rosemary; Cortez Russell, Loni

Optional Attendees: vmiller-travis@metgroup.com; miya@apen4ej.org; mroberts@comingcleaninc.org; lsulliva@kettering.edu; nicholas.leonard@glelc.org; huy@opalpdx.org; laprisha@dwej.org; Hiltonkelley5011[Ex. 6] pamela@akaction.org; Vi@akaction.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition[Ex. 6]; newbian8[Ex. 6]; nsheats@tesu.edu; blauderdale[Ex. 6] dmolina@cbecal.org; beverlylwright[Ex. 6]; beverlyw@dscej.org; moniqueh@dscej.org; DianeT@environmentalhealth.org; djwil51[Ex. 6]; ientomg[Ex. 6] jose.bravo.jta[Ex. 6] jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan[Ex. 6] jnwomack1[Ex. 6] alogan@oxy.edu; tljslc[Ex. 6]; AliM@nwf.org; newalphacdc[Ex. 6] Leownaconsulting[Ex. 6] poder.austin[Ex. 6]; mychaljohnson[Ex. 6]; jinewmexico[Ex. 6] Ana.parras[Ex. 6] parras.juan[Ex. 6]; Harambee[Ex. 6] swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa[Ex. 6] interfaith.earth[Ex. 6] drrobertbullard[Ex. 6] scharoldmitchell[Ex. 6]; ktegland[Ex. 6] ktegland51[Ex. 6] Fine, Philip; caitlin.weact[Ex. 6] Programs@blackmillennials4flint.org; Carlton Poindexter; Efron, Brent; Robinson, Victoria;

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Appointment

To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]

CC: Kim, Eunjung [Kim.Eun@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Epps-Price, Lena [Epps-Price.Lena@epa.gov]; Wood, Anna [Wood.Anna@epa.gov]; Ndoh, Tina [Ndoh.Tina@epa.gov]; Herbolsheimer, Courtney [herbolsheimer.courtney@epa.gov]; Cherepy, Andrea [Cherepy.Andrea@epa.gov]; Hoyt, Sarita [Hoyt.Sarita@epa.gov]; Wieder, Jessica [Wieder.Jessica@epa.gov]; McMichael, Nate [McMichael.Nate@epa.gov]; Bollerud, Erica [Bollerud.Erica@epa.gov]; Shoaff, John [Shoaff.John@epa.gov]; Lubetsky, Jonathan [Lubetsky.Jonathan@epa.gov]; Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 dmolina@cbecal.org; beverlylwright Ex. 6 beverlyw@dscej.org; moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks [nojelks@wawa-online.org]; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip [Fine.Philip@epa.gov]; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter Ex. 6 ; Efron, Brent [Efron.Brent@epa.gov]; Robinson, Victoria [Robinson.Victoria@epa.gov]; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; nayyirah.shariff Ex. 6 etmflint Ex. 6 eyvonlewis Ex. 6 lrey52 Ex. 6 mvillarreal@miunited.org; azuccaro@latinxflint.org; brownr23@msu.edu; cllj Ex. 6 drmiller1225 Ex. 6 monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; laprisha@detroitenvironmentaljustice.org; drj@empower4people.org; smorduno Ex. 6 t_landrum05 Ex. 6 nicholas.leonard@glelc.org; eini@miunited.org; vm1962 Ex. 6 dlqueentyree100 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 pmohai@umich.edu; Salah.Ali215 Ex. 6 simonesagovac Ex. 6 jonwenu14 Ex. 6 jorr@nrdc.org; cpyd442 Ex. 6 Dana Johnson [dana@weact.org]; arif@southbronxunite.org

Start: 11/17/2021 7:00:00 PM
End: 11/17/2021 8:30:00 PM

Recurrence: (none)

Required Attendees: Russell, Loni; Enobakhare, Rosemary

Optional Attendees: beverlyw@dscej.org; Efron, Brent; monica@wethepeopleofdetroit.com; eini@miunited.org; mvillarreal@miunited.org; nayyirah.shariff Ex. 6 lrey52 Ex. 6 drj@empower4people.org; pmohai@umich.edu; jorr@nrdc.org; Hiltonkelley5011 Ex. 6 pamela@akaction.org; Vi@akaction.org; miya@apen4ej.org; President@blackmillennials4flint.org; glinon@caleja.org; CEJCoalition Ex. 6 newbian8 Ex. 6 nsheats@tesu.edu; blauderdale Ex. 6 ; dmolina@cbecal.org; beverlylwright Ex. 6 moniqueh@dscej.org; mroberts@comingcleaninc.org; DianeT@environmentalhealth.org; djwil51 Ex. 6 ientomg Ex. 6 jose.bravo.jta Ex. 6 jose@just-transition.org; kwasserman@lvejo.org; ejcoalition.michigan Ex. 6 jnwomack1 Ex. 6 alogan@oxy.edu; tljslc Ex. 6 AliM@nwf.org; newalphacdc Ex. 6 Leownaconsulting Ex. 6 huy@opalpdx.org; poder.austin Ex. 6 mychaljohnson Ex. 6 jinewmexico Ex. 6 Ana.parras Ex. 6 parras.juan Ex. 6 Harambee Ex. 6 ; swilson2@umd.edu; elizabeth@uprose.org; kerene@weact.org; peggy@weact.org; Na'Taki Jelks; wera1usa Ex. 6 interfaith.earth Ex. 6 drrobertbullard Ex. 6 scharoldmitchell Ex. 6 vmiller-travis@metgroup.com; ktegland Ex. 6 ktegland51 Ex. 6 Fine, Philip; caitlin.weact Ex. 6 Programs@blackmillennials4flint.org; Carlton Poindexter; Robinson, Victoria; mmabson@earthjustice.org; lsulliva@kettering.edu; fstebb01@baker.edu; etmflint Ex. 6

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hamtrilogy[Ex. 6]Salah.Ali215[Ex. 6]; simonesagovac[Ex. 6]jonwenu14[Ex. 6]
cpyd442[Ex. 6]; Dana Johnson; arif@southbronxunite.org; Kim, Eunjung; Carbonell, Tomas; Nunez, Alejandra;
Epps-Price, Lena; Wood, Anna; Ndoh, Tina; Herbolsheimer, Courtney; Cherepy, Andrea; Hoyt, Sarita; Wieder, Jessica;
McMichael, Nate; Bollerud, Erica; Shoaff, John; Lubetsky, Jonathan

Appointment

From: scheduling [scheduling@epa.gov]
Sent: 8/11/2021 2:52:43 PM
To: scheduling [scheduling@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Lucey, John [Lucey.John.D@epa.gov]; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6] anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; Beverly Wright [beverlyw@dscej.org]; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6] mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club [michael.brune@sierraclub.org]; varshini@sunrisemovement.org; parras.juan[Ex. 6] diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen [lbentzen@partnershipproject.org]; Jasmine Harrison [jharrison@partnershipproject.org]; Utech, Dan [Utech.Dan@epa.gov]; Cassady, Alison [Cassady.Alison@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]
CC: anleonar@greenpeace.org; bob.inglis.us[Ex. 6] melissareamp[Ex. 6] Rebecca Jackson [rjackson@ghhi.org]

Subject: Video-call: Environmental Leaders Roundtable
Location: Ex. 6

Start: 8/11/2021 8:30:00 PM
End: 8/11/2021 9:30:00 PM
Show Time As: Tentative

Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni; Levy, Maxwell; Lucey, John; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6]; anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; beverlyw@dscej.org; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6]; mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club; varshini@sunrisemovement.org; parras.juan@gmail.com; diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen; Jasmine Harrison; Dan Utech; Alison Cassady; Carbonell, Tomas

Optional Attendees: anleonar@greenpeace.org; bob.inglis.us[Ex. 6] melissaream[Ex. 6] Rebecca Jackson

Do not forward this invitation. Please notify scheduling@epa.gov if participant changes need to be made.

Administrator Regan (table)
John Lucey

Virtual:
Rosemary Enobakhare, OPEEE
Loni Cortez Russell, OPEEE
Tomas Carbonell, OAR
Ale Nunez, OAR
Dan Utech, AO
Alison Cassady, AO
Emily Southard, 350.org
Katie Huffling, Alliance of Nurses for Healthy Environments
Dwaign Tyndal, Alerter natives for Community and Environment
Benji Backer, American Conservation Coalition
Randi Weingarten, American Federation of Teachers
Harold Wimmer, American Lung Association
Dr. Georges Benjamin, American Public Health Association
Jason Walsh, BlueGreen Alliance
Gladys Limon, California Environmental Justice Alliance
Jose Aguto, Catholic Climate Covenant
John Podesta, center for American Progress
Anahí Naranjo, Center for Earth, Energy & Democracy
Mindy Lubber, Ceres
Nsedu Obot, Children's Environmental Health Network
Dorothy Barnett, Climate + Energy Project
Payton Wilkins, Coalition of Black Trade Unionists
Todd Tanner, Conservation Hawks
Beverly Wright, Deep South Center for Environmental Justice
Jamie Rappaport Clark, Defenders of Wildlife
Andrea Yodsampa, DEPLOY/US
Abbie Dillenm Earthjustice
Meighen Speiser, ecoAmerica
Fred Krupp, Environmental Defense Fund
Richard Moore, Environmental Justice Health Alliance
Rev. Mitch Hescox, Evangelical Environmental Network
Erich Pica, Friends of the Earth
Ruth Ann Norton, Green and Healthy Homes Initiative
Ambrose Carroll, Green the Earth
Rev. Fletcher Harper, GreenFaith
Mark Magaña, Green Latinos
Annie Leonard, Greenpeace USA
Colette Pichon Battle, Gulf Coast Center for Law & Policy
Bernadette Demientieff, Gwich'in Steering Committee
Gary Cohen, Health Care Without Harm
Liz Havstad, Hip Hop Caucus
Tom Goldtooth, Indigenous Environmental Network
Rev. Susan Hendershot, Interfaith Power & Light

Burt Lauderdale, Kentuckians for the Commonwealth
Xochitl Covarrubias, Labor Council for Latin American Advancement Los Angeles Chapter
Gene Karpinski, League of Conservation Voters
Dr. Mona Sarfaty, Medical Society Consortium on Climate and Health
Eartha Borer-Bell, Midwest Environmental Justice Network
Derrick Johnson, NAACP
Ai-jen Poo, National Domestic Workers Alliance
David Dyjack, National Environmental Health Association
Cassandra Carmichael, National Religious Partnership for the Environment
Collin O'Mara, National Wildlife Federation
John Echohawk, Native American Rights Fund
Lisa Pohlmann, Natural Resources Council of Maine
Mitch Bernard, National Resources Defense Council
Korina Barry, NDN Collective
Jerry Taylor, Niskanen Center
Nathaniel Smith, Partnership for Southern Equity
Dany Sigwalt, Power Shift Network
Melissa Gavin, RE-AMP Network
Bob Inglis RepublicEN
Lorette Picciano, Rural Coalition
Mary Kay Henry, Service Employee International Union
Michael Brune, Sierra Club
Varshini Prakash, Sunrise Movement
Juan Parras, Texas Environmental Justice Advocacy Services
Diane Regas, The Trust for Public Land
Jamie Williams, The Wilderness Society
Whit Fosburgh, Theodore Roosevelt Conservation Partnership
Chris Wood, Trout Unlimited
Kathleen Rest, Union of Concerned Scientists
Thomas M. Conway, United Steelworkers
Keya Chatterjee, US Climate Action Network
Mahesh Ramanujam, US Green Building Council
Peggy Shepard, WE ACT for Environmental Justice
Maurice Mitchell, Working Families Party
George Behrakis, Young Conservatives for Carbon Dividends
Tori Goebel, Young Evangelicals for Climate Action
Laura Bentzen, The Partnership Project
Jasmine Harrison, The Partnership Project

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Ex. 6

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US

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Appointment

From: scheduling [scheduling@epa.gov]
Sent: 8/11/2021 2:53:40 PM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Lucey, John [Lucey.John.D@epa.gov]; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6]; anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; Beverly Wright [beverlyw@dscej.org]; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6]; mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club [michael.brune@sierraclub.org]; varshini@sunrisemovement.org; parras.juan[Ex. 6] diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen [lbentzen@partnershipproject.org]; Jasmine Harrison [jharrison@partnershipproject.org]; Utech, Dan [Utech.Dan@epa.gov]; Cassady, Alison [Cassady.Alison@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]
CC: anleonar@greenpeace.org; bob.inglis.us[Ex. 6] melissareamp[Ex. 6]; Rebecca Jackson [rjackson@ghhi.org]

Subject: Video-call: Environmental Leaders Roundtable
Location: [Ex. 6]

Start: 8/11/2021 8:30:00 PM
End: 8/11/2021 9:15:00 PM
Show Time As: Tentative

Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni; Levy, Maxwell; Lucey, John; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6]; anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; beverlyw@dscej.org; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6]; mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club; varshini@sunrisemovement.org; parras.juan[Ex. 6] diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen; Jasmine Harrison; Dan Utech; Alison Cassady; Carbonell, Tomas

Optional Attendees: anleonar@greenpeace.org; bob.inglis.us Ex. 6 melissareamp Ex. 6 Rebecca Jackson

Appointment

From: scheduling [scheduling@epa.gov]
Sent: 8/11/2021 2:52:43 PM
To: scheduling [scheduling@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Lucey, John [Lucey.John.D@epa.gov]; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6] anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; Beverly Wright [beverlyw@dscej.org]; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6]; mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club [michael.brune@sierraclub.org]; varshini@sunrisemovement.org; parras.juani[Ex. 6] diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen [lbentzen@partnershipproject.org]; Jasmine Harrison [jharrison@partnershipproject.org]; Utech, Dan [Utech.Dan@epa.gov]; Cassady, Alison [Cassady.Alison@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]
CC: anleonar@greenpeace.org; bob.inglis.us[Ex. 6]; melissareamp[Ex. 6]; Rebecca Jackson [rjackson@ghhi.org]

Subject: Video-call: Environmental Leaders Roundtable
Location: [Ex. 6]

Start: 8/11/2021 8:30:00 PM
End: 8/11/2021 9:15:00 PM
Show Time As: Busy

Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni; Levy, Maxwell; Lucey, John; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6]; anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; beverlyw@dscej.org; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6]mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club; varshini@sunrisemovement.org; parras.juan[Ex. 6] diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen; Jasmine Harrison; Dan Utech; Alison Cassady; Carbonell, Tomas

Optional Attendees: anleonar@greenpeace.org; bob.inglis.us[Ex. 6]; melissareamp[Ex. 6]; Rebecca Jackson

Do not forward this invitation. Please notify scheduling@epa.gov if participant changes need to be made.

Administrator Regan (table)
John Lucey

Virtual:
Rosemary Enobakhare, OPEEE
Loni Cortez Russell, OPEEE
Tomas Carbonell, OAR
Ale Nunez, OAR
Dan Utech, AO
Alison Cassady, AO
Emily Southard, 350.org
Katie Huffling, Alliance of Nurses for Healthy Environments
Dwaign Tyndal, Alerter natives for Community and Environment
Benji Backer, American Conservation Coalition
Randi Weingarten, American Federation of Teachers
Harold Wimmer, American Lung Association
Dr. Georges Benjamin, American Public Health Association
Jason Walsh, BlueGreen Alliance
Gladys Limon, California Environmental Justice Alliance
Jose Aguto, Catholic Climate Covenant
John Podesta, center for American Progress
Anahí Naranjo, Center for Earth, Energy & Democracy
Mindy Lubber, Ceres
Nsedu Obot, Children's Environmental Health Network
Dorothy Barnett, Climate + Energy Project
Payton Wilkins, Coalition of Black Trade Unionists
Todd Tanner, Conservation Hawks
Beverly Wright, Deep South Center for Environmental Justice
Jamie Rappaport Clark, Defenders of Wildlife
Andrea Yodsampa, DEPLOY/US
Abbie Dillenm Earthjustice
Meighen Speiser, ecoAmerica
Fred Krupp, Environmental Defense Fund
Richard Moore, Environmental Justice Health Alliance
Rev. Mitch Hescox, Evangelical Environmental Network
Erich Pica, Friends of the Earth
Ruth Ann Norton, Green and Healthy Homes Initiative
Ambrose Carroll, Green the Earth
Rev. Fletcher Harper, GreenFaith
Mark Magaña, Green Latinos
Annie Leonard, Greenpeace USA
Colette Pichon Battle, Gulf Coast Center for Law & Policy
Bernadette Demientieff, Gwich'in Steering Committee
Gary Cohen, Health Care Without Harm
Liz Havstad, Hip Hop Caucus
Tom Goldtooth, Indigenous Environmental Network
Rev. Susan Hendershot, Interfaith Power & Light

Burt Lauderdale, Kentuckians for the Commonwealth
Xochitl Covarrubias, Labor Council for Latin American Advancement Los Angeles Chapter
Gene Karpinski, League of Conservation Voters
Dr. Mona Sarfaty, Medical Society Consortium on Climate and Health
Eartha Borer-Bell, Midwest Environmental Justice Network
Derrick Johnson, NAACP
Ai-jen Poo, National Domestic Workers Alliance
David Dyjack, National Environmental Health Association
Cassandra Carmichael, National Religious Partnership for the Environment
Collin O'Mara, National Wildlife Federation
John Echohawk, Native American Rights Fund
Lisa Pohlmann, Natural Resources Council of Maine
Mitch Bernard, National Resources Defense Council
Korina Barry, NDN Collective
Jerry Taylor, Niskanen Center
Nathaniel Smith, Partnership for Southern Equity
Dany Sigwalt, Power Shift Network
Melissa Gavin, RE-AMP Network
Bob Inglis RepublicEN
Lorette Picciano, Rural Coalition
Mary Kay Henry, Service Employee International Union
Michael Brune, Sierra Club
Varshini Prakash, Sunrise Movement
Juan Parras, Texas Environmental Justice Advocacy Services
Diane Regas, The Trust for Public Land
Jamie Williams, The Wilderness Society
Whit Fosburgh, Theodore Roosevelt Conservation Partnership
Chris Wood, Trout Unlimited
Kathleen Rest, Union of Concerned Scientists
Thomas M. Conway, United Steelworkers
Keya Chatterjee, US Climate Action Network
Mahesh Ramanujam, US Green Building Council
Peggy Shepard, WE ACT for Environmental Justice
Maurice Mitchell, Working Families Party
George Behrakis, Young Conservatives for Carbon Dividends
Tori Goebel, Young Evangelicals for Climate Action
Laura Bentzen, The Partnership Project
Jasmine Harrison, The Partnership Project

Join ZoomGov Meeting
Ex. 6

Meeting ID: Ex. 6
One tap mobile
Ex. 6 US (San Jose)
US (New York)

Dial by your location
Ex. 6 US (San Jose)
US (New York)

Ex. 6 US (San Jose)
US
Meeting ID: Ex. 6
Find your local number: Ex. 6

Join by SIP
Ex. 6

Appointment

From: scheduling [scheduling@epa.gov]
Sent: 8/12/2021 5:15:33 PM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Lucey, John [Lucey.John.D@epa.gov]; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6] anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; Beverly Wright [beverlyw@dscej.org]; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6]; mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club [michael.brune@sierraclub.org]; varshini@sunrisemovement.org; parras.juan[Ex. 6] diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen [lbentzen@partnershipproject.org]; Jasmine Harrison [jharrison@partnershipproject.org]; Utech, Dan [Utech.Dan@epa.gov]; Cassady, Alison [Cassady.Alison@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]
CC: anleonar@greenpeace.org; bob.inglis.us[Ex. 6] melissareamp[Ex. 6] Rebecca Jackson [rjackson@ghhi.org]; jon.barton@seiu.org

Subject: Video-call: Environmental Leaders Roundtable
Location: [Ex. 6]

Start: 8/11/2021 8:30:00 PM
End: 8/11/2021 9:15:00 PM
Show Time As: Tentative

Required Attendees: Enobakhare, Rosemary; Cortez Russell, Loni; Levy, Maxwell; Lucey, John; emily.southard@350.org; katie@envirn.org; dwaign@ace-ej.org; benji@acc.eco; rweingar@aft.org; Harold.Wimmer@Lung.org; georges.benjamin@apha.org; jwalsh@bluegreenalliance.org; glimon@caleja.org; jose@catholicclimatecovenant.org; campodine49[Ex. 6]anaranjo@ceed.org; lubber@ceres.org; Nobotw[Ex. 6] barnett@climateandenergy.org; pwilkins@cbtu.org; todd.tanner@conservationhawks.org; beverlyw@dscej.org; jclark@defenders.org; ayodsampa@deployus.org; adillen@earthjustice.org; meighen@ecoamerica.org; fkrupp@edf.org; ljinewmexico[Ex. 6] mitch@creationcare.org; EPica@foe.org; ranorton@ghhi.org; ambrose@greenthechurch.org; Nunez, Alejandra; markmagana@greenlatinos.org; annie.leonard@greenpeace.org; colette@gcclp.org; bernadette@gwichinsteering.com; gary.cohen@hcwh.org; liz@hiphopcaucus.org; ien@igc.org; president@interfaithpowerandlight.org; burt@kftc.org; xochitl@usw675.org; gene_karpinski@lcv.org; msarfaty@gmu.edu; eborerbell@mwejn.org; djp@naacpnet.org; aijen@domesticworkers.org; ddyjack@neha.org; cassandra@nrpe.org; collin@nwf.org; jechohwk@narf.org; lpohlmann@nrcm.org; mbernard@nrdc.org; korina@ndncollective.org; jtaylor@niskanencenter.org; nsmith@psequity.org; dany@powershift.org; melissa@reamp.org; Bob.Inglis@republicEn.org; lpicciano@ruralco.org; Marykay.henry@seiu.org; Michael Brune, Sierra Club; varshini@sunrisemovement.org; parras.juan[Ex. 6]; diane.regas@tpl.org; jamie_williams@tws.org; wfosburgh@trcp.org; Chris.Wood@tu.org; KRest@ucsusa.org; tconway@usw.org; kchatterjee@usclimatenetwork.org; mraman@usgbc.org; peggy@weact.org; mmitchell@workingfamilies.org; george@yccdaction.org; tori@yecaction.org; Laura Bentzen; Jasmine Harrison; Utech, Dan; Cassady, Alison; Carbonell, Tomas

Optional Attendees: anleonar@greenpeace.org; bob.inglis.us Ex. 6 melissaremp Ex. 6 Rebecca Jackson; jon.barton@seiu.org

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 6/25/2021 2:14:35 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith [Ex. 6]; Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes [Ex. 6]; jennifer hains [Ex. 6] Keslar, Cara [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Rohr, Annette [ARohr@epri.com]; Constance Senior [connie@conniesenior.com]; Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; canden.byrd@icf.com [Canden.Byrd@icf.com]; Scheuer, Amy [amy.scheuer@icf.com]; Paul Gilman [PGilman@covanta.com]; ljohnson@d.umn.edu
CC: Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; O'Farrell, Thomas [OFarrell.Thomas@epa.gov]; Hains, Jennifer (MDH) [Jennifer.Hains@state.mn.us]; Orme-Zavaleta, Jennifer [Orme-Zavaleta.Jennifer@epa.gov]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Art Werner [Ex. 6] Lass, Taylor [Lass.Taylor@epa.gov]

Subject: BOSC AE Subcommittee Mtg - Deliberation
Location: Connection Information Coming Soon

Start: 11/12/2021 7:00:00 PM
End: 11/12/2021 10:00:00 PM
Show Time As: Tentative

Required Attendees: ca.geffen@pnnl.gov; Sandy Smith; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01 [Ex. 6]; Hubbell, Bryan; Hunt, Sherri; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu
Optional Attendees: Ross, Mary; Doa, Maria; Penalva-Arana, Carolina; Trentacoste, Emily; O'Farrell, Thomas; Hains, Jennifer (MDH); Orme-Zavaleta, Jennifer; Frey, Christopher; Rodan, Bruce; artwerner01 [Ex. 6] Lass, Taylor

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 6/25/2021 2:12:42 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith [Ex. 6]; Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes [Ex. 6]; jennifer hains [Ex. 6]; Cara Keslar [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Rohr, Annette [ARohr@epri.com]; Constance Senior [connie@conniesenior.com]; Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; canden.byrd@icf.com [Canden.Byrd@icf.com]; Scheuer, Amy [amy.scheuer@icf.com]; Gilman,Paul [PGilman@covanta.com]; ljohnson@d.umn.edu
CC: Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; O'Farrell, Thomas [OFarrell.Thomas@epa.gov]; Hains, Jennifer (MDH) [Jennifer.Hains@state.mn.us]; Orme-Zavaleta, Jennifer [Orme-Zavaleta.Jennifer@epa.gov]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Bryant, Alexis [bryant.alexis@epa.gov]; Art Werner [artwerner01@gmail.com]; Lass, Taylor [Lass.Taylor@epa.gov]; Miller, Andy [miller.andy@epa.gov]; Shatas, Angie [Shatas.Angie@epa.gov]

Subject: BOSC AE Subcommittee Mtg - Deliberation
Location: ZOOM - Connection Info Below

Start: 10/27/2021 6:00:00 PM
End: 10/27/2021 9:00:00 PM
Show Time As: Tentative

Required Attendees: ca.geffen@pnnl.gov; Sandy Smith; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01[Ex. 6]; Hubbell, Bryan; Hunt, Sherri; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu
Optional Attendees: Ross, Mary; Doa, Maria; Penalva-Arana, Carolina; Trentacoste, Emily; O'Farrell, Thomas; Hains, Jennifer (MDH); Orme-Zavaleta, Jennifer; Frey, Christopher; Rodan, Bruce; Bryant, Alexis; artwerner01[Ex. 6]; Lass, Taylor; Miller, Andy; Shatas, Angie

[Ex. 6]

Meeting ID: [Ex. 6]
Passcode: [Ex. 6]

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 6/25/2021 2:12:42 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith [Ex. 6]; Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes [Ex. 6]; jennifer hains [Ex. 6]; Cara Keslar [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Rohr, Annette [ARohr@epri.com]; Constance Senior [connie@conniesenior.com]; Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; canden.byrd@icf.com [Canden.Byrd@icf.com]; Scheuer, Amy [amy.scheuer@icf.com]; Paul Gilman [PGilman@covanta.com]; ljohnson@d.umn.edu
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Subject: BOSC AE Subcommittee Mtg - Deliberation
Location: Connection Information Coming Soon

Start: 10/27/2021 6:00:00 PM
End: 10/27/2021 9:00:00 PM
Show Time As: Tentative

Required Attendees: ca.geffen@pnnl.gov; Sandy Smith; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01 [Ex. 6]; Hubbell, Bryan; Hunt, Sherri; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu
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Subject: BOSC AE Subcommittee Mtg - Deliberation
Location: ZOOM - Connection Info Below

Start: 10/27/2021 6:00:00 PM
End: 10/27/2021 9:00:00 PM
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Required Attendees: ca.geffen@pnnl.gov; Sandy Smith; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01 [Ex. 6] Hubbell, Bryan; Hunt, Sherri; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu
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Ex. 6

Meeting ID: [Ex. 6]
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Subject: BOSC AE Subcommittee Mtg
Attachments: Untitled Attachment
Location: Connection Information Coming Soon

Start: 10/12/2021 3:00:00 PM
End: 10/12/2021 9:00:00 PM
Show Time As: Busy

Recurrence: Daily
every day from 11:00 AM to 5:00 PM
Required Attendees: ca.geffen@pnnl.gov; Sandy Smith; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01 [Ex. 6] Hubbell, Bryan; Hunt, Sherri; Bertrand, Savannah; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu
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Sent: Friday, April 9, 2021 1:02 PM
To: Tracy, Tom; ca.geffen@pnnl.gov; Sandy Smith; Viney P Aneja; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; jennifer hains; Keslar, Cara; mtkleinm@uci.edu; Myron Mitchell; lrivers@ncsu.edu; Rohr, Annette; Constance Senior; Hubbell, Bryan; Hunt, Sherri; Bertrand, Savannah; canden.byrd@icf.com; Scheuer, Amy; Paul Gilman; ljohnson@d.umn.edu
Cc: Ross, Mary; Doa, Maria; Penalva-Arana, Carolina; Trentacoste, Emily; O'Farrell, Thomas; Art Werner; Hains, Jennifer (MDH)
Subject: BOSC AE Subcommittee Mtg
When: Occurs every day effective 10/12/2021 until 10/14/2021 from 11:00 AM to 5:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Connection Information Coming Soon

Appointment

To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith [Ex. 6] Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes [Ex. 6] jennifer hains [Ex. 6] Keslar, Cara [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Constance Senior [connie@conniesenior.com]; Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; Bertrand, Savannah [Bertrand.Savannah@epa.gov]; canden.byrd@icf.com [Canden.Byrd@icf.com]; Scheuer, Amy [amy.scheuer@icf.com]; Paul Gilman [PGilman@covanta.com]; Rohr, Annette [ARohr@epri.com]; ljohnson@d.umn.edu

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Start: 10/12/2021 3:00:00 PM
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Recurrence: (none)

Appointment

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Subject: BOSC AE Subcommittee Mtg
Location: Connection Information Coming Soon

Start: 10/12/2021 3:00:00 PM
End: 10/12/2021 9:00:00 PM
Show Time As: Busy

Recurrence: Daily
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Sent: 4/29/2021 4:31:37 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith Ex. 6 Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes Ex. 6 jennifer hains Ex. 6 Keslar, Cara [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Rohr, Annette [arohr@epri.com]; Constance Senior [connie@conniesenior.com]; 'artwerner01 Ex. 6 Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; Bertrand, Savannah [Bertrand.Savannah@epa.gov]; canden.byrd@icf.com; Amy.scheuer@icf.com; Paul Gilman [PGilman@covanta.com]; ljohnson@d.umn.edu
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Subject: BOSC AE Subcommittee Mtg
Attachments: Untitled Attachment; Untitled Attachment; Untitled Attachment; Climate Change Tools.pdf; ACE BOSC_CQ1_Relevant Outputs-Products.pdf; ACE BOSC_CQ2_Relevant Outputs-Products.pdf; ACE BOSC_CQ3_Relevant Outputs-Products.pdf; ACE BOSC_STAR and Other ORD Research_October2021.pdf; AE BOSC 20211012 Agenda FINAL_v2.pdf; AE BOSC 20211012 Charge Questions FINAL.pdf; AE Deliverables Table for BOSC 2021.pdf
Location: ZOOM - Connection Info Below

Start: 10/12/2021 3:00:00 PM
End: 10/12/2021 10:00:00 PM
Show Time As: Tentative

Recurrence: Daily
every day from 11:00 AM to 6:00 PM
Required Attendees: ca.geffen@pnnl.gov; Sandy Smith; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01 Ex. 6 Hubbell, Bryan; Hunt, Sherri; Bertrand, Savannah; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu
Optional Attendees: Ross, Mary; Doa, Maria; Penalva-Arana, Carolina; Trentacoste, Emily; O'Farrell, Thomas; artwerner01 Ex. 6 Hains, Jennifer (MDH); Frey, Christopher; Rodan, Bruce; Lass, Taylor

Ex. 6

Meeting ID: Ex. 6
Passcode: Ex. 6

Tools and Resources developed by ORD to understand impacts of the changing climate and inform adaptation

(Information relevant to CQ2 and CQ3)

Resource Name	Link
Global Change Explorer	https://www.epa.gov/gcx
Multisector Evaluation Tool for identifying Resilience Opportunities (METRO)	https://metro.epa.gov/About.aspx
	https://cfpub.epa.gov/ncea/global/recordisplay.cfm?deid=322482
Integrated Climate and Land Use Scenarios (ICLUS)	https://iclus.epa.gov/#v=map&b=gray-vector&l=3!8!9!6&x=-97.32566406249403!-77.03!-75.55!-122.4&y=37.6167211439001 5!38.7!40.43!37.78&m=1&s=ssp2!ssp2!ssp2!ssp2&d=land_use!land_use!land_use!land_use&o=giss_e2_r!giss_e2_r!giss_e2_r!giss_e2_r&a=0&z=2
Critical Loads Mapper (CL Mapper)	https://clmapper.epa.gov/
GCX-LASSO (Locating and Selecting Scenarios Online)	https://lasso.epa.gov/
Adaptation Design Tool (ADT)*	https://www.epa.gov/gcx/about-adaption-design-tool-adt
	https://www.coris.noaa.gov/activities/CCAP_design/
ADT online course	https://reefresilience.org/community-based-climate-adaptation/climate-adaptation-tools/ccap-adaptation-design-tool/
Coastal Resilience Tool	https://maps.coastalresilience.org/
The 20 Watersheds tool	https://20watersheds.epa.gov/20watersheds/
Sea-Level Affecting Marshes Model (SLAMM)	https://www.epa.gov/gcx/about-delaware-bay-wetland-projections
GLIMPSE	https://www.epa.gov/air-research/glimpse-computational-framework-supporting-state-level-environmental-and-energy
TIMES 9-Region Energy Systems Database	https://www.epa.gov/air-research/epaus9rt-energy-systems-database-use-times-model

CQ1: Science Needs Related to Air Toxic Sources and Emerging Contaminants

The following table lists anticipated Air, Climate, and Energy (ACE) deliverables relevant to Charge Question 1. The Outputs and Products may change as new scientific findings emerge. Completion of Outputs and Products is contingent on appropriate resources being available. ACE will continue to actively engage with EPA Partners to meet their needs and inform the reviews of the NAAQS and implementation strategies.

ID	Research Area, Output, or Product Title
Research Area 1: *Approaches to Support Air Quality Management for Multiple Pollutants at Multiple Scales*	
AE.1.5.6	Summary of Spatial Analysis of Volatile Organic Compounds in Rubbertown Area of Louisville, Kentucky using Passive Samplers
AE.1.6.10	Development of a VCP Emission Inventory Methodology and Tool
AE.1.6.2	Summary of Implications of VCPs for Ozone and PM in Urban Atmospheres (California and the Northeast US)
AE.1.6.4	Summary of Identification of VCP-driven Criteria Pollutant Exceedances Nationwide in the Context of Changing NOx
AE.1.6.5	Summary of Laboratory Determination of SOA and Ozone from Volatile Chemical Products (VCPs)
AE.1.6.8	Summary of a Multimodel Approach to Chemical Prioritization Based on Primary and Secondary Pollutant Exposure Across Environments Resulting from Volatile Chemical Products
Research Area 2: *Approaches for Characterizing Source Emissions, Air Quality, Exposure, and Mitigation Strategies*	
AE.2.1.3	Summary and dataset on emissions characterization of NOx, VOC, SVOC, PM emissions from both light and heavy-duty vehicles
AE.2.1.5	Summary of emissions from off-road stationary diesel gensets operating on traditional and alternative fuels
AE.2.1.6	The SPECIATE Database
AE.2.1.9	Summary of Investigation of Stationary Source Condensable PM Measurements
AE.2.2	**Output: Development, Evaluation, and Implementation of Updated Ambient Air Measurement Methods**
AE.2.3	**Output: Progress update on fugitive, area source, fenceline, and roadway emissions research**
AE.2.3.1	Summary of Emission Factors of Reduced Nitrogen and Sulfur Compounds from Biomass Combustion
AE.2.3.3	FY20 Annual Summary of NGEM and Fugitive, Area Source, and Fenceline Research
AE.2.3.4	FY21-22 Annual Summary of NGEM and Fugitive, Area Source, and Fenceline Research
AE.2.3.5	Dataset of PM Speciation Results of Brake and Tire Wear Collected from On-Road Motor Vehicles
AE.2.3.6	Summary of results of field evaluation of portable automated gas chromatographs for near source VOC monitoring
AE 2.5	**Output: Emission Estimating Methodologies (EEMs) and future research needs for emissions from agricultural sources**
AE.2.5.1	Draft Emission Estimating Methodologies (EEMs) for ammonia, hydrogen sulfide, and particulate matter emissions from swine, poultry (broiler and layer), and dairy farms
AE.2.6.1	Summary of Temporal Patterns and Biophysical Controls on Methane Emissions from Reservoirs
AE.2.6.2	An Estimate of Methane Emissions for U.S. Reservoirs for Inclusion in the Annual Inventory of U.S. Greenhouse Gas Emissions and Sinks
Research Area 4: *Public Health and Environmental Exposures and Responses to Emerging Air Pollutants and Sources*	
4.1	**Output: State-of-the Science: Synthesis of Research on Airborne PFAS Emissions, Sources, Measurement Methods, Control, Dispersion, Environmental Fate, and Impacts and Identification of Remaining Critical Knowledge Gaps**

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ID	Research Area, Output, or Product Title
AE.4.1.1	PFAS Source Emissions Measurement Methods and Approaches
AE.4.1.10	Summary of Modeling PFAS Air Emissions, Chemistry, and Deposition
AE.4.1.11	Summary of Computational Study of the Atmospheric Lifetimes and Fate of Volatile Perfluoroalkyl Substances (PFAS)
AE.4.1.12	Summary of Characterization and Mitigation of PFAS Air Emissions from Fabric Thermal Application Processes
AE.4.1.13	PFAS Literature Review Paper - Air Sources and Pathways for Perfluorinated Compounds
AE.4.1.14	Modeling PFAS Air Fate and Transport in the Eastern U.S.
AE.4.1.15	Other Test Method (OTM)-45 for PFAS Compounds
AE.4.1.2	PFAS Source Emissions Measurement Methods - Summary of Field Evaluation and Validation
AE.4.1.3	Summary of PFAS Source Emission Characterization
AE.4.1.4	Ambient Air Measurement Approaches for PFAS Compounds
AE.4.1.5	Summary of Field Evaluations of Ambient Air Measurement Approaches for PFAS Compounds
AE.4.1.6	Summary of PFAS Ambient Air Characterization
AE.4.1.7	Atmospheric Deposition Measurement Approaches for PFAS Compounds
AE.4.1.8	Summary of Field Evaluations of Atmospheric Deposition Methods for PFAS Compounds
AE.4.1.9	Summary of PFAS Wet Deposition Characterization
AE.4.3	**Output: Ethylene Oxide - State of the Science and Methods Development**
AE.4.3.3	Summary of Field Evaluation of Current EPA Method TO-15A Analysis for Ambient Monitoring of Ethylene Oxide
AE.4.3.4	Toxic Organics Method TO-15A Supplement, Canister Analysis Method for Ethylene Oxide in Ambient Air
AE.4.3.5	Summary of EtO Emissions from Motor Vehicles
AE.4.3.7	Improved Characterization of Atmospheric Chemistry of EtO
AE.4.3.8	Summary of Instrumentation and Measurement Capabilities for Source Emissions of EtO
AE.4.3.9	Summary of Instrumentation and Measurement Capabilities for Background and Near-Source Emissions of EtO

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CQ2: Science Needs to Understand Climate Change Impacts

The following table lists anticipated Air, Climate, and Energy (ACE) deliverables relevant to Charge Question 2. The Outputs and Products may change as new scientific findings emerge. Completion of Outputs and Products is contingent on appropriate resources being available. ACE will continue to actively engage with EPA Partners to meet their needs and inform the reviews of the NAAQS and implementation strategies.

ID	Research Area, Output, or Product Title
Research Area 1: *Approaches to Support Air Quality Management for Multiple Pollutants at Multiple Scales*	
AE.1.3.5	Estimated Decadal-scale Changes in Background Pollution Due to Divergent Trends in Global Emissions
Research Area 6: *Methods to enable resilience to future environmental stressors*	
AE.6.1	**Output: Updated and expanded scenario data for population, land use, and extreme events to inform risk communication and management**
AE.6.1.1	Updated LASSO Web Application
AE.6.1.2	ICLUS Scenario Data
AE.6.1.3	Dynamically downscaled projections of changes to extreme weather across the CONUS
AE.6.1.4	Projected changes to IDF curves from dynamically downscaled scenarios
AE.6.1.5	Summary of improved high-resolution simulation of extreme weather events
AE.6.2	**Output: Summary of Advancements in Interactions of Environmental Changes on PM, Ozone, Wildfires and Associated Human Health Impacts**
AE.6.2.1	Summary of changes in air quality and health impacts in the U.S. at 2050 and 2090 projected using multiple earth system models and emission scenarios
AE.6.2.2	Summary of projected air quality and health impacts of wildfire in the U.S. under different temperature scenarios
AE.6.2.3	Summary of estimated relationship between national temperatures and air quality (O3/PM2.5 concentrations) based on multiple models
AE.6.3	**Output: Analysis of environmental impacts and vulnerabilities due to effects of changing conditions and extreme events on water quality and aquatic resources**
AE.6.3.1	Summary of coastal water program risk mapping and adaptation analysis for resilient infrastructure
AE.6.3.2	Summary of hydroclimatic change effects on stormwater BMPs in different regions of the U.S.
AE.6.3.3	National Stormwater Calculator Update – informing management of extreme storm events
AE.6.3.4	Summary of the effects of extreme events on and emerging risks to forested watersheds
AE.6.3.5	Summary of impacts to watersheds from wildland fire and extreme events on salmonid refugia and population viability
AE.6.3.6	Identification of resilient watershed BMPs under scenarios of future climate and land-use change: Regions 1, 3, 6, and 7 case studies
AE.6.4	**Output: Methods for adaptation planning and decision analysis to improve environmental resilience to changing conditions and extreme events**
AE.6.4.1	Report estimating site-specific gains and losses of tidal wetland ecosystem services due to sea level rise and extreme weather events
AE.6.4.2	Report characterizing and assessing the resilience and recovery potential of watersheds challenged by extreme events to identify key refugia
AE.6.4.3	Report on the application of vulnerability assessment results and innovative methods to identify resilient sites and assess trends
AE.6.4.4	Synthetic principles for adaptation planning and decision analysis to improve resilience of natural resources under changing environmental conditions

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CQ3: Science Needs for Impacts of Changing Energy Systems

The following table lists anticipated Air, Climate, and Energy (ACE) deliverables relevant to Charge Question 3. The Outputs and Products may change as new scientific findings emerge. Completion of Outputs and Products is contingent on appropriate resources being available. ACE will continue to actively engage with EPA Partners to meet their needs and inform the reviews of the NAAQS and implementation strategies.

ID	Research Area, Output, or Product Title
Research Area 5: *Methods to evaluate environmental benefits and consequences of changing energy systems*	
AE.5.1	**Output: Report on air quality under future energy scenarios**
AE.5.1.2	Summary of method and an analysis using the method for projecting future-year emission inventories for non-EGU sources such as industrial sources
AE.5.1.3	Characterization of cost and emissions savings associated with Energy Efficiency and Renewable Energy to support control strategy development
AE.5.1.4	Summary of formal scenarios methods to investigate the efficacy of existing regulations and potential policies in protecting air quality
AE.5.1.5	Updates and improvements to GLIMPSE framework
AE.5.1.6	Summary of NYC Ozone Responsiveness to Regional and Local NOX Reductions: A Multi-sector analysis
AE.5.2	**Output: Biofuels and the Environment: The Third Triennial Report to Congress (RtC3)**
AE.5.2.1	Technical Input White Papers for de novo analyses for the RtC3
AE.5.2.3	External Review Draft (ERD) for the RtC3
AE.5.2.4	White paper describing foundation for RtC4
AE.5.3	**Output: Progress update on environmental consequences of emerging transportation technologies, policies, and practices**
AE.5.3.1	Analysis of the energy and emission implications of deploying low-emission hydrogen fuels in the transportation sector
AE.5.3.2	Updated GCAM-USA model with enhancements to support Agency applications

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The following tables list projects that are relevant to the Charge Questions and supported through the Science to Achieve Results (STAR) extramural grants and other supplemental internal ORD programs.

Science Needs Related to Air Toxic Sources and Emerging Contaminants (CQ1)

Solicitation or Project Title (PI, Institution)	Project Type[1]	Start Date	# Journal Articles
Solicitation: Measurement and Monitoring Methods for Air Toxics and Contaminants of Emerging Concern in the Atmosphere			
N/A	STAR	April 2022 (anticipated)	

Supplemental ORD Project Title	Lead Region	Project Type[1]	Fiscal Year(s)
Ambient Air Monitoring and Emissions Controls for PFAS	Region 3	ROCS-Net	2019
Understanding PFAS Deposition	Region 1	ROCS-Net	2019
Evaluating PFAS Waste Treatment and Disposal Technology Effectiveness	Region 9	R2P2	2019
Ethylene Oxide: Developing Enhanced Monitoring Capabilities	Region 5	R2P2	2020
Advanced fugitive measurements of ethylene oxide emissions	Region 5	RARE	2019
Equipment Familiarization and Development of Real Time Ethylene Oxide (EtO) Analyzer Deployment Parameters	Region 7	R2P2	2020
Characterization of EtO Emissions Downwind of a Chemical Facility Using Innovative Realtime Measurement Technologies	Region 7	RARE	2021
Comparison of Particulate Metals Passive Air Samplers Against Semi-Continuous Metals Monitor near Steel Mills and Other Metal Emitting Facilities	Region 5	RARE	2021 2022
In-Source Monitoring at the Port of New York and New Jersey	Region 2	RARE	2011
Measurement of combustion efficiency of enclosed combustor devices (ECDs) at oil and natural gas production facilities	Region 8	RARE	2020
Next Generation Emissions Measurements and Source Modeling at Gasoline Bulk Terminals	Region 4	RARE	2021
Development and testing of fenceline sensor systems in EPA Region 6	Region 6	RARE	2017
Demonstration of advanced fenceline VOC monitoring systems in New Mexico	Region 6	RARE	2020
Community Participation in Classifying Odors from Air Pollution Emissions	Region 4	RESES	2018
Utilizing low-cost Next Generation Emissions Measurement (NGEM) tools to develop a near-source monitoring and modeling approach for air toxics emissions	Region 4	R2P2	2020

[1] Project types are defined at the end of this document.

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Science Needs to Understand Climate Change Impacts (CQ2)

Solicitation or Project Title (PI, Institution)	Project Type	Start Date	# Journal Articles
Solicitation: Particulate Matter and Related Pollutants in a Changing World			
Wildfires in the Rocky Mountains Region: Current and Future Impacts on PM2.5, Health, and Policy (PI: Yan Liu, Georgia Institute of Technology)	STAR	January 2016	5
Rethinking the Formation of Secondary Organic Aerosols (SOA) Under Changing Climate by Incorporating Mechanistic and Field Constraints (PI: Jose Jimenez, University of Colorado- Boulder)	STAR	January 2016	52
Ensemble Analysis of Global Change Projections for US Air Quality Using a Novel Combination of Lagrangian and Gridded Air Quality Models (PI: Brian Lamb, Washington State University)	STAR	January 2016	N/A
Particulate Matter Prediction and Source Attribution for U.S. Air Quality Management in a Changing World (PI: Xin-Zhong Liang, University of Maryland)	STAR	April 2016	6
Quantifying Risks from Changing U.S. PM2.5 Distributions Due to Climate Variability and Warming with Large Multi-Model Ensembles and High-Resolution Downscaling (PI: Arlene Fiore, Columbia University)	STAR	January 2016	9
Integrated Analysis of Land Use-Based Policies for Improving Air and Water Quality: A Focus on Agricultural Reactive Nitrogen and Wildland Fire Emissions as Climate, Land Use and Anthropogenic Emissions Change (PI: Ted Russell, Georgia Tech)	STAR	January 2016	16
Effects of Ammonia on Secondary Organic Aerosol Formation in a Changing Climate (PI: Donald Dabdub, University of California-Irvine)	STAR	January 2016	8
Interplay Between Black and Brown Carbon from Biomass Burning and Climate (PI: Shane Murphy, University of Wyoming)	STAR	January 2016	2
Effects of Changes in Climate and Land Use on U.S. Dust and Wildfire Particulate Matter (PI: Loretta Mickley, Harvard University)	STAR	January 2016	7
Planning for an Unknown Future: Incorporating Meteorological Uncertainty into Predictions of the Impact of Fires and Dust on US Particulate Matter (PI: Emily Fischer, Colorado State University)	STAR	January 2016	8
Solicitation: Air, Climate And Energy (ACE) Centers: Science Supporting Solutions			
SEARCH: Solutions to Energy, AiR, Climate, and Health (PI: Michelle Bell, Yale University); (Project 3: Air Quality and Climate Change Modeling: Improving Projections of the Spatial and Temporal Changes of Multipollutants to Enhance Assessment of Public Health in a Changing World)	STAR	October 2015	69
Regional Air Pollution Mixtures: The past and future impacts of emissions controls and climate change on air quality and health (PI: Petros Koutrakis, Harvard University); (Project 1: Regional Air Pollution Mixtures: The Past and Future Impacts of Emission Controls and Climate Change on Air Quality and Health)	STAR	December 2015	162

Supplemental ORD Project Title	Lead Region	Project Type	Fiscal Year(s)
Quantification of Landfill Gas Emissions using next generation emission measurement (NGEM) approaches	Region 5	RARE	2021 2022

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Science Needs for Impacts of Changing Energy Systems (CQ3)

Solicitation or Project Title (PI, Institution)	Project Type	Start Date	# Journal Articles
Solicitation: Particulate Matter and Related Pollutants in a Changing World			
Evaluating the Timeline of Particulate Matter Exposure from Urban Transportation and Land-Use Greenhouse Gas Mitigation Strategies Using aNovel Modeling Framework (PI: Greg Rowangould, University of Vermont)	STAR	January 2016	3
Optimal Energy Portfolios to Sustain Economic Advantage, Achieve GHG Targets, and Minimize PM2.5. (PI: Mike Kleeman, University of California-Davis)	STAR	April 2016	3
Solicitation: Air, Climate And Energy (ACE) Centers: Science Supporting Solutions			
SEARCH: Solutions to Energy, AiR, Climate, and Health (PI: Michelle Bell, Yale University); (Project 1: Modeling Emissions from Energy Transitions); (Project 4: Human Health Impacts of Energy Transitions: Today and Under a Changing World)	STAR	October 2015	69
Center for Air, Climate, and Energy Solutions (CACES) (PI: Allen Robinson, Carnegie Mellon); (Project 4: Air Pollutant Control Strategies in a Changing World)	STAR	May 2016	75

Supplemental ORD Project Title	Lead Region	Project Type	Fiscal Year(s)
State-level multi-pollutant planning using GLIMPSE	Region 3	RARE	2019
Improving State-Level Multi-Pollutant Planning in Connecticut with GLIMPSE	Region 1	RARE	2021

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STAR and Other ORD Programs Providing Supplemental Funding

Extramural Research funded through EPA's Science to Achieve Results (STAR) grants provides invaluable engagement between the agency and scientific community, fostering a collaboration and knowledge-sharing platform. These grants not only engage top scientists throughout the U.S., resulting in a strong scientific foundation to support the Agency in meeting its mission, but the resulting funded research provides the underlying scientific and engineering knowledge needed to address environmental and human health issues and to improve decision-making, problem detection, and problem-solving.

EPA's Small Business Innovation Research (SBIR) Program is the small program with a big mission: to protect human health and the environment. Broad areas of focus typically stay the same and include clean and safe water, air quality, land revitalization, homeland security, sustainable materials management and safer chemicals. More specific subtopics under each of these broad areas change from year to year.

Regional Applied Research Effort (RARE) Program: The RARE program provides a mechanism for ORD and the regions to collaborate on near-term regional research priorities. RARE research addresses a wide range of environmental issues, from human health concerns to ecological effects of various pollutants. The RSLs coordinate RARE activities and ensure that research results are effectively communicated and used within the regions.

Regional Research Partnership Program (R2P2): R2P2 provides short-term training opportunities for regional technical staff to work directly with ORD scientists in ORD laboratories, centers, and offices. The program builds technical capacity in the regions, enhances the skills and knowledge of regional and ORD staff, and promotes the development of stronger ties between ORD and the regions. The RSLs and headquarters staff facilitate the process of soliciting applicants and helping candidates establish the necessary contacts throughout ORD.

The Regional Sustainability and Environmental Sciences (RESES) program, led by EPA's Office of Research and Development (ORD), matches Agency scientific and technical expertise with high-priority, short-term research needs in each of the Agency's ten Regions across the nation.

Regional/ State/ Tribal Innovation Projects: The RSTIP program provides competitive funding for regional/state/tribal projects that use innovative approaches to address regional, state, and/or tribal science priorities. The program encourages the use of innovative approaches – citizen science and crowdsourcing, advanced monitoring technologies, and social science – which can expand and diversify EPA's work, engage the public, and foster creative solutions to important environmental problems. This also provides a valuable opportunity to continue strengthening the relationship between ORD, regions, states, and tribes.

Pathfinder Innovation Projects (PIPs) challenge EPA scientists to explore the leading edge of environmental science and work to turn innovations in science and technology into new environmental protection capabilities. This internal competition provides staff with additional research time and funding in pursuit of high-risk, high reward research ideas.

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U.S. EPA Office of Research and Development (ORD)
Board of Scientific Counselors (BOSC)
Air, Climate, and Energy Subcommittee (ACE SC)
for the Air, Climate, and Energy (ACE) Research Program

Tuesday, October 12, 2021

Time (EDT)	Agenda Activity	Presenter
10:30 – 11:00	Sign on & Technology Check	
11:00 – 11:15	Welcome and Opening Remarks	Tom Tracy, Designated Federal Officer (DFO) Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
11:15 -11:30	ORD Welcome	Wayne Cascio, ORD Acting Principal Deputy Assistant Administrator for Science Chris Frey, ORD Deputy Assistant Administrator for Science Policy
11:30 – 11:45	Overview of ACE BOSC SC Meeting Format and Charge Questions	Bryan Hubbell ACE National Program Director (NPD)
11:45 – 11:55	Update on BOSC EC PFAS Research Discussion	Susan Burden, OSAPE
Charge Question 1		
11:55 – 12:10	**CQ1:** Science Needs Related to Air Toxic Sources and Emerging Contaminants (Research Areas 2 and 4)	Bryan Hubbell, ACE NPD
12:10 – 12:25	Approaches for Addressing Scientific Challenges and Key Uncertainties in Characterizing Air Toxics and Contaminants of Emerging Concern	Alice Gilliland, Acting Center Director, Center for Environmental Measurement and Modeling (CEMM)
12:25 – 1:55	Research to Understand Source Emissions and Ambient Concentrations of Air Toxics and Contaminants of Emerging Concern	Tiffany Yelverton, CEMM Richard Shores, CEMM Alan Vette, CEMM Chet Wayland, OAR
1:55 – 2:10	**BREAK**	
2:10 – 4:10	**Meet the Scientists, Session #1**	
	Room A	
	Air Toxics – Source Measurement and Methods, Session Lead	Wyat Appel, CEMM
	PFAS Methods Development	Jeff Ryan, CEMM
	Fenceline Measurements and Methods Development	Eben Thoma, CEMM
	PFAS Incineration	Jonathan Krug, CEMM
	Room B	
	Air Toxics – Ambient Measurement and Methods, Session Lead	Mike Hays, CEMM
	VOCs/Odor Explore App	Rachelle Duvall, CEMM
	EtO Ambient Measurement and Methods Development	Ingrid George, CEMM

Time (EDT)	Agenda Activity	Presenter
	Air Toxics Ambient Measurement and Methods Development	Tamira Cousett, CEMM
	Room C	
	Air Toxics Modeling and Databases, Session Lead	Donna Schwede, CEMM
	Incorporating PFAS into the CMAQ Model	Emma D'Ambro, CEMM
	Updates to the SPECIATE database	George Pouliot, CEMM
	Adding VCP Chemistry to CMAQ	Havala Pye, CEMM
4:10 – 4:25	**BREAK**	
4:25 – 4:40	Public Comments	Tom Tracy, DFO
4:40 – 5:15	Clarification Questions from BOSC SC	Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
5:15 – 6:15	Working Session for BOSC SC Discussion	

Wednesday, October 13, 2021

Time (EDT)	Agenda Activity	Presenter
10:30 – 11:00	Sign on & Technology Check	
11:00 – 11:15	Welcome Back	Tom Tracy, DFO Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
	Charge Question 2	
11:15 -11:30	**CQ2:** Science Needs to Understand Climate Change Impacts (Research Area 6)	Andy Miller, ACE Associate NPD for Climate
11:30 – 11:45	Approaches to Understand and Prepare for Climate-Driven Impacts	Tim Watkins or TBD, Acting Center Director, Center for Public Health and Environmental Assessment (CPHEA)
11:45 – 1:15	Research to Understand Climate Impacts and to Enable Resilience	Peter Beedlow, CPHEA Britta Bierwagen, CPHEA Chris Weaver, CPHEA Stephanie Santell, OW Dan Brown, R10 Jeremy Martinich, OAP
1:15 – 1:30	**BREAK**	
1:30 – 3:30	**Meet the Scientists, Session #2**	
	Room A	
	Water Quality and Aquatic Resources, Session Lead	Darrell Winner, CPHEA
	Stormwater Best Management Practices	Tom Johnson, CPHEA
	Adaptation Planning Frameworks	Jordan West, CPHEA
	Regional Watershed Resilience	Naomi Detenbeck, CEMM
	Room B	
	Ecosystem Effects, Session Lead	Peter Beedlow, CPHEA
	Coldwater Fish Refugia	Joe Ebersole, CPHEA

Time (EDT)	Agenda Activity	Presenter
	Nutrient Transport	Jana Compton, CPHEA
	Room C	
	Scenarios and Impacts, Session Lead	Tanya Spero, CEMM
	Global Change Explorer	Phil Morefield, CPHEA
	Storm IDF curves	Anna Jalowska, CPHEA
3:30 – 3:45	**BREAK**	
3:45 – 4:15	Public Comments	Tom Tracy, DFO, OSAPE
4:15 – 4:45	Clarification Questions from BOSC SC	Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
4:45 – 5:30	Working Session for BOSC SC Discussion	

Thursday, October 14, 2021

Time (EDT)	Agenda Activity	Presenter
10:30 – 11:00	Sign on & Technology Check	
11:00 – 11:15	Welcome Back	Tom Tracy, DFO, OSAPE Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
Charge Question 3		
11:15 – 11:25	**CQ3:** Science Needs for Impacts of Changing Energy Systems (Research Area 5)	Sherri Hunt, ACE Principal Associate NPD
11:25 – 12:15	Approaches and Research to Understand Impacts of Changing Energy Systems	Darrell Winner, CPHEA Rebecca Dodder, CEMM Marcus Sarofim, OAP Shutsu Wong (R1)
12:15 – 12:30	**BREAK**	
12:30 – 2:00	**Meet the Scientists Session #3**	
	Room A	
	Energy Systems Modeling and Databases, Session Lead	Tom Pierce, CEMM
	GLIMPSE	Dan Loughlin, CEMM
	EPAUS9r-TIMES	Carol Lenox, CEMM
	CoMET	Ozge Kaplan, CEMM
	Room B	
	Biofuels, Session Lead	Britta Bierwagen, CPHEA
	Biofuels Report to Congress	Chris Clark, CPHEA
	Terrestrial Effects of Land Use Change	Steve LeDuc, CPHEA
2:00 – 2:15	**BREAK**	
2:15 – 3:15	Revitalizing Research to Address the Challenge of Climate Change	Bryan Hubbell, ACE NPD Andy Miller, ACE ANPD for Climate
3:15 – 4:00	Clarification Questions from BOSC SC	Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair
4:00 – 5:00	BOSC SC Workgroup Breakouts	
5:00 – 5:45	BOSC SC Workgroup Reports	
5:45 – 6:00	Wrap up and Next Steps	Charlette Geffen, ACE BOSC SC Chair Sandy Smith, ACE BOSC SC Vice Chair

6:00	Adjourn	Tom Tracy, DFO

Meet the Scientists Sessions

- ACDs will plan details of these sessions.
- Meet the Scientists sessions promote smaller group interactions with researchers.
- Each Meet the Scientists session has multiple time blocks/virtual rooms and will:
    - Focus on a specific topic, and
    - Have a moderator and scientists, each with short presentations, with time for group/topic discussion.
- Within a Meet the Scientist Session, each block/virtual room will repeat so that **all subcommittee members will be able to attend all virtual rooms**. Subcommittee members will be assigned a group and will rotate through the virtual rooms.

U.S. EPA Office of Research and Development
Charge to the Board of Scientific Counselors (BOSC)
Subcommittee for the Air, Climate, and Energy Research Program
Virtual Meeting on October 12-14, 2021

Introduction: The mission of the EPA Office of Research and Development (ORD) is to provide the best available science and technology to inform and support public health and environmental decision making at federal, state, tribal, and local levels. Having incorporated BOSC recommendations into the planning phase for ORD's Air, Climate, and Energy (ACE) national research program, ORD is now seeking BOSC input focused on implementation of the research portfolio.

The ACE research program includes nine research areas (RAs) which will be addressed over two ACE BOSC Subcommittee meetings in 2021. Each BOSC meeting will focus on specific themes and emphasize different elements of the ACE portfolio to illustrate core capabilities and innovative thinking to address critical partner research needs. By the end of this cycle, the ACE BOSC Subcommittee will have been provided an implementation overview of all nine ACE RAs and more in-depth information on a selected set of research deliverables (products and outputs). To illustrate ACE's integrated and partner-oriented approach, information will be provided at the October '21 BOSC subcommittee meeting on three areas of focus:

1) Characterizing source emissions and developing ambient measurement methods for air toxics and contaminants, especially those related to emerging pollutants of concern,
2) Understanding the impacts of a changing climate and developing solutions for adapting to those impacts, and
3) Modeling the impacts of the Nation's transforming energy and transportation systems.

The Agency is moving forward to tackle Administration priorities of addressing the climate crisis and environmental justice issues. Existing work under the current ACE strategic plan contributes to understanding and addressing these two issues. The meeting format will include an introduction to scientific challenges, examples of work within the ORD Research Centers to address these challenges, and an opportunity to interact with scientists leading specific research activities. Please note that only selected air-related aspects of PFAS will be covered in this BOSC subcommittee review, with the broader aspects of ORD's PFAS research portfolio being reviewed by the BOSC Executive Committee in a separate process.

Charge Questions:

Q1: The ACE research program is implementing research to develop new methods to quantify source and near-source emissions, as well as ambient levels, of toxic air pollutants and contaminants of emerging concern. These methods are needed to identify pollutant sources and levels of exposure for communities and individuals.

What suggestion(s)/recommendation(s) does the Subcommittee have on ORD's implementation of its air toxics and contaminants of emerging concern measurements methods research, and how this research will improve our understanding of these pollution sources and exposures, particularly for disproportionately impacted communities? [RA1, RA2, RA4]

Q2: Climate change is expected to continue to increase the negative environmental and human health impacts of wildfires, flooding, drought, and other extreme events. Developing the knowledge and

approaches to build resilience and adapt to these events is critical to preparing communities and protecting vulnerable populations and ecosystems.

What suggestion(s)/recommendation(s) does the Subcommittee have on ORD's implementation of research to understand effects of climate-driven changes on natural and human systems, adverse impacts on human health and the environment from climate stressors, and approaches to prevent or reduce these impacts? [RA6]

Q3: The Nation's energy and transportation systems are experiencing major transformations in response to economic drivers and to meet the Biden Administration's goal of net-zero carbon emissions by 2050. Understanding the dynamic changes in these complex, interconnected systems is important for understanding impacts of policies and technology changes on emissions of greenhouse gases, air pollutants, and other health and environmental impacts.

What suggestion(s)/recommendation(s) does the Subcommittee have on ORD's implementation of its research portfolio to gain a better understanding of how energy and transportation systems may evolve and the consequences for emissions and other impacts. [RA5]

Summary of Product and Output Information for the Air and Energy 2019-2022 StRAP

Last Updated: September 23, 2021

This table summarizes the Air and Energy (A-E) Products and Outputs completed and delivered in FY19, FY20, and FY21 supporting the 2019-2022 A-E Strategic Research Action Plan (StRAP).[1] Publicly available Product and Output materials can be accessed via links. Drafts of papers that have been submitted, but not yet published, and internal reports are only available to those within EPA. Related links in the final column contain general, publicly available information related to the Product or Output.

Research Area	Product or Output Number[2]	Product or Output Title	Product or Output Materials and Related Links[3]
1	AE.1.1	Output: Release of CMAQ v5.3 and Instrumented Versions Supporting Source Apportionment	CMAQ Website; CMAQ Fact Sheet
1	AE.1.2.1	Product: Evaluation of CMAQv5.3	Appel et al, 2020 (submitted); Presentation, 2019 CMAS; CMAQ Website; CMAQ Fact Sheet
1	AE.1.3.1	Development, Evaluation, and Application of a Multi-scale Modeling Platform to Estimate Ozone Concentrations and Source Contributions Over the Greater Denver Area	Matichuk et al. 2020; CMAS Presentation (Oct 2020)
1	AE.1.5.1	Product: Development of Algorithm for Solid Noise Barrier for Use in Dispersion Models	Heist et al, 2020 (submitted); AMS 2020 Presentation; Near Roadway Website; Science Matters Barriers
1	AE.1.5.6	Product: Spatial Analysis of Volatile Organic Compounds in Rubbertown Area of Louisville, Kentucky using Passive Samplers	Mukerjee et al. 2020.
1	AE.1.6.2 (formerly AE.4.2.2)	Product: Summary of Implications of VCPs for Ozone and PM in Urban Atmospheres (California and the Northeast US)	Qin et al, 2020; Presentation, 2019 CMAS; CMAQ VCP Webpage
1	1.6.10	Development of a VCP Emission Inventory Methodology and Tool	Seltzer et al, 2021
2	AE.2.1.1	Product: Description of carbonaceous particle emissions from a pellet-burning biomass boiler	Hays et al, 2019
2	AE.2.1.2	ISO-protocol, mutagenicity potential research evaluation of biomass pellet fuels for household energy applications	Champion et al, 2020;
2	AE.2.2.1	Product: Comparison of Ozone Measurement Methods in Biomass Burning Plumes	Long et al, 2020

[1] Products and Outputs from the 2016-2019 StRAP are not included here in order to focus on implementation of the existing plans.
[2] Two-digit numbers identify Outputs and three digit numbers identify Products.
[3] Includes Websites, Webpages, Fact Sheets, and/or articles from ORD's public newsletter Science Matters containing related information.

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Summary of Product and Output Information for the Air and Energy 2019-2022 StRAP

Last Updated: September 23, 2021

Research Area	Product or Output Number[2]	Product or Output Title	Product or Output Materials and Related Links[3]
2	AE.2.2.2	Evaluation of Small Form Factor, Battery Powered, Filter Based PM Samplers for Use in Community Monitoring during Wildland Fire Smoke Events	
2	AE.2.2.4	Product: FY20 Activity Report of ORD's Reference and Equivalent Methods Designation Program	Internal Report; AMTIC Website; Criteria Pollutants Webpage
2	2.2.6	FY21 Activity Report of ORD's Reference and Equivalent (R&E) Methods Designation Program	Fiscal Year 2021 Activity Report for the Reference and Equivalent Methods Designation Program
2	AE.2.4	Output: Summary of research advancements to characterize emissions, exposures, and related health and environmental impacts associated with solid-fuel combustion for household energy needs (cooking, heating, and lighting) and outline of priorities for future research	State-of-the-Science Webinar[4]; Household Energy Webpage
2	AE.2.6.1	Product: Summary of Temporal Patterns and Biophysical Controls on Methane Emissions from Reservoirs	Waldo et al, 2020 (submitted)
2	AE.2.2.8	Recommendations for Nationwide Approval of Nafion™ Dryers Upstream of UV-Absorption Ozone Analyzers	Public EPA Report
2	2.2.9	Evaluation of Two Collocated Federal Equivalent Method PM2.5 Instruments, Including Under High Particle Concentrations	Hagler et al, 2021 (draft)
2	AE.2.3.3	FY20 Annual Summary of Next Generation Emission Measurements (NGEM) and Fugitive, Area Source, and Fenceline Research	FY20 Annual Summary of NGEM and Fugitive, Area Source, and Fenceline Research; Mukerjee et al, 2020; Brantley et al, 2019; Stovern et al, 2020; Zimmerle et al, 2020
2	AE.2.3.8	Emission Sampling from Wildland Fires to Inform Improved Emission Factors	Aurell et al. 2021; AirNow Sensor Data Pilot Webinar (Jan 2021); EPA Tools and Resources Webinar (May 2021); Website
3	AE.3.1/3.1.1	Output and Product: Synthesis of progress to improve characterization of deposition budgets for North America and identification of remaining critical knowledge gaps related to nitrogen deposition and assessments of critical loads	Walker et al., 2019

[4] Slides are not posted but were made available to webinar participants upon request.

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Summary of Product and Output Information for the Air and Energy 2019-2022 StRAP

Last Updated: September 23, 2021

Research Area	Product or Output Number[2]	Product or Output Title	Product or Output Materials and Related Links[3]
4	AE.4.1.10	Product: Summary of Modeling PFAS Air Emissions, Chemistry, and Deposition	D'Ambro et al, 2020; PFAS Webpage
4	AE.4.1.13	PFAS Literature Review Paper - Air Sources and Pathways for Perfluorinated Compounds	Owens 2021
4	AE.4.1.15	Other Test Method 45 (OTM-45) Measurement of Selected Per- and Polyfluorinated Alkyl Substances from Stationary Sources	Test Method Document
4	AE.4.3.3	Product: Summary of Field Evaluation of Current EPA Method TO-15A Analysis for Ambient Monitoring of Ethylene Oxide	Internal Report
5	AE.5.2.1	Product: Technical Input White Papers for de novo analyses for the Third Biofuels Report to Congress	Internal Literature Review; Internal Attribution White Paper; Biomass Scenario Model; Second Biofuels Report to Congress
5	AE5.3.1	Analysis of the energy and emission implications of deploying low-emission hydrogen fuels in the transportation sector	Presentation
6	AE.6.2.1	Product: Summary of changes in air quality and health impacts in the U.S. at 2050 and 2090 projected using multiple earth system models and emission scenarios	Nolte et al, 2020 (submitted); Fann et al, 2020 (submitted)
7	AE.7.2.1	Product: Report on Stakeholder Needs Assessment for Air Sensors	Presentation; Internal Report
7	AE.7.3.1	Product: Air Sensor Performance Targets and Test Protocols for $PM_{2.5}$ and Ozone	Ozone Internal Report; PM Internal Report; ASIC 2020 Presentation; Air Sensor Toolbox
7	AE.7.3.5	Product: EPA Wildland Fire Air Sensor Challenge: Summary of Performance and Evaluation of Submitted Sensor Pods	Landis et al, 2020 (submitted); Science Matters: Challenge Winners
7	AE.7.4.1	Product: Summary and Evaluation of MPAS Retrospective Meteorology Applied to Global Air Quality Modeling	Gilliam et al, 2020 (submitted); Advance Air Quality Models Webpage
7	7.4.4	Software tools for the Generation of MPAS Horizontal Meshes to Support Global to Regional Coupled Meteorology and Air Quality Modeling	Combination of Fortran and C++ code and Linux and Python scripts encapsulated into one gzipped tar file currently located on the Atmos compute server: mesh_code **[ORD-043249]**
9	AE.9.1.7	Product: A Framework for Assessing Trade-Offs in Wildland Fire Management	Hall et al, 2020 (submitted)

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CC: Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; O'Farrell, Thomas [OFarrell.Thomas@epa.gov]; Art Werner Ex. 6 Hains, Jennifer (MDH) [Jennifer.Hains@state.mn.us]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Lass, Taylor [Lass.Taylor@epa.gov]; ACE Team [ACE_Team@epa.gov]; Chung, Serena [chung.serena@epa.gov]; Miller, Andy [Miller.Andy@epa.gov]; Lazzarino, Elisa [lazzarino.elisa@epa.gov]; Vu, Chau [Vu.Chau@epa.gov]; Elleman, Robert [Elleman.Robert@epa.gov]; Hill, Annelise [Hill.Annelise@epa.gov]; Shatas, Angie [Shatas.Angie@epa.gov]; Hassett-Sipple, Beth [Hassett-Sipple.Beth@epa.gov]; Watkins, Tim [Watkins.Tim@epa.gov]; Gilliland, Alice [Gilliland.Alice@epa.gov]; Hagler, Gayle [Hagler.Gayle@epa.gov]; Holt, Kay [Holt.Kay@epa.gov]; Phelps, Lara [Phelps.Lara@epa.gov]; Pierce, Tom [Pierce.Tom@epa.gov]; Yelverton, Tiffany [Yelverton.Tiffany@epa.gov]; Benner, Tim [Benner.Tim@epa.gov]; Tran, Lynn [Tran.Lynn@epa.gov]; Stearns, Bailey [stearns.bailey@epa.gov]; Sams, Elizabeth [Sams.Elizabeth@epa.gov]; Brown, Ann [Brown.Ann@epa.gov]; Clark, Christopher [Clark.Christopher@epa.gov]; Bierwagen, Britta [Bierwagen.Britta@epa.gov]; Vette, Alan [Vette.Alan@epa.gov]; Winner, Darrell [Winner.Darrell@epa.gov]; Dodder, Rebecca [Dodder.Rebecca@epa.gov]; Beedlow, Peter [Beedlow.Peter@epa.gov]

Attachments: Climate Change Tools.pdf; ACE BOSC_CQ1_Relevant Outputs-Products.pdf; ACE BOSC_CQ2_Relevant Outputs-Products.pdf; ACE BOSC_CQ3_Relevant Outputs-Products.pdf; ACE BOSC_STAR and Other ORD Research_October2021.pdf; AE BOSC 20211012 Agenda FINAL_v2.pdf; AE BOSC 20211012 Charge Questions FINAL.pdf; AE Deliverables Table for BOSC 2021.pdf

Start: 10/13/2021 3:00:00 PM
End: 10/13/2021 10:00:00 PM

Recurrence: (none)

Required Attendees: Tracy, Tom; ca.geffen@pnnl.gov; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01 Ex. 6 Hubbell, Bryan; Bertrand, Savannah; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu; Hunt, Sherri; Sandy Smith

Optional Attendees: Ross, Mary; Doa, Maria; Penalva-Arana, Carolina; Trentacoste, Emily; O'Farrell, Thomas; artwerner01 Ex. 6 Hains, Jennifer (MDH); Frey, Christopher; Rodan, Bruce; Lass, Taylor; A-E Team; Chung, Serena; Miller, Andy; Lazzarino, Elisa; Vu, Chau; Elleman, Robert; Hill, Annelise; Shatas, Angie; Hassett-Sipple, Beth; Watkins, Tim; Gilliland, Alice; Hagler, Gayle; Holt, Kay; Phelps, Lara; Pierce, Tom; Yelverton, Tiffany; Benner, Tim; Tran, Lynn; Stearns, Bailey; Brown, Ann; Clark, Christopher; Bierwagen, Britta; Vette, Alan; Winner, Darrell; Dodder, Rebecca; Beedlow, Peter; Sams, Elizabeth

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 4/29/2021 4:31:37 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith [Ex. 6] Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes [Ex. 6] jennifer hains [Ex. 6] Keslar, Cara [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Rohr, Annette [ARohr@epri.com]; Constance Senior [connie@conniesenior.com]; Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; Bertrand, Savannah [Bertrand.Savannah@epa.gov]; canden.byrd@icf.com [Canden.Byrd@icf.com]; Scheuer, Amy [amy.scheuer@icf.com]; Paul Gilman [PGilman@covanta.com]; ljohnson@d.umn.edu
CC: Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; O'Farrell, Thomas [OFarrell.Thomas@epa.gov]; Art Werner [Ex. 6] Hains, Jennifer (MDH) [Jennifer.Hains@state.mn.us]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Lass, Taylor [Lass.Taylor@epa.gov]

Subject: BOSC AE Subcommittee Mtg
Attachments: Untitled Attachment; Untitled Attachment; Untitled Attachment; Climate Change Tools.pdf; ACE BOSC_CQ1_Relevant Outputs-Products.pdf; ACE BOSC_CQ2_Relevant Outputs-Products.pdf; ACE BOSC_CQ3_Relevant Outputs-Products.pdf; ACE BOSC_STAR and Other ORD Research_October2021.pdf; AE BOSC 20211012 Agenda FINAL_v2.pdf; AE BOSC 20211012 Charge Questions FINAL.pdf; AE Deliverables Table for BOSC 2021.pdf
Location: ZOOM - Connection Info Below

Start: 10/12/2021 3:00:00 PM
End: 10/12/2021 10:00:00 PM
Show Time As: Tentative

Recurrence: Daily
every day from 11:00 AM to 6:00 PM
Required Attendees: ca.geffen@pnnl.gov; Sandy Smith; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01[Ex. 6] Hubbell, Bryan; Hunt, Sherri; Bertrand, Savannah; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu
Optional Attendees: Ross, Mary; Doa, Maria; Penalva-Arana, Carolina; Trentacoste, Emily; O'Farrell, Thomas; artwerner01[Ex. 6] Hains, Jennifer (MDH); Frey, Christopher; Rodan, Bruce; Lass, Taylor

[Ex. 6]

Meeting ID: [Ex. 6]
Passcode: [Ex. 6]

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 4/29/2021 4:31:37 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith [Ex. 6] Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes [Ex. 6] jennifer hains [Ex. 6] Keslar, Cara [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Rohr, Annette [arohr@epri.com]; Constance Senior [connie@conniesenior.com]; 'artwerner01[Ex. 6] Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; Bertrand, Savannah [Bertrand.Savannah@epa.gov]; canden.byrd@icf.com; Amy.scheuer@icf.com; Gilman,Paul [PGilman@covanta.com]; ljohnson@d.umn.edu
CC: Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; O'Farrell, Thomas [OFarrell.Thomas@epa.gov]; Art Werner [Ex. 6] Hains, Jennifer (MDH) [Jennifer.Hains@state.mn.us]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Lass, Taylor [Lass.Taylor@epa.gov]; ACE Team [ACE_Team@epa.gov]; Chung, Serena [chung.serena@epa.gov]; Miller, Andy [Miller.Andy@epa.gov]; Lazzarino, Elisa [lazzarino.elisa@epa.gov]; Vu, Chau [Vu.Chau@epa.gov]; Elleman, Robert [Elleman.Robert@epa.gov]; Hill, Annelise [Hill.Annelise@epa.gov]; Shatas, Angie [Shatas.Angie@epa.gov]; Hassett-Sipple, Beth [Hassett-Sipple.Beth@epa.gov]; Clark, Christopher [Clark.Christopher@epa.gov]; Bierwagen, Britta [Bierwagen.Britta@epa.gov]; Watkins, Tim [Watkins.Tim@epa.gov]; Gilliland, Alice [Gilliland.Alice@epa.gov]; Hagler, Gayle [Hagler.Gayle@epa.gov]; Holt, Kay [Holt.Kay@epa.gov]; Vette, Alan [Vette.Alan@epa.gov]; Phelps, Lara [Phelps.Lara@epa.gov]; Dodder, Rebecca [Dodder.Rebecca@epa.gov]; Pierce, Tom [Pierce.Tom@epa.gov]; Yelverton, Tiffany [Yelverton.Tiffany@epa.gov]; Benner, Tim [Benner.Tim@epa.gov]; Tran, Lynn [Tran.Lynn@epa.gov]; Brown, Ann [Brown.Ann@epa.gov]; Stearns, Bailey [stearns.bailey@epa.gov]; Winner, Darrell [Winner.Darrell@epa.gov]; Beedlow, Peter [Beedlow.Peter@epa.gov]; Sams, Elizabeth [Sams.Elizabeth@epa.gov]

Subject: BOSC AE Subcommittee Mtg
Attachments: Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Climate Change Tools.pdf; ACE BOSC_CQ1_Relevant Outputs-Products.pdf; ACE BOSC_CQ2_Relevant Outputs-Products.pdf; ACE BOSC_CQ3_Relevant Outputs-Products.pdf; ACE BOSC_STAR and Other ORD Research_October2021.pdf; AE BOSC 20211012 Charge Questions FINAL.pdf; ACE Deliverables Table for BOSC 2021.pdf; AE BOSC 20211012 Agenda.pdf
Location: ZOOM - Connection Info Below

Start: 10/12/2021 3:00:00 PM
End: 10/12/2021 10:00:00 PM
Show Time As: Tentative

Recurrence: Daily
every day from 11:00 AM to 6:00 PM
Required Attendees: ca.geffen@pnnl.gov; Sandy Smith; 'Viney Aneja'; Jeffrey.R.Arnold@usace.army.mil; Bart Croes; Jennifer Hains; Cara Keslar; mtkleinm@uci.edu; Myron J Mitchell; Louie Rivers; Rohr, Annette; connie@conniesenior.com; 'artwerner01[Ex. 6] Hubbell, Bryan; Hunt, Sherri; Bertrand, Savannah; Byrd, Canden; Scheuer, Amy; Gilman,Paul ; ljohnson@d.umn.edu
Optional Attendees: Ross, Mary; Doa, Maria; Penalva-Arana, Carolina; Trentacoste, Emily; O'Farrell, Thomas; artwerner01[Ex. 6] Hains, Jennifer (MDH); Frey, Christopher; Rodan, Bruce; Lass, Taylor; A-E Team; Chung, Serena; Miller, Andy; Lazzarino, Elisa; Vu, Chau; Elleman, Robert; Hill, Annelise; Shatas, Angie; Hassett-Sipple, Beth; Clark, Christopher; Bierwagen, Britta; Watkins, Tim; Gilliland, Alice; Hagler, Gayle; Holt, Kay; Vette, Alan; Phelps, Lara; Dodder, Rebecca; Pierce, Tom; Yelverton, Tiffany; Benner, Tim; Tran, Lynn; Brown, Ann; Stearns, Bailey; Winner, Darrell; Beedlow, Peter; Sams, Elizabeth

[Ex. 6]

Meeting ID: [Ex. 6]
Passcode: [Ex. 6]

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 4/29/2021 4:31:37 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith [Ex. 6] Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes [Ex. 6]; jennifer hains [Ex. 6] Keslar, Cara [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Rohr, Annette [ARohr@epri.com]; Constance Senior [connie@conniesenior.com]; Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; Bertrand, Savannah [Bertrand.Savannah@epa.gov]; canden.byrd@icf.com; Scheuer, Amy [amy.scheuer@icf.com]; Gilman,Paul [PGilman@covanta.com]; ljohnson@d.umn.edu
CC: Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; O'Farrell, Thomas [OFarrell.Thomas@epa.gov]; Art Werner [Ex. 6] Hains, Jennifer (MDH) [Jennifer.Hains@state.mn.us]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Lass, Taylor [Lass.Taylor@epa.gov]; ACE Team [ACE_Team@epa.gov]; Chung, Serena [chung.serena@epa.gov]; Miller, Andy [Miller.Andy@epa.gov]; Lazzarino, Elisa [lazzarino.elisa@epa.gov]; Vu, Chau [Vu.Chau@epa.gov]; Elleman, Robert [Elleman.Robert@epa.gov]; Hill, Annelise [Hill.Annelise@epa.gov]; Shatas, Angie [Shatas.Angie@epa.gov]; Hassett-Sipple, Beth [Hassett-Sipple.Beth@epa.gov]; Clark, Christopher [Clark.Christopher@epa.gov]; Bierwagen, Britta [Bierwagen.Britta@epa.gov]; Watkins, Tim [Watkins.Tim@epa.gov]; Gilliland, Alice [Gilliland.Alice@epa.gov]; Hagler, Gayle [Hagler.Gayle@epa.gov]; Holt, Kay [Holt.Kay@epa.gov]; Vette, Alan [Vette.Alan@epa.gov]; Phelps, Lara [Phelps.Lara@epa.gov]; Dodder, Rebecca [Dodder.Rebecca@epa.gov]; Pierce, Tom [Pierce.Tom@epa.gov]; Yelverton, Tiffany [Yelverton.Tiffany@epa.gov]; Benner, Tim [Benner.Tim@epa.gov]; Tran, Lynn [Tran.Lynn@epa.gov]; Brown, Ann [Brown.Ann@epa.gov]; Stearns, Bailey [stearns.bailey@epa.gov]; Winner, Darrell [Winner.Darrell@epa.gov]; Beedlow, Peter [Beedlow.Peter@epa.gov]; Sams, Elizabeth [Sams.Elizabeth@epa.gov]; Robarge, Gail [Robarge.Gail@epa.gov]; Saterson, Kathryn [Saterson.Kathryn@epa.gov]

Subject: BOSC AE Subcommittee Mtg
Attachments: Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Climate Change Tools.pdf; ACE BOSC_CQ1_Relevant Outputs-Products.pdf; ACE BOSC_CQ2_Relevant Outputs-Products.pdf; ACE BOSC_CQ3_Relevant Outputs-Products.pdf; ACE BOSC_STAR and Other ORD Research_October2021.pdf; AE BOSC 20211012 Charge Questions FINAL.pdf; ACE Deliverables Table for BOSC 2021.pdf; AE BOSC 20211012 Agenda.pdf
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Start: 10/12/2021 3:00:00 PM
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Ex. 6

Meeting ID: Ex. 6
Passcode: Ex. 6

Appointment

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Sent: 4/29/2021 4:31:37 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; ca.geffen@pnnl.gov; Sandy Smith [Ex. 6] Viney P Aneja [vpaneja@ncsu.edu]; Jeffrey.R.Arnold@usace.army.mil; Bart Croes [Ex. 6] jennifer hains [Ex. 6] Keslar, Cara [cara.keslar@wyo.gov]; mtkleinm@uci.edu; Myron Mitchell [mitchell@syr.edu]; lrivers@ncsu.edu; Rohr, Annette [ARohr@epri.com]; Constance Senior [connie@conniesenior.com]; Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Hunt, Sherri [Hunt.Sherri@epa.gov]; Bertrand, Savannah [Bertrand.Savannah@epa.gov]; canden.byrd@icf.com; Scheuer, Amy [amy.scheuer@icf.com]; Gilman,Paul [PGilman@covanta.com]; ljohnson@d.umn.edu
CC: Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; O'Farrell, Thomas [OFarrell.Thomas@epa.gov]; Art Werner [Ex. 6] Hains, Jennifer (MDH) [Jennifer.Hains@state.mn.us]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Lass, Taylor [Lass.Taylor@epa.gov]; ACE Team [ACE_Team@epa.gov]; Chung, Serena [chung.serena@epa.gov]; Miller, Andy [Miller.Andy@epa.gov]; Lazzarino, Elisa [lazzarino.elisa@epa.gov]; Vu, Chau [Vu.Chau@epa.gov]; Elleman, Robert [Elleman.Robert@epa.gov]; Hill, Annelise [Hill.Annelise@epa.gov]; Shatas, Angie [Shatas.Angie@epa.gov]; Hassett-Sipple, Beth [Hassett-Sipple.Beth@epa.gov]; Clark, Christopher [Clark.Christopher@epa.gov]; Bierwagen, Britta [Bierwagen.Britta@epa.gov]; Watkins, Tim [Watkins.Tim@epa.gov]; Gilliland, Alice [Gilliland.Alice@epa.gov]; Hagler, Gayle [Hagler.Gayle@epa.gov]; Holt, Kay [Holt.Kay@epa.gov]; Vette, Alan [Vette.Alan@epa.gov]; Phelps, Lara [Phelps.Lara@epa.gov]; Dodder, Rebecca [Dodder.Rebecca@epa.gov]; Pierce, Tom [Pierce.Tom@epa.gov]; Yelverton, Tiffany [Yelverton.Tiffany@epa.gov]; Benner, Tim [Benner.Tim@epa.gov]; Tran, Lynn [Tran.Lynn@epa.gov]; Brown, Ann [Brown.Ann@epa.gov]; Stearns, Bailey [stearns.bailey@epa.gov]; Winner, Darrell [Winner.Darrell@epa.gov]; Beedlow, Peter [Beedlow.Peter@epa.gov]; Sams, Elizabeth [Sams.Elizabeth@epa.gov]; Robarge, Gail [Robarge.Gail@epa.gov]; Saterson, Kathryn [Saterson.Kathryn@epa.gov]; Bea Hughes [beahughes1220@gmail.com]

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Ex. 6

Meeting ID: [Ex. 6]
Passcode: **Ex. 6**

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 8/16/2021 1:20:38 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Frey, Christopher [Frey.Christopher@epa.gov]; Cascio, Wayne [Cascio.Wayne@epa.gov]; Scott Ahlstrom [Scott.Ahlstrom@CorixTexas.com]; ahlmai[Ex. 6] Jerad Bales [jdbales@cuahsi.org]; Carr, Steve [scarr@lacsd.org]; sfc9582[Ex. 6] cole.david@deq.state.or.us; jb_doohan[Ex. 6] Timothy Davis [timdavi@bgsu.edu]; jducoste@ncsu.edu; Elizabeth Fassman-Beck [elizabethfb@sccwrp.org]; Hitzhusen, Fred [Hitzhusen.1@osu.edu]; Kate Lajtha [kate.lajtha@oregonstate.edu]; miclorah[Ex. 6] mmlorah@usgs.gov; John Lowenthal [john.lowenthal@cardno-gs.com]; eastmeetswest1[Ex. 6] Joseph V Rodricks [JRodricks@ramboll.com]; Tim Verslycke [tverslycke@gradientcorp.com]; stevew@sccwrp.org; John R White [jrwhite@lsu.edu]; ljohnson@d.umn.edu; VanDrunick, Suzanne [vanDrunick.Suzanne@epa.gov]; Williams, Joe [Williams.Joe@epa.gov]; Rea, Anne [Rea.Anne@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; canden.byrd@icf.com; Lass, Taylor [Lass.Taylor@epa.gov]
CC: Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Hawkins, CherylA [Hawkins.CherylA@epa.gov]; COLE David * DEQ [david.cole@deq.state.or.us]

Subject: BOSC SSWR Virtual Meeting
Location: Connection Information Coming Soon

Start: 12/1/2021 5:00:00 PM
End: 12/1/2021 10:00:00 PM
Show Time As: Tentative

Recurrence: Daily
every day from 12:00 PM to 5:00 PM

-----Original Appointment-----
From: Tracy, Tom <Tracy.Tom@epa.gov>
Sent: Friday, August 13, 2021 12:14 PM
To: Tracy, Tom; Scott Ahlstrom; ahlmai[Ex. 6] Jerad Bales; Carr, Steve; sfc9582[Ex. 6] cole.david@deq.state.or.us; jb_doohan[Ex. 6] Timothy Davis; jducoste@ncsu.edu; Elizabeth Fassman-Beck; Hitzhusen, Fred; Kate Lajtha; miclorah[Ex. 6] mmlorah@usgs.gov; John Lowenthal; eastmeetswest1[Ex. 6] Joseph V Rodricks; Tim Verslycke; stevew@sccwrp.org; John R White; ljohnson@d.umn.edu; VanDrunick, Suzanne; Williams, Joe; Rea, Anne; Trentacoste, Emily; canden.byrd@icf.com; Lass, Taylor
Cc: Ross, Mary; Doa, Maria; Penalva-Arana, Carolina; Hawkins, CherylA; COLE David * DEQ
Subject: BOSC SSWR Virtual Meeting
When: Occurs every day effective 12/1/2021 until 12/2/2021 from 12:00 PM to 5:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Connection Information Coming Soon

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 8/5/2021 2:20:00 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Cascio, Wayne [Cascio.Wayne@epa.gov]; Frey, Christopher [Frey.Christopher@epa.gov]; Paul Gilman [PGilman@covanta.com]; ljohnson@d.umn.edu; jt@pnnl.gov; Paula Olsiewski [olsiewski@outlook.com]; Joseph V Rodricks [JRodricks@ramboll.com]; James Stevens [Ex. 6]; Rubin, Isadore Leslie [lrubi01@emory.edu]; Matthew Naud [Ex. 6] Courtney Flint [Courtney.Flint@usu.edu]; ca.geffen@pnnl.gov; Kari Cutting [Ex. 6] sfc95823 [Ex. 6] Viney P Aneja [vpaneja@ncsu.edu]; Waters, Katrina M [Katrina.Waters@pnnl.gov]; Sandy Smith [Ex. 6]
CC: Lass, Taylor [Lass.Taylor@epa.gov]; canden.byrd@icf.com; Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Hawkins, CherylA [Hawkins.CherylA@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]

Subject: BOSC EC Virtual Meeting
Location: Connection Information Coming Soon

Start: 9/14/2021 7:00:00 PM
End: 9/14/2021 10:00:00 PM
Show Time As: Tentative

-----Original Appointment-----
From: Tracy, Tom <Tracy.Tom@epa.gov>
Sent: Thursday, August 5, 2021 9:52 AM
To: Tracy, Tom; Paul Gilman; ljohnson@d.umn.edu; jt@pnnl.gov; Paula Olsiewski; Joseph V Rodricks; James Stevens; Rubin, Isadore Leslie; Matthew Naud; Courtney Flint; ca.geffen@pnnl.gov; Kari Cutting; sfc95823 [Ex. 6] Viney P Aneja; Waters, Katrina M; Sandy Smith
Cc: Lass, Taylor; canden.byrd@icf.com; Ross, Mary; Doa, Maria; Hawkins, CherylA; Penalva-Arana, Carolina; Trentacoste, Emily
Subject: BOSC EC Virtual Meeting
When: Tuesday, September 14, 2021 3:00 PM-6:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Connection Information Coming Soon

Hi,

This purpose of this meeting is to present and deliberate on the HS and SSWR subcommittee draft reports.

Thank you,

Tom

Appointment

From: Tracy, Tom [Tracy.Tom@epa.gov]
Sent: 8/5/2021 2:21:15 PM
To: Tracy, Tom [Tracy.Tom@epa.gov]; Burden, Susan [Burden.Susan@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Cascio, Wayne [Cascio.Wayne@epa.gov]; Frey, Christopher [Frey.Christopher@epa.gov]; Paul Gilman [PGilman@covanta.com]; ljohnson@d.umn.edu; jt@pnnl.gov; Paula Olsiewski [olsiewski@outlook.com]; Joseph V Rodricks [JRodricks@ramboll.com]; James Stevens [Ex. 6]; Rubin, Isadore Leslie [lrubi01@emory.edu]; Matthew Naud [Ex. 6]; Courtney Flint [Courtney.Flint@usu.edu]; ca.geffen@pnnl.gov; Kari Cutting [Ex. 6]; sfc95823 [Ex. 6] Viney P Aneja [vpaneja@ncsu.edu]; Waters, Katrina M [Katrina.Waters@pnnl.gov]; Sandy Smith [Ex. 6]
CC: Lass, Taylor [Lass.Taylor@epa.gov]; canden.byrd@icf.com; Trentacoste, Emily [trentacoste.emily@epa.gov]; Ross, Mary [Ross.Mary@epa.gov]; Doa, Maria [Doa.Maria@epa.gov]; Hawkins, CherylA [Hawkins.CherylA@epa.gov]; Penalva-Arana, Carolina [Penalva-Arana.Carolina@epa.gov]

Subject: BOSC EC Virtual Mtg - Topic: PFAS
Location: Connection Information Coming Soon

Start: 9/29/2021 4:00:00 PM
End: 9/29/2021 9:00:00 PM
Show Time As: Tentative

Recurrence: Daily
every day from 12:00 PM to 5:00 PM

-----Original Appointment-----
From: Tracy, Tom <Tracy.Tom@epa.gov>
Sent: Thursday, August 5, 2021 9:58 AM
To: Tracy, Tom; Paul Gilman; ljohnson@d.umn.edu; jt@pnnl.gov; Paula Olsiewski; Joseph V Rodricks; James Stevens; Rubin, Isadore Leslie; Matthew Naud; Courtney Flint; ca.geffen@pnnl.gov; Kari Cutting; sfc95823 [Ex. 6] Viney P Aneja; Waters, Katrina M; Sandy Smith
Cc: Lass, Taylor; canden.byrd@icf.com; Trentacoste, Emily; Ross, Mary; Doa, Maria; Hawkins, CherylA; Penalva-Arana, Carolina; Burden, Susan
Subject: BOSC EC Virtual Mtg - Topic: PFAS
When: Occurs every day effective 9/29/2021 until 9/30/2021 from 12:00 PM to 5:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Connection Information Coming Soon

Appointment

From: Goffman, Joseph [Goffman.Joseph@epa.gov]
Sent: 5/18/2021 6:52:17 PM
To: Goffman, Joseph [Goffman.Joseph@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; fkrupp@edf.org; Vickie Patton [vpatton@edf.org]; Chester France [cjfrance@sbcglobal.net]; pzalzal@edf.org; Dunham, Sarah [Dunham.Sarah@epa.gov]; Hengst, Benjamin [Hengst.Benjamin@epa.gov]
CC: Charmley, William [charmley.william@epa.gov]

Subject: Meeting with EDF re: Heavy Duty
Attachments: External meeting request_ (002).docx; RE: [EXTERNAL] RE: Meeting with OAR of EPA
Location: Microsoft Teams

Start: 5/19/2021 10:00:00 PM
End: 5/19/2021 10:30:00 PM
Show Time As: Busy

Required Attendees: Goffman, Joseph; Alejandra Nunez (Nunez.Alejandra@epa.gov); fkrupp@edf.org; Vickie Patton; Chester France; pzalzal@edf.org; 'Dunham, Sarah (Dunham.Sarah@epa.gov)'; Benjamin Hengst
Optional Attendees: William Charmley (charmley.william@epa.gov)

External meeting request_ (002).d... RE: [EXTERNAL] RE: Meeting with...

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[SEQ CHAPTER \h \r 1]External Meeting Request Form for Joe Goffman

Today's Date: 05/18/2021

Requesting Organization: Environmental Defense Fund

Title of the Meeting: New Freight Vehicles

Purpose:

Background:

Earliest possible date for the meeting: 05/19/2021

Last possible date for the meeting:

Is the meeting urgent and if so, why?

Requested Time Length: 30 minutes

Invitees: Fred Krupp, Vickie Patton, Chester France, Peter Zalzal

External Participants:

Teleconference Required?

Video Conference Required? Yes

Point of Contact for the Meeting: Shira Copans (scopans@edf.org)

Message

From: Shira Copans [scopans@edf.org]
Sent: 5/18/2021 7:29:43 PM
To: Rakosnik, Delaney [rakosnik.delaney@epa.gov]
CC: Nancy Reyes [nreyes@edf.org]
Subject: RE: [EXTERNAL] RE: Meeting with OAR of EPA
Attachments: External meeting request_ (002).docx

Please see attached. I hope this is ok.

Thanks,
Shira

From: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
Sent: Tuesday, May 18, 2021 3:19 PM
To: Shira Copans <scopans@edf.org>
Cc: Nancy Reyes <nreyes@edf.org>
Subject: RE: [EXTERNAL] RE: Meeting with OAR of EPA

Also, can you please fill out the attached form? Many thanks!!

From: Shira Copans <scopans@edf.org>
Sent: Tuesday, May 18, 2021 3:08 PM
To: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
Cc: Nancy Reyes <nreyes@edf.org>
Subject: RE: [EXTERNAL] RE: Meeting with OAR of EPA

Dear Delaney,
Mr. Krupp will be delighted to meet tomorrow at 6 PM ET.

He would like to ask his colleagues Vickie Patton, Chet France and Peter Zalzal to join him.

Please advise how to connect to this meeting.

Thank you,

Shira Copans
Senior Executive Assistant to the President

Environmental Defense Fund
257 Park Ave S
New York, NY 10010
T 212 616 1286
C 917 755 2444
scopans@edf.org
edf.org

From: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
Sent: Tuesday, May 18, 2021 2:51 PM
To: Fred Krupp <fkrupp@edf.org>
Subject: [EXTERNAL] RE: Meeting with OAR of EPA

Hello again,

Can you meet tomorrow (Wed) at 6pm EST?

Apologies for the late request, but we are pretty eager to speak to you.

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: Rakosnik, Delaney
Sent: Tuesday, May 18, 2021 2:36 PM
To: fkrupp@edf.org
Subject: Meeting with OAR of EPA

Hello Mr. Krupp,

Joe Goffman of EPA is happy to meet this week concerning New Freight Vehicles. Can you meet on Friday, May 21st at 4pm? I'm happy to explore other options if need be. Please let me know your thoughts.

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

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Appointment

From: Goffman, Joseph [Goffman.Joseph@epa.gov]
Sent: 3/23/2021 11:49:10 AM
To: Goffman, Joseph [Goffman.Joseph@epa.gov]; David Friedman [david.friedman@consumer.org]; Kim, Eun [Kim.Eun@epa.gov]; Dunham, Sarah [Dunham.Sarah@epa.gov]; Hengst, Benjamin [Hengst.Benjamin@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; awarner@edf.org; darien_davis@lcv.org
CC: Charmley, William [charmley.william@epa.gov]; Simon, Karl [Simon.Karl@epa.gov]; Tonachel, Luke [ltonachel@nrdc.org]; JHamilton@ucsusa.org; Longstreth, Ben [blongstreth@nrdc.org]; pcort@earthjustice.org; andreacolomina@greenlatinos.org; dbecker@biologicaldiversity.org; terry@evhybridnoire.com; phuether@aceee.org; Paul.Billings@lung.org

Subject: Meeting with the Clean Vehicles Coalition re: Clean Air Standards
Attachments: RE: FW: URGENT: Invitation from the Clean Vehicles Coalition; External meeting request_CR-Clean Vehicles Coalition.docx
Location: Microsoft Teams Meeting

Start: 4/2/2021 5:00:00 PM
End: 4/2/2021 5:30:00 PM
Show Time As: Busy

Required Attendees: David Friedman; Kim, Eun; 'Dunham, Sarah (Dunham.Sarah@epa.gov)'; Benjamin Hengst; Nunez, Alejandra; awarner@edf.org; darien_davis@lcv.org
Optional Attendees: William Charmley (charmley.william@epa.gov); Karl Simon; Paul.Billings@lung.org; ltonachel@nrdc.org; JHamilton@ucsusa.org; Longstreth, Ben; pcort@earthjustice.org; andreacolomina@greenlatinos.org; dbecker@biologicaldiversity.org; terry@evhybridnoire.com; phuether@aceee.org

RE: FW: URGENT: Invitation from th... External meeting request_CR-Clea...

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Message

From: Rakosnik, Delaney [rakosnik.delaney@epa.gov]
Sent: 3/16/2021 9:27:42 PM
To: david.friedman@consumer.org
Subject: RE: FW: URGENT: Invitation from the Clean Vehicles Coalition

Hi Mr. Friedman,

Do you have a moment to chat about what you need?

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: David Friedman <david.friedman@consumer.org>
Sent: Tuesday, March 16, 2021 1:53 PM
To: Kabanda, Thierry <Kabanda.Thierry@epa.gov>
Cc: dgagne@partnershipproject.org; Campbell, Ann <Campbell.Ann@epa.gov>; Rakosnik, Delaney <rakosnik.delaney@epa.gov>; OAR Invitations <OAR_Invitations@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: Re: FW: URGENT: Invitation from the Clean Vehicles Coalition

Hi Thierry,

I hope you are safe and well.

I'm checking back in on our request. Please let me know if there's anything I can do to help make this happen.

Sincerely,
David

On Mon, Mar 1, 2021 at 4:49 PM David Friedman <david.friedman@consumer.org> wrote:

> Thank you very much Thierry.
>
> Attached please find the form. I filled it out as the initiator, but while she will not be attending, Danielle can help coordinate.
>
> Looking forward to the conversation.
>
> Sincerely,
> David

On Fri, Feb 26, 2021 at 10:04 AM Kabanda, Thierry <Kabanda.Thierry@epa.gov> wrote:

Good morning Danielle,

I'm following up on this request to find out more about this engagement. What is the format, who will be involved, is there going to be remarks followed by Q&As? Please let me know soonest, so we can facilitate. I have attached a request form that can assist.

Thierry Kabanda, MBA

Staff Assistant

EPA/Office of Air and Radiation

Office: (202)-564-8604

Cell: (202)-281-6537

From: Danielle Gagne <dgagne@partnershipproject.org>
Sent: Thursday, February 25, 2021 11:59 AM
To: David Friedman <david.friedman@consumer.org>
Cc: Goffman, Joseph <Goffman.Joseph@epa.gov>
Subject: Re: Invitation from the Clean Vehicles Coalition

Thanks, David!

Joe, happy to help facilitate a time that works best for you.

On Thu, Feb 25, 2021 at 10:57 AM David Friedman <david.friedman@consumer.org> wrote:

Hi and thank you Joe. It will be great to catch up.

I'm looping in the most excellent person helping us run the coalition, Danielle Gagne, to also help facilitate the connection and timing.

We'd love to invite you to our next advisory committee meeting, which is Tuesday at 2pm. And if that does not work, just let us know and we can be as flexible as possible.

Sincerely,

David

On Thu, Feb 25, 2021 at 7:55 AM Goffman, Joseph <Goffman.Joseph@epa.gov> wrote:

Hi, David and Dan. Great to connect. We will set something up. Thanks.

Sent from my iPhone

On Feb 25, 2021, at 7:51 AM, Utech, Dan <Utech.Dan@epa.gov> wrote:

HI David – Thanks for your email. I'm cc'ing Joe, as I think that meeting with him and his team would be the best next step. Best, Dan

---

From: David Friedman <david.friedman@consumer.org>
Sent: Wednesday, February 24, 2021 7:13 PM
To: Utech, Dan <Utech.Dan@epa.gov>
Subject: Re: Invitation from the Clean Vehicles Coalition

Hi Dan,

Our coalition just had a great call with Ali and Austin. As part of it he encouraged us to connect with EPA and the other agencies, so I wanted to take this chance to reach back out to see if we might set up a time for you to engage with us.

I am sure you are totally slammed, but it would be great for us to connect with you, and perhaps Joe, as it sounds like conversations with stakeholders and momentum are building up.

Also, so you know, multiple members of the coalition are sending a letter tomorrow to POTUS laying out support for moving forward on strong standards. While CR is not on that letter, we are supportive of many of the positions. So, walking through folks thinking on that and related issues could also be on the table for a good conversation.

Hope you are safe and well.

Sincerely,

David

On Fri, Feb 12, 2021 at 12:27 PM David Friedman <david.friedman@consumer.org> wrote:

> Hi Dan,
>
> Congratulations again on your role and on Administrator-nominee Regan's successful committee vote. I hope you are settling in well and are drinking from only 5-6 fire hoses at once.
>
> I represent Consumer Reports on the Clean Vehicles Coalition, which consists of leaders from health, environmental justice, equity, investor-linked, environmental and consumer groups. I wanted to invite you to join an upcoming meeting of our advisory committee for a brief conversation. It would be great for everyone to learn about your efforts at EPA and talk about the clean car standards. Would you be open to meeting with our group, perhaps next week?
>
> This advisory committee consists of the American Lung Association, GreenforAll, Ceres, Union of Concerned Scientists, Environmental Defense Fund, NRDC, Sierra Club, and Consumer Reports.
>
> I look forward to the chance to reconnect, at least virtually!
>
> Hoping you are safe and well.
>
> Sincerely,

David

--

David Friedman

Vice President, Advocacy o (202) 462-6262 ext 7426
CR.org CR.org/advocacy

--

David Friedman

Vice President, Advocacy o (202) 462-6262 ext 7426
CR.org CR.org/advocacy

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David Friedman

Vice President, Advocacy o (202) 462-6262 ext 7426
CR.org CR.org/advocacy

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David Friedman

Vice President, Advocacy o (202) 462-6262 ext 7426

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David Friedman

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External Meeting Request Form for OAR

Today's Date: 3/1/2021

Requesting Organization: Consumer Reports in concert with the Clean Vehicles Coalition

Title of the Meeting: Clean Car Standards

Purpose: learn about EPA plans and inform EPA leadership about coalition priorities and analysis

Background: POTUS has laid out a path to addressing the CA waiver by April and rolling back the roll back with a proposal by July, both very tight timelines, so critical to engage with key stakeholders like those in this coalition early in the process.

Is this meeting related to ongoing litigation: No

Earliest possible date for the meeting: Tuesday, March 2nd at 2pm, but we can be very flexible

Last possible date for the meeting: we are looking for a meeting in the next week or two

Is the meeting urgent and if so, why: urgent because the administration has promised swift action and, based on a meeting with representatives from the White House last week, conversations with key stakeholders are underway.

Requested Time Length: 45 minutes

Have you met with anyone within EPA: not yet on this topic

Invitees: Joe Goffman, Dan Utech, and other staff they designate as appropriate

External Participants:

Mandy Warner	EDF	awarner@edf.org
Katherine Garcia	Sierra Club	katherine.garcia@sierraclub.org
Carol Lee	Ceres	rawn@ceres.org
Darien Davis	League of Conservation Voters	darien_davis@lcv.org
Shannon Baker/Branstetter	Green for All	shannon@dreamcorps.us
Paul Billings	American Lung Association	Paul.Billings@lung.org
Luke Tonachel	NRDC	Ltonachel@nrdc.org
Jonna Hamilton	Union of Concerned Scientists	JHamilton@ucsusa.org

David Friedman	CR	david.friedman@consumer.org

Teleconference Required: yes

Video Conference Required: yes

Point of Contact for the Meeting: Danielle Gagne (dgagne@partnershipproject.org)

Please email this form back to OAR_Invitations@epa.gov

Appointment

From: scheduling [scheduling@epa.gov]
Sent: 6/21/2021 7:52:51 PM
To: scheduling [scheduling@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Lucey, John [Lucey.John.D@epa.gov]; Vickie Patton [vpatton@edf.org]; tom.linebarger@cummins.com; melina.kennedy@cummins.com; Dunham, Sarah [Dunham.Sarah@epa.gov]; traci.kraus@cummins.com; matthew.spears@cummins.com; fkrupp@edf.org; Chester France [cjfrance@sbcglobal.net]; Goffman, Joseph [Goffman.Joseph@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; McCabe, Janet [McCabe.Janet@epa.gov]; 229SmallTraining.VideoConferenceRoom@cummins.com; pzalzal@edf.org

Subject: Video-call: Environmental Defense Fund and Cummins
Location: Ex. 6

Start: 6/28/2021 1:30:00 PM
End: 6/28/2021 2:15:00 PM
Show Time As: Busy

Required Attendees: Levy, Maxwell; Enobakhare, Rosemary; Lucey, John; Vickie Patton; tom.linebarger@cummins.com; melina.kennedy@cummins.com; Dunham, Sarah; traci.kraus@cummins.com; matthew.spears@cummins.com; fkrupp@edf.org; cjfrance@sbcglobal.net; Goffman, Joseph; Nunez, Alejandra; McCabe, Janet; 229SmallTraining.VideoConferenceRoom@cummins.com; pzalzal@edf.org

Do not forward this invitation. Please notify Scheduling & Advance if participant changes need to be made.

-Administrator Regan
-John Lucey

Virtual
-Deputy Administrator McCabe
-Rosemary Enobakhare, OPEEE
-Max Levy, OPEEE
-Sarah Dunham, OAR
-Ale Nunez, OAR
-Fred Krupp, Environmental Defense Fund
-Vickie Patton, Environmental Defense Fund
-Chet France, Environmental Defense Fund
-Peter Zalzal, Environmental Defense Fund
-Tom Linebarger, Cummins
-Melina Kennedy, Cummins
-Traci Kraus, Cummins
-Matthew Spears, Cummins

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Ex. 6

Join by H.323

Ex. 6

(US West)
(US East)

Meeting ID: Ex. 6

Appointment

From: Goffman, Joseph [Goffman.Joseph@epa.gov]
Sent: 3/15/2021 3:12:53 PM
To: Goffman, Joseph [Goffman.Joseph@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Dunham, Sarah [Dunham.Sarah@epa.gov]; Vickie Patton [vpatton@edf.org]; Chester France [cjfrance@sbcglobal.net]; pzalzal@edf.org; Kim, Eun [Kim.Eun@epa.gov]; Hengst, Benjamin [Hengst.Benjamin@epa.gov]
CC: Charmley, William [charmley.william@epa.gov]; Simon, Karl [Simon.Karl@epa.gov]

Subject: Meeting with Environmental Defense Fund re: Air Standards for Light, Medium and Heavy Duty Vehicles
Attachments: RE: [EXTERNAL] FW: Clean Cars Meeting Request; External meeting request_March 15 2021.docx
Location: Microsoft Teams Meeting

Start: 3/30/2021 7:00:00 PM
End: 3/30/2021 7:30:00 PM
Show Time As: Busy

Required Attendees: Goffman, Joseph; Nunez, Alejandra; Dunham, Sarah; Vickie Patton; Chester France; pzalzal@edf.org; Kim, Eun; Benjamin Hengst
Optional Attendees: William Charmley (charmley.william@epa.gov); Simon, Karl (Simon.Karl@epa.gov)

RE: [EXTERNAL] FW: Clean Cars ...
External meeting request_March 1...

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Message

From: Vickie Patton [vpatton@edf.org]
Sent: 3/15/2021 2:46:44 PM
To: Kabanda, Thierry [Kabanda.Thierry@epa.gov]
CC: Rakosnik, Delaney [rakosnik.delaney@epa.gov]; OAR Invitations [OAR_Invitations@epa.gov]; Chester France [cjfrance@sbcglobal.net]; Peter Zalzal [pzalzal@edf.org]
Subject: RE: [EXTERNAL] FW: Clean Cars Meeting Request
Attachments: External meeting request_March 15 2021.docx

Dear Thierry,

Thank you. Please see attached with updated attendee list.

Sincerely yours,
Vickie, 720-837-6239

From: Kabanda, Thierry <Kabanda.Thierry@epa.gov>
Sent: Thursday, March 11, 2021 11:01 AM
To: Vickie Patton <vpatton@edf.org>
Cc: Rakosnik, Delaney <rakosnik.delaney@epa.gov>; OAR Invitations <OAR_Invitations@epa.gov>
Subject: [EXTERNAL] FW: Clean Cars Meeting Request

Good afternoon Vickie,

Please see attached meeting request form to fill out with a list of emails of attendees. We can coordinate the scheduling of this meeting after we have received this form back. Thanks!

Thierry Kabanda, MBA
Staff Assistant
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Office: (202)-564-8604
Cell: (202)-281-6537

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[SEQ CHAPTER \h \r 1]External Meeting Request Form for OAR

Today's Date: March 15, 2021

Requesting Organization: Environmental Defense Fund

Title of the Meeting: Protecting Human health and the environment from car, freight truck, bus (LD/MD/HD) climate and air pollution

Purpose: Present findings of new analyses re extensive health and economic benefits

Background: Transportation sector is one of the single largest sources of climate and air pollution

Is this meeting related to ongoing litigation: No

Earliest possible date for the meeting: March 15, 2021

Last possible date for the meeting: March 31, 2021

Is the meeting urgent and if so, why: EO deadlines

Requested Time Length: one hour

Have you met with anyone within EPA: Sarah Dunham, Bill Charmley

Invitees: Joseph Goffman, Alejandra Nunez, Sarah Dunhm, Bill Charmley

External Participants: Vickie Patton (vpatton@edf.org), Chet France (cjfrance@sbcglobal.net), Peter Zalzal ([HYPERLINK "mailto:pzalzal@edf.org"])

Teleconference Required: Yes

Video Conference Required: Yes

Point of Contact for the Meeting: Vickie Patton, [HYPERLINK "mailto:vpatton@edf.org"] 720-837-6239

Please email this form back to OAR_Invitations@epa.gov

Appointment

From: Goffman, Joseph [Goffman.Joseph@epa.gov]
Sent: 8/4/2021 8:16:03 PM
To: Goffman, Joseph [Goffman.Joseph@epa.gov]; Branning, Amy [Branning.Amy@epa.gov]; Hogan, Stephanie [Hogan.Stephanie@epa.gov]; Mills, Derek [Mills.Derek@epa.gov]; Marks, Matthew [marks.matthew@epa.gov]; Srinivasan, Gautam [Srinivasan.Gautam@epa.gov]; Heather Gange [heather.gange@usdoj.gov]; morgan.costello@ag.ny.gov; michael.myers@ag.ny.gov; christopher.gore@ag.ny.gov; turner.smith@state.ma.us; Herzog, Megan (AGO) [megan.herzog@state.ma.us]; timothy.sullivan@dog.ca.gov; daniel.lucas@doj.ca.gov; caitlan.mcloon@doj.ca.gov; matt@donahuegoldberg.com; pzalzal@edf.org; Kim, Eunjung [Kim.Eun@epa.gov]; Culligan, Kevin [culligan.kevin@epa.gov]

Subject: Settlement of Oil and Gas 111(b) Unreasonable Delay Suit Plaintiffs
Attachments: 2021 External meeting requests Goffman OG Methane Settlement sent.docx
Location: Microsoft Teams Meeting

Start: 8/6/2021 7:00:00 PM
End: 8/6/2021 7:30:00 PM
Show Time As: Busy

Required Attendees: Branning, Amy; Hogan, Stephanie; Mills, Derek; Marks, Matthew; Srinivasan, Gautam; heather.gange@usdoj.gov; morgan.costello@ag.ny.gov; michael.myers@ag.ny.gov; christopher.gore@ag.ny.gov; turner.smith@state.ma.us; Herzog, Megan (AGO); timothy.sullivan@dog.ca.gov; daniel.lucas@doj.ca.gov; caitlan.mcloon@doj.ca.gov; matt@donahuegoldberg.com; pzalzal@edf.org; Kim, Eunjung; Culligan, Kevin

2021 External meeting requests...

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[SEQ CHAPTER \h \r 1]External Meeting Request Form for Joe Goffman

Today's Date: July 29, 2021

Requesting Organization: New York Office of the Attorney General, California Department of Justice, Massachusetts Office of the Attorney General, and the Environmental Defense Fund

Title of the Meeting: Settlement of Oil and Gas Methane Emission Guidelines Unreasonable Delay Litigation **(Meeting Protected by FRE 408)**

Purpose: Discussion of potential settlement of *New York et al. v. EPA*, 18-cv-773 (DDC)

Background: Fourteen states (NY, CA, MA, CT, IL, IA, ME, MD, NM, OR, PA, RI, VT, and WA), the District of Columbia, the City of Chicago, and the Environmental Defense Fund brought action over three years ago to compel EPA to comply with an obligation under section 111(d) of the Clean Air Act, and applicable regulations, to issue emission guidelines for methane from existing sources in the oil and gas sector.

Is this meeting related to ongoing litigation: Yes

Earliest possible date for the meeting: August 3, 2021

Last possible date for the meeting: August 6, 2021

Is the meeting urgent and if so, why: Yes, plaintiffs need to determine whether there is a realistic possibility of settlement or whether they will need to renew their request for summary judgment to resolve their unreasonable delay claim without further unnecessary delay.

Requested Time Length: 1 hour

Have you met with anyone within EPA: No one outside of OGC as to this matter.

Invitees: Morgan Costello ([HYPERLINK "mailto:morgan.costello@ag.ny.gov"]); Michael Myers ([HYPERLINK "mailto:michael.myers@ag.ny.gov"]); Christopher Gore ([HYPERLINK "mailto:christopher.gore@ag.ny.gov"]); Turner Smith ([HYPERLINK "mailto:turner.smith@state.ma.us"]); Megan Herzog ([HYPERLINK "mailto:megan.herzog@state.ma.us"]); Timothy Sullivan ([HYPERLINK "mailto:Timothy.Sullivan@dog.ca.gov"]); Daniel Lucas ([HYPERLINK "mailto:Daniel.Lucas@doj.ca.gov"]); Caitlin McLoon ([HYPERLINK "mailto:Caitlan.McLoon@doj.ca.gov"]); Matthew Littleton ([HYPERLINK "mailto:matt@donahuegoldberg.com"]); Peter Zalzal ([HYPERLINK "mailto:pzalzal@edf.org"])

External Participants: Morgan Costello, Mike Myers & Chris Gore (NY AG); Turner Smith & Megan Herzog (MA AG); Timothy Sullivan, Daniel Lucas & Caitlin McLoon (CA DOJ); Matthew Littleton & Peter Zalzal (EDF)

Teleconference Required: yes

Video Conference Required: yes

Point of Contact for the Meeting: Morgan Costello ([HYPERLINK "mailto:morgan.costello@ag.ny.gov"]), 518-776-2392

Please email this form back to OAR_Invitations@epa.gov

Appointment

From: Goffman, Joseph [Goffman.Joseph@epa.gov]
Sent: 3/22/2021 2:44:43 PM
To: Goffman, Joseph [Goffman.Joseph@epa.gov]; David Friedman [david.friedman@consumer.org]; Kim, Eun [Kim.Eun@epa.gov]; Dunham, Sarah [Dunham.Sarah@epa.gov]; Hengst, Benjamin [Hengst.Benjamin@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; awarner@edf.org; darien_davis@lcv.org
CC: Charmley, William [charmley.william@epa.gov]; Simon, Karl [Simon.Karl@epa.gov]; Tonachel, Luke [ltonachel@nrdc.org]; JHamilton@ucsusa.org; Longstreth, Ben [blongstreth@nrdc.org]; pcort@earthjustice.org; andreacolomina@greenlatinos.org; dbecker@biologicaldiversity.org; terry@evhybridnoire.com; phuether@aceee.org; Paul.Billings@lung.org

Subject: Meeting with the Clean Vehicles Coalition re: Clean Air Standards
Attachments: RE: FW: URGENT: Invitation from the Clean Vehicles Coalition; External meeting request_CR-Clean Vehicles Coalition.docx
Location: Microsoft Teams Meeting

Start: 4/2/2021 5:00:00 PM
End: 4/2/2021 5:30:00 PM
Show Time As: Busy

Required Attendees: David Friedman; Kim, Eun; 'Dunham, Sarah (Dunham.Sarah@epa.gov)'; Benjamin Hengst; Nunez, Alejandra; awarner@edf.org; darien_davis@lcv.org
Optional Attendees: William Charmley (charmley.william@epa.gov); Karl Simon; Paul.Billings@lung.org; ltonachel@nrdc.org; JHamilton@ucsusa.org; Longstreth, Ben; pcort@earthjustice.org; andreacolomina@greenlatinos.org; dbecker@biologicaldiversity.org; terry@evhybridnoire.com; phuether@aceee.org

RE: FW: URGENT: Invitation from th...

External meeting request_CR-Clea...

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Appointment

From: Campbell, Ann [Goffman.Joseph@epa.gov]
on behalf of Goffman, Joseph [Goffman.Joseph@epa.gov]
Sent: 3/16/2021 12:38:20 PM
To: Goffman, Joseph [Goffman.Joseph@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Dunham, Sarah [Dunham.Sarah@epa.gov]; Vickie Patton [vpatton@edf.org]; Chester France [cjfrance@sbcglobal.net]; pzalzal@edf.org; Kim, Eun [Kim.Eun@epa.gov]; Hengst, Benjamin [Hengst.Benjamin@epa.gov]
CC: Charmley, William [charmley.william@epa.gov]; Simon, Karl [Simon.Karl@epa.gov]

Subject: Meeting with Environmental Defense Fund re: Air Standards for Light, Medium and Heavy Duty Vehicles
Attachments: RE: [EXTERNAL] FW: Clean Cars Meeting Request; External meeting request_March 15 2021.docx
Location: Microsoft Teams Meeting

Start: 3/30/2021 7:00:00 PM
End: 3/30/2021 7:30:00 PM
Show Time As: Busy

Required Attendees: Goffman, Joseph; Nunez, Alejandra; Dunham, Sarah; Vickie Patton; Chester France; pzalzal@edf.org; Kim, Eun; Benjamin Hengst
Optional Attendees: William Charmley (charmley.william@epa.gov); Simon, Karl (Simon.Karl@epa.gov)

RE: [EXTERNAL] FW: Clean Cars ...
External meeting request_March 1...

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Appointment

From: Goffman, Joseph [Goffman.Joseph@epa.gov]
Sent: 5/28/2021 6:11:30 PM
To: Goffman, Joseph [Goffman.Joseph@epa.gov]; Tsirigotis, Peter [Tsirigotis.Peter@epa.gov]; Tejada, Matthew [Tejada.Matthew@epa.gov]; Terry McGuire [tmcguire@earthjustice.org]; sjohnson@earthjustice.org; Srinivasan, Gautam [Srinivasan.Gautam@epa.gov]; Orlin, David [Orlin.David@epa.gov]; Igoe, Sheila [Igoe.Sheila@epa.gov]; Erika Sasser (Sasser.Erika@epa.gov) [Sasser.Erika@epa.gov]; Wesson, Karen [Wesson.Karen@epa.gov]; acain@ucsusa.org; ajaworski@elpc.org; asolaski@cbf.org; Claiborne.Walthall@ag.ny.gov; dorozco@npca.org; donald.hoppert@apha.org; ggoldman@ucsusa.org; hhashimoto@catf.us; John Walker [jwalke@nrdc.org]; jonathan.wiener@doj.ca.gov; josh.berman@sierraclub.org; linda.wilson@ag.ny.gov; laura.bender@lung.org; awarner@edf.org; mcbrown@earthjustice.org; michael.myers@ag.ny.gov; mrauch@momscleanairforce.org; nicholas.buttino@ag.ny.gov; Patrick Drupp [patrick.drupp@sierraclub.org]; paul.billings@lung.org; rfullmer@edf.org; sparsh.khandeshi@doj.ca.gov; ureeves@npca.org; vlimaye@nrdc.org; David.Hults@arb.ca.gov; Jessica.Gordon@arb.ca.gov; Kelli.Johnson@arb.ca.gov; Kim, Eunjung [Kim.Eun@epa.gov]; zlaris@aap.org
CC: Williams, Melina [Williams.Melina@epa.gov]

Subject: Meeting with Earth Justice on PM and ozone NAAQS
Attachments: Meeting request re strengthening the PM and ozone NAAQS.docx; EPA June 1 NAAQS Meeting - Participant List.xlsx
Location: Microsoft Teams Meeting

Start: 6/1/2021 2:15:00 PM
End: 6/1/2021 2:45:00 PM
Show Time As: Busy

Required Attendees: Peter Tsirigotis (Tsirigotis.Peter@epa.gov); Tejada, Matthew; Terry McGuire; sjohnson@earthjustice.org; Srinivasan, Gautam; Orlin, David; Igoe, Sheila; Erika Sasser (Sasser.Erika@epa.gov); Wesson, Karen; acain@ucsusa.org; ajaworski@elpc.org; asolaski@cbf.org; Claiborne.Walthall@ag.ny.gov; dorozco@npca.org; donald.hoppert@apha.org; ggoldman@ucsusa.org; hhashimoto@catf.us; John Walker; jonathan.wiener@doj.ca.gov; josh.berman@sierraclub.org; linda.wilson@ag.ny.gov; laura.bender@lung.org; awarner@edf.org; mcbrown@earthjustice.org; michael.myers@ag.ny.gov; mrauch@momscleanairforce.org; nicholas.buttino@ag.ny.gov; Patrick Drupp; paul.billings@lung.org; rfullmer@edf.org; sparsh.khandeshi@doj.ca.gov; ureeves@npca.org; vlimaye@nrdc.org; David.Hults@arb.ca.gov; Jessica.Gordon@arb.ca.gov; Kelli.Johnson@arb.ca.gov; Kim, Eunjung; zlaris@aap.org
Optional Attendees: Williams, Melina

Meeting request re strengthening the... EPA June 1 NAAQS Meeting ...

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Appointment

From: Goffman, Joseph [Goffman.Joseph@epa.gov]
Sent: 8/4/2021 8:16:03 PM
To: Goffman, Joseph [Goffman.Joseph@epa.gov]; Branning, Amy [Branning.Amy@epa.gov]; Hogan, Stephanie [Hogan.Stephanie@epa.gov]; Mills, Derek [Mills.Derek@epa.gov]; Marks, Matthew [marks.matthew@epa.gov]; Srinivasan, Gautam [Srinivasan.Gautam@epa.gov]; Heather Gange [heather.gange@usdoj.gov]; morgan.costello@ag.ny.gov; michael.myers@ag.ny.gov; christopher.gore@ag.ny.gov; turner.smith@state.ma.us; Herzog, Megan (AGO) [megan.herzog@state.ma.us]; timothy.sullivan@dog.ca.gov; daniel.lucas@doj.ca.gov; caitlan.mcloon@doj.ca.gov; matt@donahuegoldberg.com; pzalzal@edf.org; Kim, Eunjung [Kim.Eun@epa.gov]

Subject: Settlement of Oil and Gas 111(b) Unreasonable Delay Suit Plaintiffs
Attachments: 2021 External meeting requests Goffman OG Methane Settlement sent.docx
Location: Microsoft Teams Meeting

Start: 8/6/2021 7:00:00 PM
End: 8/6/2021 7:30:00 PM
Show Time As: Tentative

Required Attendees: Branning, Amy; Hogan, Stephanie; Mills, Derek; Marks, Matthew; Srinivasan, Gautam; heather.gange@usdoj.gov; morgan.costello@ag.ny.gov; michael.myers@ag.ny.gov; christopher.gore@ag.ny.gov; turner.smith@state.ma.us; Herzog, Megan (AGO); timothy.sullivan@dog.ca.gov; daniel.lucas@doj.ca.gov; caitlan.mcloon@doj.ca.gov; matt@donahuegoldberg.com; pzalzal@edf.org; Kim, Eunjung

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Message

From: Jennifer Schafer [jasca@cascadeassociates.net]
Sent: 1/26/2021 2:13:27 PM
To: 'Cliff Majersik' [cliff@imt.org]; jgoffman@law.harvard.edu; 'joe.goffman@jbrpt.org' [joe.goffman@jbrpt.org]; Goffman, Joseph [Goffman.Joseph@epa.gov]; 'joseph.goffman@jbrpt.org' [joseph.goffman@jbrpt.org]
Subject: RE: Meeting with EPA transition team re energy efficiency and existing admin authority?
Attachments: EESG Contacts .pdf

Congrats on your new position, Joe. We're all looking forward to working with you on energy efficiency as emissions reduction as we did back in 2014!

Attached is a list of the groups that will be in the meeting. Trying a couple other emails for you.

Thanks
Jennifer

Jennifer Schafer
Cascade Associates
202-297-6037

From: Cliff Majersik <cliff@imt.org>
Sent: Tuesday, January 26, 2021 8:00 AM
To: jgoffman@law.harvard.edu
Cc: Jennifer Schafer <jasca@cascadeassociates.net>
Subject: Re: Meeting with EPA transition team re energy efficiency and existing admin authority?

Joe,
I'm following up in case you didn't receive my note below. Jean Lupinacci suggested that we reach out to you in your EPA transition team capacity. Are you available to meet with us?

Warm regards,
Cliff

On Wed, Jan 13, 2021 at 8:00 AM Cliff Majersik <cliff@imt.org> wrote:

> Joe,
> Thank you for your role in the Biden EPA transition team!
>
> I write on behalf of the Energy Efficiency Strategy Group. The EESG coordinates Federal policy requests from the various energy efficiency community. Participants are: ACEEE, ASE, AEE, ASHRAE, BCSE, Building Performance Coalition, E2, E4theFuture, EESI, FPCC, ICC, IMT, NASEO, NAESCO, NRDC, NASCSP, Sierra Club, USGBC and WRI -- see attached contact list.
>
> We've met with the Biden DOE transition team and would like to schedule a meeting with the EPA team to discuss opportunities for EPA to utilize existing administrative authority to spur energy efficiency, fight climate change, create jobs, and protect public health -- see EESG's attached recommendations.
>
> Would you and the team like to suggest a few times in the next two weeks when you would be able to meet with us?
>
> Feel free to share plans or analyses that you'd like for us to review in advance of a meeting.
>
> Warm regards,

Cliff

--
Cliff Majersik
Institute for Market Transformation (IMT)
1707 L St. NW, Suite 1050
Washington, DC 20036
m (202) 297-0871

www.imt.org
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--
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o (202) 525-2883 x303
m (202) 297-0871

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EESG Contact Information

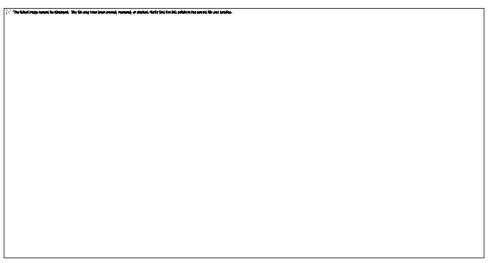
To Accompany Existing Authority and Stimulus Recommendations

Advanced Energy Economy (AEE)	Leah Rubin Shen lrubinshen@aee.org
Alliance to Save Energy (ASE)	Ben Evans bevans@ase.org
American Council for an Energy Efficient Economy (ACEEE)	Lowell Ungar Lungar@aceee.org
ASHRAE	Alice Yates AYates@ashrae.org
Building Performance Coalition (BPC)/E4theFuture	Kara Saul Rinaldi kara@anndyl.com
Environment and Energy Study Institute (EESI)	Dan Bresette dbresette@eesi.org
Federal Performance Contracting Coalition/Cascade (FPCC)	Jennifer Schafer jasca@cascadeassociates.net
Institute for Market Transformation (IMT)	Cliff Majersik cliff@imt.org
ICC	Gabe Maser gmaser@ICCsafe.org
National Assoc. for State Community Services Programs (NASCSP)	Janae Bjelland Bjellend@nascsp.org
National Association of Energy Service Companies (NAESCO)	Don Gilligan dgilligan@naesco.org
National Association of State Energy Officials (NASEO)	Jeff Genzer JCG@dwgp.com
Natural Resources Defense Council (NRDC)	Grant Carlisle gcarlisle@nrdc.org
Sierra Club	Mark Kresowik Mark.kresowik@sierraclub.org
US Green Buildings Council (USGBC)	Elizabeth Beardsley ebeardsley@usgbc.org
World Resources Institute (WRI)	Jennifer Layke jlayke@wri.org

Message

From: Walke, John [jwalke@nrdc.org]
Sent: 6/3/2021 4:57:15 PM
To: Kluesner, Dave [kluesner.dave@epa.gov]; Rosenblatt, Anne [rosenblatt.anne@epa.gov]; Byck, Sabina [Byck.Sabina@epa.gov]; Austin, Mark [Austin.Mark@epa.gov]; Banner, Ellen [Banner.Ellen@epa.gov]; Ruvo, Richard [Ruvo.Richard@epa.gov]; Laurita, Matthew [Laurita.Matthew@epa.gov]; Mugdan, Walter [Mugdan.Walter@epa.gov]; Williamson, Anahita [Williamson.Anahita@epa.gov]; fgerard@chantvi.org; Schaaf, Eric [Schaaf.Eric@epa.gov]; Simon, Paul [Simon.Paul@epa.gov]; LaPosta, Dore [LaPosta.Dore@epa.gov]; dcapjane Ex. 6 ; Anderson, Kate [Anderson.Kate@epa.gov]; Elizabeth Neville [elizabeth@neville.com]; Guerrero, Carmen [guerrero.carmen@epa.gov]; Glenn, Keith [Glenn.Keith@epa.gov]; Mehta-Sampath, Ameesha [Mehta-Sampath.Ameesha@epa.gov]; Mears, Mary [Mears.Mary@epa.gov]; Benjamin, Arielle [Benjamin.Arielle@epa.gov]; Evangelista, Pat [Evangelista.Pat@epa.gov]; Daly, Eric [Daly.Eric@epa.gov]; Prince, John [Prince.John@epa.gov]; Chiang, Johnny [Chiang.Johnny@epa.gov]; Everett, Adolph [Everett.Adolph@epa.gov]; Stabulas, Alexis [Stabulas.Alexis@epa.gov]; Rivera, Jose [Rivera.Jose@epa.gov]; Buettner, Robert [Buettner.Robert@epa.gov]; Wilson, Eric [Wilson.EricJ@epa.gov]; Patel, Harish [Patel.Harish@epa.gov]; Azzam, Nidal [Azzam.Nidal@epa.gov]; Chan, Suilin [Chan.Suilin@epa.gov]; Kodama, Doug [Kodama.Doug@epa.gov]; Wong, Virginia [Wong.Virginia@epa.gov]; Voo, Leonard [Voo.Leonard@epa.gov]; Mills, Flaire [Mills.Flaire@epa.gov]; Villatora, Liliana [Villatora.Liliana@epa.gov]; Font, Jose [Font.Jose@epa.gov]; Casey, Jim [Casey.Jim@epa.gov]; Bain, Zeno [Bain.Zeno@epa.gov]; Rodriguez, Nancy [Rodriguez.Nancy@epa.gov]; Laureano, Javier [laureano.javier@epa.gov]; Rivera, Alex [Rivera.Alex@epa.gov]; Brandt, Peter [Brandt.Peter@epa.gov]; Davis, Emily [edavis@nrdc.org]; Heather Croshaw Ex. 6 ; Jennifer Valiulis Ex. 6 ; kynoch_reale Ex. 6 Maranda Wood Ex. 6 ; Kai A. Nielsen Ex. 6 ; Aaron Isherwood [aaron.isherwood@sierraclub.org]; C.J. Biggs [cjbiggs@biologicaldiversity.org]; L Cobrall Ex. 6 ; Roumiantseva, Dina [droumiantseva@cooley.com]; jteelsimmonds@biologicaldiversity.org; Lauren Hudson Ex. 6 Michelle Endo [michelle.endo@sierraclub.org]; Miyoko Sakashita [miyoko@biologicaldiversity.org]; Rachel Stevens [RSTEVENS@vermontlaw.edu]; Sara Zuckerman Ex. 6 fishsaltlick Ex. 6 Alexander, Nicole [Alexander.Nicole@epa.gov]
CC: Tejada, Matthew [Tejada.Matthew@epa.gov]; Carroll, Thomas [Carroll.Thomas@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Stein, Carol [Stein.Carol@epa.gov]; Joseph, Towana [Joseph.Towana@epa.gov]; Mitchell, Judy-Ann [Mitchell.Judy-Ann@epa.gov]; Iglesias, Ariel [Iglesias.Ariel@epa.gov]; Chappel, Carlyn [Chappel.Carlyn@epa.gov]; Loney, Natalie [Loney.Natalie@epa.gov]; Kubik, Kevin [Kubik.Kevin@epa.gov]; Bourbon, John [bourbon.john@epa.gov]; Caldwell, Lance [Caldwell.Lance@epa.gov]; Culligan, Kevin [Culligan.Kevin@epa.gov]; Staiger, Kimberly [Staiger.Kimberly@epa.gov]; Martin, Josephine [Martin.Josephine@epa.gov]; Martin, Kim [martin.kim@epa.gov]
Subject: Re: Limetree Bay Update by EPA Region 2

For your information: https://www.reuters.com/business/energy/exclusive-private-equity-bet-troubled-caribbean-refinery-blows-up-retirement-2021-06-03/



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U.S. private equity firm Arclight Capital Partners LLC, which invests the retirement savings of Maine teachers, NFL football players and Mayo Clinic doctors, lost hundreds of millions of dollars ...

www.reuters.com

From: Kluesner, Dave <kluesner.dave@epa.gov>
Sent: Thursday, June 3, 2021 8:11 AM
To: Rosenblatt, Anne <rosenblatt.anne@epa.gov>; Byck, Sabina <Byck.Sabina@epa.gov>; Austin, Mark <Austin.Mark@epa.gov>; Banner, Ellen <Banner.Ellen@epa.gov>; Ruvo, Richard <Ruvo.Richard@epa.gov>; Laurita, Matthew <Laurita.Matthew@epa.gov>; Mugdan, Walter <Mugdan.Walter@epa.gov>; Williamson, Anahita <Williamson.Anahita@epa.gov>; fgerard@chantvi.org <fgerard@chantvi.org>; Schaaf, Eric <Schaaf.Eric@epa.gov>; Simon, Paul <Simon.Paul@epa.gov>; LaPosta, Dore <LaPosta.Dore@epa.gov>; dcapjane [redacted] Ex. 6 Anderson, Kate <Anderson.Kate@epa.gov>; Elizabeth Neville <elizabeth@neville.com>; Guerrero, Carmen <guerrero.carmen@epa.gov>; Glenn, Keith <Glenn.Keith@epa.gov>; Mehta-Sampath, Ameesha <Mehta-Sampath.Ameesha@epa.gov>; Mears, Mary <Mears.Mary@epa.gov>; Benjamin, Arielle <Benjamin.Arielle@epa.gov>; Evangelista, Pat <Evangelista.Pat@epa.gov>; Daly, Eric <Daly.Eric@epa.gov>; Prince, John <Prince.John@epa.gov>; Chiang, Johnny <Chiang.Johnny@epa.gov>; Everett, Adolph <Everett.Adolph@epa.gov>; Stabulas, Alexis <Stabulas.Alexis@epa.gov>; Rivera, Jose <Rivera.Jose@epa.gov>; Buettner, Robert <Buettner.Robert@epa.gov>; Wilson, Eric <Wilson.EricJ@epa.gov>; Patel, Harish <Patel.Harish@epa.gov>; Azzam, Nidal <Azzam.Nidal@epa.gov>; Chan, Suilin <Chan.Suilin@epa.gov>; Kodama, Doug <Kodama.Doug@epa.gov>; Wong, Virginia <Wong.Virginia@epa.gov>; Voo, Leonard <Voo.Leonard@epa.gov>; Mills, Flaire <Mills.Flaire@epa.gov>; Villatora, Liliana <Villatora.Liliana@epa.gov>; Font, Jose <Font.Jose@epa.gov>; Casey, Jim <Casey.Jim@epa.gov>; Bain, Zeno <Bain.Zeno@epa.gov>; Rodriguez, Nancy <Rodriguez.Nancy@epa.gov>; Laureano, Javier <laureano.javier@epa.gov>; Rivera, Alex <Rivera.Alex@epa.gov>; Brandt, Peter <Brandt.Peter@epa.gov>; Walke, John <jwalke@nrdc.org>; Davis, Emily <edavis@nrdc.org>; Heather Croshaw [redacted] Ex. 6 ; Jennifer Valiulis [redacted] Ex. 6 ; kynoch_reale [redacted] Ex. 6 <kynoch_reale [redacted] Ex. 6 ; Maranda Wood [redacted] Ex. 6 ; Kai A. Nielsen <[redacted] Ex. 6 ; Aaron Isherwood <aaron.isherwood@sierraclub.org>; C.J. Biggs <cjbiggs@biologicaldiversity.org>; L Cobrall [redacted] Ex. 6 ; Roumiantseva, Dina <droumiantseva@cooley.com>; jteelsimmonds@biologicaldiversity.org <jteelsimmonds@biologicaldiversity.org>; Lauren Hudson [redacted] Ex. 6 ; Michelle Endo <michelle.endo@sierraclub.org>; Miyoko Sakashita <miyoko@biologicaldiversity.org>; Rachel Stevens <RSTEVENS@vermontlaw.edu>; Sara Zuckerman [redacted] Ex. 6 ; fishsaltlick [redacted] Ex. 6 <fishsaltlick [redacted] Ex. 6 ; Alexander, Nicole <Alexander.Nicole@epa.gov>
Cc: Tejada, Matthew <Tejada.Matthew@epa.gov>; Carroll, Thomas <Carroll.Thomas@epa.gov>; Carbonell, Tomas <Carbonell.Tomas@epa.gov>; Stein, Carol <Stein.Carol@epa.gov>; Joseph, Towana <Joseph.Towana@epa.gov>; Mitchell, Judy-Ann <Mitchell.Judy-Ann@epa.gov>; Iglesias, Ariel <Iglesias.Ariel@epa.gov>; Chappel, Carlyn <Chappel.Carlyn@epa.gov>; Loney, Natalie <Loney.Natalie@epa.gov>; Kubik, Kevin <Kubik.Kevin@epa.gov>; Bourbon, John <bourbon.john@epa.gov>; Caldwell, Lance <Caldwell.Lance@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Staiger, Kimberly <Staiger.Kimberly@epa.gov>; Martin, Josephine <Martin.Josephine@epa.gov>; Martin, Kim <martin.kim@epa.gov>
Subject: Limetree Bay Update by EPA Region 2
When: Thursday, June 3, 2021 4:00 PM-5:00 PM.
Where: EVENT INVITE TBD

Revised Agenda:

- Updates from the community (SEA & allied organizations)
- Status of refinery shutdown (EPA)
- EPA's operations on the ground (EPA)
- Air exceedances (EPA)
- Community engagement (EPA)
- Community air monitoring (EPA)
- Consent Decree (SEA)
- Clean Water Act compliance (SEA)
- Resource for refinery schematics (SEA)

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Message

From: Kluesner, Dave [kluesner.dave@epa.gov]
Sent: 7/1/2021 6:39:04 PM
To: Rosenblatt, Anne [rosenblatt.anne@epa.gov]; Byck, Sabina [Byck.Sabina@epa.gov]; Austin, Mark [Austin.Mark@epa.gov]; Banner, Ellen [Banner.Ellen@epa.gov]; Ruvo, Richard [Ruvo.Richard@epa.gov]; Laurita, Matthew [Laurita.Matthew@epa.gov]; Mugdan, Walter [Mugdan.Walter@epa.gov]; Williamson, Anahita [Williamson.Anahita@epa.gov]; fgerard@chantvi.org; Schaaf, Eric [Schaaf.Eric@epa.gov]; Simon, Paul [Simon.Paul@epa.gov]; LaPosta, Dore [LaPosta.Dore@epa.gov]; Ex. 6 Personal Privacy (PP) Anderson, Kate [Anderson.Kate@epa.gov]; Elizabeth Neville [elizabeth@neville.com]; Guerrero, Carmen [guerrero.carmen@epa.gov]; Glenn, Keith [Glenn.Keith@epa.gov]; Mehta-Sampath, Ameesha [Mehta-Sampath.Ameesha@epa.gov]; Mears, Mary [Mears.Mary@epa.gov]; Benjamin, Arielle [Benjamin.Arielle@epa.gov]; Evangelista, Pat [Evangelista.Pat@epa.gov]; Daly, Eric [Daly.Eric@epa.gov]; Prince, John [Prince.John@epa.gov]; Chiang, Johnny [Chiang.Johnny@epa.gov]; Everett, Adolph [Everett.Adolph@epa.gov]; Stabulas, Alexis [Stabulas.Alexis@epa.gov]; Rivera, Jose [Rivera.Jose@epa.gov]; Buettner, Robert [Buettner.Robert@epa.gov]; Wilson, Eric [Wilson.EricJ@epa.gov]; Patel, Harish [Patel.Harish@epa.gov]; Azzam, Nidal [Azzam.Nidal@epa.gov]; Chan, Suilin [Chan.Suilin@epa.gov]; Kodama, Doug [Kodama.Doug@epa.gov]; Wong, Virginia [Wong.Virginia@epa.gov]; Voo, Leonard [Voo.Leonard@epa.gov]; Mills, Flaire [Mills.Flaire@epa.gov]; Villatora, Liliana [Villatora.Liliana@epa.gov]; Font, Jose [Font.Jose@epa.gov]; Casey, Jim [Casey.Jim@epa.gov]; Bain, Zeno [Bain.Zeno@epa.gov]; Rodriguez, Nancy [Rodriguez.Nancy@epa.gov]; Laureano, Javier [laureano.javier@epa.gov]; Rivera, Alex [Rivera.Alex@epa.gov]; Brandt, Peter [Brandt.Peter@epa.gov]; John Walker [jwalke@nrdc.org]; Davis, Emily [edavis@nrdc.org]; Heather Croshaw Ex. 6 Personal Privacy (PP) Jennifer Valiulis Ex. 6 Personal Privacy (PP); Kai A. Nielsen [Ex. 6 Personal Privacy (PP)]; Aaron Isherwood [aaron.isherwood@sierraclub.org]; C.J. Biggs [cjbiggs@biologicaldiversity.org]; L Cobrall Ex. 6 Personal Privacy (PP); Roumiantseva, Dina [droumiantseva@cooley.com]; jteelsimmonds@biologicaldiversity.org; Lauren Hudson Ex. 6 Personal Privacy (PP) Michelle Endo [michelle.endo@sierraclub.org]; Miyoko Sakashita [miyoko@biologicaldiversity.org]; Rachel Stevens [RSTEVENS@vermontlaw.edu]; Sara Zuckerman Ex. 6 Personal Privacy (PP) Alexander, Nicole [Alexander.Nicole@epa.gov]; Rodriguez, Elias [Rodriguez.Elias@epa.gov]
CC: Tejada, Matthew [Tejada.Matthew@epa.gov]; Carroll, Thomas [Carroll.Thomas@epa.gov]; Carbonell, Tomas [Carbonell.Tomas@epa.gov]; Stein, Carol [Stein.Carol@epa.gov]; Joseph, Towana [Joseph.Towana@epa.gov]; Mitchell, Judy-Ann [Mitchell.Judy-Ann@epa.gov]; Iglesias, Ariel [Iglesias.Ariel@epa.gov]; Chappel, Carlyn [Chappel.Carlyn@epa.gov]; Loney, Natalie [Loney.Natalie@epa.gov]; Kubik, Kevin [Kubik.Kevin@epa.gov]; Bourbon, John [bourbon.john@epa.gov]; Caldwell, Lance [Caldwell.Lance@epa.gov]; Culligan, Kevin [Culligan.Kevin@epa.gov]; Staiger, Kimberly [Staiger.Kimberly@epa.gov]; Martin, Josephine [Martin.Josephine@epa.gov]; Martin, Kim [martin.kim@epa.gov]; Foley, Patrick [Foley.Patrick@epa.gov]; Jackson, Amelia [Jackson.Amelia@epa.gov]; Pellegrino, Carl [Pellegrino.Carl@epa.gov]; Rao, Raj [Rao.Raj@epa.gov]; Keller, Peter [keller.peter@epa.gov]; Wieber, Kirk [Wieber.Kirk@epa.gov]; Geliga, Jaime [Geliga.Jaime@epa.gov]; Laguer, Yasmin [Laguer.Yasmin@epa.gov]; Senn, John [Senn.John@epa.gov]; Dholakia, Umesh [Dholakia.Umesh@epa.gov]; Colecchia, Annamaria [Colecchia.Annamaria@epa.gov]; Sareen, Neha [sareen.neha@epa.gov]
Subject: Agenda for today's 4:00 Eastern Limetree Bay Update by EPA Region 2

We will be working from the below agenda which reflects **additional topics in bold** that were submitted by SEA earlier today. Thanks and I look forward to our meeting!

- SEA opening remarks
- Status of refinery shutdown
- EPA Environmental Response Team air monitoring
- Community engagement / hotline calls and mapping
- Sewer line odors
- Meeting requests, i.e., July 12 meeting request from David Bond; July 15 Town Hall meeting
    1. **New date for Townhall - July 29th**
- Citizen Science community air monitoring (not an in-depth conversation; reserved for a smaller group discussion)

- Outstanding matters; i.e., groundwater remediation update
    1. **Request for most recent groundwater reports**
- Other topics identified by SEA and allied organizations
    - **Insights or thoughts into Governor Bryan's press statement about coordinating with DOI**
    - **Shutdown process**
    - **Consent Decree**
    - **Remediation options**
    - **EPA air quality monitoring besides H2S & SO2**
    - **Limetree's monitoring process in lieu of shutdown**
    - **Fenceline monitoring for Limetree Bay Terminals**

David W. Kluesner

U.S. Environmental Protection Agency, Northeast & Caribbean Region
Director of Strategic Programs
Office of the Regional Administrator
290 Broadway, 26th Floor
New York, NY 10007
212.637.3653 (Office)
347.330.9439 (Cell)

-----Original Appointment-----
From: Kluesner, Dave
Sent: Monday, June 21, 2021 4:39 PM
To: Rosenblatt, Anne; Byck, Sabina; Austin, Mark; Banner, Ellen; Ruvo, Richard; Laurita, Matthew; Mugdan, Walter; Williamson, Anahita; fgerard@chantvi.org; Schaaf, Eric; Simon, Paul; LaPosta, Dore; Ex. 6 Personal Privacy (PP) Anderson, Kate; Elizabeth Neville; Guerrero, Carmen; Keith Glenn; Mehta-Sampath, Ameesha; Mears, Mary; Benjamin, Arielle; Evangelista, Pat; Daly, Eric; Prince, John; Chiang, Johnny; Everett, Adolph; Stabulas, Alexis; Rivera, Jose; Buettner, Robert; EricJ Wilson; Patel, Harish; Azzam, Nidal; Chan, Suilin; Kodama, Doug; Wong, Virginia; Voo, Leonard; Mills, Flaire; Villatora, Liliana; Font, Jose; Casey, Jim; Bain, Zeno; Rodriguez, Nancy; Laureano, Javier; Rivera, Alex; Brandt, Peter; John Walker; Davis, Emily; Heather Croshaw; Jennifer Valiulis; Ex. 6 Personal Privacy (PP) Maranda Wood; Kai A. Nielsen; Aaron Isherwood; C.J. Biggs; L Cobrall; Roumiantseva, Dina; jteelsimmonds@biologicaldiversity.org; Lauren Hudson; Michelle Endo; Miyoko Sakashita; Rachel Stevens; Sara Zuckerman; Ex. 6 Personal Privacy (PP) Alexander, Nicole; Rodriguez, Elias
Cc: Tejada, Matthew; Carroll, Thomas; Carbonell, Tomas; Stein, Carol; Joseph, Towana; Mitchell, Judy-Ann; Iglesias, Ariel; Chappel, Carlyn; Loney, Natalie; Kevin Kubik; John Bourbon; Caldwell, Lance; Kevin Culligan (Culligan.Kevin@epa.gov); Staiger, Kimberly; Martin, Josephine; Martin, Kim; Foley, Patrick; Amelia Jackson; Carl Pellegrino (Pellegrino.Carl@epa.gov); Rao, Raj; Keller, Peter; Wieber, Kirk; Geliga, Jaime; Laguer, Yasmin; Senn, John; Dholakia, Umesh; Colecchia, Annamaria; Sareen, Neha
Subject: Limetree Bay Update by EPA Region 2
When: Thursday, July 01, 2021 4:00 PM-5:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Microsoft Teams Meeting

Proposed Agenda

- SEA opening remarks
- Status of refinery shutdown
- EPA Environmental Response Team air monitoring

- Sewer line odors
- Meeting requests, i.e., July 12 meeting request from David Bond; July 15 Town Hall meeting invite
- Community engagement / hotline calls and mapping
- Citizen Science community air monitoring (not an in-depth conversation; a smaller group discussion will be held later in July)
- Outstanding matters; i.e., groundwater remediation update and requests for information

---

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Message

From: Enobakhare, Rosemary [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1825D7718F944EA7B623ADEC5A35CBBA-ENOBAKHARE,]
Sent: 7/19/2021 10:06:01 PM
To: Rock, Roseann [rrock@nrdc.org]; scheduling [scheduling@epa.gov]
CC: Wong, Jackie [Jackie.Wong@nrdc.org]
Subject: RE: A call with Mitch Bernard and Administrator Regan

Great. Let me know if there is anything that I need to follow-up on.

From: Rock, Roseann <rrock@nrdc.org>
Sent: Monday, July 19, 2021 3:46 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; scheduling <scheduling@epa.gov>
Cc: Wong, Jackie <Jackie.Wong@nrdc.org>
Subject: Re: A call with Mitch Bernard and Administrator Regan

Hi Rosemary,

It looks like Michael has already responded to Mitch and will likely be in contact with him this afternoon at 5:30 pm.

ROSEANN ROCK
Executive Assistant to
Mitch Bernard, President & Chief Counsel

NATURAL RESOURCES DEFENSE COUNCIL
40 W 20TH STREET, 11TH FLOOR
NEW YORK, NY 10011
T 212.727.4495
F 917-398-1205
M 347.885.6627
RROCK@NRDC.ORG
NRDC.ORG

Please save paper.
Think before printing.

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Date: Monday, July 19, 2021 at 2:26 PM
To: Rock, Roseann <rrock@nrdc.org>, scheduling <scheduling@epa.gov>
Cc: Wong, Jackie <Jackie.Wong@nrdc.org>
Subject: RE: A call with Mitch Bernard and Administrator Regan

Hi Roseann,

Does the call have to happen is week? Can it happen early next week? What topics would Mitch want to discuss with the Administrator?

From: Rock, Roseann <rrock@nrdc.org>
Sent: Monday, July 19, 2021 2:18 PM
To: scheduling <scheduling@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Subject: A call with Mitch Bernard and Administrator Regan

Good afternoon,

I hope this email finds you well. I was advised by Administrator's COS, Dan Utech, to contact you about finding time for Administrator Regan and Mitch Bernard, NRDC's Interim President.

I want to let you all know that Mitch also tried Michael's cellphone on Friday, but have not received a call back as yet.

I am happy to work with you all to get the both of them together for a call this week.

Please advise on his availability.

Best,
Roseann

ROSEANN ROCK
Executive Assistant to
Mitch Bernard, President & Chief Counsel

NATURAL RESOURCES DEFENSE COUNCIL
40 W 20TH STREET, 11TH FLOOR
NEW YORK, NY 10011
T 212.727.4495
F 917-398-1205
M 347.885.6627
RROCK@NRDC.ORG
NRDC.ORG

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Message

From: Enobakhare, Rosemary [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1825D7718F944EA7B623ADEC5A35CBBA-ENOBAKHARE,]
Sent: 7/20/2021 4:49:27 PM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
CC: Walts, Alan [walts.alan@epa.gov]; Tejada, Matthew [Tejada.Matthew@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]
BCC: monica@wethepeopleofdetroit.com; donele@greendoorinitiative.org; drj@empower4people.org; ejcoalition.michigar Ex. 6 smordun Ex. 6 t_landrum05 Ex. 6 ; nicholas.leonard@glelc.org; eini@miunited.org; vm1962 Ex. 6 dlqueentyree10 Ex. 6 communications@soulardarity.com; rhonda.anderson@sierraclub.org; hamtrilogy Ex. 6 pmohai@umich.edu; Salah.Ali215 Ex. 6 simonesagovac Ex. 6 jonwenu14 Ex. 6 ; jorr@nrdc.org; strongR1@michigan.gov
Subject: Thank you and EPA roundtable follow-up

Hello and thank you again for joining EPA Administrator Regan at our roundtable in Detroit, MI.

After such an important conversation, I wanted to make sure you had my contact information so I can be a resource to you in the months and years ahead. As EPA Associate Administrator for Public Engagement and Environmental Education, I'm committed to continuing to engage with you and communities across the country.

Additionally, I wanted to invite you all to participate in a monthly EJ stakeholder meeting, taking place every 3rd Wednesday of each month. Our next call is this **Wednesday, Jul 21, 2:00-3:30pm ET.** The purpose of this call is to gather information and input about a range of interest areas across EPA. I have sent the calendar details to you via a separate outlook calendar invite. This coming Wednesday's discussion will center around EPA's Strategic Plan and an update on the Administration's Justice 40 initiative. Our next monthly gathering will be August 18, 2021, 2:00-3:30PM ET.

There are several folks who can be resources to you at EPA as well, copied on this email:

- Alan Walts, Director, EPA Region 5 Environmental Justice
- Matthew Tejada, Director, Office of Environmental Justice
- Loni Cortez Russell, Deputy Associate Administrator for Public Engagement and Environmental Education

Again, thank you for taking time to speak with Administrator Regan. He came away even more clear-eyed than before about the work we have ahead of us, and the importance of making sure we get it done right. I'll continue to follow up on specific requests from the meeting and provide regular updates to you all going forward. Please do not hesitate to reach out to me or my colleagues if you need anything.

Looking forward to staying connected,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

Message

From: Enobakhare, Rosemary [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1825D7718F944EA7B623ADEC5A35CBBA-ENOBAKHARE,]
Sent: 8/10/2021 4:53:22 PM
To: Conger, Nick [Conger.Nick@epa.gov]; Alisha Johnson [alisha_johnson@apple.com]
CC: Arvin Ganesan [aravinth@apple.com]; Cortez Russell, Loni [Russell.Loni@epa.gov]; Keri Fulton [keri_fulton@apple.com]; Michelle Mundy [mmundy@apple.com]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Michalos, Maria [Michalos.Maria@epa.gov]
Subject: RE: August 17 visit

Great! Sending a calendar invite now.

From: Conger, Nick <Conger.Nick@epa.gov>
Sent: Tuesday, August 10, 2021 12:49 PM
To: Alisha Johnson <alisha_johnson@apple.com>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Arvin Ganesan <aravinth@apple.com>; Cortez Russell, Loni <Russell.Loni@epa.gov>; Keri Fulton <keri_fulton@apple.com>; Michelle Mundy <mmundy@apple.com>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michalos, Maria <Michalos.Maria@epa.gov>
Subject: RE: August 17 visit

That works for me.

Nick Conger
Press Secretary
Environmental Protection Agency
202-941-1116 (mobile)

From: Alisha Johnson <alisha_johnson@apple.com>
Sent: Tuesday, August 10, 2021 12:45 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Arvin Ganesan <aravinth@apple.com>; Conger, Nick <Conger.Nick@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>; Keri Fulton <keri_fulton@apple.com>; Michelle Mundy <mmundy@apple.com>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michalos, Maria <Michalos.Maria@epa.gov>
Subject: Re: August 17 visit

Wednesday at 2pm ET would work well for us!

> On Aug 10, 2021, at 7:03 AM, Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov> wrote:
>
> Hi everyone! Yesterday got away from me and I wasn't able to respond to this chain. This is wonderful news! We're really excited about this engagement. I would love to find time today or tomorrow to discuss the format of this event. Are folks available today from 1:30pm – 3:00pm ET or anytime after 5:00pm ET. If not today, what about Wednesday from 2pm – 3pm ET.
>
> ---
>
> **From:** Alisha Johnson <alisha_johnson@apple.com>
> **Sent:** Monday, August 9, 2021 5:55 PM
> **To:** Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
> **Cc:** Arvin Ganesan <aravinth@apple.com>; Conger, Nick <Conger.Nick@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>; Keri Fulton <keri_fulton@apple.com>; Michelle Mundy <mmundy@apple.com>
> **Subject:** Re: August 17 visit

We're looking forward to your visit. Let us know if another call would be helpful to discuss format for the fireside chat, and other components.

+Keri to this thread.

On Aug 9, 2021, at 12:56 PM, Michelle Mundy <mmundy@apple.com> wrote:

Hi Rosemary,

Thank you for sharing this detail. And thank you for your patience as we sort through moving pieces on this end.

I am happy to say, we can accommodate the Administrator's visit on August 17th. Please let me know if a 2PM PDT start works on your end. If not, please share your thoughts on timing and I'll work to accommodate.

One thing to flag - we will need approval for photo ops without masks. Please do let me know the exception around photos/videos and I'll coordinate with our EH&S team for approvals.

Best,
Michelle

Michelle Mundy | Executive Assistant, Office of Lisa Jackson | O: 408 974 1190 | M: 408 772 5340

On Aug 9, 2021, at 12:50 PM, Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov> wrote:

EPA Attendees:

Administrator Michael S. Regan
Rosemary Enobakhare, Associate Administrator for Public Engagement and Environmental Education
Dorien Blythers, Deputy Chief of Staff for Operations
Nick Conger, Press Secretary
Ex. 6 PP / Ex. 7(C) Ex. 7(E)
Grant O'Brien, Advance
Ex. 7(E)
Possible photographer/videographer

From: Alisha Johnson <alisha_johnson@apple.com>
Sent: Monday, August 9, 2021 1:47 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>

Cc: Arvin Ganesan <aravinth@apple.com>; Conger, Nick <Conger.Nick@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>; Michelle Mundy <mmundy@apple.com>
Subject: Re: August 17 visit

Ho Rosemary,
Can you confirm the total number of guests that would be coming on your end?

Thanks so much.

> On Aug 9, 2021, at 9:44 AM, Michelle Mundy <mmundy@apple.com> wrote:
>
> Hi Rosemary,
>
> Sorry for the delay. We hope to have an answer for you shortly - I'm working to confirm a couple of things.
>
> Best,
> Michelle
>
> Michelle Mundy | Executive Assistant, Office of Lisa Jackson | O: 408 974 1190 | M: 408 772 5340
>
>> On Aug 9, 2021, at 8:26 AM, Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov> wrote:
>>
>> Hi everyone,
>>
>> Circling back here to see if Lisa will be available on the 17th for a tour of Apple and the fireside chat. I know you all were checking on her schedule so wanted to check-in. We'll need to close the loop today on this.
>>
>> Thank you!
>>
>> -----Original Message-----
>> From: Enobakhare, Rosemary
>> Sent: Tuesday, August 3, 2021 4:26 PM
>> To: Arvin Ganesan <aravinth@apple.com>
>> Cc: Alisha Johnson <alisha_johnson@apple.com>; Michelle Mundy <mmundy@apple.com>; Conger, Nick <Conger.Nick@epa.gov>;

Cortez Russell, Loni
<Russell.Loni@epa.gov>
Subject: RE: August 17 visit

Tomorrow at 2:30pm ET works for us.
And please give Rosie a hug for me!!

-----Original Message-----
From: Arvin Ganesan
<aravinth@apple.com>
Sent: Tuesday, August 3, 2021 3:59 PM
To: Enobakhare, Rosemary
<Enobakhare.Rosemary@epa.gov>
Cc: Alisha Johnson
<alisha_johnson@apple.com>; Michelle
Mundy <mmundy@apple.com>;
Conger, Nick <Conger.Nick@epa.gov>;
Cortez Russell, Loni
<Russell.Loni@epa.gov>
Subject: Re: August 17 visit

Hi!!! Any chance tomorrow at 230 PM
ET could work? Today is tough for me
(the other Rosie!)

Sent from my iPhone

On Aug 3, 2021, at 3:51
PM, Enobakhare,
Rosemary
<Enobakhare.Rosemary
@epa.gov> wrote:

Hi there,

So many of my favorite
people on this email! I
would love to chat with
you all today about the
Administrator's visit on
the 17th. I can chat
today at 6pm ET (3pm
PST). Let me know if
this works and I'll send
over a calendar invite
with call-in
information.

Rosemary

Rosemary Enobakhare

Associate Administrator
Office of Public
Engagement and
Environmental
Education U.S. EPA
Office of the
Administrator
1200 Pennsylvania Ave.,
N.W.
Washington, DC 20460
Cell: 202.573.4614

-----Original Message-----
From: Alisha Johnson <alisha_johnson@apple.com>
Sent: Tuesday, August 3, 2021 3:44 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Arvin Ganesan <aravinth@apple.com>; Michelle Mundy <mmundy@apple.com>
Subject: Re: August 17 visit

Adding Michelle on our end as well.

> On Aug 3, 2021, at 8:47 AM, Alisha Johnson <alisha_johnson@apple.com> wrote:
>
> Hey there! Long time,

no
chat.
Any
chance
you're
free
today
or
tomorr
ow to
chat
through
the
propos
ed Aug
17
visit?

Thanks,
Alisha

Message

From: Enobakhare, Rosemary [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1825D7718F944EA7B623ADEC5A35CBBA-ENOBAKHARE,]
Sent: 9/29/2021 7:02:49 PM
To: Julian Gonzalez [jgonzalez@earthjustice.org]; Fox, Radhika [Fox.Radhika@epa.gov]
CC: snovak@earthjustice.org; eolson@nrdc.org; croper@nrdc.org; Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]
Subject: RE: Scheduling a LCR community follow-up to the EPA roundtables

Hi there,

Thank you Julian for sending this over. I will circle back with you on this follow up request.

Rosemary

From: Julian Gonzalez <jgonzalez@earthjustice.org>
Sent: Wednesday, September 29, 2021 10:33 AM
To: Fox, Radhika <Fox.Radhika@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: snovak@earthjustice.org; eolson@nrdc.org; croper@nrdc.org
Subject: Scheduling a LCR community follow-up to the EPA roundtables

Dear Assistant Administrator Fox,

Thank you and the agency for setting up the helpful community roundtables on LCR reforms! Several of the participants in those roundtables (such as representatives from Highland Park Human Rights Commission, Milwaukee's Freshwater for Life Action Coalition, and Pittsburgh's Women for a Healthy Environment) and a few other partners such as WE ACT and NAACP, would like to have a meeting with you to discuss lead in drinking water during this critical stretch of potential further revision to the LCR.

These partners, having discussed and reflected on their different experiences with the roundtables, and now in light of recent events like Benton Harbor and Clarksburg and elsewhere, want to ensure that you personally receive an unfiltered view of their perspective on the impact—and lack of impact—of the LCR and the revisions under consideration. Both communities are examples of situations where the revised LCR would fail to protect these communities. Our partners would consider this meeting a natural follow up to the roundtables that would be mutually beneficial.

Given the time-sensitive nature of these issues (EPA has stated it will announce whether there will be changes to the LCR revisions on December 16), our partners would like to meet with you within the next two weeks if possible or shortly thereafter. They envision a manageable group of participants, consisting of one person from each roundtable plus a small number of representatives from other groups. We are happy to do the legwork of coordinating the community groups and partners to make this easier for EPA and for you in particular. We agree with our partners that such a session would be invaluable, not only for the potential development of further revisions to the LCR, but also for ensuring that community members have more confidence in the process.

We look forward to working with you and Rosemary to set this up. Happy to chat by phone if that is easier, too.

Thanks,
Julian

Julian Gonzalez, Esq.
Legislative Counsel

Pronouns: He/Him/His

EARTHJUSTICE
1001 G St NW, NW, 10th floor
Washington, DC 20001
Phone (C): 646.316.5035
Email: jgonzalez@earthjustice.org

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Message

From: Enobakhare, Rosemary [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1825D7718F944EA7B623ADEC5A35CBBA-ENOBAKHARE,]
Sent: 10/29/2021 12:43:16 PM
To: fkrupp@edf.org; Morgan, Ashley [Morgan.Ashley.M@epa.gov]
CC: Vickie Patton [vpatton@edf.org]
Subject: Call this morning with Administrator Regan

Hey Fred,

I hope this email finds you well. It's Rosemary from Administrator Regan's Publc Engagement office. The Administrator would like to jump on a quick call with you this morning to briefly chat about an upcoming agency action. I am looping you in with Ashley Morgan from our scheduling office to find a time that works for your schedule.

Thank you,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

Message

From: Morgan, Ashley [Morgan.Ashley.M@epa.gov]
Sent: 11/2/2021 10:38:10 PM
To: Ramon Cruz [ramon.cruz@sierraclub.org]
CC: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Lance, Kathleen [Lance.Kathleen@epa.gov]
Subject: RE: connecting

Hi Ramon –

Apologies for the delay in getting back to you. Would it be possible to schedule this conversation for after the Thanksgiving holiday? Would Tuesday, November 29th at 1:30 PM EST work for your schedule? If so, I am happy to provide a calendar invitation with a Microsoft Teams Link.

Thanks!
Ashley

Ashley M. Morgan
Deputy Director of Scheduling and Advance
U.S. Environmental Protection Agency
Cell: (202) 909-9983

From: Ramon Cruz <ramon.cruz@sierraclub.org>
Sent: Thursday, October 21, 2021 12:45 AM
To: Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: Re: connecting

Thanks Rosemary.
Great to meet you Ashley.
On Nov. 2 I will be in Glasgow for COP26. Is the Administrator going to be there later on? Perhaps we can meet in person even if briefly?
Thanks,
Ramon

On Wed, Oct 20, 2021 at 6:44 PM Morgan, Ashley <Morgan.Ashley.M@epa.gov> wrote:

> Thanks for connecting us Rosemary.
>
> Hi Ramon – it is a pleasure to meet you via email. Would it be possible to schedule this virtual meeting with Administrator Regan on Tuesday, November 2nd at 2 pm?
>
> Thanks!
>
> Ashely

Ashley M. Morgan

Deputy Director of Scheduling and Advance

U.S. Environmental Protection Agency

Cell: (202) 909-9983

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, October 15, 2021 11:00 AM
To: ramon.javier.cruz Ex. 6 ; Morgan, Ashley <Morgan.Ashley.M@epa.gov>; ramon.cruz@sierraclub.org
Subject: RE: connecting

Adding Ramon's Sierra Club email.

From: Enobakhare, Rosemary
Sent: Friday, October 15, 2021 10:28 AM
To: ramon.javier.cruz Ex. 6 ; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Subject: connecting

Hey Ramon,

It was great chatting with you. I am connecting you with Ashley Morgan from the Administrator's scheduling team. She will work with you to lock a time for you and the Administrator to connect. Again, this is just a meeting to check-in with you following your interaction during the clean cars comment drop.

Thanks,

Rosemary

Rosemary Enobakhare

Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

--

Ramón J. Cruz
President
ramon.cruz@sierraclub.org
(c) 646-250-6671
pronouns: he, him, his (why share pronouns)

Message

From: Orme-Zavaleta, Jennifer [Orme-Zavaleta.Jennifer@epa.gov]
Sent: 5/11/2021 11:38:26 AM
To: Fox, Radhika [Fox.Radhika@epa.gov]; Olson, Erik [eolson@nrdc.org]; McLain, Jennifer L. [McLain.Jennifer@epa.gov]
CC: Sabater, Juan [Sabater.Juan@epa.gov]; Tiago, Joseph [Tiago.Joseph@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
Subject: RE: Comments of Health & Environmental Groups on UCMR 5

Yes, thanks Erik.

jennifer

Jennifer Orme-Zavaleta, PhD (she/her/hers)
Acting Assistant Administrator, and
Principal Deputy Assistant Administrator
Office of Research and Development
US Environmental Protection Agency

DC 202-564-6620
Cell 919-699-1564

From: Fox, Radhika <Fox.Radhika@epa.gov>
Sent: Monday, May 10, 2021 8:35 PM
To: Olson, Erik <eolson@nrdc.org>; Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; McLain, Jennifer L. <McLain.Jennifer@epa.gov>
Cc: Sabater, Juan <Sabater.Juan@epa.gov>; Tiago, Joseph <Tiago.Joseph@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Subject: RE: Comments of Health & Environmental Groups on UCMR 5

Thank you for sharing these comments Erik. We will review. Radhika

From: Olson, Erik <eolson@nrdc.org>
Sent: Monday, May 10, 2021 8:28 PM
To: Fox, Radhika <Fox.Radhika@epa.gov>; Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; McLain, Jennifer L. <McLain.Jennifer@epa.gov>
Cc: Sabater, Juan <Sabater.Juan@epa.gov>; Tiago, Joseph <Tiago.Joseph@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Subject: Comments of Health & Environmental Groups on UCMR 5

Dear Ms. Fox, Dr. Orme-Zavaleta, and Ms. McLain,

Attached are the brief comments of dozens of health and environmental groups on the Unregulated Contaminant Monitoring Rule 5. Also attached are more detailed comments from NRDC, Earthjustice and Green Science Policy Institute.

Our major comments are that we urge the agency to swiftly validate and incorporate into UCMR 5 a comparable Method 533 that several major commercial labs are using that can accurately quantify 40 to 70 PFAS with lower MRLs than EPA's two methods included in the proposal. This would actually reduce the cost of the rule, by allowing water systems to use only one instead of two tests (EPA Methods 537.1 plus 533). We also urge EPA to immediately validate and incorporate a broader method such as a more sensitive TOF method or the TOP assay to detect a broader array of PFAS.

Furthermore, we ask EPA to include Legionella and the 4 haloacetonitriles discussed in the proposal in the final UCMR 5 rule, or to quickly issue an Information Collection Rule so that data can be collected in time to be used for the MDBP rulemaking.

Finally, we urge EPA to: promptly validate a more sensitive method for 1,2,3-trichloropropane and include it in UCMR 5; include Lithium in the final rule; apply the rule to systems serving 3,300 to 10,000 people (and to request funding to pay for such monitoring); and to collect zip code data for PWS distribution systems.

Thank you for your attention to this important matter.

Erik Olson, Senior Strategic Director, Health & Food
Anna Reade, PhD, Staff Scientist

p.s. The attached comments also were submitted to the docket. We are happy to discuss these and look forward to working with EPA on this important rulemaking.

ERIK D. OLSON
Senior Strategic Director, Health & Food

HEALTHY PEOPLE & THRIVING COMMUNITIES PROGRAM
NATURAL RESOURCES
DEFENSE COUNCIL

1152 15TH STREET NW, SUITE 300
WASHINGTON, DC 20005
T 202.289.2415
M 202 246 6868
F 202.289.1060
EOLSON@NRDC.ORG
NRDC.ORG

Please save paper.
Think before printing.

NRDC

Message

From: Olson, Erik [eolson@nrdc.org]
Sent: 5/11/2021 12:27:54 AM
To: Fox, Radhika [Fox.Radhika@epa.gov]; Orme-Zavaleta, Jennifer [Orme-Zavaleta.Jennifer@epa.gov]; McLain, Jennifer L. [McLain.Jennifer@epa.gov]
CC: Sabater, Juan [Sabater.Juan@epa.gov]; Tiago, Joseph [Tiago.Joseph@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
Subject: Comments of Health & Environmental Groups on UCMR 5
Attachments: UCMR5.PFAS-SHORT GROUP Comments-FINAL AS SUBMITTED-05.10.2021.pdf; UCMR5.PFAS-Comments-FINAL AS FILED-2021.05.10- fixed.pdf

Dear Ms. Fox, Dr. Orme-Zavaleta, and Ms. McLain,

Attached are the brief comments of dozens of health and environmental groups on the Unregulated Contaminant Monitoring Rule 5. Also attached are more detailed comments from NRDC, Earthjustice and Green Science Policy Institute.

Our major comments are that we urge the agency to swiftly validate and incorporate into UCMR 5 a comparable Method 533 that several major commercial labs are using that can accurately quantify 40 to 70 PFAS with lower MRLs than EPA's two methods included in the proposal. This would actually reduce the cost of the rule, by allowing water systems to use only one instead of two tests (EPA Methods 537.1 plus 533). We also urge EPA to immediately validate and incorporate a broader method such as a more sensitive TOF method or the TOP assay to detect a broader array of PFAS.

Furthermore, we ask EPA to include Legionella and the 4 haloacetonitriles discussed in the proposal in the final UCMR 5 rule, or to quickly issue an Information Collection Rule so that data can be collected in time to be used for the MDBP rulemaking.

Finally, we urge EPA to: promptly validate a more sensitive method for 1,2,3-trichloropropane and include it in UCMR 5; include Lithium in the final rule; apply the rule to systems serving 3,300 to 10,000 people (and to request funding to pay for such monitoring); and to collect zip code data for PWS distribution systems.

Thank you for your attention to this important matter.

Erik Olson, Senior Strategic Director, Health & Food
Anna Reade, PhD, Staff Scientist

p.s. The attached comments also were submitted to the docket. We are happy to discuss these and look forward to working with EPA on this important rulemaking.

ERIK D. OLSON
Senior Strategic Director, Health & Food

HEALTHY PEOPLE & THRIVING COMMUNITIES PROGRAM
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NRDC.ORG

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NRDC

▲ Center for Environmental Health ▲ Clean Cape Fear
▲ Clean Water Action/Clean Water Fund ▲ Community Action Works
▲ Earthjustice ▲ ECCCAG ▲ Environmental Working Group
▲ GreenCAPE ▲ Green Science Policy Institute
▲ Lead-Free Mke ▲ League of Women Voters Milwaukee County
▲ LoHud Sierra Club & Bronxville Green Committee
▲ Merrimack Citizens for Clean Water ▲ Natural Resources Defense Council
▲ Newark Water Coalition ▲ Newburgh Clean Water Project
▲ New York Public Interest Research Group
▲ Orangetown Environmental Committee ▲ PFAS Action Group
▲ PFOA Project NY ▲ Riverkeeper ▲ Safer Chemicals Healthy Families
▲ Sierra Club ▲ Sierra Club--Rockland Water Commission
▲ Sierra Club--USS Land Superfund Site ▲ Women's Voices for the Earth
▲ Your Turnout Gear and PFOA ▲ Zero Waste Washington

May 10, 2021

Ms. Radhika Fox, Principal Deputy Assistant Administrator for Water
Dr. Jennifer Orme-Zavaleta, Acting Assistant Administrator, Office of Research and Development
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Re: Proposed Unregulated Contaminant Monitoring Rule 5, [EPA-HQ-OW-2020-0530]

Dear Ms. Fox and Dr. Orme-Zavaleta,

We write on behalf of our millions of members and supporters to comment on key provisions in the Proposed Unregulated Contaminant Monitoring Rule 5 (UCMR 5), 86 Fed. Reg. 13846 (March 11, 2021). Specifically, we urge that EPA:

1. **Add a requirement that public water systems test for a broader array of PFAS in addition to the 29 PFAS that are found using EPA Methods 533 and 537.1.** UCMR5 presents an opportunity to better understand the extent of PFAS contamination in our public drinking water systems. The current proposal for PFAS proposes to use two EPA validated methods, Method 537.1 and Method 533, to test for a total of 29 PFAS compounds. Several commercial laboratories, however, advertise the capability to test for a larger number of PFAS compounds, from 40 to 70, using only a comparable version of Method 533. If EPA were to expand Method 533, only one test instead of the two tests would be needed, reducing the cost of testing required by UCMR5 significantly. In fact, there are only 4 PFAS that are missing from Method 533, that require the use of Method 537.1 to cover the 29 PFAS listed for UCMR5. Furthermore, Method 533 is more accurate and robust than Method 537.1. We recommend EPA validate a revised Method 533 that expands the number of PFAS covered to include at minimum the 40 PFAS commonly covered by commercial laboratories in time to be

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used for UCMR5. Alternatively, EPA could validate the CWA 1600 series method covering 40 PFAS for drinking water, in addition to non-potable water, in time for use in UCMR5 as the validation process for this method is already in process.

Total PFAS methods, such as the Total Oxidizable Precursors (TOP) assay or a Total Organic Fluorine (TOF) assay, are also needed to give us a better understanding of the totality of PFAS contamination. We urge EPA to validate both methods as quickly as possible, ideally in time for at least one to be added to UCMR5. The current detection limit for TOF is likely too high to be useful for drinking water, but research is underway to improve the detection limit. EPA should strive to improve the detection limit of TOF and immediately revise the method when possible so that we can more accurately characterize PFAS contamination of drinking water. And unless and until a much more sensitive TOF method is validated, the agency should take the necessary steps to immediately validate the TOP Assay in time to allow its use in UCMR 5.

2. **Set stricter Minimum Reporting Limits (MRLs) so that low-level PFAS contamination is reported to EPA and the public**. Three of the nation's major commercial labs have MRLs lower in most cases than EPA's proposed MRLs; in the past, these labs conducted a significant portion of the national PFAS testing for UCMR 3, so there would be lab capacity to do this testing to these levels.

3. **Add Legionella to UCMR 5, or at least promptly issue an Information Collection Rule (ICR) to require a statistically valid sample of PWSs to do Legionella monitoring** in time for MDBP revisions rule. The National Academies of Sciences have recommended that there be a significant increase in Legionella monitoring by drinking water systems since these bacteria are linked to up to 70,000 disease cases per year and afflicts and kills more people than any other reported waterborne disease.

4. **Add the four haloacetonitriles EPA is considering to UCMR 5, or at least promptly issue an ICR to require a statistically valid sample of PWSs to monitor for those haloacetonitriles** in time for the MDBP revisions rule. EPA admits that these chemicals are "generally considered more cytotoxic and genotoxic than the regulated" disinfection byproducts. They also are likely to widely occur and thus EPA should require monitoring for them.

5. **Add 1,2,3-trichloropropane to UCMR 5**. Expeditiously work with commercial labs and EPA ORD to improve detection and quantification limits for 1,2,3-TCP. Include in UCMR 5. EPA reports that current methods cannot reliably quantify the level of this contaminant down to the level at which it poses significant public health risks. This must be fixed.

6. **Include Lithium in the UCMR 5**, for the reasons EPA has proposed.

7. **Apply UCMR 5 to systems serving 3,300 to 10,000 people.** The agency should request appropriations in its budget. If EPA were not to require testing of these smaller systems, millions of Americans would not be apprised of whether their water is contaminated, and often their water suppliers will not learn that their water needs to be treated, their source water protected, or other measures taken to protect their consumers.

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8. **Collect zip codes served by public water systems' distribution systems.** Collection of zip codes for all systems' distribution systems is critical to helping EPA, states and health researchers evaluate environmental justice and public health implications of the results of drinking water monitoring.

The goal of the changes we are proposing is to assure more comprehensive testing for hazardous and likely widespread contaminants. If such testing is not done, we are concerned that the public and often the water utilities themselves will not be aware of contamination of their water supplies. They will not be made aware of the need for treatment, source water protection, and other measures to address the threats posed. Moreover, a lack of more comprehensive data may hinder EPA's and states' ability to adopt effective regulatory measures to protect the public.

Therefore, we respectfully request that you make the changes recommended above.

Thank you,

Erik D. Olson, Senior Strategic Director
Health & Food
Anna Reade, PhD, Staff Scientist
Natural Resources Defense Council

Thomas Welcenbach, Policy Analyst
Lead-Free Mke

Tom Bruton, Senior Scientist
Green Science Policy Institute

Deborah Brown
Newburgh Clean Water Project

Laurene Allen, Co-Founder
Merrimack Citizens for Clean Water

Anthony Diaz, Co-Founder
Newark Water Coalition

Elizabeth Moran, Environmental Policy Director
New York Public Interest Research Group

Dr. Joan Marlow Golan, Member
LoHud Sierra Club
Bronxville Green Committee

Edward J Berry
Sierra Club

Akeesha Daniels
Co-Chair of ECCCAG
Resident of the USS Land Superfund Site

Sheryl Lerner, Member
Sierra Club
Rockland Water Commission

Michael Andrea, Chair
Orangetown Environmental Committee

Heather Trim, Executive Director
Zero Waste Washington

Loreen Hackett, Administrator
PFOA Project NY

Lt. Paul Cotter WFD (ret) and Diane Cotter, Founders
Your Turnout Gear and PFOA

Jamie McConnell, Deputy Director
Women's Voices for the Earth

Emily Donovan, Co-Founder
Clean Cape Fear

Lynn Thorp, National Campaign Director
Clean Water Action/Clean Water Fund

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Shaina Kasper, Water Program Director
Community Action Works

Sue Phelan, Director
GreenCAPE

Thomas Fox, Senior Policy Advisor
Center for Environmental Health

Liz Hitchcock, Director
Safer Chemical Healthy Families

Jaime Honkawa, Co-Founder
PFAS Action Group

Dan Shapley, Co-Director of Science & Patrol Program
Riverkeeper

Judith Lindquist, Publicity Chair
League of Women Voters Milwaukee County

Melanie Benesh, Legislative Attorney
Environmental Working Group

Suzanne Novak, Staff Attorney
Earthjustice

Individual Signers
Ann Batiza
Jacquelyn Drechsier
Judith Ryan
Linda Brunner
Molly Findlay
Dorothea Erichsen
Yvonna Wright
Anita Kopacz
Sheila Dennis
Nidia Temple
Celine Semaan
Kristan Bridges
Bonnie Geronimo-Jackson
Sabrina Tenteromano
Syntyche Francella
Maria Gagliardi

cc: EPA Docket EPA-HQ-OW-2020-0530
Jennifer McLain, Director, EPA Office of Groundwater and Drinking Water

ED_006247N_00001046-00004

NATURAL RESOURCES DEFENSE COUNCIL
EARTHJUSTICE
GREEN SCIENCE POLICY INSTITUTE

May 10, 2021

Ms. Radhika Fox, Principal Deputy Assistant Administrator for Water
Dr. Jennifer Orme-Zavaleta, Acting Assistant Administrator for the
Office of Research & Development
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Re: Proposed Unregulated Contaminant Monitoring Rule 5 [EPA-HQ-OW-2020-0530]

Dear Ms. Fox and Dr. Orme-Zavaleta,

We write on behalf of our millions of members and supporters to comment on key provisions in the Proposed Unregulated Contaminant Monitoring Rule 5 (UCMR 5), 86 Fed. Reg. 13846 (March 11, 2021).

I. OVERVIEW OF COMMENTS

In summary, we urge that EPA:

1. **Add requirements that public water systems test for a broader array of PFAS in addition to the 29 PFAS that are found using EPA Methods 533 and 537.1.** UCMR 5 presents an opportunity to better understand the extent of PFAS contamination in our public drinking water systems. The current proposal for PFAS proposes to use two EPA validated methods, Method 537.1 and Method 533, to test for a total of 29 PFAS compounds. Several commercial laboratories, however, advertise the capability to test for a larger number of PFAS compounds, between 40 and 70, using only a comparable version of Method 533. If EPA were to expand Method 533, only one test instead of the two tests would be needed, reducing the cost of testing required by UCMR 5 significantly. In fact, there are only 4 PFAS that are missing from Method 533, that require the use of Method 537.1 to cover the 29 PFAS listed for UCMR 5. Furthermore, Method 533 is more accurate and robust than Method 537.1. We recommend that EPA validate a revised Method 533 that expands the number of PFAS covered to include at minimum the 40 PFAS commonly covered by commercial laboratories in time to be used for UCMR 5. Alternatively, EPA could validate the CWA 1600

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series method covering 40 PFAS for drinking water, in addition to non-potable water, in time for use in UCMR 5 as the validation process for this method is already in process.

Total PFAS methods, such as the Total Oxidizable Precursors (TOP) assay or a Total Organic Fluorine (TOF) assay, are also needed to give us a better understanding of the totality of PFAS contamination. We urge EPA to validate both of these methods as quickly as possible, ideally in time for at least one to be added to UCMR 5. The current detection limit for TOF is likely too high to be useful for drinking water, but research is underway to improve the detection limit. EPA should strive to improve the detection limit of TOF and immediately revise the method when possible so that we can more accurately characterize PFAS contamination of drinking water. And unless and until a much more sensitive TOF method is validated, the agency should take the necessary steps to immediately validate the TOP assay in time to allow its use in UCMR 5.

Thus, regarding the expansion of PFAS monitored, we recommend that in UCMR 5 EPA:

a. **Expedite the validation of a revised Method 533 to include at least 40, and up to 70, PFAS compounds and use that method in lieu of the current proposal which would use existing EPA validated methods, Method 537.1 and Method 533; and/or as a next best choice,**
b. **Complete validation of the CWA 1600 series method for 40 PFAS compounds (including its use for drinking water, not just non-potable water) and use in lieu of the current proposal of existing EPA validated methods, Method 537.1 and Method 533; and also,**
c. **Complete validation of TOF and TOP assays, tools that are urgently needed to better characterize PFAS contamination of drinking water, ideally in time to be included for UCMR 5. EPA should improve detection limits for TOF and immediately revise the method when possible so that we can more accurately characterize PFAS contamination of drinking water. And unless and until a more sensitive TOF method is validated, EPA should take the necessary steps to immediately validate the TOP Assay and integrate it into UCMR 5.**

2. **Set stricter Minimum Reporting Limits (MRLs) so that low-level PFAS contamination is reported to EPA and the public**. Three of the nation's major commercial labs have MRLs lower in most cases than EPA's proposed MRLs (see table later in these comments). In the past, these labs conducted a significant portion of the national PFAS testing for UCMR 3, so there would be lab capacity to do this testing to these levels.

3. **Add Legionella to UCMR 5, or at least promptly issue an Information Collection Rule (ICR) to require a statistically valid sample of PWSs to do Legionella monitoring in time for MDBP revisions rule.** The National Academy of Sciences has recommended that there be a significant increase in Legionella monitoring by drinking water systems since these bacteria are linked to up to 70,000 disease cases per year and afflicts and kills more people than any other reported waterborne disease.[1] It is therefore crucial that EPA require monitoring to determine the scope of Legionella contamination of drinking water. If such monitoring cannot be completed in time to be useful for the MDBP revisions rule, the agency should at a minimum establish an ICR that requires a statistically valid sampling of public water systems to monitor for this important contaminant. Newer, faster and less-expensive methods such as Legioalert can detect *L. pneumophila* which reportedly causes 100% of deaths from Legionnaires' disease outbreaks,[2] and 97% of Legionnaires' disease cases, based on data from cultures of 4,719 patients over 7 years in 17 countries.[3]

4. **Add the four haloacetonitriles EPA is considering to UCMR 5, or at least promptly issue an ICR to require a statistically valid sample of PWSs to monitor for those haloacetonitriles** in time for the MDBP revisions rule. EPA admits that these chemicals are "generally considered more cytotoxic and genotoxic than the

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[1] National Academies of Sciences, Engineering, and Medicine; Health and Medicine Division; Division on Earth and Life Studies; Board on Population Health and Public Health Practice; Board on Life Sciences; Water Science and Technology Board; Committee on Management of Legionella in Water Systems. Management of Legionella in Water Systems. Washington (DC): National Academies Press (US); 2019 Aug 14. PMID: 32200596.

[2] IDEXX, Reducing Legionnaire's Disease Risk, 2021, citing Centers for Disease Control and Prevention. Table 1, Waterborne disease outbreaks associated with treated recreational water and untreated recreational water, by year and jurisdiction—waterborne disease and outbreak surveillance system, United States, 2011–2012. www.cdc.gov/healthywater/surveillance/recreational/2011-2012-tables.html. Updated March 28, 2018. Accessed March 24, 2019; Centers for Disease Control and Prevention. Table 1, Waterborne disease outbreaks associated with treated recreational water or untreated recreational water, by year and jurisdiction—waterborne disease and outbreak surveillance system, United States, 2013–2014. www.cdc.gov/healthywater/surveillance/recreational/2013-2014-tables.html. Updated May 16, 2018. Accessed March 24, 2019; Centers for Disease Control and Prevention. Outbreaks associated with environmental and undetermined water exposures—United States, 2011–2012. MMWR Morb Mortal Wkly Rep. 64(31);849-851. www.cdc.gov/MMWR/preview/mmwrhtml/mm6431a3.htm. Accessed March 24, 2019; Centers for Disease Control and Prevention. Waterborne disease outbreaks associated with environmental and undetermined exposures to water—United States, 2013–2014. MMWR Morb Mortal Wkly Rep. 66(44);1222–1225. www.cdc.gov/mmwr/volumes/66/wr/mm6644a4.htm. Accessed March 24, 2019; Centers for Disease Control and Prevention. Surveillance for waterborne disease outbreaks associated with drinking water—United States, 2011–2012. MMWR Morb Mortal Wkly Rep. 64(31);842–848.www.cdc.gov/mmwr/preview/mmwrhtml/mm6431a2.htm. Accessed September 14, 2018; Centers for Disease Control and Prevention. Surveillance for waterborne disease outbreaks associated with drinking water—United States, 2013–2014. MMWR Morb Mortal Wkly Rep. 66(44);1216–1221. www.cdc.gov/mmwr/volumes/66/wr/mm6644a3.htm. Accessed September 14, 2018.

[3] See, *Id.*, citing Surveillance report: Legionnaires' disease in Europe (Years 2009–2015). Stockholm, Sweden: European Centre for Disease Prevention and Control; published 2011–2017.

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regulated" disinfection byproducts. They also are likely to widely occur. EPA should either include these four compounds in the UCMR 5 or, if such monitoring cannot be completed in time for its fruitful consideration during the MDBP revisions rulemaking, the agency should promptly promulgate an ICR requiring statistically valid sampling of public water systems in time for the data to be considered as part of that rulemaking.

5. **Add 1,2,3-trichloropropane to UCMR 5**. The EPA Office of Water should expeditiously work with commercial labs and EPA ORD to improve detection and quantification limits for 1,2,3-TCP. The agency should include this compound in the final UCMR 5. While it may occur widely, EPA reports that current methods cannot reliably quantify the level of this contaminant down to the level at which it poses significant public health risks. This must be fixed.

6. **Include Lithium in the UCMR 5**, for the reasons EPA has proposed.

7. **Apply UCMR 5 to systems serving 3,300 to 10,000 people.** The agency should request appropriations in its budget, since otherwise these water systems will not be required to be monitored under the UCMR 5 under the provisions of the SDWA. If EPA were not to require testing of these smaller systems, millions of Americans would not be apprised of whether their water is contaminated, and often their water suppliers will not learn that their water needs to be treated, their source water protected, or other measures taken to protect their consumers.

8. **Collect zip codes served by public water systems' distribution systems.** Collection of zip codes for all systems' distribution systems is critical to helping EPA, states and health researchers evaluate environmental justice and public health implications of the results of drinking water monitoring.

II. DETAILED COMMENTS REGARDING PFAS TESTING UNDER UCMR 5

A. Add a requirement that public water systems test for a broader array of PFAS in addition to the 29 PFAS that are found using EPA Methods 533 and 537.1.

UCMR 5 presents an opportunity to test for an expanded list of PFAS compounds to better understand the extent of PFAS contamination in our public drinking water systems. The current proposal for PFAS proposes to use two EPA validated methods, Method 537.1 and Method 533, to test for a total of 29 PFAS compounds. Several commercial laboratories, however, advertise the capability to test for a larger number of PFAS compounds using a comparable version of Method 533 and EPA is in the process of validating another PFAS method, CWA 1600 series method.

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Furthermore, because there are over 9,000 known PFAS compounds, there are additional tests available that could be used to estimate total PFAS using alternative methods. These tests include Total Organofluorine (TOF) and Total Oxidizable Precursor (TOP). NRDC recommends that EPA require the use of a method, or set of methods, that can quantify the greatest number of PFAS compounds and be validated in time for promulgation in the UCMR 5.

1. *Revised EPA Method 533*

Several commercial laboratories in the United States use a comparable version of EPA Method 533 to target a larger number of PFAS than the 25 PFAS covered in Method 533 currently. For example, Eurofins can test for up to 70 PFAS compounds, Vista can test up to 45 PFAS compounds, and Pace Analytical laboratory can test up to 40 PFAS compounds. These companies are able to test for the compounds in both EPA Method 537.1 and EPA Method 533, therefore the use of a revised Method 533, instead of the two tests, could reduce the cost of testing proposed by UCMR 5 significantly. In fact, there are only 4 PFAS that are missing from Method 533, that require the use of Method 537.1 to cover the 29 PFAS listed for UCMR 5. We are unaware of any technical barriers to utilizing Method 533 to detect these 4 PFAS, let alone the additional PFAS commonly tested for by commercial labs with their 533 comparable methods. Furthermore, Method 533 is more accurate and robust than Method 537.1. The isotope dilution quantitation used in Method 533 reduces bias compared to the internal standard quantitation used in Method 537.1.

NRDC recommends that EPA validate a revised Method 533 that expands the number of PFAS covered to include those commonly covered by commercial laboratories – at least 40, and preferably 70 compounds - and negate the need for Method 537.1. This could be done with Method 533 as written today but validated for additional compounds. Either EPA could conduct a new third party lab validation study or it could have individual labs validate the expanded list by Method 533 themselves. Either approach generates the same data, with the latter not requiring EPA's coordination. Discussions with established labs suggest that they could complete their part of the validation effort in a 3-6 month timeframe. If EPA expedited its review of the results and the process for updating the method it could validate an expanded Method 533 by the end of 2021.

2. *CWA 1600 Series Method*

EPA is developing a CWA 1600 series method in collaboration with the U.S. Department of Defense to test for 40 PFAS compounds in wastewater as well as surface water, groundwater, leachate, soil, sediment, biosolids, and fish tissue. Following single-laboratory validation, which demonstrates proof of concept, a multi-laboratory

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validation will be conducted to further determine method viability. EPA anticipates that multi-laboratory validation for this method will be finalized in 2021. While this method is not specific for drinking water, there is no reason that a method developed for non-potable water couldn't also be validated for drinking water. Therefore, EPA could also choose to validate the CWA 1600 series method in time for use in UCMR 5 (assuming MRLs are at least as low as achieved by EPA Method 533.) This approach would also provide the added advantage of only requiring one method to fulfill the proposed UMCR5 testing requirements, instead of two.

3. *Total PFAS*

Total PFAS methods, such as the Total Oxidizable Precursors (TOP) assay or a Total Organic Fluorine (TOF), are needed to give us a better understanding of the totality of PFAS contamination. We urge EPA to validate both methods as quickly as possible, ideally in time for at least one to be added to UCMR 5.

According to the website on the status of EPA research and development on PFAS, EPA is currently expecting to complete the evaluation and validation of a TOF method in 2021. ASTM has already drafted a method for TOF in waters - referred to as AOF (Adsorbable Organic Fluorine) - which could provide the basis for EPA to conduct a multi-laboratory validation effort. ASTM has not given this method a number yet but currently references Work Item: WK 68866.

TOF methods are now commercially available in the U.S. and globally. The current detection limit for TOF is likely too high to be useful for drinking water, but research is underway to improve the detection limit. NRDC encourages EPA to follow through in completing the validation of TOF by the end of the year as this tool is urgently needed in many contexts, especially for site characterization. EPA should strive to improve the detection limit of TOF and immediately revise the method when possible so that we can more accurately characterize PFAS contamination of drinking water.

Unless and until a much more sensitive TOF method is validated, the agency should take the necessary steps to immediately validate the TOP assay in time to allow its use in UCMR 5. The Total Oxidizable Precursor (TOP) assay, which is in broad use by commercial laboratories, can detect the presence many PFAS (PFAA precursors) at low parts per trillion (ppt) levels that would not otherwise be found using EPA's current validated methods. The TOP assay is in broad use and would not require lengthy development. For example, the TOP Assay already is in widespread use by commercial laboratories in the U.S. and globally, such as by Eurofins, Ventia, Vista, ALS Global, and York (Eurofins, for example, has extensive experience working with EPA and water systems on PFAS analysis, having completed about 40 percent of all PFAS testing done under UCMR 3 using EPA Method 537.)

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Further, concerns around variability due to incomplete oxidation should not be an issue with drinking water, which does not vary as widely in levels of organic material as other media. EPA states that it is still considering "the need for a thorough multi-laboratory validation study in 2021." We urge EPA to move quickly to validate this method so that this valuable tool can be utilized more broadly.

These methods have been used and studied by EPA scientists, and are relied upon for contamination characterization and remediation; Australian authorities require the use of the TOP assay in their firefighting foam testing policies.

As you know Section 7311 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) (Public Law 116-92), requires that EPA must include all PFAS in UCMR 5 for which a drinking water method has been validated by EPA and that the agency doesn't regulate in drinking water. The NDAA provides that unregulated PFAS included in UCMR 5 don't count towards the SDWA limit of not more than 30 unregulated contaminants being included in the UCMR (see SDWA §1445(a)(2)(B)(i)).

It is important to include a sensitive broad-spectrum PFAS test in the UCMR because there are hundreds of PFAS in use, and by the latest accounting over 9,000 known PFAS. Recently, EPA and New Jersey state scientists identified several new PFAS in groundwater that are not detected by the current EPA methods, and we expect that this will increasingly be the case in many communities across the country. Testing for only 29 PFAS will not give us a clear picture of the problem we are facing.

Unless EPA requires a broader spectrum test for PFAS, it is likely that many water systems that are contaminated with PFAS other than the 29 detected by current approved EPA Methods 533 and 537.1 will have PFAS contamination that will go undetected, and/or the scope of their contamination will remain unknown. In such cases, the water systems, state and federal authorities, and the public served by those water systems will not understand the full extent of their PFAS contamination.

While it has been argued by some that methods such as the TOF method or the TOP assay are only useful for contaminated site characterizations but not for "clean" drinking water, this contention misses the point. If a contaminated site is releasing a broad array of PFAS (including many that are not among the 29 identified in the current EPA methods), it is highly likely that at some point these PFAS will reach drinking water intakes. When they do, it will be important to know that they have, so that appropriate actions can be taken to prevent further contamination and potentially to treat the drinking water. Clearly, PFAS tend to be highly persistent in the environment and highly mobile in water, so PFAS-contaminated site releases will be highly likely to reach drinking water sources.

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EPA's validation of a total PFAS method will help water systems design more comprehensive solutions for treating drinking water or remediating contamination. Without the validated method, water systems, their consultants, and states are likely to be more hesitant to begin looking at PFAS other than the 29 covered by the current EPA methods. In some cases, water systems will likely fail to take sufficient precautionary measures to protect public health and address the contamination. Moreover, water systems and regulators also may fail to identify and remediate PFAS pollution sources. This could be expected to contribute to delays and the continuing spread of contamination. This may have a direct impact on public health and may result in some water systems not investing in water treatment technologies best suited for their situation. For example, large commercial testing labs report that some water providers are using the TOP Assay and/or TOF to better understand the kinetics of how a proposed treatment technique to remediate PFAS-contaminated water will operate. Better knowledge about the total amount of PFAS in a water system allows water providers to estimate how long treatment media will last before breakthrough occurs, thereby giving water providers more accurate data for budgeting and planning.

Therefore, we urge that EPA validate and include in the UCMR 5 requirements a sensitive broader-spectrum PFAS method. We stand ready to work with the agency on this effort.

B. Set stricter Minimum Reporting Limits (MRLs) so that low-level PFAS contamination is reported to EPA and the public.

As shown in the Table below, three of the nation's major commercial labs have MRLs lower in most cases than EPA's proposed MRLs - in fact, all but two UCMR 5 MRLs are higher than what the majority of these labs can achieve (see Table below). In the past, these labs conducted a significant portion of the national PFAS testing for UCMR 3, so there would be lab capacity to do this testing with lower reporting levels.

The table below compares the MRLs from EPA's proposal and the three large labs. Yellow highlights the PFAS that EPA's methods and all 3 major commercial labs can quantify, and the relative MRLs (nearly all lower than EPA's). Orange highlights PFAS quantified by all 3 labs that are not included in EPA's methods and their MRLs. White represents PFAS that Eurofins and in some cases the two other labs quantify and their MRLs.

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TABLE: PFAS MRLs PROPOSED BY EPA vs. ACHIEVED BY MAJOR COMMERCIAL LABS

Acronym	CASRN	Measured with EPA Method 537.1	Measured with EPA Method 533	UCMR5 MRLs	Eurofins MRLs	Vista Analytical MRLs	Pace Analytical MRLs
Total PFAS Covered		18	25	29	70	45	40
PFBA	375-22-4		X	5	2	2	2
PFPeA	2706-90-3		X	3	2	2	2
PFHXA	307-24-4	X	X	3	2	2	2
PFHpA	375-85-9	X	X	3	2	2	2
PFOA	335-67-1	X	X	4	2	2	2
PFNA	375-95-1	X	X	4	2	2	2
PFDA	335-76-2	X	X	3	2	2	2
PFUnA	2058-94-8	X	X	2	2	2	2
PFDoA	307-55-1	X	X	3	2	2	2
PFTA	376-06-7	X		8	2	2	2
PFTrDA	72629-94-8	X		7	2	2	2
PFBS	375-73-5	X	X	3	2	2	2
PFPeS	2706-91-4		X	4	2	2	2
PFHXS	355-46-4	X	X	3	2	2	2
PFHpS	375-92-8		X	3	2	2	2
PFOS	1763-23-1	X	X	4	2	2	2
HFPO-DA (GenX)	13252-13-6	X	X	5	2	2.5	8
ADONA	919005-14-4	X	X	3	2	2	2
NEtFOSAA	2991-50-6	X		5	2	4	2
NMeFOSAA	2355-31-9	X		6	2	4	2
11Cl-PF3OUdS	763051-92-9	X	X	5	2	2	2
9Cl-PF3ONS	756426-58-1	X	X	2	2	2	2
4:2FTS	757124-72-4		X	3	2	2	2
6:2FTS	27619-97-2		X	5	2	2	2
8:2FTS	39108-34-4		X	5	2	2	2
PFEESA	113507-82-7		X	3	2	2	2
NFDHA	151772-58-6		X	20	2	2	2
PFMBA	863090-89-5		X	3	2	2	2
PFMPA	377-73-1		X	4	2	2	2
PFHxDA	67905-19-5				2	2	8
PFODA	16517-11-6				2	3.5	8
PFNS	68259-12-1				2	2	4
PFDS	335-77-3				2	2	4
PFDoS	79780-39-5				2	2.5	8
10:2 FTS	120226-60-0				2	2	8
PFOSA	754-91-6				2	2	4
MeFOSA	31506-32-8				2	8	16
EtFOSA	4151-50-2				2	8	8
MeFOSE	24448-09-07				4	8	8
EtFOSE	1691-99-2				2	8	8

Acronym	CASRN	Measured with EPA Method 537.1	Measured with EPA Method 533	UCMR5 MRLs	Eurofins MRLs	Vista Analytical MRLs	Pace Analytical MRLs
Total PFAS Covered		**18**	**25**	**29**	**70**	**45**	**40**
3:3 FTCA	0356-02-05				2	2	
5:3 FTCA	914637-49-3				2	2.5	
7:3 FTCA	812-70-4				2	2	
PFecHS	67584-42-3					2.5	
F-53B Major	53826-12-3				2		
6:2 FTUCA*	70887-88-6				2		
8:2 FTCA	27854-31-5				2		
8:2 FTUCA*	70887-84-2				2		
10:2 FTCA	53826-13-4				3		
10:2 FTUCA*	70887-94-4				2		
PFECHS	133201-07-7				2		
PFPrS	423-41-6				2		
PFMOAA	674-13-5				2		
PFECA G	801212-59-9				2		
PFO4DA	39492-90-5				2		
PFO3OA	39492-89-2				2		
PFO2HXA	39492-88-1				2		
PFO5DA	39492-91-6				2		
PMPA	13140-29-9				2		
PEPA	267239-61-2				2		
MTP*	93449-21-9				2		
PFPrA	422-64-0				2		
R-EVE	2416366-22-6				2		
NVHOS	1132933-86-8				3		
Hydro-EVE Acid	773804-62-9				2		
EVE Acid*	69087-46-3				2		
R-PSDA*	2416366-18-0				2		
Hydrolyzed PSDA*	2416366-19-1				2		
R-PSDCA	2416366-21-5				2		
PS Acid*	29311-67-9				2		
Hydro-PS Acid	749836-20-2				2		

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III. CONCLUSION

The goal of the changes we are proposing is to assure more comprehensive testing for hazardous and likely widespread contaminants. If such testing is not done, we are concerned that the public and often the water utilities themselves will not be aware of contamination of their water supplies. They will not be made aware of the need for treatment, source water protection, and other measures to address the threats posed. Moreover, a lack of more comprehensive data may hinder EPA's and states' ability to adopt effective regulatory measures to protect the public. Thank you for your attention to our comments and to these important issues.

Sincerely,

Anna Reade, PhD, Staff Scientist
Erik D. Olson, Senior Strategic Director,
Health & Food
Natural Resources Defense Council

Tom Bruton, PhD
Senior Scientist
Green Science Policy Institute

Suzanne Novak
Senior Attorney
Earthjustice

cc: Jennifer McLain, Director, EPA Office of Groundwater and Drinking Water
EPA Docket EPA-HQ-OW-2020-0530

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Message

From: Michael Brune [michael.brune@sierraclub.org]
Sent: 5/20/2021 7:04:37 PM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
CC: Laura Bentzen [Lbentzen@partnershipproject.org]; Jasmine Harrison [jharrison@partnershipproject.org]
Subject: Request for meeting

Rosemary,

I hope you're well. Per our conversation, we'd like to set up a conversation with Administrator Regan and the CEO's from the new environmental leadership network I mentioned to the Administrator on our last call. Below is more information about that network and an invitation and request to meet. I'm also copying Jasmine Harrison and Laura Bentzen, who helped to create this network and are staffing it currently. Thx for all your help!

Mike

Administrator Regan,

Thank you for your service.

We are leaders of a new, national environmental leadership network (not yet named) has launched to effectively break down silos and build power across the environmental movement in new and exciting ways. We are about 70 CEO's of national environmental organizations; environmental justice groups; tribal, youth, civil rights, economic justice, conservative, health and faith-based organizations; unions, state-based groups, and more, As a starting point, we aim to:

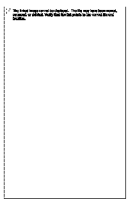
1. Create fair and equitable spaces and opportunities for engagement among leaders in order to strengthen existing relationships and build new ones;
2. Create equity of power and increase access to resources for frontline communities so that equity guides all network efforts for the sake of the broader society;
3. Create synergy and connective infrastructure among existing networks and participating organizations; and
4. Incubate, support, strengthen and organize campaigns that leverage the support and power of millions of Americans and direct it toward concrete, achievable goals.

We are incredibly grateful for your willingness to fill such a pivotal role within the new administration and champion the work that matters so much to our collective future. And to help us better understand your priorities as well as how we individually and collectively can be effective partners in advancing those priorities, we would like to invite you to join us for a virtual meeting, ideally for 45-60 minutes.

On behalf of ourselves and our membership, we thank you for your unfailing leadership and perseverance in these incredibly important fights. There is so much to do, and the first step is finding genuine and authentic ways to work together. We look forward to engaging with you and your team very soon.

Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap



Michael Brune
Executive Director
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pronouns: he, him, his
Subscribe to my blog and
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Message

From: Suzanne DiBianca [sdibianca@salesforce.com]
Sent: 6/16/2021 10:54:59 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; McCabe, Janet [McCabe.Janet@epa.gov]
CC: Rob Stein [rob.stein@salesforce.com]; Joel Elliott [joel.elliott@salesforce.com]; Alexis Davis [alexis.davis@salesforce.com]; Kerry Wilson [kwilson@salesforce.com]; Megan Lorenzen [mlorenzen@salesforce.com]
Subject: Thank you and request for follow up meeting

Dear Administrator Regan, Deputy Administrator McCabe, Mr. Levy and Ms. Enobakhare,

I'm writing to thank you for the time and attention you gave to us last Thursday during the roundtable discussion that was organized by Ceres. As you could probably tell from our remarks, each of us is eager to partner with you and the EPA to make progress on the many important goals you've set for the agency.

I'd love to learn more from you on your specific priorities and see how we can assist you from a technology perspective and light up the tech community. I would also love share with you what we are seeing with the rise of "Ecoprenuers" and how that relates I believe to our shared commitment around environmental justice.

We stand ready to help in any additional ways that we can and, to that end, would greatly appreciate having the opportunity to meet with you again. Salesforce has set a 1.5 C science based emission reduction target, is 100% powered by renewable energy today, Is a NetZero company, etc but understand that will mean nothing if governments and others in the private sector do not join together in these efforts. You noted during the roundtable that the power to partner is critical to confronting a global challenge like climate change. We couldn't agree more.

At Salesforce, software is our "superpower" and we strive, day in and day out, to use it for good. We're currently doing that very thing in the EPA by helping the scientists in the Office of Chemical Safety and Pollution Prevention spend about 45,000 hours more per year on scientific work as opposed to the administrative work that used to consume that time. There is so much more we could do with you in this area as well if there is appetite.

Please enlist us in your campaign to make the future more livable for all and let us know what works best for us to continue the conversation.

With warmest regards,

Suzanne

--
Suzanne DiBianca
Chief Impact Officer
& EVP Corporate Relations

Check out our latest Stakeholder Impact Report to see how Salesforce is blazing a trail towards a better, more equal world.

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Message

From: Olson, Erik [eolson@nrdc.org]
Sent: 7/8/2021 5:57:17 PM
To: Fox, Radhika [Fox.Radhika@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
CC: Adams, Alexandra [aadams@nrdc.org]; Madeleine Foote [madeleine_foote@lcv.org]; Sabater, Juan [Sabater.Juan@epa.gov]; Tiago, Joseph [Tiago.Joseph@epa.gov]
Subject: Water infrastructure funding
Attachments: Water Budget Instruction Numbers for Reconciliation-final.docx

Radhika & Rosemary,
We thought you might be interested in seeing the requests that the environmental community is making for water infrastructure funding. Happy to discuss with you. Thanks!
Erik

Water Budget Instruction Numbers for Reconciliation: an Overview

- **ASCE: $1.1 trillion gap in water infrastructure funding over next 10 years.** The American Society for Civil Engineers' 2021 report estimates that the "US needs to invest a total of $109 billion per year in water infrastructure over the next 20 years in 2019 dollars to close the water infrastructure gap." That would be $2.1 trillion over the next 20 years, or $1.1 trillion over the next 10 years to close the current water infrastructure investment gap.
- **Massive reduction in federal share of water infrastructure capital spending over past 40 years.** According to the ASCE, "the federal government's share of capital spending in the water sector fell from 63% in 1977 to 9% of total capital spending in 2017."
- **Thus, as recognized by the ASCE and as discussed below, the needs for drinking water, wastewater, and stormwater infrastructure are at least $1.1 to $1.5 trillion in the next 10 years.**
- **The American Jobs Plan proposes $111 billion for water infrastructure spread over the next 8 years, or about 10% of the total need.**
- ***As outlined below, we recommend at least $150.6 billion for drinking water, $109.55 billion for clean water, and $90 billion for low-income water assistance and water bill arrears relief.***

1. Drinking Water Infrastructure:

At least $1.1 trillion in needs; recommend a minimum $150.6 billion budget instruction for drinking water

This is based upon the following:

- **AWWA: $1 trillion in needs.** The American Water Works Association estimates that drinking water funding alone that's needed is $1 trillion.
- **EPA: $473 billion, not including lead pipes, other needs.** EPA says just to pay for state-identified *drinking water* infrastructure needs, not including 100% lead pipe replacement, it will cost $473 billion.
- **Lead Pipe Replacement: At least $45 billion.** Lead service line pipe replacement will cost at least $45 billion on top of that, as called for in the President's American Jobs Plan. EPA recently estimated that there are 9.3 million lead service lines; NRDC is about to release a survey of states finding that there could be 12.8 million lead service lines or even more. EPA says the cost of replacing each line is about $5,000.

- **School and Childcare Center Lead in Water: $4 billion.** This is based on the costs from school districts that have installed water filters in schools. Cost for purchasing filtration stations is $2.8 billion for 56.6 million students (1 for every 100 kids, per the International Plumbing Code), plus replacement cartridges, installation, labor, related costs, totaling $4 billion.
- **The environmental community has called for at least $150.6 billion for drinking water:**
    - $10 billion per year investment in the Drinking Water State Revolving Fund (or $100 billion over 10 years),
    - $45 billion for lead service line replacement;
    - $400 million/year ($4 billion over 10 years) for lead in schools and day care centers;
    - $100 million/year ($1 billion over 10 years) for Colonias; and
    - $60 million/year ($600 million over 10 years) for small and disadvantaged communities.
- **This totals $150.6 billion over 10 years.**

2. Clean Water Infrastructure:

At least $271 billion in needs, recommend at least $109.55 billion in budget instruction for wastewater and stormwater

- **EPA: $271 billion for wastewater/stormwater.** EPA's 2012 needs estimate for clean water infrastructure is $271 billion on top of that, but that certainly will go up with the next survey soon.
- **The environmental community has called for at least $10 billion per year investment in the Clean Water State Revolving fund (or $100 billion over 10 years).**
    - 20% of this funding should be set aside for grants to low-income communities, with state match waived for these grants.
    - 20% of this funding should be set aside for green infrastructure grants, with the state match waived.
- **In addition, the environmental community also has called for $955 million/year (or $9.55 billion over 10 years) to address urgent wastewater and stormwater infrastructure needs** not funded through the CWSRF, including:
    - $120 million/year ($1.2 billion total) for Alaska Native Villages and Rural Communities Water Grant program.
    - $100 million/year ($1 billion total) for the U.S.-Mexico Border Water Infrastructure Program to provide drinking water and wastewater services to communities living on the border.
    - $400 million per year ($4 billion total) for the Sewer Overflow and Stormwater Reuse Municipal Grants Program.
    - $200 million per year ($2 billion total) for grants to publicly owned treatment works to implement a pretreatment standard or effluent limitation for per- or polyfluoroalkyl (PFAS) developed by the EPA.
    - $50 million per year ($500 million total) for a new Low-Income Decentralized Wastewater Grant Program, including a warranty for installed units.
    - $20 million per year ($200 million total) for a new Clean Water Infrastructure Resiliency and Sustainability Program, which would help increase the resilience of publicly owned treatment works to natural disasters and climate change.
    - $10 million per year ($100 million total) for a new Small Publicly Owned Treatment Works Water and Energy Efficiency Grant Program.
    - $5 million per year ($50 million total) for the Water Infrastructure Workforce Development Program.

- $50 million per year ($500 million total) for technical support to help utilities in rural, small, tribal, and economically disadvantaged communities access available federal infrastructure funding.
-

- **This totals $109.55 billion over 10 years**

3. Low Income Consumer Debt Relief and Water Bill Assistance:

At least $90 billion in needs to be included in budget instruction.

- **Debt Relief: $10 billion.** For one-time debt relief, the Merkley bill (S 1783), includes $10b for water/wastewater debt relief.
- **Annual Low-Income Water Assistance: $8 billion/year.** For annual funding need for a permanent program, as discussed in a March 2021 letter (attached): "$8 billion each year for 10 years ($80 billion in total) for long-term water affordability funding." The $8 billion/year number is based on the following, which suggests it's an under-estimate of need: "In California alone the estimated cost of an ongoing water affordability program for drinking water needs is over $600 million per year. If that is extrapolated nationwide, and the program includes wastewater, the total could easily top $8 billion per year for agencies in both rural and urban communities across the country."

ERIK D. OLSON
Senior Strategic Director, Health & Food

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NRDC

Water Budget Instruction Numbers for Reconciliation: an Overview

- **ASCE: $1.1 trillion gap in water infrastructure funding over next 10 years.** The American Society for Civil Engineers' 2021 report [HYPERLINK "https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.asce.org%2FuploadedFiles%2FIssues_and_Advocacy%2FInfrastructure%2FContent_Pieces%2FFailure%2520to%2520Act%2520Water%2520Wastewater%25202020%2520Final.pdf&data=04%7C01%7Cjgonzalez%40earthjustice.org%7C5cc310e311a748949ae608d94153467b%7Cadedb458e8e34c4e9bedfa792af66cb6%7C0%7C0%7C637612649299395520%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=0%2F%2F1vwokJkZJXac40S4L%2B%2F5NXVw22MNqK2izg%2F73OXI%3D&reserved=0"] that the "US needs to invest a total of $109 billion per year in water infrastructure over the next 20 years in 2019 dollars to close the water infrastructure gap." That would be $2.1 trillion over the next 20 years, or $1.1 trillion over the next 10 years to close the current water infrastructure investment gap.
- **Massive reduction in federal share of water infrastructure capital spending over past 40 years.** According to [HYPERLINK "https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Finfrastructurereportcard.org%2Fcat-item%2Fdrinking-water%2F&data=04%7C01%7Cjgonzalez%40earthjustice.org%7C5cc310e311a748949ae608d94153467b%7Cadedb458e8e34c4e9bedfa792af66cb6%7C0%7C0%7C637612649299405471%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=wGpoFq%2BLlhilT4Wdan146%2B5bCEaSC34ZEviGkTiTevA%3D&reserved=0"], "the federal government's share of capital spending in the water sector fell from 63% in 1977 to 9% of total capital spending in 2017."
- **Thus, as recognized by the ASCE and as discussed below, the needs for drinking water, wastewater, and stormwater infrastructure are at least $1.1 to $1.5 trillion in the next 10 years.**
- **The American Jobs Plan proposes $111 billion for water infrastructure spread over the next 8 years, or about 10% of the total need.**
- ***As outlined below, we recommend at least $150.6 billion for drinking water, $109.55 billion for clean water, and $90 billion for low-income water assistance and water bill arrears relief.***

1. Drinking Water Infrastructure:

At least $1.1 trillion in needs; recommend a minimum $150.6 billion budget instruction for drinking water

This is based upon the following:

- **AWWA: $1 trillion in needs.** The American Water Works Association [HYPERLINK "https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.climateneeds.umd.edu%2Freports%2FAmerican-Water-

Works.pdf&data=04%7C01%7Cjgonzalez%40earthjustice.org%7C5cc310e311a748949ae608d94153467b%7Cadedb458e8e34c4e9bedfa792af66cb6%7C0%7C0%7C637612649299415430%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=06S0yjy98IAbSXBKw6g1mxwwNUYbjTl1umtWAVOW8Y8%3D&reserved=0"] that drinking water funding alone that's needed is $1 trillion.

- **EPA: $473 billion, not including lead pipes, other needs.** EPA [HYPERLINK "https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.epa.gov%2Fdwsrf%2Fepas-6th-drinking-water-infrastructure-needs-survey-and-assessment&data=04%7C01%7Cjgonzalez%40earthjustice.org%7C5cc310e311a748949ae608d94153467b%7Cadedb458e8e34c4e9bedfa792af66cb6%7C0%7C0%7C637612649299415430%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=D55nVwms9LVuiHZvPgWWuZfW2rADFiYT1zgHlXcnaps%3D&reserved=0"] just to pay for state-identified *drinking water* infrastructure needs, not including 100% lead pipe replacement, it will cost $473 billion.
- **Lead Pipe Replacement: At least $45 billion.** Lead service line pipe replacement will cost at least $45 billion on top of that, as called for in the President's American Jobs Plan. EPA recently estimated that there are 9.3 million lead service lines; NRDC is about to release a survey of states finding that there could be 12.8 million lead service lines or even more. [HYPERLINK "https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.epa.gov%2Fsites%2Fproduction%2Ffiles%2F2019-10%2Fdocuments%2Fstrategies_to_achieve_full_lead_service_line_replacement_10_09_19.pdf&data=04%7C01%7Cjgonzalez%40earthjustice.org%7C5cc310e311a748949ae608d94153467b%7Cadedb458e8e34c4e9bedfa792af66cb6%7C0%7C0%7C637612649299425391%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=HBrurL4nNBF8tl9ejE4UfSNLKZu8xp9bJ%2FU48rLGAk4%3D&reserved=0"] the cost of replacing each line is about $5,000.
- **School and Childcare Center Lead in Water: $4 billion.** This is based on the costs from school districts that have installed water filters in schools. Cost for purchasing filtration stations is $2.8 billion for 56.6 million students (1 for every 100 kids, per the International Plumbing Code), plus replacement cartridges, installation, labor, related costs, totaling $4 billion.
- **The environmental community has called for at least $150.6 billion for drinking water:**
    - $10 billion per year investment in the Drinking Water State Revolving Fund (or $100 billion over 10 years),
    - $45 billion for lead service line replacement;
    - $400 million/year ($4 billion over 10 years) for lead in schools and day care centers;
    - $100 million/year ($1 billion over 10 years) for Colonias; and
    - $60 million/year ($600 million over 10 years) for small and disadvantaged communities.
- **This totals $150.6 billion over 10 years.**

2. Clean Water Infrastructure:

At least $271 billion in needs, recommend at least $109.55 billion in budget instruction for wastewater and stormwater

- **EPA: $271 billion for wastewater/stormwater.** EPA's 2012 needs estimate for clean water infrastructure is $271 billion on top of that, but that certainly will go up with the next survey soon.
- **The environmental community has called for at least $10 billion per year investment in the Clean Water State Revolving fund (or $100 billion over 10 years).**
    - 20% of this funding should be set aside for grants to low-income communities, with state match waived for these grants.
    - 20% of this funding should be set aside for green infrastructure grants, with the state match waived.
- **In addition, the environmental community also has called for $955 million/year (or $9.55 billion over 10 years) to address urgent wastewater and stormwater infrastructure needs** not funded through the CWSRF, including:
    - $120 million/year ($1.2 billion total) for Alaska Native Villages and Rural Communities Water Grant program.
    - $100 million/year ($1 billion total) for the U.S.-Mexico Border Water Infrastructure Program to provide drinking water and wastewater services to communities living on the border.
    - $400 million per year ($4 billion total) for the Sewer Overflow and Stormwater Reuse Municipal Grants Program.
    - $200 million per year ($2 billion total) for grants to publicly owned treatment works to implement a pretreatment standard or effluent limitation for per- or polyfluoroalkyl (PFAS) developed by the EPA.
    - $50 million per year ($500 million total) for a new Low-Income Decentralized Wastewater Grant Program, including a warranty for installed units.
    - $20 million per year ($200 million total) for a new Clean Water Infrastructure Resiliency and Sustainability Program, which would help increase the resilience of publicly owned treatment works to natural disasters and climate change.
    - $10 million per year ($100 million total) for a new Small Publicly Owned Treatment Works Water and Energy Efficiency Grant Program.
    - $5 million per year ($50 million total) for the Water Infrastructure Workforce Development Program.
    - $50 million per year ($500 million total) for technical support to help utilities in rural, small, tribal, and economically disadvantaged communities access available federal infrastructure funding.
    -
- **This totals $109.55 billion over 10 years**

3. Low Income Consumer Debt Relief and Water Bill Assistance:

At least $90 billion in needs to be included in budget instruction.

- **Debt Relief: $10 billion.** For one-time debt relief, the Merkley bill (S 1783), includes $10b for water/wastewater debt relief.
- **Annual Low-Income Water Assistance: $8 billion/year.** For annual funding need for a permanent program, as discussed in a March 2021 letter (attached): "$8 billion each year for 10 years ($80 billion in total) for long-term water affordability funding." The $8 billion/year number is based on the following, which suggests it's an under-estimate of need: "In California alone the [HYPERLINK "https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.waterboards.ca.gov%2Fwater_issues%2Fprograms%2Fconservation_portal%2Fassistance%2Fdocs%2Fab401_report.pdf&data=04%7C01%7Cjgonzalez%40earthjustice.org%7C5cc310e311a748949ae608d94153467b%7Cadedb458e8e34c4e9bedfa792af66cb6%7C0%7C0%7C637612649299425391%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=3nKNcv%2FJ%2FBG5h9R1QnvY3WIWJCheZ0MVxMGMb1hA7XI%3D&reserved=0"] of an ongoing water affordability program for drinking water needs is over $600 million per year. If that is extrapolated nationwide, and the program includes wastewater, the total could easily top $8 billion per year for agencies in both rural and urban communities across the country."

Message

From: Olson, Erik [eolson@nrdc.org]
Sent: 7/14/2021 2:19:52 PM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Lausier, Anne [Lausier.Anne@epa.gov]
Subject: RE: LCRR National Stakeholder Roundtable

Ok thanks!

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, July 14, 2021 9:58 AM
To: Olson, Erik <eolson@nrdc.org>; Sabater, Juan <Sabater.Juan@epa.gov>; Lausier, Anne <Lausier.Anne@epa.gov>
Cc: Yanna Lambrinidou [Ex. 6]; Roper, Cyndi <croper@nrdc.org>; Suzanne Novak <snovak@earthjustice.org>; Paul Schwartz <[Ex. 6]
Subject: RE: LCRR National Stakeholder Roundtable

Hey Erik,

Thanks for your note. Anne Lausier who is copied on this email will respond to your questions regarding the stakeholder roundtable today with more information.

From: Olson, Erik <eolson@nrdc.org>
Sent: Tuesday, July 13, 2021 2:05 PM
To: Sabater, Juan <Sabater.Juan@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Yanna Lambrinidou <[Ex. 6]>; Roper, Cyndi <croper@nrdc.org>; Suzanne Novak <snovak@earthjustice.org>; Paul Schwartz [Ex. 6] Lausier, Anne <Lausier.Anne@epa.gov>
Subject: RE: LCRR National Stakeholder Roundtable

Juan & Rosemary,
Thanks again for the invitation to participate in the Stakeholder Roundtable. Would it be possible please to let those of us who will be participating to know what groups have been invited and a broad set of questions to be addressed this week? Will they be the same questions placed to folks at the recent Community Roundtables? I for one am out next Monday and Tuesday, so notifying us next week for the Wednesday call will not help us in preparing. Thanks!
Erik

ERIK D. OLSON
Senior Strategic Director, Health & Food

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From: Paul Schwartz <Ex. 6
Sent: Wednesday, July 7, 2021 2:25 PM
To: Sabater, Juan <Sabater.Juan@epa.gov>
Cc: Yanna Lambrinidou <Ex. 6>; Olson, Erik <eolson@nrdc.org>; Roper, Cyndi <croper@nrdc.org>; Suzanne Novak <snovak@earthjustice.org>; Lausier, Anne <Lausier.Anne@epa.gov>
Subject: Re: LCRR National Stakeholder Roundtable

Thanks Juan for passing me off to Anne, I appreciate it. One last question for today, I see the schedule for the Memphis and Chicago Community Roundtables but not anything listed for MKE.on the LCRR "About" section of the Youtube channel -- do you know when it is?

Paul

On Wed, Jul 7, 2021 at 2:10 PM Sabater, Juan <Sabater.Juan@epa.gov> wrote:

> Hi Paul,
>
> Thank you for reaching out! I have CC'd Anne Lausier to help address any questions you may have!
>
> Regards,
>
> **Juan Sabater (He/Him)**
>
> Special Assistant, Office of Water IO
>
> U.S. Environmental Protection Agency
>
> Cell: (202) 815-9919 | sabater.juan@epa.gov

From: Paul Schwartz <Ex. 6
Sent: Wednesday, July 7, 2021 2:07 PM
To: Sabater, Juan <Sabater.Juan@epa.gov>
Cc: Yanna Lambrinidou <Ex. 6>; Olson, Erik <eolson@nrdc.org>; Roper, Cyndi <croper@nrdc.org>; Suzanne Novak <snovak@earthjustice.org>
Subject: LCRR National Stakeholder Roundtable

Hi Juan. I'm just doing a quick check-in with you about the July 21st LCRR National Stakeholder Roundtable.

As we are two weeks out from the meeting, it would be helpful to get some clarification about meeting design and who is participating? Both of those pieces of information would support our planning so that we can maximize the thoughtfulness of our input at the meeting.

Good luck with the Memphis and Chicago Community Roundtables.

Best,

Paul Schwartz

Campaign for Lead Free Water

Message

From: Jasmine Harrison [jharrison@partnershipproject.org]
Sent: 8/2/2021 3:29:44 PM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Laura Bentzen [lbentzen@partnershipproject.org]; Morgan, Ashley [Morgan.Ashley.M@epa.gov]
CC: Levy, Maxwell [Levy.Maxwell@epa.gov]; Michael Brune, Sierra Club [michael.brune@sierraclub.org]
Subject: Re: Request for meeting

Hi Rosemary,

Thank you! We will circulate a calendar invitation to the network so that they can get this call on their calendars. Two questions before I circulate the invitation: (1) Would you like us to send the invitation to anyone on your team? If so, can you please share their names and email addresses? (2) Could we use our regular Zoom link or would you like to send a secure Zoom link?

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, July 30, 2021 2:09 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi there,

Thanks so much for bearing with me on this. We are currently holding Wednesday, August 11th from 4:30pm – 5:15pm for this meeting. Looping in Ashley Morgan from our scheduling team to lock this in if it works for you all. Let's plan to hop on the phone next week to discuss meeting agenda and format.

Thanks again,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, July 30, 2021 9:41 AM
To: Laura Bentzen <lbentzen@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope that your week hasn't been too hectic. Bumping Laura's email from last week up in your inbox.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 21, 2021 2:42 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: RE: Request for meeting

Hi Rosemary,

Just checking in to see if you might have an update for us. Do you still think July is a possibility or is August more realistic? I do think mid-to-late August might be best for the network since members have requested as much lead time as possible to maximize their attendance. When you are able to share times, if there is any possibility that you could provide us with two weeks' notice, we'd greatly appreciate it.

Best,
Laura

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 12:52 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Thank you!

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, July 14, 2021 12:49 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I think we can make late July or early August work. I'll circle back this with times.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 11:38 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope your week is going well. Checking in to see if you think Administrator Regan is most likely to be free for this meeting in late July or August? Please let us know if you need anything else from us at this time.

Best,

Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 7, 2021 12:16 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Rosemary,

I hope you are having a good week. As was discussed last month with Mike Brune and Jasmine Harrison, we'd love to set up a meeting with Administrator Regan and the new network. Do you think July is a possibility, or would August be preferred? Please let us know what is realistic when you can.

Many thanks,
Laura Bentzen

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 30, 2021 3:28 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

Bumping this up in your inbox!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, June 15, 2021 10:10 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary.

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Tuesday, June 15, 2021 7:23 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

I'll circle back today with a few times for next month.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 9, 2021 9:42 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra

Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary!

Please let us know if it is helpful for us to offer up some times as well. We would appreciate the opportunity to meet with Administrator Regan at the end of this month or beginning of next, but understand he has a busy schedule.

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, June 2, 2021 9:28 AM
To: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I don't know how this email got lost in my inbox but glad it popped up this morning. Thanks for sending this over Michael.

Hello Laura and Jasmine, I'd be happy to find some time for on the Administrator's calendar for this conversation. I'll circle back with you on timing for this conversation.

Thanks,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Michael Brune <michael.brune@sierraclub.org>
Sent: Thursday, May 20, 2021 3:05 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <Lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: Request for meeting

Rosemary,

I hope you're well. Per our conversation, we'd like to set up a conversation with Administrator Regan and the CEO's from the new environmental leadership network I mentioned to the Administrator on our last call. Below is more information about that network and an invitation and request to meet. I'm also copying Jasmine Harrison and Laura Bentzen, who helped to create this network and are staffing it currently. Thx for all your help!

Mike

Administrator Regan,

Thank you for your service.

We are leaders of a new, national environmental leadership network (not yet named) has launched to effectively break down silos and build power across the environmental movement in new and exciting ways. We are about 70 CEO's of national environmental organizations; environmental justice groups; tribal, youth, civil rights, economic justice, conservative, health and faith-based organizations; unions, state-based groups, and more, As a starting point, we aim to:

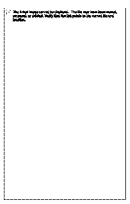
1. Create fair and equitable spaces and opportunities for engagement among leaders in order to strengthen existing relationships and build new ones;
2. Create equity of power and increase access to resources for frontline communities so that equity guides all network efforts for the sake of the broader society;
3. Create synergy and connective infrastructure among existing networks and participating organizations; and
4. Incubate, support, strengthen and organize campaigns that leverage the support and power of millions of Americans and direct it toward concrete, achievable goals.

We are incredibly grateful for your willingness to fill such a pivotal role within the new administration and champion the work that matters so much to our collective future. And to help us better understand your priorities as well as how we individually and collectively can be effective partners in advancing those priorities, we would like to invite you to join us for a virtual meeting, ideally for 45-60 minutes.

On behalf of ourselves and our membership, we thank you for your unfailing leadership and perseverance in these incredibly important fights. There is so much to do, and the first step is finding genuine and authentic ways to work together. We look forward to engaging with you and your team very soon.

Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap



Michael Brune
Executive Director
michael.brune@sierraclub.org
415-977-5662
pronouns: he, him, his
Subscribe to my blog and
on Facebook and Twitter

Message

From: Jasmine Harrison [jharrison@partnershipproject.org]
Sent: 8/2/2021 6:24:25 PM
To: Morgan, Ashley [Morgan.Ashley.M@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Laura Bentzen [lbentzen@partnershipproject.org]
CC: Levy, Maxwell [Levy.Maxwell@epa.gov]; Michael Brune, Sierra Club [michael.brune@sierraclub.org]; Lance, Kathleen [Lance.Kathleen@epa.gov]
Subject: Re: Request for meeting
Attachments: To Share_ New Network Member Directory.xlsx

Hi Ashley,

Please see the attached. Our network is not public-facing, so I ask that you please keep this list of members very closely held.

What day this week works for your team to discuss the meeting format and agenda?

Thank you,
Jasmine

From: Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Sent: Monday, August 2, 2021 1:39 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: RE: Request for meeting

Hi Jasmine –

Thanks so much for confirming that Wednesday, August 11th at 4:30 pm works on your end. I am happy to send around the calendar invitation with a zoom link. Could you please provide the names, email addresses, and organizations of all attendees?

Thanks!
Ashley

Ashley M. Morgan
Deputy Director of Scheduling and Advance
U.S. Environmental Protection Agency
Cell: (202) 909-9983

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 11:30 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Rosemary,

Thank you! We will circulate a calendar invitation to the network so that they can get this call on their calendars. Two questions before I circulate the invitation: (1) Would you like us to send the invitation to anyone on your team? If so, can you please share their names and email addresses? (2) Could we use our regular Zoom link or would you like to send a secure Zoom link?

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, July 30, 2021 2:09 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi there,

Thanks so much for bearing with me on this. We are currently holding Wednesday, August 11th from 4:30pm – 5:15pm for this meeting. Looping in Ashley Morgan from our scheduling team to lock this in if it works for you all. Let's plan to hop on the phone next week to discuss meeting agenda and format.

Thanks again,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, July 30, 2021 9:41 AM
To: Laura Bentzen <lbentzen@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope that your week hasn't been too hectic. Bumping Laura's email from last week up in your inbox.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 21, 2021 2:42 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: RE: Request for meeting

Hi Rosemary,

Just checking in to see if you might have an update for us. Do you still think July is a possibility or is August more realistic? I do think mid-to-late August might be best for the network since members have requested as much lead time as possible to maximize their attendance. When you are able to share times, if there is any possibility that you could provide us with two weeks' notice, we'd greatly appreciate it.

Best,
Laura

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 12:52 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Thank you!

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, July 14, 2021 12:49 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I think we can make late July or early August work. I'll circle back this with times.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 11:38 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope your week is going well. Checking in to see if you think Administrator Regan is most likely to be free for this meeting in late July or August? Please let us know if you need anything else from us at this time.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 7, 2021 12:16 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Rosemary,

I hope you are having a good week. As was discussed last month with Mike Brune and Jasmine Harrison, we'd love to set up a meeting with Administrator Regan and the new network. Do you think July is a possibility, or would August be preferred? Please let us know what is realistic when you can.

Many thanks,
Laura Bentzen

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 30, 2021 3:28 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

Bumping this up in your inbox!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, June 15, 2021 10:10 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary.

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Tuesday, June 15, 2021 7:23 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

I'll circle back today with a few times for next month.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 9, 2021 9:42 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary!

Please let us know if it is helpful for us to offer up some times as well. We would appreciate the opportunity to meet with Administrator Regan at the end of this month or beginning of next, but understand he has a busy schedule.

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, June 2, 2021 9:28 AM
To: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I don't know how this email got lost in my inbox but glad it popped up this morning. Thanks for sending this over Michael.

Hello Laura and Jasmine, I'd be happy to find some time for on the Administrator's calendar for this conversation. I'll circle back with you on timing for this conversation.

Thanks,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Michael Brune <michael.brune@sierraclub.org>
Sent: Thursday, May 20, 2021 3:05 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <Lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: Request for meeting

Rosemary,

I hope you're well. Per our conversation, we'd like to set up a conversation with Administrator Regan and the CEO's from the new environmental leadership network I mentioned to the Administrator on our last call. Below is more information about that network and an invitation and request to meet. I'm also copying Jasmine Harrison and Laura Bentzen, who helped to create this network and are staffing it currently. Thx for all your help!

Mike

Administrator Regan,

Thank you for your service.

We are leaders of a new, national environmental leadership network (not yet named) has launched to effectively break down silos and build power across the environmental movement in new and exciting ways. We are about 70 CEO's of national environmental organizations; environmental justice groups; tribal, youth, civil rights, economic justice, conservative, health and faith-based organizations; unions, state-based groups, and more, As a starting point, we aim to:

1. Create fair and equitable spaces and opportunities for engagement among leaders in order to strengthen existing relationships and build new ones;
2. Create equity of power and increase access to resources for frontline communities so that equity guides all network efforts for the sake of the broader society;
3. Create synergy and connective infrastructure among existing networks and participating organizations; and
4. Incubate, support, strengthen and organize campaigns that leverage the support and power of millions of Americans and direct it toward concrete, achievable goals.

We are incredibly grateful for your willingness to fill such a pivotal role within the new administration and champion the work that matters so much to our collective future. And to help us better understand your priorities as well as how we individually and collectively can be effective partners in advancing those priorities, we would like to invite you to join us for a virtual meeting, ideally for 45-60 minutes.

On behalf of ourselves and our membership, we thank you for your unfailing leadership and perseverance in these incredibly important fights. There is so much to do, and the first step is finding genuine and authentic ways to work together. We look forward to engaging with you and your team very soon.

Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap

Michael Brune
Executive Director
michael.brune@sierraclub.org
415-977-5662
pronouns: he, him, his
Subscribe to my blog and
on Facebook and Twitter

Organization (Link to Website)	Name (Link to Bio)	Title	Email	Scheduler	Scheduler Email
COUNTS	72				
350.org	Emily Southard	US Director of Strategy & Partnerships	emily.southard@350.org	Natasha Cherry	Natasha.cherry@350.org
Alliance of Nurses for Healthy Environments	Katie Huffling	Executive Director	katie@envirn.org	None	
Alternatives for Community & Environment	Dwaign Tyndal	Executive Director	dwaign@ace-ej.org		
American Conservation Coalition	Benji Backer	President & Founder	benji@acc.eco	Madison Link Rees	madison@tcc.eco
American Federation of Teachers	Randi Weingarten	President	rweingar@aft.org	Calvin MacDowell	cmacdowell@aft.org
American Lung Association	Harold Wimmer	National President and CEO	harold.wimmer@lung.org		
American Public Health Association	Dr. Georges Benjamin	Executive Director	georges.benjamin@apha.org	Asma Shethwala Yu	asma.shethwalayu@apha.org
BlueGreen Alliance	Jason Walsh	Executive Director	jwalsh@bluegreenalliance.org	Karsyn Kendrick	kkendrick@bluegreenalliance.org
California Environmental Justice Alliance	Gladys Limon	Executive Director	glimon@caleja.org		
Catholic Climate Covenant	Jose Aguto	Associate Director	jose@catholicclimatecovenant.org	None	
Center for American Progress	John Podesta	Founder	campodine49 Ex. 6	Jenna Sjogren	jsjogren@americanprogress.org
Center for Earth, Energy & Democracy	Anahi Naranjo	Equitable and Just National Climate Forum Coordinator	anaranjo@ceed.org		
Ceres	Mindy Lubber	President & CEO	lubber@ceres.org	Alyssa Scheiner	ascheiner@ceres.org
Children's Environmental Health Network	Nsedu Obot	Executive Director	Nobotw Ex. 6	None	
Climate + Energy Project	Dorothy Barnett	Executive Director	barnett@climateandenergy.org	None	
Coalition of Black Trade Unionists	Payton Wilkins	National Director	pwilkins@cbtu.org		
Conservation Hawks	Todd Tanner	Founder and President	todd.tanner@conservationhawks.org		
Deep South Center for Environmental Justice	Beverly Wright	Executive Director	beverlyw@dscej.org		
Defenders of Wildlife	Jamie Rappaport Clark	President & CEO	jclark@defenders.org	Inga Sedlovsky	isedlovsky@defenders.org
DEPLOY/US	Andrea Ayodsampa	Founder & CEO	ayodsampa@deployus.org	Denise Bush	dbush@deployus.org
Earthjustice	Abbie Dillen	President	adillen@earthjustice.org	Erin Elliott	eelliott@earthjustice.org
ecoAmerica	Meighen Speiser	Executive Director	meighen@ecoamerica.org	None	
Environmental Defense Fund	Fred Krupp	President	fkrupp@edf.org	Shira Copans	scopans@edf.org
Environmental Justice Health Alliance	Richard Moore		ljinewmexico Ex. 6		
Evangelical Environmental Network	Rev. Mitch Hescox	President	mitch@creationcare.org		
Friends of the Earth	Erich Pica	President	EPica@foe.org	Stacey Conn	sconn@foe.org
Green and Healthy Homes Initiative	Ruth Ann Norton	President & CEO	ranorton@ghhi.org		
Green the Church	Ambrose Carroll	Founder & CEO	ambrose@greenthechurch.org		
GreenFaith	Rev. Fletcher Harper	Executive Director	fletcher@greenfaith.org		
GreenLatinos	Mark Magaña	Founding President & CEO	markmagana@greenlatinos.org	None	
Greenpeace USA	Annie Leonard	Executive Director	annie.leonard@greenpeace.org	Jennifer Lucas	jennifer.lucas@greenpeace.org
Gulf Coast Center for Law & Policy	Colette Pichon Battle	Executive Director	colette@gcclp.org		
Gwich'in Steering Committee	Bernadette Demientieff	Executive Director	bernadette@gwichinsteering.com		
Health Care Without Harm	Gary Cohen	President & Co-founder	gary.cohen@hcwh.org	None	
Hip Hop Caucus	Liz Havstad	Executive Director	liz@hiphopcaucus.org	Laura Morrisey	laura@hiphopcaucus.org
Indigenous Environmental Network	Tom Goldtooth	Executive Director	ien@igc.org		
Interfaith Power & Light	Rev. Susan Hendershot	President	president@interfaithpowerandlight.org		
Kentuckians for the Commonwealth	Burt Lauderdale	Executive Director	burt@kftc.org		
Labor Council for Latin American Advancement Los Angeles Chapter	Xochitl Covarrubias	President, USW Local 675	xochitl@usw675.org		
League of Conservation Voters	Gene Karpinski	President	gene_karpinski@lcv.org	David McCoy	david_mccoy@lcv.org
Medical Society Consortium on Climate and Health	Dr. Mona Sarfaty	Executive Director	msarfaty@gmu.edu		
Midwest Environmental Justice Network	Eartha Borer Bell	Director	eborerbell@mwejn.org	None	
NAACP	Derrick Johnson	President & CEO	djp@naacpnet.org		
National Domestic Workers Alliance	Ai-jen Poo	Director	aijen@domesticworkers.org		
National Environmental Health Association	David Dyjack	Executive Director	ddyjack@neha.org		
National Religious Partnership for the Environment	Cassandra Carmichael	Executive Director	cassandra@nrpe.org	None	
National Wildlife Federation	Collin O'Mara	President and CEO	collin@nwf.org	David Chy	chyd@nwf.org
Native American Rights Fund	John Echohawk	Executive Director	jechohwk@narf.org	Jeff Schmidt	jschmidt@narf.org
Natural Resources Council of Maine	Lisa Pohlmann	CEO	lpohlmann@nrcm.org	None	
Natural Resources Defense Council	Mitch Bernard	President and Chief Counsel	mbernard@nrdc.org	Roseann Rock Isabella Bricker	rrock@nrdc.org; ibricker@nrdc.org
NDN Collective	Korina Barry	Action Managing Director	korina@ndncollective.org		
Niskanen Center	Jerry Taylor	President	jtaylor@niskanencenter.org	None	
Partnership for Southern Equity	Nathaniel Smith	Founder & Chief Equity Officer	nsmith@psequity.org	Rhonda Thompson	rthompson@psequity.org
Power Shift Network	Dany Sigwalt	Co-Executive Director	dany@powershift.org	None	
RE-AMP Network	Melissa Gavin	Chief Network Officer	melissa@reamp.org	None	
RepublicEN	Bob Inglis	Executive Director	Bob.Inglis@republicEn.org		
Rural Coalition	Lorette Picciano	Executive Director	lpicciano@ruralco.org		
Service Employees International Union	Mary Kay Henry	International President	Marykay.henry@seiu.org		
Sierra Club	Michael Brune	Executive Director	michael.brune@sierraclub.org	Dassance Raymond	dassance.raymond@sierraclub.org
Sunrise Movement	Varshini Prakash	Co-Founder and Executive Director	varshini@sunrisemovement.org		
TEJAS (Texas Environmental Justice Advocacy Services)	Juan Parras	Executive Director	parras.juan Ex. 6		
The Trust for Public Land	Diane Regas	President & CEO	diane.regas@tpl.org	Tamar Strain	Tamar.Strain@tpl.org
The Wilderness Society	Jamie Williams	President	jamie_williams@tws.org	Jinlin Fu	jfu@tws.org
Theodore Roosevelt Conservation Partnership	Whit Fosburgh	President & CEO	wfosburgh@trcp.org	None	
Trout Unlimited	Chris Wood	President & CEO	Chris.Wood@tu.org		
Union of Concerned Scientists	Kathleen Rest	Executive Director	KRest@ucsusa.org	Kristin David	kdavid@ucsusa.org
United Steelworkers	Thomas M. Conway	International President	tconway@usw.org		
US Climate Action Network	Keya Chatterjee	Executive Director	kchatterjee@usclimatenetwork.org		
US Green Building Council	Mahesh Ramanujam	President & CEO	mraman@usgbc.org		
WE ACT for Environmental Justice	Peggy Shepard	Co-Founder and Executive Director	peggy@weact.org		
Working Families Party	Maurice Mitchell	National Director	mmitchell@workingfamilies.org	Liz Pitt	lpitt@workingfamilies.org
Young Conservatives for Carbon Dividends	George Sebrakis	President	george@yccdaction.org		
Young Evangelicals for Climate Action	Tori Goebel	National Organizer & Spokesperson	tori@yecaction.org	None	
The Partnership Project	Laura Bentzen	Network support team	lbentzen@partnershipproject.org		
The Partnership Project	Jasmine Harrison	Network support team	jharrison@partnershipproject.org		

Organization (Link to Website)																				
350.org	Emily Southard	US Director of Strategy & Partnerships	emily.southard @350.org		Natasha Cherry	Natasha.cherry @350.org	350.org	Emily Southard	US Director of Strategy & Partnerships	emily.southard @350.org		Natasha Cherry	Natasha.cherry @350.org	350.org	Emily Southard	US Director of Strategy & Partnerships	emily.southard @350.org		Natasha Cherry	Natasha.cherry @350.org

Message

From: Jasmine Harrison [jharrison@partnershipproject.org]
Sent: 8/6/2021 4:13:50 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Laura Bentzen [lbentzen@partnershipproject.org]
CC: Michael Brune, Sierra Club [michael.brune@sierraclub.org]
Subject: Re: Request for meeting
Attachments: 8.11.21 Regan Mtg_Agenda + Script.docx

Good afternoon,

We hope that you all have something restful to look forward to this weekend. We wanted to share some updates around our outstanding action items below.

1. 8.11.21 Meeting Agenda + Script: A first cut at a draft agenda and script is attached.
    a. Currently being reviewed and edited by the two members of our Steering Committee who have volunteered to co-facilitate on 8/11
    b. Currently confirming our three speakers to give remarks before the Q&A and adding in their draft remarks for your review
2. Attendee List: We are still collecting RSVPs and will send you the list of expected attendees by EOD on Monday, August 9th.
3. Speaker bios & photos: We are still working to confirm our speakers and we will send you bios and photos for them and our facilitators by EOD on Monday, August 9th.

Please let us know if you have any questions or concerns.

Have a nice weekend!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, August 3, 2021 11:56 AM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Max! We will speak with you tomorrow.

Best,
Jasmine

From: Levy, Maxwell <Levy.Maxwell@epa.gov>
Sent: Tuesday, August 3, 2021 11:55 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

That's great to hear! I'll send around a calendar invite shortly with a Teams link and dial-in, feel free to forward that along to anyone else who should join.

Thanks,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, August 3, 2021 11:50 AM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Max,

Thank you for getting back to us so quickly. We're looking forward to it as well. Let's go with tomorrow, August 4th, at 1 pm ET. Would you like to supply a conference number or would you prefer for us to send one?

Best,
Jasmine

From: Levy, Maxwell <Levy.Maxwell@epa.gov>
Sent: Tuesday, August 3, 2021 11:38 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Jasmine, we're excited to talk through this event in more detail! Would you be available at 3:30pm ET today, or 1pm or 4:30pm tomorrow? If not, let us know some other times that could work in the next couple days and we can try and find some time that works.

Thanks,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 2:24 PM
To: Morgan, Ashley <Morgan.Ashley.M@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance,

Kathleen <Lance.Kathleen@epa.gov>
Subject: Re: Request for meeting

Hi Ashley,

Please see the attached. Our network is not public-facing, so I ask that you please keep this list of members very closely held.

What day this week works for your team to discuss the meeting format and agenda?

Thank you,
Jasmine

From: Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Sent: Monday, August 2, 2021 1:39 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: RE: Request for meeting

Hi Jasmine –

Thanks so much for confirming that Wednesday, August 11th at 4:30 pm works on your end. I am happy to send around the calendar invitation with a zoom link. Could you please provide the names, email addresses, and organizations of all attendees?

Thanks!
Ashley

Ashley M. Morgan
Deputy Director of Scheduling and Advance
U.S. Environmental Protection Agency
Cell: (202) 909-9983

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 11:30 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Rosemary,

Thank you! We will circulate a calendar invitation to the network so that they can get this call on their calendars. Two questions before I circulate the invitation: (1) Would you like us to send the invitation to anyone on your team? If so, can you please share their names and email addresses? (2) Could we use our regular Zoom link or would you like to send a secure Zoom link?

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, July 30, 2021 2:09 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi there,

Thanks so much for bearing with me on this. We are currently holding Wednesday, August 11th from 4:30pm – 5:15pm for this meeting. Looping in Ashley Morgan from our scheduling team to lock this in if it works for you all. Let's plan to hop on the phone next week to discuss meeting agenda and format.

Thanks again,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, July 30, 2021 9:41 AM
To: Laura Bentzen <lbentzen@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope that your week hasn't been too hectic. Bumping Laura's email from last week up in your inbox.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 21, 2021 2:42 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: RE: Request for meeting

Hi Rosemary,

Just checking in to see if you might have an update for us. Do you still think July is a possibility or is August more realistic? I do think mid-to-late August might be best for the network since members have requested as much lead time as possible to maximize their attendance. When you are able to share times, if there is any possibility that you could provide us with two weeks' notice, we'd greatly appreciate it.

Best,
Laura

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 12:52 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Thank you!

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, July 14, 2021 12:49 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I think we can make late July or early August work. I'll circle back this with times.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 11:38 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope your week is going well. Checking in to see if you think Administrator Regan is most likely to be free for this meeting in late July or August? Please let us know if you need anything else from us at this time.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 7, 2021 12:16 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Rosemary,

I hope you are having a good week. As was discussed last month with Mike Brune and Jasmine Harrison, we'd love to set up a meeting with Administrator Regan and the new network. Do you think July is a possibility, or would August be preferred? Please let us know what is realistic when you can.

Many thanks,
Laura Bentzen

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 30, 2021 3:28 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

Bumping this up in your inbox!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, June 15, 2021 10:10 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary.

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Tuesday, June 15, 2021 7:23 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

I'll circle back today with a few times for next month.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 9, 2021 9:42 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary!

Please let us know if it is helpful for us to offer up some times as well. We would appreciate the opportunity to meet with Administrator Regan at the end of this month or beginning of next, but understand he has a busy schedule.

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, June 2, 2021 9:28 AM
To: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I don't know how this email got lost in my inbox but glad it popped up this morning. Thanks for sending this over Michael.

Hello Laura and Jasmine, I'd be happy to find some time for on the Administrator's calendar for this conversation. I'll circle back with you on timing for this conversation.

Thanks,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Michael Brune <michael.brune@sierraclub.org>
Sent: Thursday, May 20, 2021 3:05 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <Lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: Request for meeting

Rosemary,

I hope you're well. Per our conversation, we'd like to set up a conversation with Administrator Regan and the CEO's from the new environmental leadership network I mentioned to the Administrator on our last call. Below is more information about that network and an invitation and request to meet. I'm also copying Jasmine Harrison and Laura Bentzen, who helped to create this network and are staffing it currently. Thx for all your help!

Mike

Administrator Regan,

Thank you for your service.

We are leaders of a new, national environmental leadership network (not yet named) has launched to effectively break down silos and build power across the environmental movement in new and exciting ways. We are about 70 CEO's of national environmental organizations; environmental justice groups; tribal, youth, civil rights, economic justice, conservative, health and faith-based organizations; unions, state-based groups, and more, As a starting point, we aim to:

1. Create fair and equitable spaces and opportunities for engagement among leaders in order to strengthen existing relationships and build new ones;
2. Create equity of power and increase access to resources for frontline communities so that equity guides all network efforts for the sake of the broader society;
3. Create synergy and connective infrastructure among existing networks and participating organizations; and
4. Incubate, support, strengthen and organize campaigns that leverage the support and power of millions of Americans and direct it toward concrete, achievable goals.

We are incredibly grateful for your willingness to fill such a pivotal role within the new administration and champion the work that matters so much to our collective future. And to help us better understand your priorities as well as how we individually and collectively can be effective partners in advancing those priorities, we would like to invite you to join us for a virtual meeting, ideally for 45-60 minutes.

On behalf of ourselves and our membership, we thank you for your unfailing leadership and perseverance in these incredibly important fights. There is so much to do, and the first step is finding genuine and authentic ways to work together. We look forward to engaging with you and your team very soon.

Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap

Michael Brune
Executive Director
michael.brune@sierraclub.org
415-977-5662
pronouns: he, him, his
Subscribe to my blog and
on Facebook and Twitter

New Network Meeting with Administrator Regan
Agenda + Facilitators + Speakers + Script | 8.11.21 | 4:30-5:15 pm ET | Zoom

A. DRAFT AGENDA

1. Welcome + Introductions (10 min)
2. Remarks from Administrator Regan and Q&A (30 min)
3. Closing Remarks + Adjournment (5 min)

B. NETWORK FACILITATORS

1. Nse Obot Witherspoon, Children's Environmental Health Network, and Member of New Network Steering Committee
2. Rev. Susan Hendershot, Interfaith Power & Light, and Member of New Network Steering Committee

Commented [1]: Attach PDF of bio

Commented [2]: Attach PDF of bio

C. SPEAKERS

1. Michael Regan, Administrator, EPA
2. Rosemary Enobakhare, Associate Administrator, Office of Public Engagement and Environmental Education, EPA
3. TBD
4. TBD
5. TBD

Commented [3]: Attach PDF of (3) bios

D. DRAFT SCRIPT FOR FACILITATORS AND SPEAKERS

NOTES:
- EPA to host Zoom call and Max to handle any tech issues.
- Jasmine to capture notes during Q&A.
- Prompts for facilitators and speakers are in red text.
- Yellow highlighting indicates areas where script content is still needed.

4:30-4:40 PM ET **WELCOME + INTRODUCTIONS | 10 MINUTES**
Speaker: Rosemary Enobakhare, Office of Public Engagement and Environmental Education, EPA
Facilitator: Nse Obot Witherspoon, Children's Environmental Health Network

Rosemary talking points

- Hello everyone and welcome to today's call with EPA Administrator Michael Regan. I'm Rosemary Enobakhare, Associate Administrator for EPA's Office of Public Engagement and Environmental Education, and on behalf of Mr. Regan and his team, we'd like to thank you for the invitation to speak with the New Network today about several of EPA's current priorities and initiatives.

Commented [4]: Rosemary, feel free to make any changes to your opening remarks.

Nse talking points

- Thank you, Rosemary, and good afternoon, Administrator Regan, EPA team staff, and all New Network members joining today's call. My name is Nse Obot Witherspoon, and I'm the

Commented [5]: Nse, feel free to many any changes you see fit.

ED_006247N_00001464-00001

Executive Director of the Children's Environmental Health Network. I am honored to co-facilitate today's call along with my Steering Committee counterpart, Rev. Susan Hendershot, who is the President of Interfaith Power & Light, and on behalf of the New Network and the newly-formed Steering Committee, I'd like to formally welcome Administrator Regan and members of his team and express our sincere gratitude for your time with us today.

- As our network is rather large, we will not be asking all of our members who are on the call to verbally introduce themselves today, but they are welcome to do so using the chat. Mr. Regan, our Network is a relatively new establishment, and one that we hope will be diverse, inclusive, equitable and just in everything that we do together.
- We are a rather broad and diverse network with more than 70 member organizations spanning nine sectors, specifically state-based, Tribal, youth, conservative, faith, environmental justice, ~~national~~, health, and national.
- Before I turn it over to you, Mr. Regan, I'd like to thank you again for taking the time to speak with us today. We are looking forward to hearing about the (1) new executive order on car rules and heavy duty trucks, (2) enforcement of EPA rules and the Justice40 work the Agency is involved with, and (3) how a network of our size and diversity can be of help to the EPA in the days ahead. Thank you.

[Next up: Admin Regan to say hello and provide some remarks about the Agency's priorities as well as the three topic areas referenced by Nse.]

4:40-5:10 PM ET **REMARKS FROM ADMINISTRATOR REGAN AND Q&A | 30 MINUTES**
Facilitators: Nse Obot Witherspoon, Children's Environmental Health Network; Rev. Susan Hendershot, Interfaith Power & Light
Speakers: Michael Regan, EPA Administrator; TBD; TBD; and TBD

PART ONE: REMARKS FROM ADMINISTRATOR REGAN (10-15 min total)

Admin Regan talking points (5-10 min)

- *[EPA to insert Admin Regan's remarks.]*

Nse talking points (1 min)

- Thank you, Mr. Regan for sharing this information with us just now. As a network, we are constantly working to ensure that current and future generations live in a world with clean air, clean water, clean energy, healthy and economically viable communities, quality jobs, a stable climate, and thriving ecosystems. We strive to create equity of power and increase access to resources for frontline communities so that equity guides all Network efforts for the sake of the broader society. And we also have a commitment to building trust and relationships through the acknowledgement of past harms and purposeful reconciliation and healing.
- Clearly our ambitions are high as is the potential for real and meaningful change, and one of the reasons why we invited you here today is to hear from you how a network as broad and diverse as ours can help EPA tackle some of its most pressing priorities and needs.

New Network Meeting with Administrator Regan
Agenda + Facilitators + Speakers + Script | 8.11.21 | 4:30-5:15 pm ET | Zoom

- Before we open it up for questions, I'd like to ask a few of our members to briefly say a few words in response to your remarks. I'd like to ask *[Insert speaker 1 name and org]*, *[Insert speaker 2 name and org]*, and *[Insert speaker 3 name and org]* to go ahead at this time.

[Speaker 1 TPs] - ***1 minute: TBD***

[Speaker 2 TPs] - ***1 minute: TBD***

[Speaker 3 TPs] - ***1 minute: TBD***

[Susan: After Speaker 3 is finished, please move to facilitate Q&A.]

Susan** talking points **(1 min)

Commented [6]: Susan, feel free to make any changes you see fit.

- Thank you, *[insert names of Speakers 1, 2, and 3.]* As Nse mentioned at the beginning of the call, my name is Rev. Susan Hendershot, and I am the President of Interfaith Power & Light. IPL's mission is to inspire and mobilize people of faith and conscience to take bold and just action on climate change. Thank you again, Mr. Regan, for making space on today's call for some Q&A.
- At this time, I'd like to invite questions from our members for Mr. Regan. Please add your name to the chat, and I will call on you in the order received. I will try to reserve time at the end for a question or two by phone, so if you're calling in via phone, please have your question ready.
- For those questions we are unable to get to, please email them to Laura and Jasmine who will work with Mr. Regan's team offline to get you the answers.

PART TWO: Q&A (10-15 min total)
[Susan: Please view the chat box to call on individuals, leaving time at the end of Q&A for 1-2 phone call questions, if needed. Mr. Regan will answer each question asked. At 5:10 pm, please move onto closing remarks.]

5:10-5:15 PM ET **CLOSING REMARKS AND ADJOURNMENT**
Facilitator: Rev. Susan Hendershot, Interfaith Power & Light

***Susan** talking points*

- Thank you, Mr. Regan, Rosemary, and the rest of your team for taking the time to meet with the New Network today. We are greatly appreciative and deeply proud of the work that all of you and your EPA colleagues are doing every day.
- Please consider this Network to be an ally, and we look forward to continuing to work together on these incredibly important priorities and challenges in the days ahead.
- I'd also like to thank my co-facilitator, Nse, and all of our speakers for their engagement today as well.
- Take care, everyone.

ED_006247N_00001464-00003

Message

From: Curtis, Kevin [kcurtis@nrdc.org]
Sent: 8/7/2021 6:43:18 PM
To: Bowman, John [Jbowman@nrdc.org]
CC: Kieve, David K. EOP/CEQ [David.K.Kieve@ceq.eop.gov]; Brown, Austin L. EOP/CEQ [Austin.L.Brown@ceq.eop.gov]; Nealer, Rachael A. EOP/CEQ [Rachael.A.Nealer@ceq.eop.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]
Subject: Re: Connecting you all

Thanks David. And hello folks on a rainy DC Saturday afternoon

John and I have connected w Simon Mui and Roland Hwang and they would appreciate the opportunity to connect this afternoon w the appropriate and available folks to dig into the details a bit more.

Whom would you like us to connect Simon and Roland with?

Onwards we go.

Thanks

Kevin

> On Aug 7, 2021, at 1:40 PM, Bowman, John <Jbowman@nrdc.org> wrote:
>
> Thanks David. We are trying to raise our colleagues today. Not much success so far.
>
> -----Original Message-----
> From: Kieve, David K. EOP/CEQ <David.K.Kieve@ceq.eop.gov>
> Sent: Saturday, August 7, 2021 1:14 PM
> To: Curtis, Kevin <kcurtis@nrdc.org>; Bowman, John <Jbowman@nrdc.org>
> Cc: Brown, Austin L. EOP/CEQ <Austin.L.Brown@ceq.eop.gov>; Nealer, Rachael A. EOP/CEQ <Rachael.A.Nealer@ceq.eop.gov>; Rosemary Enobakhare <Enobakhare.Rosemary@epa.gov>; Alejandra Nunez <Nunez.Alejandra@epa.gov>
> Subject: Connecting you all
>
> Kevin and John,
>
> Connecting you here with four wonderful colleagues, as follows: Rosemary and Ale at EPA. Rosemary is my engagement counterpart and Ale helped drive the train on the rule making process and is as well equipped as anyone to answer technical questions about the new regs.
>
> I’ve also copied Austin and Rachael, the Senior Director and Deputy Director for Transportation Emissions at the White House.
>
> Some combination of Ale, Austin and Rachael are ready and willing to discuss questions or concerns about what our new clean cars regs do and don’t do.
>
> I’ll be on a flight, but please feel free to reach out directly or to add others from your end as necessary and appropriate. We want you all to know why we’re so proud of the big steps forward we are taking.
>
> Best,
>
> David
>
> Sent from my iPhone

Message

From: Kieve, David K. EOP/CEQ [David.K.Kieve@ceq.eop.gov]
Sent: 8/7/2021 8:07:17 PM
To: Bowman, John [Jbowman@nrdc.org]
CC: Curtis, Kevin [kcurtis@nrdc.org]; Brown, Austin L. EOP/CEQ [Austin.L.Brown@ceq.eop.gov]; Nealer, Rachael A. EOP/CEQ [Rachael.A.Nealer@ceq.eop.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]
Subject: Re: [EXTERNAL] RE: Connecting you all

Thanks John. We appreciate it.

Sent from my iPhone

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> From: Kieve, David K. EOP/CEQ <David.K.Kieve@ceq.eop.gov>
> Sent: Saturday, August 7, 2021 1:14 PM
> To: Curtis, Kevin <kcurtis@nrdc.org>; Bowman, John <Jbowman@nrdc.org>
> Cc: Brown, Austin L. EOP/CEQ <Austin.L.Brown@ceq.eop.gov>; Nealer, Rachael A. EOP/CEQ <Rachael.A.Nealer@ceq.eop.gov>; Rosemary Enobakhare <Enobakhare.Rosemary@epa.gov>; Alejandra Nunez <Nunez.Alejandra@epa.gov>
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>
> Best,
>
> David
>
> Sent from my iPhone

Message

From: Kieve, David K. EOP/CEQ [David.K.Kieve@ceq.eop.gov]
Sent: 8/7/2021 9:55:42 PM
To: Curtis, Kevin [kcurtis@nrdc.org]
CC: Bowman, John [Jbowman@nrdc.org]; Brown, Austin L. EOP/CEQ [Austin.L.Brown@ceq.eop.gov]; Nealer, Rachael A. EOP/CEQ [Rachael.A.Nealer@ceq.eop.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Nunez, Alejandra [Nunez.Alejandra@epa.gov]
Subject: Re: [EXTERNAL] Re: Connecting you all

I don't speak for our epa colleagues, but both Austin and Rachael are available this evening for a call if that works for Simon and Roland and you all.

Sent from my iPhone

> On Aug 7, 2021, at 1:43 PM, Curtis, Kevin <kcurtis@nrdc.org> wrote:
>
> Thanks David. And hello folks on a rainy DC Saturday afternoon
>
> John and I have connected w Simon Mui and Roland Hwang and they would appreciate the opportunity to connect this afternoon w the appropriate and available folks to dig into the details a bit more.
>
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> Kevin
>
>> On Aug 7, 2021, at 1:40 PM, Bowman, John <Jbowman@nrdc.org> wrote:
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>>
>> -----Original Message-----
>> From: Kieve, David K. EOP/CEQ <David.K.Kieve@ceq.eop.gov>
>> Sent: Saturday, August 7, 2021 1:14 PM
>> To: Curtis, Kevin <kcurtis@nrdc.org>; Bowman, John <Jbowman@nrdc.org>
>> Cc: Brown, Austin L. EOP/CEQ <Austin.L.Brown@ceq.eop.gov>; Nealer, Rachael A. EOP/CEQ <Rachael.A.Nealer@ceq.eop.gov>; Rosemary Enobakhare <Enobakhare.Rosemary@epa.gov>; Alejandra Nunez <Nunez.Alejandra@epa.gov>
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>> Best,
>>
>> David
>>
>> Sent from my iPhone

Message

From: Kerry Wilson [kwilson@salesforce.com]
Sent: 8/9/2021 5:31:03 PM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
Subject: Re: FW: Request for Meeting
Attachments: ATT00001.txt

Hi Rosemary,

I hope you had a great weekend. I wanted to follow up from last week and see if you have time to connect this week. Thanks!

Regards,

Kerry Wilson
Strategic Account Executive
Salesforce Federal Civilian
Cell: 571-471-7484
Email: kwilson@salesforce.com

.

On Fri, Aug 6, 2021 at 12:22 PM Kerry Wilson <kwilson@salesforce.com> wrote:
Are you still good for 1pm today? Would you like me to send an invite out?

Regards,

Kerry Wilson
Strategic Account Executive
Salesforce Federal Civilian
Cell: 571-471-7484
Email: kwilson@salesforce.com

.

On Fri, Aug 6, 2021 at 9:30 AM Kerry Wilson <kwilson@salesforce.com> wrote:
Hi Rosemary,

Yes I am free to chat with you at 1pm today. Please let me know what is the best way to reach out. Thanks!

Regards,

Kerry Wilson
Strategic Account Executive
Salesforce Federal Civilian
Cell: 571-471-7484
Email: kwilson@salesforce.com

On Fri, Aug 6, 2021 at 9:29 AM Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov> wrote:

Hey Kerry,

Janet unfortunately isn't able to accommodate this meeting but I would be happy to chat with you. Are you available today to hop on the phone today at 1pm for a conversation?

From: Kerry Wilson <kwilson@salesforce.com>
Sent: Friday, August 6, 2021 8:56 AM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Subject: Re: FW: Request for Meeting

Hi Rosemary,

Happy Friday! Please let me know if you can share some times that work for Janet's schedule in the coming weeks. Thanks!

Regards,

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

On Tue, Aug 3, 2021 at 9:26 AM Kerry Wilson <kwilson@salesforce.com> wrote:

Hi Rosemary,

Following up on the email last week to find a time that works for Janet's schedule. Can you please let me know some dates that work best. Thanks!

Regards,

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

On Thu, Jul 29, 2021 at 3:03 PM Kerry Wilson <kwilson@salesforce.com> wrote:

Hi Rosemary,

I hope all is well, if you can let me know if the dates I had provided work for a meet with Janet next week or if you can provide a couple of dates that work for her, I will work with my team's schedule. Thanks!

Regards,

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

On Wed, Jul 28, 2021 at 12:00 PM Atkinson, Emily <Atkinson.Emily@epa.gov> wrote:

Hi Kerry,

Adding in my colleague Rosemary Enobakhare who will be in touch re: an Agency meeting.

Emily

From: Kerry Wilson <kwilson@salesforce.com>
Sent: Tuesday, July 27, 2021 11:38 AM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Drinkard, Andrea <Drinkard.Andrea@epa.gov>
Subject: Re: FW: Request for Meeting

Hi Emily,

I just left you a VM. I wanted to see if we can nail down the date for the meeting with Janet? If the times I provided do not work, please provide me with some additional dates and I will work with my team to lock it down. Looking forward to hearing back from you!

Regards,

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

On Thu, Jul 22, 2021 at 1:11 PM Kerry Wilson <kwilson@salesforce.com> wrote:

Hi Emily

Do any of these dates work for Janet:

August 3rd 4-5pm

August 4th 4-5pm

August 5th 1-3pm

On Mon, Jul 19, 2021 at 10:53 AM Kerry Wilson <kwilson@salesforce.com> wrote:

Hi Emily and Andrea,

I hope you had a great weekend! Sorry for the delay in sending this back. My team is very interested in this meeting which is what caused some delay on my side. Please see the attached form below. If you

can share with me some dates and times that work in the coming weeks that would be great so I can work with my team's schedule. Please let me know if you have any questions looking forward to hearing from you soon!

Regards,

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

On Fri, Jul 9, 2021 at 5:00 PM Atkinson, Emily <Atkinson.Emily@epa.gov> wrote:

> Hi Kerry,
>
> Please fill out our meeting request form and we can then take a look at scheduling options.
>
> Thank you.
>
> Emily

Emily Atkinson

Special Assistant

Office of the Deputy Administrator

U.S. Environmental Protection Agency

Cell: 202-805-1220

From: McCabe, Janet <McCabe.Janet@epa.gov>
Sent: Thursday, July 08, 2021 9:28 PM
To: Kerry Wilson <kwilson@salesforce.com>; Atkinson, Emily <Atkinson.Emily@epa.gov>; Drinkard, Andrea <Drinkard.Andrea@epa.gov>
Subject: RE: Request for Meeting

Hi Kerry—thanks for the note, and I am copying Emily and Andrea, who can work with you on this.

Janet

From: Kerry Wilson <kwilson@salesforce.com>
Sent: Thursday, July 8, 2021 9:24 AM
To: McCabe, Janet <McCabe.Janet@epa.gov>
Subject: Request for Meeting

Hi Janet,

I would like to request a meeting with you to discuss the partnership between EPA and Salesforce. My Executive VP, Suzanne DiBianna was part of the roundtable event last month with you and Administrator Regan. We are very passionate about EPA and all that your administration is doing and would love to meet to discuss a public-private partnership. We have been working with Ed Messina in OCSPP with their digital strategy to reduce the manual processes and allowed scientists to focus on their work and we would love to work with your administration around Environmental Justice and Sustainablity efforts. Please let me know who I can work with to best find time on your calendar. Thank you!

Regards,

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

--

Kerry Wilson
Strategic Account Manager
571-471-7484

Message

From: Jasmine Harrison [jharrison@partnershipproject.org]
Sent: 8/9/2021 8:42:05 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Laura Bentzen [lbentzen@partnershipproject.org]
CC: Michael Brune, Sierra Club [michael.brune@sierraclub.org]
Subject: Re: Request for meeting
Attachments: 8.11.21 Regan Mtg_Agenda + Script (1).docx; 8.11.21 Network Meeting Attendees.docx; 8.11.21 Network Meeting Co-facilitator & Guest Bios.docx

Good afternoon,

I hope that you all had a nice weekend. Below are our final materials for the meeting on Wednesday. Please let me know if you have any questions or concerns.

1. 8.11.21 Meeting Agenda + Script: Final version is attached with additional remarks and speaker names.
2. Attendee List: All of our members who have indicated that they would attend the meeting on Wednesday, as of today.
3. Speaker bios & photos: Our Steering Committee and member speaker bios and photos.

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, August 6, 2021 12:13 PM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

We hope that you all have something restful to look forward to this weekend. We wanted to share some updates around our outstanding action items below.

1. 8.11.21 Meeting Agenda + Script: A first cut at a draft agenda and script is attached.
    a. Currently being reviewed and edited by the two members of our Steering Committee who have volunteered to co-facilitate on 8/11
    b. Currently confirming our three speakers to give remarks before the Q&A and adding in their draft remarks for your review
2. Attendee List: We are still collecting RSVPs and will send you the list of expected attendees by EOD on Monday, August 9th.
3. Speaker bios & photos: We are still working to confirm our speakers and we will send you bios and photos for them and our facilitators by EOD on Monday, August 9th.

Please let us know if you have any questions or concerns.

Have a nice weekend!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, August 3, 2021 11:56 AM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Max! We will speak with you tomorrow.

Best,
Jasmine

From: Levy, Maxwell <Levy.Maxwell@epa.gov>
Sent: Tuesday, August 3, 2021 11:55 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

That's great to hear! I'll send around a calendar invite shortly with a Teams link and dial-in, feel free to forward that along to anyone else who should join.

Thanks,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, August 3, 2021 11:50 AM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Max,

Thank you for getting back to us so quickly. We're looking forward to it as well. Let's go with tomorrow, August 4th, at 1 pm ET. Would you like to supply a conference number or would you prefer for us to send one?

Best,
Jasmine

From: Levy, Maxwell <Levy.Maxwell@epa.gov>
Sent: Tuesday, August 3, 2021 11:38 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Jasmine, we're excited to talk through this event in more detail! Would you be available at 3:30pm ET today, or 1pm or 4:30pm tomorrow? If not, let us know some other times that could work in the next couple days and we can try and find some time that works.

Thanks,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 2:24 PM
To: Morgan, Ashley <Morgan.Ashley.M@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: Re: Request for meeting

Hi Ashley,

Please see the attached. Our network is not public-facing, so I ask that you please keep this list of members very closely held.

What day this week works for your team to discuss the meeting format and agenda?

Thank you,
Jasmine

From: Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Sent: Monday, August 2, 2021 1:39 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: RE: Request for meeting

Hi Jasmine –

Thanks so much for confirming that Wednesday, August 11th at 4:30 pm works on your end. I am happy to send around the calendar invitation with a zoom link. Could you please provide the names, email addresses, and organizations of all attendees?

Thanks!
Ashley

Ashley M. Morgan
Deputy Director of Scheduling and Advance
U.S. Environmental Protection Agency
Cell: (202) 909-9983

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 11:30 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Rosemary,

Thank you! We will circulate a calendar invitation to the network so that they can get this call on their calendars. Two questions before I circulate the invitation: (1) Would you like us to send the invitation to anyone on your team? If so, can you please share their names and email addresses? (2) Could we use our regular Zoom link or would you like to send a secure Zoom link?

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, July 30, 2021 2:09 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi there,

Thanks so much for bearing with me on this. We are currently holding Wednesday, August 11th from 4:30pm – 5:15pm for this meeting. Looping in Ashley Morgan from our scheduling team to lock this in if it works for you all. Let's plan to hop on the phone next week to discuss meeting agenda and format.

Thanks again,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, July 30, 2021 9:41 AM
To: Laura Bentzen <lbentzen@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope that your week hasn't been too hectic. Bumping Laura's email from last week up in your inbox.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 21, 2021 2:42 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: RE: Request for meeting

Hi Rosemary,

Just checking in to see if you might have an update for us. Do you still think July is a possibility or is August more realistic? I do think mid-to-late August might be best for the network since members have requested as much lead time as possible to maximize their attendance. When you are able to share times, if there is any possibility that you could provide us with two weeks' notice, we'd greatly appreciate it.

Best,
Laura

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 12:52 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Thank you!

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, July 14, 2021 12:49 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I think we can make late July or early August work. I'll circle back this with times.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 11:38 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope your week is going well. Checking in to see if you think Administrator Regan is most likely to be free for this meeting in late July or August? Please let us know if you need anything else from us at this time.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 7, 2021 12:16 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Rosemary,

I hope you are having a good week. As was discussed last month with Mike Brune and Jasmine Harrison, we'd love to set up a meeting with Administrator Regan and the new network. Do you think July is a possibility, or would August be preferred? Please let us know what is realistic when you can.

Many thanks,
Laura Bentzen

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 30, 2021 3:28 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

Bumping this up in your inbox!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, June 15, 2021 10:10 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary.

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Tuesday, June 15, 2021 7:23 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

I'll circle back today with a few times for next month.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 9, 2021 9:42 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary!

Please let us know if it is helpful for us to offer up some times as well. We would appreciate the opportunity to meet with Administrator Regan at the end of this month or beginning of next, but understand he has a busy schedule.

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, June 2, 2021 9:28 AM
To: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I don't know how this email got lost in my inbox but glad it popped up this morning. Thanks for sending this over Michael.

Hello Laura and Jasmine, I'd be happy to find some time for on the Administrator's calendar for this conversation. I'll circle back with you on timing for this conversation.

Thanks,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Michael Brune <michael.brune@sierraclub.org>
Sent: Thursday, May 20, 2021 3:05 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <Lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: Request for meeting

Rosemary,

I hope you're well. Per our conversation, we'd like to set up a conversation with Administrator Regan and the CEO's from the new environmental leadership network I mentioned to the Administrator on our last call. Below is more information about that network and an invitation and request to meet. I'm also copying Jasmine Harrison and Laura Bentzen, who helped to create this network and are staffing it currently. Thx for all your help!

Mike

Administrator Regan,

Thank you for your service.

We are leaders of a new, national environmental leadership network (not yet named) has launched to effectively break down silos and build power across the environmental movement in new and exciting ways. We are about 70 CEO's of national environmental organizations; environmental justice groups; tribal, youth, civil rights, economic justice, conservative, health and faith-based organizations; unions, state-based groups, and more, As a starting point, we aim to:

1. Create fair and equitable spaces and opportunities for engagement among leaders in order to strengthen existing relationships and build new ones;
2. Create equity of power and increase access to resources for frontline communities so that equity guides all network efforts for the sake of the broader society;
3. Create synergy and connective infrastructure among existing networks and participating organizations; and
4. Incubate, support, strengthen and organize campaigns that leverage the support and power of millions of Americans and direct it toward concrete, achievable goals.

We are incredibly grateful for your willingness to fill such a pivotal role within the new administration and champion the work that matters so much to our collective future. And to help us better understand your priorities as well as how we individually and collectively can be effective partners in advancing those priorities, we would like to invite you to join us for a virtual meeting, ideally for 45-60 minutes.

On behalf of ourselves and our membership, we thank you for your unfailing leadership and perseverance in these incredibly important fights. There is so much to do, and the first step is finding genuine and authentic ways to work together. We look forward to engaging with you and your team very soon.

Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap

Michael Brune
Executive Director
michael.brune@sierraclub.org
415-977-5662
pronouns: he, him, his
Subscribe to my blog and
on Facebook and Twitter

New Network Meeting with Administrator Regan
Agenda + Facilitators + Speakers + Script | 8.11.21 | 4:30-5:15 pm ET | Zoom

A. DRAFT AGENDA

1. Welcome + Introductions (10 min)
2. Remarks from Administrator Regan and Q&A (30 min)
3. Closing Remarks + Adjournment (5 min)

B. NETWORK FACILITATORS

1. Nse Obot Witherspoon, Children's Environmental Health Network, and Member of New Network Steering Committee
2. Rev. Susan Hendershot, Interfaith Power & Light, and Member of New Network Steering Committee

C. SPEAKERS

1. Michael Regan, Administrator, EPA
2. Rosemary Enobakhare, Associate Administrator, Office of Public Engagement and Environmental Education, EPA
3. Rev. Dr. Ambrose Carroll, Sr., Founder & CEO, Green the Church
4. Peggy Shepard, Co-Founder and Executive Director, WE ACT for Environmental Justice
5. Mindy Lubber, President & CEO, Ceres

D. DRAFT SCRIPT FOR FACILITATORS AND SPEAKERS

NOTES:
- EPA to host Zoom call and Max to handle any tech issues.
- Jasmine to capture notes during Q&A.
- Prompts for facilitators and speakers are in red text.
- Yellow highlighting indicates areas where script content is still needed.

4:30-4:40 PM ET **WELCOME + INTRODUCTIONS | 10 MINUTES**
Speaker: Rosemary Enobakhare, Office of Public Engagement and Environmental Education, EPA
Facilitator: Nse Obot Witherspoon, Children's Environmental Health Network

Rosemary talking points

- Hello everyone and welcome to today's call with EPA Administrator Michael Regan. I'm Rosemary Enobakhare, Associate Administrator for EPA's Office of Public Engagement and Environmental Education, and on behalf of Mr. Regan and his team, we'd like to thank you for the invitation to speak with the New Network today about several of EPA's current priorities and initiatives.

Commented [1]: Rosemary, feel free to make any changes to your opening remarks.

Nse talking points

- Thank you, Rosemary, and good afternoon, Administrator Regan, EPA team staff, and all New Network members joining today's call. My name is Nse Obot Witherspoon, and I'm the

ED_006247N_00001502-00001

Executive Director of the Children's Environmental Health Network. I am honored to co-facilitate today's call along with my Steering Committee counterpart, Rev. Susan Hendershot, who is the President of Interfaith Power & Light, and on behalf of the New Network and the newly-formed Steering Committee, I'd like to formally welcome Administrator Regan and members of his team and express our sincere gratitude for your time with us today.

- As our network is rather large, we will not be asking all of our members who are on the call to verbally introduce themselves today, but they are welcome to do so using the chat. Mr. Regan, our Network is a relatively new establishment, and one that we hope will be diverse, inclusive, equitable and just in everything that we do together.
- We are a rather broad and diverse network with more than 70 member organizations spanning nine sectors, specifically state-based, Tribal, youth, conservative, faith, environmental justice, labor, health, and national.
- Before I turn it over to you, Mr. Regan, I'd like to thank you again for taking the time to speak with us today. We are looking forward to hearing about the (1) new executive order on car rules and heavy duty trucks, (2) enforcement of EPA rules and the Justice40 work the Agency is involved with, and (3) how a network of our size and diversity can be of help to the EPA in the days ahead. Thank you.

[Next up: Admin Regan to say hello and provide some remarks about the Agency's priorities as well as the three topic areas referenced by Nse.]

4:40-5:10 PM ET **REMARKS FROM ADMINISTRATOR REGAN AND Q&A | 30 MINUTES**
Facilitators: Nse Obot Witherspoon, Children's Environmental Health Network; Rev. Susan Hendershot, Interfaith Power & Light
Speakers: Michael Regan, EPA Administrator; Rev. Dr. Ambrose Carroll, Sr., Green the Church; Peggy Shepard, WE ACT for Environmental Justice; Mindy Lubber, Ceres

PART ONE: REMARKS FROM ADMINISTRATOR REGAN (10-15 min total)
Admin Regan talking points (5-10 min)

- *[EPA to insert Admin Regan's remarks.]*

Nse talking points (1 min)

- Thank you, Mr. Regan for sharing this information with us just now. As a network, we are constantly working to ensure that current and future generations live in a world with clean air, clean water, clean energy, healthy and economically viable communities, quality jobs, a stable climate, and thriving ecosystems. We strive to create equity of power and increase access to resources for frontline communities so that equity guides all Network efforts for the sake of the broader society. And we also have a commitment to building trust and relationships through the acknowledgement of past harms and purposeful reconciliation and healing.

New Network Meeting with Administrator Regan
Agenda + Facilitators + Speakers + Script | 8.11.21 | 4:30-5:15 pm ET | Zoom

- Clearly our ambitions are high as is the potential for real and meaningful change, and one of the reasons why we invited you here today is to hear from you how a network as broad and diverse as ours can help EPA tackle some of its most pressing priorities and needs.
- Before we open it up for questions, I'd like to ask a few of our members to briefly say a few words in response to your remarks. I'd like to ask Ambrose Carroll of Green the Church, Mindy Lubber of Ceres, and Peggy Shepard of WE ACT for Environmental Justice to go ahead at this time.

Ambrose Carroll *talking points on how a network the size and diversity of ours can be of help to the EPA in the days ahead* ***(1 minute)****:*

- Thank you, Administrator Regan. I am Rev. Dr. Ambrose Carroll, Sr., Senior Pastor of The Church by The Road in Berkeley, CA and founder of Green The Church, a nationwide initiative which engages Black Church congregations of all denominations in the fight for ecological justice.
- For over 200 years, Black churches have been on the front lines of the most important social movements in the US and have been centers of resilience; meeting people's needs. But we have been largely unsuccessful in influencing the Federal government to ensure laws protecting human health and the environment are administered and enforced fairly and effectively.
- Our current work helps galvanize local communities and leaders, addressing issues specific to populations historically disengaged from conversations around pollution and health, climate change, and sustainability and energy efficiency.
- We are committed to mobilizing our communities around a unified message supporting the Biden Harris Administration's climate and environmental priorities. And collaborating with The Partnership Project network allows a large group of diverse organizations—including those representing communities most gravely affected by environmental degradation—to work toward these common goals.

Mindy Lubber *talking points on car rules and heavy-duty trucks* ***(1 minute)***

- Administrator Regan, thank you for taking the time to speak with us today.
- We're going to continue to bring the progressive business and investor community to support you just as we did in April when we brought together 411 businesses and investors with a footprint in the U.S. to [HYPERLINK "https://www.wemeanbusinesscoalition.org/ambitious-u-s-2030-ndc/" \h] to President Biden indicating their support for the Biden administration's commitment to climate action, and for setting a federal climate target to reduce emissions.
- We've also recently brought over 300 businesses and investors to the Hill to make the case for an infrastructure package that will put the U.S. on the path to net-zero emissions, invest in sustainable infrastructure, create good-paying jobs, and deliver justice to communities most harmed by climate pollution.
- Ceres will continue to build support for CAFE standards through our Corporate Electric Vehicle Alliance and our policy network which represent more than 80 companies with a combined $1.3 trillion in annual revenue, and are calling on the Administration to set strong emissions and fuel economy standards for passenger vehicles.

New Network Meeting with Administrator Regan
Agenda + Facilitators + Speakers + Script | 8.11.21 | 4:30-5:15 pm ET | Zoom

- On methane, we helped convene 147 oil and gas industry investors representing $5.35 trillion in assets under management to [HYPERLINK "https://www.ceres.org/sites/default/files/1%20Federal%20Methane%20Regulations%20Investor%20Statement_04.01.21%20(1)%20(1).pdf" \h] calling for comprehensive regulations to curb dangerous GHG emissions — and more stringent enforcement mechanisms to back them up.
- We are supportive of your work and will continue to bring new messages and messengers from the private sector to support the Administration.
- Thank you.

Peggy Shepard *talking points on enforcement of EPA Rules & Justice40* ***(1 minute)***

- We need to ensure that agencies, like EPA, work closely with environmental justice advocates to ensure that states and localities get Justice40 monies to frontline communities. This is the theme that we will update.

[Susan: After Speaker 3 is finished, please move to facilitate Q&A.]

Susan *talking points* ***(1 min)***

- Thank you, Ambrose, Mindy, and Peggy. As Nse mentioned at the beginning of the call, my name is Rev. Susan Hendershot, and I am the President of Interfaith Power & Light. IPL's mission is to inspire and mobilize people of faith and conscience to take bold and just action on climate change. Thank you again, Mr. Regan, for making space on today's call for some Q&A.
- At this time, I'd like to invite questions from our members for Mr. Regan. Please add your name to the chat, and I will call on you in the order received. I will try to reserve time at the end for a question or two by phone, so if you're calling in via phone, please have your question ready.
- For those questions we are unable to get to, please email them to Laura and Jasmine who will work with Mr. Regan's team offline to get you the answers.

PART TWO: Q&A (10-15 min total)

[Susan: Please view the chat box to call on individuals, leaving time at the end of Q&A for 1-2 phone call questions, if needed. Mr. Regan will answer each question asked. At 5:10 pm, please move onto closing remarks.]

5:10-5:15 PM ET **CLOSING REMARKS AND ADJOURNMENT**
Facilitator: Rev. Susan Hendershot, Interfaith Power & Light

Susan *talking points*

- Thank you, Mr. Regan, Rosemary, and the rest of your team for taking the time to meet with the New Network today. We are greatly appreciative and deeply proud of the work that all of you and your EPA colleagues are doing every day.
- Please consider this Network to be an ally, and we look forward to continuing to work together on these incredibly important priorities and challenges in the days ahead.

- I'd also like to thank my co-facilitator, Nse, and all of our speakers for their engagement today as well.
- Take care, everyone.

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Administrator Regan Network Meeting Attendees
Wednesday, August 11, 2021

ATTENDEES

Attending

1. **Alliance of Nurses for Healthy Environments**
   Katie Huffling

2. **American Public Health Association**
   Dr. Georges Benjamin

3. **California Environmental Justice Alliance**
   Gladys Limon

4. **Ceres**
   Mindy Lubber

5. **Children's Environmental Health Network**
   Nsedu Obot

6. **Defenders of Wildlife**
   Jamie Rappaport Clark

7. **DEPLOY/US**
   Andrea Yodsampa

8. **Earthjustice**
   Abbie Dillen

9. **Green and Healthy Homes Initiative**
   Ruth Ann Norton

10. **Green the Church**
    Ambrose Carroll

11. **GreenLatinos**
    Mark Magaña

12. **Greenpeace USA**

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Administrator Regan Network Meeting Attendees
Wednesday, August 11, 2021

Annie Leonard

13. **Indigenous Environmental Network**
    Tom Goldtooth

14. **Interfaith Power and Light**
    Rev. Susan Hendershot

15. **League of Conservation Voters**
    Gene Karpinski

16. **Midwest Environmental Justice Network**
    Eartha Borer-Bell

17. **National Wildlife Federation**
    Collin O'Mara

18. **Natural Resources Defense Council**
    Mitch Bernard

19. **Partnership for Southern Equity**
    Nathaniel Smith

20. **RE-AMP Network**
    Melissa Gavin

21. **Sierra Club**
    Michael Brune

22. **The Trust for Public Land**
    Diane Regas

23. **WE ACT for Environmental Justice**
    Peggy Shepard

24. **Young Evangelicals for Climate Action**
    Tori Goebel

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Administrator Regan Network Meeting Attendees

Wednesday, August 11, 2021

Maybe Attending

1. **Conservation Hawks**
   Todd Tanner

Network Advisors

Bill Gallegos, Former Executive Director of Communities for a Better Environment

Kyle Meyaard-Schaap, Evangelical Environmental Network

Supporting Staff

Jasmine Harrison, The Partnership Project

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Administrator Regan & New Network Meeting Guest Speaker Biographies

August 11, 2021

Co-facilitators:

Nsedu Obot Witherspoon, MPH, Executive Director, Children's Environmental Health Network

Nsedu Obot Witherspoon, MPH, serves as the Executive Director for the Children's Environmental Health Network (CEHN), where her responsibilities include successfully organizing, leading, and managing policy, education/training, and science-related programs. For the past 18 years, she has served as a key spokesperson for children's vulnerabilities and the need for their protection, conducting presentations and lectures across the country.

She is a leader in the field of children's environmental health, serving as a member of the NIH Council of Councils, on the Science Advisory Board for the Centers for Disease Control and Prevention, and the External Science Board for the Environmental Influences on Child Health Outcomes (ECHO) NIH Research work. She is a Co-Leader for Advancing the Science/Health initiative of the National Collaborative on a Cancer-Free Economy. Ms. Witherspoon is also a Board member for the Pesticide Action Network of North America, the Environmental Integrity Project, and serves on the Maryland Children's Environmental Health Advisory Council.

Ms. Witherspoon has held past appointments on the Children's Health Protection Advisory Committee for the Environmental Protection Agency, and the Board for the American Public Health Association. She is a past member of the National Association of Environmental Health Sciences Council and the Institute of Medicine's Environmental Health Sciences Roundtable. Ms. Witherspoon has a variety of publications and has the distinct honor of having one of CEHN's leadership awards, the Nsedu Obot Witherspoon (NOW) Youth Leadership Award, named in her honor. She is also the recent recipient of the William R. Reilly Award in Environmental Leadership from the Center for Environmental Policy at American University and the Snowy Egret Award from the Eastern Queens Alliance.

Ms. Witherspoon has a B.S. in Biology Pre Med from Siena College and a M.P.H. in Maternal and Child Health from The George Washington University, School of Public Health and Health Services. She is a proud mom to 4 children!

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Administrator Regan & New Network Meeting Guest Speaker Biographies

August 11, 2021

Rev. Susan Hendershot, President, Interfaith Power & Light

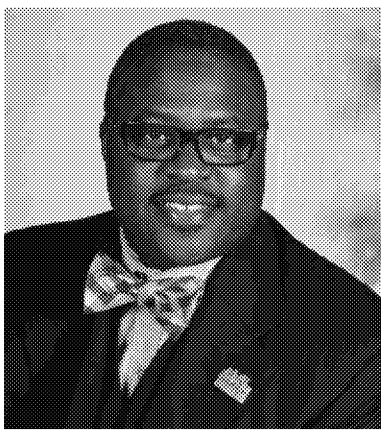
Rev. Susan Hendershot has served as president of Interfaith Power & Light since 2018. She was raised in a blue-collar family outside of Cleveland, Ohio, before attending Bethany College in West Virginia where she graduated with honors with a B.A. in Religious Studies. Rev. Hendershot went on to graduate school at Emory University in Atlanta, Georgia where she received her Master of Divinity degree from Candler School of Theology.

After graduate school, she moved to Iowa, where she was ordained in the Christian Church (Disciples of Christ) and served as a pastor in local congregations, focusing on social justice. Rev. Hendershot also led faith-based nonprofit organizations and served as the first Heartland Field Organizer for the ONE Campaign on global poverty. Just prior to her current role, she served as the Executive Director at Iowa Interfaith Power & Light, one of the state affiliates in the Interfaith Power & Light network.

Currently, Rev. Hendershot serves as co-chair of the Executive Committee for the RE-AMP Steering Committee, a network of over 140 climate, energy, and environmental organizations throughout the Midwest. Rev. Hendershot believes that climate change is a moral issue, disproportionately impacting those who are most vulnerable in our world. She gets her motivation and inspiration from her two sons.

Guest Speakers:

Rev. Dr. Ambrose Carroll, Sr., Founder & CEO, Green the Church



The Rev. Dr. Ambrose Carroll, Sr., senior pastor at The Church by the Side of the Road in Berkeley, CA, is one of the nation's premiere Practical Theologians. After graduating from Oakland High School in 1987, Ambrose went on to do his undergraduate work at Florida Memorial College in Miami, FL. He further received a Master of Divinity (M.Div.) from Morehouse School of Religion in Atlanta, GA, a Doctor of Ministry (D.Min.) from United Theological Seminary in Dayton Ohio, and a Master of Business Administration (M.B.A.) from Golden Gate University in San Francisco, CA.

Dr. Carroll was licensed to the Gospel ministry at Mt. Calvary Missionary Baptist Church in 1989 and ordained at the Beth Eden Baptist Church in 1994. He has served as the Youth and Young Adult Pastor of Third Baptist Church in San Francisco, Interim Pastor of the Rising Star Baptist Church of Oakland, Senior Pastor of the St. Paul Tabernacle Baptist Church of San Francisco, Senior Pastor of the New Hope Baptist Church of Denver, Co. and the Founding Pastor of the Renewal Worship Center Christian Church of Denver, CO. At the time, Renewal Worship Center was one of the first foundationally environmentally friendly "Green" Churches in the country. Dr. Carroll combined theology with ecology and challenged the church universal to embrace its mantle of creation care. This church was listed in the

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May edition of Fast Company Magazine and on CNN as one of the most innovative business ideas of 2011, stating, "Carroll has taken faith-based initiatives to a new level with what you might call initiative-focused faith. His inner-city church has an explicitly environmental emphasis and an outreach arm that offers green-job training and placement."

Using that momentum, Dr. Carroll expanded his work to California's Bay Area by creating a national campaign to "Green The Church", a national non-profit charged to educate the Black Church and lead in the creation of sustainable programs to undergird the work of creating green and efficient church buildings. Dr. Carroll and the Green The Church initiative were profiled in a CNN.com piece in 2019 detailing how Black churches are mobilizing nationwide to combat climate change and pollution for a more sustainable future. This forward thinking movement has also received coverage from Jet Magazine in an article entitled "Black Ministers Team Up to Green the Church". Pastor Carroll is also a signature contributor to HuffPost.com, part of The Huffington Post Media Group.

Because of his work with Green The Church and its national reach, Dr. Carroll was selected by Congresswoman Maxine Waters to be in the Senate Chambers during the January 2017 confirmation hearing for the nomination of Senator Jeff Sessions to be Attorney General of the U.S. Carroll joined other prominent and progressive voices of concerned clergy in attendance from around the country, such as, Rev. Dr. Amos C. Brown, senior pastor of Third Baptist Church in San Francisco, CA and president of the San Francisco Chapter of the NAACP; Rev. Shane Scott, senior pastor of the historic Macedonia Baptist Church in Los Angeles, CA; Rev. Dr. Frederick Douglass Haynes, III, senior pastor of the Friendship-West Baptist Church in Dallas, TX; and the Rev. Dr. Delman Coats of Mt. Ennon Baptist Church in Clinton, MD.

Dr. Carroll also oversees the Home & Foreign Mission District Association serving approximately 15 churches of the Berkeley Black Ecumenical Ministers Alliance (BBEMA). Dr. Carroll is also connected to the CA State Baptist Convention which has affiliated clergy throughout the state, and he serves on the Steering Committee of the California Interfaith Power and Light (CIPL).

Dr. Carroll served as a commissioned Lieutenant in the United States Navy. Dr. Carroll is married to the former Miss Katresa Williams and they have three children, **Ex. 6 Personal Privacy (PP)**

Administrator Regan & New Network Meeting Guest Speaker Biographies

August 11, 2021

Mindy Lubber, President & CEO, Ceres

Mindy Lubber is the CEO and President of the sustainability nonprofit organization Ceres. She leads an all-women executive leadership team and 150 employees working to mobilize the most influential investors and companies to tackle the world's biggest sustainability challenges: climate change, water scarcity and pollution, and inequitable workplaces. She has been at the helm since 2003, and under her leadership, the organization and its powerful networks have grown significantly in size and influence.

As a well-known global thought leader, Lubber has inspired coalitions of institutional investors, corporate boards, C-suite executives and other capital market leaders to factor environmental, social and governance issues into decision-making. She is frequently quoted in top business and financial news outlets and pens a regular column for Forbes.com on a variety of sustainability topics that have strengthened the business case for action and elevated concepts, such as climate and water risk. She also regularly speaks to high-level world and national political leaders on clean energy and water policies, and has helped to change the political conversation around tackling climate change to one focused on jobs and the economy. And in 2015, Lubber helped catalyze the necessary business support to get the historic Paris Agreement across the finish line, leading Vogue Magazine to name her a "Climate Warrior."

Lubber has received numerous awards for her leadership. In 2020, Lubber received the 'Champions of the Earth' award - the highest environmental honor from the United Nations. In the same year, Lubber made Barron's Magazine's inaugural list of the 100 most influential women in U.S. finance and was again a member of the list in 2021. She has also received the Climate Visionary Award from the Earth Day Network, William K. Reilly Award for Environmental Leadership from American University, and the Skoll Award for Social Entrepreneurship from the Skoll Foundation. She has been recognized by the United Nations and the Foundation for Social Change as one of the World's Top Leaders of Change. In 2019, Ceres was named a top 100 women-led businesses in Massachusetts by the Globe Magazine and Commonwealth Institute, and in 2020, Lubber made Barron's Magazine's inaugural list of the 100 most influential women in U.S. finance.

Prior to Ceres, Lubber served as a Regional Administrator at the U.S. Environmental Protection Agency under former President Bill Clinton. She also founded Green Century Capital Management and served as the director of the Massachusetts Public Interest Research Group (MASSPIRG).

She resides in Brookline, Mass., with her husband Norman Stein. She has two children Ex. 6 Personal Privacy (PP)

Peggy Shepard, Co-Founder and Executive Director, WE ACT for Environmental Justice

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Administrator Regan & New Network Meeting Guest Speaker Biographies

August 11, 2021

Peggy Shepard is co-founder and executive director of WE ACT for Environmental Justice and has a long history of organizing and engaging Northern Manhattan residents in community-based planning and campaigns to address environmental protection and environmental health policy locally and nationally. She has successfully combined grassroots organizing, environmental advocacy, and environmental health community-based participatory research to become a national leader in advancing environmental policy and the perspective of environmental justice in urban communities — to ensure that the right to a clean, healthy and sustainable environment extends to all.

She has been named co-chair of the White House Environmental Justice Advisory Council, and was the first female chair of the National Environmental Justice Advisory Council to the U.S. Environmental Protection Agency. She also serves on the Executive Committee of the National Black Environmental Justice Network and the Board of Advisors of the Columbia Mailman School of Public Health.

Her work has received broad recognition: the Jane Jacobs Medal from the Rockefeller Foundation for Lifetime Achievement, the 10th Annual Heinz Award For the Environment, the William K. Reilly Award for Environmental Leadership, the Dean's Distinguished Service Award from the Columbia Mailman School of Public Health, and Honorary Doctorates from Smith College and Lawrence University.

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Message

From: Levy, Maxwell [Levy.Maxwell@epa.gov]
Sent: 8/10/2021 1:41:11 AM
To: Jasmine Harrison [jharrison@partnershipproject.org]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Laura Bentzen [lbentzen@partnershipproject.org]
CC: Michael Brune, Sierra Club [michael.brune@sierraclub.org]; Cortez Russell, Loni [Russell.Loni@epa.gov]
Subject: RE: Request for meeting
Attachments: 8.11.21 Regan Mtg_Agenda + Script (1).docx; 8.11.21 Network Meeting Attendees.docx; 8.11.21 Network Meeting Co-facilitator & Guest Bios.docx

Jasmine, thank you for all of this, it's very helpful! Also adding Loni Cortez-Russell back in, and we'll be sure to circle back if we have any questions on this.

Looking forward to Wednesday,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 9, 2021 4:42 PM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

I hope that you all had a nice weekend. Below are our final materials for the meeting on Wednesday. Please let me know if you have any questions or concerns.

1. 8.11.21 Meeting Agenda + Script: Final version is attached with additional remarks and speaker names.
2. Attendee List: All of our members who have indicated that they would attend the meeting on Wednesday, as of today.
3. Speaker bios & photos: Our Steering Committee and member speaker bios and photos.

Best,

Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, August 6, 2021 12:13 PM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

We hope that you all have something restful to look forward to this weekend. We wanted to share some updates around our outstanding action items below.

1. 8.11.21 Meeting Agenda + Script: A first cut at a draft agenda and script is attached.
    a. Currently being reviewed and edited by the two members of our Steering Committee who have volunteered to co-facilitate on 8/11
    b. Currently confirming our three speakers to give remarks before the Q&A and adding in their draft remarks for your review

1. Attendee List: We are still collecting RSVPs and will send you the list of expected attendees by EOD on Monday, August 9th.
2. Speaker bios & photos: We are still working to confirm our speakers and we will send you bios and photos for them and our facilitators by EOD on Monday, August 9th.

Please let us know if you have any questions or concerns.

Have a nice weekend!

Best,

Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, August 3, 2021 11:56 AM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Max! We will speak with you tomorrow.

Best,

Jasmine

From: Levy, Maxwell <Levy.Maxwell@epa.gov>
Sent: Tuesday, August 3, 2021 11:55 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

That's great to hear! I'll send around a calendar invite shortly with a Teams link and dial-in, feel free to forward that along to anyone else who should join.

Thanks,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, August 3, 2021 11:50 AM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Max,

Thank you for getting back to us so quickly. We're looking forward to it as well. Let's go with tomorrow, August 4th, at 1 pm ET. Would you like to supply a conference number or would you prefer for us to send one?

Best,
Jasmine

From: Levy, Maxwell <Levy.Maxwell@epa.gov>
Sent: Tuesday, August 3, 2021 11:38 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Jasmine, we're excited to talk through this event in more detail! Would you be available at 3:30pm ET today, or 1pm or 4:30pm tomorrow? If not, let us know some other times that could work in the next couple days and we can try and find some time that works.

Thanks,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education

U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 2:24 PM
To: Morgan, Ashley <Morgan.Ashley.M@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: Re: Request for meeting

Hi Ashley,

Please see the attached. Our network is not public-facing, so I ask that you please keep this list of members very closely held.

What day this week works for your team to discuss the meeting format and agenda?

Thank you,
Jasmine

From: Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Sent: Monday, August 2, 2021 1:39 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: RE: Request for meeting

Hi Jasmine –

Thanks so much for confirming that Wednesday, August 11th at 4:30 pm works on your end. I am happy to send around the calendar invitation with a zoom link. Could you please provide the names, email addresses, and organizations of all attendees?

Thanks!
Ashley

Ashley M. Morgan
Deputy Director of Scheduling and Advance
U.S. Environmental Protection Agency
Cell: (202) 909-9983

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 11:30 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Rosemary,

Thank you! We will circulate a calendar invitation to the network so that they can get this call on their calendars. Two questions before I circulate the invitation: (1) Would you like us to send the invitation to anyone on your team? If so, can you please share their names and email addresses? (2) Could we use our regular Zoom link or would you like to send a secure Zoom link?

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, July 30, 2021 2:09 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi there,

Thanks so much for bearing with me on this. We are currently holding Wednesday, August 11th from 4:30pm – 5:15pm for this meeting. Looping in Ashley Morgan from our scheduling team to lock this in if it works for you all. Let's plan to hop on the phone next week to discuss meeting agenda and format.

Thanks again,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, July 30, 2021 9:41 AM
To: Laura Bentzen <lbentzen@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope that your week hasn't been too hectic. Bumping Laura's email from last week up in your inbox.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 21, 2021 2:42 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: RE: Request for meeting

Hi Rosemary,

Just checking in to see if you might have an update for us. Do you still think July is a possibility or is August more realistic? I do think mid-to-late August might be best for the network since members have requested as much lead time as possible to maximize their attendance. When you are able to share times, if there is any possibility that you could provide us with two weeks' notice, we'd greatly appreciate it.

Best,
Laura

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 12:52 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Thank you!

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, July 14, 2021 12:49 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I think we can make late July or early August work. I'll circle back this with times.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 11:38 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope your week is going well. Checking in to see if you think Administrator Regan is most likely to be free for this meeting in late July or August? Please let us know if you need anything else from us at this time.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 7, 2021 12:16 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Rosemary,

I hope you are having a good week. As was discussed last month with Mike Brune and Jasmine Harrison, we'd love to set up a meeting with Administrator Regan and the new network. Do you think July is a possibility, or would August be preferred? Please let us know what is realistic when you can.

Many thanks,
Laura Bentzen

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 30, 2021 3:28 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

Bumping this up in your inbox!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, June 15, 2021 10:10 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary.

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Tuesday, June 15, 2021 7:23 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

I'll circle back today with a few times for next month.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 9, 2021 9:42 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary!

Please let us know if it is helpful for us to offer up some times as well. We would appreciate the opportunity to meet with Administrator Regan at the end of this month or beginning of next, but understand he has a busy schedule.

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, June 2, 2021 9:28 AM
To: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I don't know how this email got lost in my inbox but glad it popped up this morning. Thanks for sending this over Michael.

Hello Laura and Jasmine, I'd be happy to find some time for on the Administrator's calendar for this conversation. I'll circle back with you on timing for this conversation.

Thanks,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Michael Brune <michael.brune@sierraclub.org>
Sent: Thursday, May 20, 2021 3:05 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <Lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: Request for meeting

Rosemary,

I hope you're well. Per our conversation, we'd like to set up a conversation with Administrator Regan and the CEO's from the new environmental leadership network I mentioned to the Administrator on our last call. Below is more information about that network and an invitation and request to meet. I'm also copying Jasmine Harrison and Laura Bentzen, who helped to create this network and are staffing it currently. Thx for all your help!

Mike

Administrator Regan,

Thank you for your service.

We are leaders of a new, national environmental leadership network (not yet named) has launched to effectively break down silos and build power across the environmental movement in new and exciting ways. We are about 70 CEO's of national environmental organizations; environmental justice groups; tribal, youth, civil rights, economic justice, conservative, health and faith-based organizations; unions, state-based groups, and more, As a starting point, we aim to:

1. Create fair and equitable spaces and opportunities for engagement among leaders in order to strengthen existing relationships and build new ones;
2. Create equity of power and increase access to resources for frontline communities so that equity guides all network efforts for the sake of the broader society;
3. Create synergy and connective infrastructure among existing networks and participating organizations; and
4. Incubate, support, strengthen and organize campaigns that leverage the support and power of millions of Americans and direct it toward concrete, achievable goals.

We are incredibly grateful for your willingness to fill such a pivotal role within the new administration and champion the work that matters so much to our collective future. And to help us better understand your priorities as well as how we individually and collectively can be effective partners in advancing those priorities, we would like to invite you to join us for a virtual meeting, ideally for 45-60 minutes.

On behalf of ourselves and our membership, we thank you for your unfailing leadership and perseverance in these incredibly important fights. There is so much to do, and the first step is finding genuine and authentic ways to work together. We look forward to engaging with you and your team very soon.

Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap

Michael Brune
Executive Director
michael.brune@sierraclub.org
415-977-5662
pronouns: he, him, his
Subscribe to my blog and
on Facebook and Twitter

New Network Meeting with Administrator Regan
Agenda + Facilitators + Speakers + Script | 8.11.21 | 4:30-5:15 pm ET | Zoom

A. DRAFT AGENDA

1. Welcome + Introductions (10 min)
2. Remarks from Administrator Regan and Q&A (30 min)
3. Closing Remarks + Adjournment (5 min)

B. NETWORK FACILITATORS

1. Nse Obot Witherspoon, Children's Environmental Health Network, and Member of New Network Steering Committee
2. Rev. Susan Hendershot, Interfaith Power & Light, and Member of New Network Steering Committee

C. SPEAKERS

1. Michael Regan, Administrator, EPA
2. Rosemary Enobakhare, Associate Administrator, Office of Public Engagement and Environmental Education, EPA
3. Rev. Dr. Ambrose Carroll, Sr., Founder & CEO, Green the Church
4. Peggy Shepard, Co-Founder and Executive Director, WE ACT for Environmental Justice
5. Mindy Lubber, President & CEO, Ceres

D. DRAFT SCRIPT FOR FACILITATORS AND SPEAKERS

NOTES:
- EPA to host Zoom call and Max to handle any tech issues.
- Jasmine to capture notes during Q&A.
- Prompts for facilitators and speakers are in red text.
- Yellow highlighting indicates areas where script content is still needed.

4:30-4:40 PM ET **WELCOME + INTRODUCTIONS | 10 MINUTES**
Speaker: Rosemary Enobakhare, Office of Public Engagement and Environmental Education, EPA
Facilitator: Nse Obot Witherspoon, Children's Environmental Health Network

Rosemary talking points

- Hello everyone and welcome to today's call with EPA Administrator Michael Regan. I'm Rosemary Enobakhare, Associate Administrator for EPA's Office of Public Engagement and Environmental Education, and on behalf of Mr. Regan and his team, we'd like to thank you for the invitation to speak with the New Network today about several of EPA's current priorities and initiatives.

Commented [1]: Rosemary, feel free to make any changes to your opening remarks.

Nse talking points

- Thank you, Rosemary, and good afternoon, Administrator Regan, EPA team staff, and all New Network members joining today's call. My name is Nse Obot Witherspoon, and I'm the

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Executive Director of the Children's Environmental Health Network. I am honored to co-facilitate today's call along with my Steering Committee counterpart, Rev. Susan Hendershot, who is the President of Interfaith Power & Light, and on behalf of the New Network and the newly-formed Steering Committee, I'd like to formally welcome Administrator Regan and members of his team and express our sincere gratitude for your time with us today.

- As our network is rather large, we will not be asking all of our members who are on the call to verbally introduce themselves today, but they are welcome to do so using the chat. Mr. Regan, our Network is a relatively new establishment, and one that we hope will be diverse, inclusive, equitable and just in everything that we do together.
- We are a rather broad and diverse network with more than 70 member organizations spanning nine sectors, specifically state-based, Tribal, youth, conservative, faith, environmental justice, labor, health, and national.
- Before I turn it over to you, Mr. Regan, I'd like to thank you again for taking the time to speak with us today. We are looking forward to hearing about the (1) new executive order on car rules and heavy duty trucks, (2) enforcement of EPA rules and the Justice40 work the Agency is involved with, and (3) how a network of our size and diversity can be of help to the EPA in the days ahead. Thank you.

[Next up: Admin Regan to say hello and provide some remarks about the Agency's priorities as well as the three topic areas referenced by Nse.]

4:40-5:10 PM ET **REMARKS FROM ADMINISTRATOR REGAN AND Q&A | 30 MINUTES**
Facilitators: Nse Obot Witherspoon, Children's Environmental Health Network; Rev. Susan Hendershot, Interfaith Power & Light
Speakers: Michael Regan, EPA Administrator; Rev. Dr. Ambrose Carroll, Sr., Green the Church; Peggy Shepard, WE ACT for Environmental Justice; Mindy Lubber, Ceres

PART ONE: REMARKS FROM ADMINISTRATOR REGAN (10-15 min total)
Admin Regan talking points (5-10 min)

- *[EPA to insert Admin Regan's remarks.]*

Nse talking points (1 min)

- Thank you, Mr. Regan for sharing this information with us just now. As a network, we are constantly working to ensure that current and future generations live in a world with clean air, clean water, clean energy, healthy and economically viable communities, quality jobs, a stable climate, and thriving ecosystems. We strive to create equity of power and increase access to resources for frontline communities so that equity guides all Network efforts for the sake of the broader society. And we also have a commitment to building trust and relationships through the acknowledgement of past harms and purposeful reconciliation and healing.

New Network Meeting with Administrator Regan
Agenda + Facilitators + Speakers + Script | 8.11.21 | 4:30-5:15 pm ET | Zoom

- Clearly our ambitions are high as is the potential for real and meaningful change, and one of the reasons why we invited you here today is to hear from you how a network as broad and diverse as ours can help EPA tackle some of its most pressing priorities and needs.
- Before we open it up for questions, I'd like to ask a few of our members to briefly say a few words in response to your remarks. I'd like to ask Ambrose Carroll of Green the Church, Mindy Lubber of Ceres, and Peggy Shepard of WE ACT for Environmental Justice to go ahead at this time.

Ambrose Carroll *talking points on how a network the size and diversity of ours can be of help to the EPA in the days ahead* ***(1 minute)****:*

- Thank you, Administrator Regan. I am Rev. Dr. Ambrose Carroll, Sr., Senior Pastor of The Church by The Road in Berkeley, CA and founder of Green The Church, a nationwide initiative which engages Black Church congregations of all denominations in the fight for ecological justice.
- For over 200 years, Black churches have been on the front lines of the most important social movements in the US and have been centers of resilience; meeting people's needs. But we have been largely unsuccessful in influencing the Federal government to ensure laws protecting human health and the environment are administered and enforced fairly and effectively.
- Our current work helps galvanize local communities and leaders, addressing issues specific to populations historically disengaged from conversations around pollution and health, climate change, and sustainability and energy efficiency.
- We are committed to mobilizing our communities around a unified message supporting the Biden Harris Administration's climate and environmental priorities. And collaborating with The Partnership Project network allows a large group of diverse organizations—including those representing communities most gravely affected by environmental degradation—to work toward these common goals.

Mindy Lubber *talking points on car rules and heavy-duty trucks* ***(1 minute)***

- Administrator Regan, thank you for taking the time to speak with us today.
- We're going to continue to bring the progressive business and investor community to support you just as we did in April when we brought together 411 businesses and investors with a footprint in the U.S. to [HYPERLINK "https://www.wemeanbusinesscoalition.org/ambitious-u-s-2030-ndc/" \h] to President Biden indicating their support for the Biden administration's commitment to climate action, and for setting a federal climate target to reduce emissions.
- We've also recently brought over 300 businesses and investors to the Hill to make the case for an infrastructure package that will put the U.S. on the path to net-zero emissions, invest in sustainable infrastructure, create good-paying jobs, and deliver justice to communities most harmed by climate pollution.
- Ceres will continue to build support for CAFE standards through our Corporate Electric Vehicle Alliance and our policy network which represent more than 80 companies with a combined $1.3 trillion in annual revenue, and are calling on the Administration to set strong emissions and fuel economy standards for passenger vehicles.

- On methane, we helped convene 147 oil and gas industry investors representing $5.35 trillion in assets under management to [HYPERLINK "https://www.ceres.org/sites/default/files/1%20Federal%20Methane%20Regulations%20Investor%20Statement_04.01.21%20(1)%20(1).pdf" \h] calling for comprehensive regulations to curb dangerous GHG emissions — and more stringent enforcement mechanisms to back them up.
- We are supportive of your work and will continue to bring new messages and messengers from the private sector to support the Administration.
- Thank you.

Peggy Shepard *talking points on enforcement of EPA Rules & Justice40* ***(1 minute)***

- We need to ensure that agencies, like EPA, work closely with environmental justice advocates to ensure that states and localities get Justice40 monies to frontline communities. This is the theme that we will update.

[Susan: After Speaker 3 is finished, please move to facilitate Q&A.]

Susan *talking points* ***(1 min)***

- Thank you, Ambrose, Mindy, and Peggy. As Nse mentioned at the beginning of the call, my name is Rev. Susan Hendershot, and I am the President of Interfaith Power & Light. IPL's mission is to inspire and mobilize people of faith and conscience to take bold and just action on climate change. Thank you again, Mr. Regan, for making space on today's call for some Q&A.
- At this time, I'd like to invite questions from our members for Mr. Regan. Please add your name to the chat, and I will call on you in the order received. I will try to reserve time at the end for a question or two by phone, so if you're calling in via phone, please have your question ready.
- For those questions we are unable to get to, please email them to Laura and Jasmine who will work with Mr. Regan's team offline to get you the answers.

PART TWO: Q&A (10-15 min total)

[Susan: Please view the chat box to call on individuals, leaving time at the end of Q&A for 1-2 phone call questions, if needed. Mr. Regan will answer each question asked. At 5:10 pm, please move onto closing remarks.]

5:10-5:15 PM ET **CLOSING REMARKS AND ADJOURNMENT**
Facilitator: Rev. Susan Hendershot, Interfaith Power & Light

Susan *talking points*

- Thank you, Mr. Regan, Rosemary, and the rest of your team for taking the time to meet with the New Network today. We are greatly appreciative and deeply proud of the work that all of you and your EPA colleagues are doing every day.
- Please consider this Network to be an ally, and we look forward to continuing to work together on these incredibly important priorities and challenges in the days ahead.

- I'd also like to thank my co-facilitator, Nse, and all of our speakers for their engagement today as well.
- Take care, everyone.

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Administrator Regan Network Meeting Attendees

Wednesday, August 11, 2021

ATTENDEES

Attending

1. **Alliance of Nurses for Healthy Environments**
   Katie Huffling

2. **American Public Health Association**
   Dr. Georges Benjamin

3. **California Environmental Justice Alliance**
   Gladys Limon

4. **Ceres**
   Mindy Lubber

5. **Children's Environmental Health Network**
   Nsedu Obot

6. **Defenders of Wildlife**
   Jamie Rappaport Clark

7. **DEPLOY/US**
   Andrea Yodsampa

8. **Earthjustice**
   Abbie Dillen

9. **Green and Healthy Homes Initiative**
   Ruth Ann Norton

10. **Green the Church**
    Ambrose Carroll

11. **GreenLatinos**
    Mark Magaña

12. **Greenpeace USA**

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Administrator Regan Network Meeting Attendees
Wednesday, August 11, 2021

Annie Leonard

13. **Indigenous Environmental Network**
    Tom Goldtooth

14. **Interfaith Power and Light**
    Rev. Susan Hendershot

15. **League of Conservation Voters**
    Gene Karpinski

16. **Midwest Environmental Justice Network**
    Eartha Borer-Bell

17. **National Wildlife Federation**
    Collin O'Mara

18. **Natural Resources Defense Council**
    Mitch Bernard

19. **Partnership for Southern Equity**
    Nathaniel Smith

20. **RE-AMP Network**
    Melissa Gavin

21. **Sierra Club**
    Michael Brune

22. **The Trust for Public Land**
    Diane Regas

23. **WE ACT for Environmental Justice**
    Peggy Shepard

24. **Young Evangelicals for Climate Action**
    Tori Goebel

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Administrator Regan Network Meeting Attendees

Wednesday, August 11, 2021

Maybe Attending

1. **Conservation Hawks**
   Todd Tanner

Network Advisors

Bill Gallegos, Former Executive Director of Communities for a Better Environment

Kyle Meyaard-Schaap, Evangelical Environmental Network

Supporting Staff

Jasmine Harrison, The Partnership Project

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Administrator Regan & New Network Meeting Guest Speaker Biographies

August 11, 2021

Co-facilitators:

Nsedu Obot Witherspoon, MPH, Executive Director, Children's Environmental Health Network

Nsedu Obot Witherspoon, MPH, serves as the Executive Director for the Children's Environmental Health Network (CEHN), where her responsibilities include successfully organizing, leading, and managing policy, education/training, and science-related programs. For the past 18 years, she has served as a key spokesperson for children's vulnerabilities and the need for their protection, conducting presentations and lectures across the country.

She is a leader in the field of children's environmental health, serving as a member of the NIH Council of Councils, on the Science Advisory Board for the Centers for Disease Control and Prevention, and the External Science Board for the Environmental Influences on Child Health Outcomes (ECHO) NIH Research work. She is a Co-Leader for Advancing the Science/Health initiative of the National Collaborative on a Cancer-Free Economy. Ms. Witherspoon is also a Board member for the Pesticide Action Network of North America, the Environmental Integrity Project, and serves on the Maryland Children's Environmental Health Advisory Council.

Ms. Witherspoon has held past appointments on the Children's Health Protection Advisory Committee for the Environmental Protection Agency, and the Board for the American Public Health Association. She is a past member of the National Association of Environmental Health Sciences Council and the Institute of Medicine's Environmental Health Sciences Roundtable. Ms. Witherspoon has a variety of publications and has the distinct honor of having one of CEHN's leadership awards, the Nsedu Obot Witherspoon (NOW) Youth Leadership Award, named in her honor. She is also the recent recipient of the William R. Reilly Award in Environmental Leadership from the Center for Environmental Policy at American University and the Snowy Egret Award from the Eastern Queens Alliance.

Ms. Witherspoon has a B.S. in Biology Pre Med from Siena College and a M.P.H. in Maternal and Child Health from The George Washington University, School of Public Health and Health Services. She is a proud mom to 4 children!

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Administrator Regan & New Network Meeting Guest Speaker Biographies

August 11, 2021

Rev. Susan Hendershot, President, Interfaith Power & Light

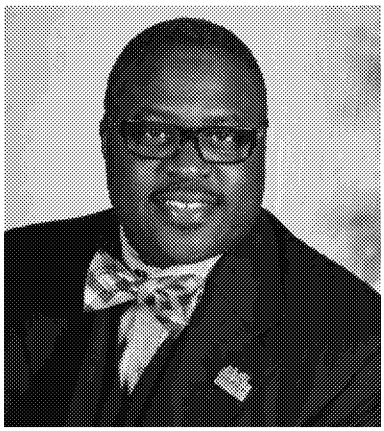
Rev. Susan Hendershot has served as president of Interfaith Power & Light since 2018. She was raised in a blue-collar family outside of Cleveland, Ohio, before attending Bethany College in West Virginia where she graduated with honors with a B.A. in Religious Studies. Rev. Hendershot went on to graduate school at Emory University in Atlanta, Georgia where she received her Master of Divinity degree from Candler School of Theology.

After graduate school, she moved to Iowa, where she was ordained in the Christian Church (Disciples of Christ) and served as a pastor in local congregations, focusing on social justice. Rev. Hendershot also led faith-based nonprofit organizations and served as the first Heartland Field Organizer for the ONE Campaign on global poverty. Just prior to her current role, she served as the Executive Director at Iowa Interfaith Power & Light, one of the state affiliates in the Interfaith Power & Light network.

Currently, Rev. Hendershot serves as co-chair of the Executive Committee for the RE-AMP Steering Committee, a network of over 140 climate, energy, and environmental organizations throughout the Midwest. Rev. Hendershot believes that climate change is a moral issue, disproportionately impacting those who are most vulnerable in our world. She gets her motivation and inspiration from her two sons.

Guest Speakers:

Rev. Dr. Ambrose Carroll, Sr., Founder & CEO, Green the Church



The Rev. Dr. Ambrose Carroll, Sr., senior pastor at The Church by the Side of the Road in Berkeley, CA, is one of the nation's premiere Practical Theologians. After graduating from Oakland High School in 1987, Ambrose went on to do his undergraduate work at Florida Memorial College in Miami, FL. He further received a Master of Divinity (M.Div.) from Morehouse School of Religion in Atlanta, GA, a Doctor of Ministry (D.Min.) from United Theological Seminary in Dayton Ohio, and a Master of Business Administration (M.B.A.) from Golden Gate University in San Francisco, CA.

Dr. Carroll was licensed to the Gospel ministry at Mt. Calvary Missionary Baptist Church in 1989 and ordained at the Beth Eden Baptist Church in 1994. He has served as the Youth and Young Adult Pastor of Third Baptist Church in San Francisco, Interim Pastor of the Rising Star Baptist Church of Oakland, Senior Pastor of the St. Paul Tabernacle Baptist Church of San Francisco, Senior Pastor of the New Hope Baptist Church of Denver, Co. and the Founding Pastor of the Renewal Worship Center Christian Church of Denver, CO. At the time, Renewal Worship Center was one of the first foundationally environmentally friendly "Green" Churches in the country. Dr. Carroll combined theology with ecology and challenged the church universal to embrace its mantle of creation care. This church was listed in the

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May edition of Fast Company Magazine and on CNN as one of the most innovative business ideas of 2011, stating, "Carroll has taken faith-based initiatives to a new level with what you might call initiative-focused faith. His inner-city church has an explicitly environmental emphasis and an outreach arm that offers green-job training and placement."

Using that momentum, Dr. Carroll expanded his work to California's Bay Area by creating a national campaign to "Green The Church", a national non-profit charged to educate the Black Church and lead in the creation of sustainable programs to undergird the work of creating green and efficient church buildings. Dr. Carroll and the Green The Church initiative were profiled in a CNN.com piece in 2019 detailing how Black churches are mobilizing nationwide to combat climate change and pollution for a more sustainable future. This forward thinking movement has also received coverage from Jet Magazine in an article entitled "Black Ministers Team Up to Green the Church". Pastor Carroll is also a signature contributor to HuffPost.com, part of The Huffington Post Media Group.

Because of his work with Green The Church and its national reach, Dr. Carroll was selected by Congresswoman Maxine Waters to be in the Senate Chambers during the January 2017 confirmation hearing for the nomination of Senator Jeff Sessions to be Attorney General of the U.S. Carroll joined other prominent and progressive voices of concerned clergy in attendance from around the country, such as, Rev. Dr. Amos C. Brown, senior pastor of Third Baptist Church in San Francisco, CA and president of the San Francisco Chapter of the NAACP; Rev. Shane Scott, senior pastor of the historic Macedonia Baptist Church in Los Angeles, CA; Rev. Dr. Frederick Douglass Haynes, III, senior pastor of the Friendship-West Baptist Church in Dallas, TX; and the Rev. Dr. Delman Coats of Mt. Ennon Baptist Church in Clinton, MD.

Dr. Carroll also oversees the Home & Foreign Mission District Association serving approximately 15 churches of the Berkeley Black Ecumenical Ministers Alliance (BBEMA). Dr. Carroll is also connected to the CA State Baptist Convention which has affiliated clergy throughout the state, and he serves on the Steering Committee of the California Interfaith Power and Light (CIPL).

Dr. Carroll served as a commissioned Lieutenant in the United States Navy. Dr. Carroll is married to the former Miss Katresa Williams and they have three children, **Ex. 6**

Administrator Regan & New Network Meeting Guest Speaker Biographies

August 11, 2021

Mindy Lubber, President & CEO, Ceres

Mindy Lubber is the CEO and President of the sustainability nonprofit organization Ceres. She leads an all-women executive leadership team and 150 employees working to mobilize the most influential investors and companies to tackle the world's biggest sustainability challenges: climate change, water scarcity and pollution, and inequitable workplaces. She has been at the helm since 2003, and under her leadership, the organization and its powerful networks have grown significantly in size and influence.

As a well-known global thought leader, Lubber has inspired coalitions of institutional investors, corporate boards, C-suite executives and other capital market leaders to factor environmental, social and governance issues into decision-making. She is frequently quoted in top business and financial news outlets and pens a regular column for Forbes.com on a variety of sustainability topics that have strengthened the business case for action and elevated concepts, such as climate and water risk. She also regularly speaks to high-level world and national political leaders on clean energy and water policies, and has helped to change the political conversation around tackling climate change to one focused on jobs and the economy. And in 2015, Lubber helped catalyze the necessary business support to get the historic Paris Agreement across the finish line, leading Vogue Magazine to name her a "Climate Warrior."

Lubber has received numerous awards for her leadership. In 2020, Lubber received the 'Champions of the Earth' award - the highest environmental honor from the United Nations. In the same year, Lubber made Barron's Magazine's inaugural list of the 100 most influential women in U.S. finance and was again a member of the list in 2021. She has also received the Climate Visionary Award from the Earth Day Network, William K. Reilly Award for Environmental Leadership from American University, and the Skoll Award for Social Entrepreneurship from the Skoll Foundation. She has been recognized by the United Nations and the Foundation for Social Change as one of the World's Top Leaders of Change. In 2019, Ceres was named a top 100 women-led businesses in Massachusetts by the Globe Magazine and Commonwealth Institute, and in 2020, Lubber made Barron's Magazine's inaugural list of the 100 most influential women in U.S. finance.

Prior to Ceres, Lubber served as a Regional Administrator at the U.S. Environmental Protection Agency under former President Bill Clinton. She also founded Green Century Capital Management and served as the director of the Massachusetts Public Interest Research Group (MASSPIRG).

She resides in Brookline, Mass., with her husband Norman Stein. She has two children, **Ex. 6**

Peggy Shepard, Co-Founder and Executive Director, WE ACT for Environmental Justice

Administrator Regan & New Network Meeting Guest Speaker Biographies

August 11, 2021

Peggy Shepard is co-founder and executive director of WE ACT for Environmental Justice and has a long history of organizing and engaging Northern Manhattan residents in community-based planning and campaigns to address environmental protection and environmental health policy locally and nationally. She has successfully combined grassroots organizing, environmental advocacy, and environmental health community-based participatory research to become a national leader in advancing environmental policy and the perspective of environmental justice in urban communities — to ensure that the right to a clean, healthy and sustainable environment extends to all.

She has been named co-chair of the White House Environmental Justice Advisory Council, and was the first female chair of the National Environmental Justice Advisory Council to the U.S. Environmental Protection Agency. She also serves on the Executive Committee of the National Black Environmental Justice Network and the Board of Advisors of the Columbia Mailman School of Public Health.

Her work has received broad recognition: the Jane Jacobs Medal from the Rockefeller Foundation for Lifetime Achievement, the 10th Annual Heinz Award For the Environment, the William K. Reilly Award for Environmental Leadership, the Dean's Distinguished Service Award from the Columbia Mailman School of Public Health, and Honorary Doctorates from Smith College and Lawrence University.

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Message

From: Jasmine Harrison [jharrison@partnershipproject.org]
Sent: 8/10/2021 1:47:37 PM
To: Levy, Maxwell [Levy.Maxwell@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Laura Bentzen [lbentzen@partnershipproject.org]
CC: Michael Brune, Sierra Club [michael.brune@sierraclub.org]; Cortez Russell, Loni [Russell.Loni@epa.gov]
Subject: Re: Request for meeting

Thank you, Max! Don't hesitate to let me know if you need anything else from our side. Otherwise, I will see you on Wednesday.

Best,
Jasmine

From: Levy, Maxwell <Levy.Maxwell@epa.gov>
Sent: Monday, August 9, 2021 9:41 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Cortez Russell, Loni <Russell.Loni@epa.gov>
Subject: RE: Request for meeting

Jasmine, thank you for all of this, it's very helpful! Also adding Loni Cortez-Russell back in, and we'll be sure to circle back if we have any questions on this.

Looking forward to Wednesday,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 9, 2021 4:42 PM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

I hope that you all had a nice weekend. Below are our final materials for the meeting on Wednesday. Please let me know if you have any questions or concerns.

1. 8.11.21 Meeting Agenda + Script: Final version is attached with additional remarks and speaker names.
2. Attendee List: All of our members who have indicated that they would attend the meeting on Wednesday, as of today.
3. Speaker bios & photos: Our Steering Committee and member speaker bios and photos.

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, August 6, 2021 12:13 PM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

We hope that you all have something restful to look forward to this weekend. We wanted to share some updates around our outstanding action items below.

1. 8.11.21 Meeting Agenda + Script: A first cut at a draft agenda and script is attached.
    a. Currently being reviewed and edited by the two members of our Steering Committee who have volunteered to co-facilitate on 8/11
    b. Currently confirming our three speakers to give remarks before the Q&A and adding in their draft remarks for your review
2. Attendee List: We are still collecting RSVPs and will send you the list of expected attendees by EOD on Monday, August 9th.
3. Speaker bios & photos: We are still working to confirm our speakers and we will send you bios and photos for them and our facilitators by EOD on Monday, August 9th.

Please let us know if you have any questions or concerns.

Have a nice weekend!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, August 3, 2021 11:56 AM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Max! We will speak with you tomorrow.

Best,
Jasmine

From: Levy, Maxwell <Levy.Maxwell@epa.gov>
Sent: Tuesday, August 3, 2021 11:55 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>

Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

That's great to hear! I'll send around a calendar invite shortly with a Teams link and dial-in, feel free to forward that along to anyone else who should join.

Thanks,
Max

Max Levy
Special Assistant
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202.815.7752 | he/him

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Cc: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Max,

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Jasmine

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Hi Jasmine, we're excited to talk through this event in more detail! Would you be available at 3:30pm ET today, or 1pm or 4:30pm tomorrow? If not, let us know some other times that could work in the next couple days and we can try and find some time that works.

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Bentzen <lbentzen@partnershipproject.org>
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Subject: Re: Request for meeting

Hi Ashley,

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What day this week works for your team to discuss the meeting format and agenda?

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Thanks!
Ashley

Ashley M. Morgan
Deputy Director of Scheduling and Advance
U.S. Environmental Protection Agency
Cell: (202) 909-9983

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Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Rosemary,

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Best,
Jasmine

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Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

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Thanks so much for bearing with me on this. We are currently holding Wednesday, August 11th from 4:30pm – 5:15pm for this meeting. Looping in Ashley Morgan from our scheduling team to lock this in if it works for you all. Let's plan to hop on the phone next week to discuss meeting agenda and format.

Thanks again,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Jasmine Harrison <jharrison@partnershipproject.org>
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To: Laura Bentzen <lbentzen@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope that your week hasn't been too hectic. Bumping Laura's email from last week up in your inbox.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 21, 2021 2:42 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: RE: Request for meeting

Hi Rosemary,

Just checking in to see if you might have an update for us. Do you still think July is a possibility or is August more realistic? I do think mid-to-late August might be best for the network since members have requested as much lead time as possible to maximize their attendance. When you are able to share times, if there is any possibility that you could provide us with two weeks' notice, we'd greatly appreciate it.

Best,
Laura

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 12:52 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Thank you!

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, July 14, 2021 12:49 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I think we can make late July or early August work. I'll circle back this with times.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 11:38 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope your week is going well. Checking in to see if you think Administrator Regan is most likely to be free for this meeting in late July or August? Please let us know if you need anything else from us at this time.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 7, 2021 12:16 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Rosemary,

I hope you are having a good week. As was discussed last month with Mike Brune and Jasmine Harrison, we'd love to set up a meeting with Administrator Regan and the new network. Do you think July is a possibility, or would August be preferred? Please let us know what is realistic when you can.

Many thanks,
Laura Bentzen

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 30, 2021 3:28 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

Bumping this up in your inbox!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, June 15, 2021 10:10 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary.

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Tuesday, June 15, 2021 7:23 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

I'll circle back today with a few times for next month.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 9, 2021 9:42 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary!

Please let us know if it is helpful for us to offer up some times as well. We would appreciate the opportunity to meet with Administrator Regan at the end of this month or beginning of next, but understand he has a busy schedule.

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, June 2, 2021 9:28 AM
To: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I don't know how this email got lost in my inbox but glad it popped up this morning. Thanks for sending this over Michael.

Hello Laura and Jasmine, I'd be happy to find some time for on the Administrator's calendar for this conversation. I'll circle back with you on timing for this conversation.

Thanks,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Michael Brune <michael.brune@sierraclub.org>
Sent: Thursday, May 20, 2021 3:05 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <Lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: Request for meeting

Rosemary,

I hope you're well. Per our conversation, we'd like to set up a conversation with Administrator Regan and the CEO's from the new environmental leadership network I mentioned to the Administrator on our last call. Below is more information about that network and an invitation and request to meet. I'm also copying Jasmine Harrison and Laura Bentzen, who helped to create this network and are staffing it currently. Thx for all your help!

Mike

Administrator Regan,

Thank you for your service.

We are leaders of a new, national environmental leadership network (not yet named) has launched to effectively break down silos and build power across the environmental movement in new and exciting ways. We are about 70 CEO's of national environmental organizations; environmental justice groups; tribal, youth, civil rights, economic justice, conservative, health and faith-based organizations; unions, state-based groups, and more, As a starting point, we aim to:

1. Create fair and equitable spaces and opportunities for engagement among leaders in order to strengthen existing relationships and build new ones;
2. Create equity of power and increase access to resources for frontline communities so that equity guides all network efforts for the sake of the broader society;
3. Create synergy and connective infrastructure among existing networks and participating organizations; and
4. Incubate, support, strengthen and organize campaigns that leverage the support and power of millions of Americans and direct it toward concrete, achievable goals.

We are incredibly grateful for your willingness to fill such a pivotal role within the new administration and champion the work that matters so much to our collective future. And to help us better understand your priorities as well as how we individually and collectively can be effective partners in advancing those priorities, we would like to invite you to join us for a virtual meeting, ideally for 45-60 minutes.

On behalf of ourselves and our membership, we thank you for your unfailing leadership and perseverance in these incredibly important fights. There is so much to do, and the first step is finding genuine and authentic ways to work together. We look forward to engaging with you and your team very soon.

Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap

Michael Brune
Executive Director
michael.brune@sierraclub.org
415-977-5662
pronouns: he, him, his
Subscribe to my blog and
on Facebook and Twitter

Message

From: Jasmine Harrison [jharrison@partnershipproject.org]
Sent: 8/10/2021 1:55:01 PM
To: Cortez Russell, Loni [Russell.Loni@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]
CC: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Laura Bentzen [lbentzen@partnershipproject.org]; Michael Brune, Sierra Club [michael.brune@sierraclub.org]
Subject: Re: Request for meeting

Hi Loni,

Yes, I could jump on a call at 1 pm ET today, 8/10. Would you like to send through a conference number?

Best,
Jasmine

From: Cortez Russell, Loni <Russell.Loni@epa.gov>
Sent: Monday, August 9, 2021 10:09 PM
To: Levy, Maxwell <Levy.Maxwell@epa.gov>
Cc: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hello Jasmine,
Great to be connected, I am Rosemary's Deputy in the Office of Public Engagement and Enviro Education. Would you be available to jump on a call to walk through the ROS and script tomorrow (Tuesday)? 11, 1 or 130p?

> On Aug 9, 2021, at 9:41 PM, Levy, Maxwell <Levy.Maxwell@epa.gov> wrote:
>
> Jasmine, thank you for all of this, it's very helpful! Also adding Loni Cortez-Russell back in, and we'll be sure to circle back if we have any questions on this.
>
> Looking forward to Wednesday,
> Max
>
> **Max Levy**
> Special Assistant
> Office of Public Engagement and Environmental Education
> U.S. EPA Office of the Administrator
> Cell: 202.815.7752 | he/him
>
> ---
>
> **From:** Jasmine Harrison <jharrison@partnershipproject.org>
> **Sent:** Monday, August 9, 2021 4:42 PM
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> **Cc:** Michael Brune, Sierra Club <michael.brune@sierraclub.org>
> **Subject:** Re: Request for meeting
>
> Good afternoon,

I hope that you all had a nice weekend. Below are our final materials for the meeting on Wednesday. Please let me know if you have any questions or concerns.

1. 8.11.21 Meeting Agenda + Script: Final version is attached with additional remarks and speaker names.
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Thanks,
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Ashley M. Morgan
Deputy Director of Scheduling and Advance
U.S. Environmental Protection Agency
Cell: (202) 909-9983

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Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
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Cell: 202.573.4614

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Jasmine

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To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: RE: Request for meeting

Hi Rosemary,

Just checking in to see if you might have an update for us. Do you still think July is a possibility or is August more realistic? I do think mid-to-late August might be best for the network since members have requested as much lead time as possible to maximize their attendance. When you are able to share times, if there is any possibility that you could provide us with two weeks' notice, we'd greatly appreciate it.

Best,
Laura

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, July 14, 2021 12:52 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Thank you!

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, July 14, 2021 12:49 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I think we can make late July or early August work. I'll circle back this with times.

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Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope your week is going well. Checking in to see if you think Administrator Regan is most likely to be free for this meeting in late July or August? Please let us know if you need anything else from us at this time.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 7, 2021 12:16 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi Rosemary,

I hope you are having a good week. As was discussed last month with Mike Brune and Jasmine Harrison, we'd love to set up a meeting with Administrator Regan and the new network. Do you think July is a possibility, or would August be preferred? Please let us know what is realistic when you can.

Many thanks,
Laura Bentzen

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 30, 2021 3:28 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

Bumping this up in your inbox!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, June 15, 2021 10:10 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary.

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Tuesday, June 15, 2021 7:23 AM
To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

I'll circle back today with a few times for next month.

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 9, 2021 9:42 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

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Please let us know if it is helpful for us to offer up some times as well. We would appreciate the opportunity to meet with Administrator Regan at the end of this month or beginning of next, but understand he has a busy schedule.

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Wednesday, June 2, 2021 9:28 AM
To: Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>
Subject: RE: Request for meeting

I don't know how this email got lost in my inbox but glad it popped up this morning. Thanks for sending this over Michael.

Hello Laura and Jasmine, I'd be happy to find some time for on the Administrator's calendar for this conversation. I'll circle back with you on timing for this conversation.

Thanks,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Michael Brune <michael.brune@sierraclub.org>
Sent: Thursday, May 20, 2021 3:05 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <Lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: Request for meeting

Rosemary,

I hope you're well. Per our conversation, we'd like to set up a conversation with Administrator Regan and the CEO's from the new environmental leadership network I mentioned to the Administrator on our

last call. Below is more information about that network and an invitation and request to meet. I'm also copying Jasmine Harrison and Laura Bentzen, who helped to create this network and are staffing it currently. Thx for all your help!

Mike

Administrator Regan,

Thank you for your service.

We are leaders of a new, national environmental leadership network (not yet named) has launched to effectively break down silos and build power across the environmental movement in new and exciting ways. We are about 70 CEO's of national environmental organizations; environmental justice groups; tribal, youth, civil rights, economic justice, conservative, health and faith-based organizations; unions, state-based groups, and more, As a starting point, we aim to:

1. Create fair and equitable spaces and opportunities for engagement among leaders in order to strengthen existing relationships and build new ones;
2. Create equity of power and increase access to resources for frontline communities so that equity guides all network efforts for the sake of the broader society;
3. Create synergy and connective infrastructure among existing networks and participating organizations; and
4. Incubate, support, strengthen and organize campaigns that leverage the support and power of millions of Americans and direct it toward concrete, achievable goals.

We are incredibly grateful for your willingness to fill such a pivotal role within the new administration and champion the work that matters so much to our collective future. And to help us better understand your priorities as well as how we individually and collectively can be effective partners in advancing those priorities, we would like to invite you to join us for a virtual meeting, ideally for 45-60 minutes.

On behalf of ourselves and our membership, we thank you for your unfailing leadership and perseverance in these incredibly important fights. There is so much to do, and the first step is finding genuine and authentic ways to work together. We look forward to engaging with you and your team very soon.

Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap

<image003.jpg>

Michael Brune
Executive Director
michael.brune@sierraclub.org
415-977-5662
pronouns: he, him, his
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on Facebook and Twitter

<8.11.21 Regan Mtg_Agenda + Script (1).docx>
<8.11.21 Network Meeting Attendees.docx>
<8.11.21 Network Meeting Co-facilitator & Guest Bios.docx>

Message

From: Jasmine Harrison [jharrison@partnershipproject.org]
Sent: 8/11/2021 8:26:24 PM
To: Morgan, Ashley [Morgan.Ashley.M@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Laura Bentzen [lbentzen@partnershipproject.org]
CC: Levy, Maxwell [Levy.Maxwell@epa.gov]; Michael Brune, Sierra Club [michael.brune@sierraclub.org]; Lance, Kathleen [Lance.Kathleen@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
Subject: Re: Request for meeting

Good afternoon, Ashley,

Can you please include the below network advisors on the call today?

Advisor	Bill Gallegos, Ex. 6 Personal Privacy (PP) Former Executive Director of Communities for a Better Environment
Advisor	Kyle Meyaard-Schaap, kyle@creationcare.org, Evangelical Environmental Network

---

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, August 4, 2021 9:17 AM
To: Morgan, Ashley <Morgan.Ashley.M@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>
Subject: Re: Request for meeting

Thank you, Ashley! I received the invitation and Laura and I will be chatting with Max later today to draft an agenda.

Have nice rest of your week,
Jasmine

From: Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Sent: Tuesday, August 3, 2021 9:50 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>
Subject: RE: Request for meeting

Hi Jasmine –

Thanks so much for this information. I have sent the calendar invitation with the zoom link out a few moments ago. If you have any questions please do not hesitate to reach out.

As for setting up a time to discuss the video-call, Rosemary Enobakhare, Loni Cortez Russell, and Max Levy will follow-up with you.

Thanks!
Ashley

Ashley M. Morgan
Deputy Director of Scheduling and Advance

U.S. Environmental Protection Agency
Cell: (202) 909-9983

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 2:24 PM
To: Morgan, Ashley <Morgan.Ashley.M@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: Re: Request for meeting

Hi Ashley,

Please see the attached. Our network is not public-facing, so I ask that you please keep this list of members very closely held.

What day this week works for your team to discuss the meeting format and agenda?

Thank you,
Jasmine

From: Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Sent: Monday, August 2, 2021 1:39 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Lance, Kathleen <Lance.Kathleen@epa.gov>
Subject: RE: Request for meeting

Hi Jasmine –

Thanks so much for confirming that Wednesday, August 11th at 4:30 pm works on your end. I am happy to send around the calendar invitation with a zoom link. Could you please provide the names, email addresses, and organizations of all attendees?

Thanks!
Ashley

Ashley M. Morgan
Deputy Director of Scheduling and Advance
U.S. Environmental Protection Agency
Cell: (202) 909-9983

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Monday, August 2, 2021 11:30 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Hi Rosemary,

Thank you! We will circulate a calendar invitation to the network so that they can get this call on their calendars. Two questions before I circulate the invitation: (1) Would you like us to send the invitation to anyone on your team? If so, can you please share their names and email addresses? (2) Could we use our regular Zoom link or would you like to send a secure Zoom link?

Best,
Jasmine

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, July 30, 2021 2:09 PM
To: Jasmine Harrison <jharrison@partnershipproject.org>; Laura Bentzen <lbentzen@partnershipproject.org>; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

Hi there,

Thanks so much for bearing with me on this. We are currently holding Wednesday, August 11th from 4:30pm – 5:15pm for this meeting. Looping in Ashley Morgan from our scheduling team to lock this in if it works for you all. Let's plan to hop on the phone next week to discuss meeting agenda and format.

Thanks again,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Friday, July 30, 2021 9:41 AM
To: Laura Bentzen <lbentzen@partnershipproject.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good morning, Rosemary,

I hope that your week hasn't been too hectic. Bumping Laura's email from last week up in your inbox.

Best,
Jasmine

From: Laura Bentzen <lbentzen@partnershipproject.org>
Sent: Wednesday, July 21, 2021 2:42 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: RE: Request for meeting

Hi Rosemary,

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Best,
Laura

From: Jasmine Harrison <jharrison@partnershipproject.org>
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To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>; Laura Bentzen <lbentzen@partnershipproject.org>
Subject: Re: Request for meeting

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Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

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Many thanks,
Laura Bentzen

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Wednesday, June 30, 2021 3:28 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Good afternoon,

Bumping this up in your inbox!

Best,
Jasmine

From: Jasmine Harrison <jharrison@partnershipproject.org>
Sent: Tuesday, June 15, 2021 10:10 AM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: Re: Request for meeting

Thank you, Rosemary.

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To: Jasmine Harrison <jharrison@partnershipproject.org>
Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
Subject: RE: Request for meeting

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Cc: Laura Bentzen <lbentzen@partnershipproject.org>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Michael Brune, Sierra Club <michael.brune@sierraclub.org>
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Subject: RE: Request for meeting

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Hello Laura and Jasmine, I'd be happy to find some time for on the Administrator's calendar for this conversation. I'll circle back with you on timing for this conversation.

Thanks,
Rosemary

Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

From: Michael Brune <michael.brune@sierraclub.org>
Sent: Thursday, May 20, 2021 3:05 PM
To: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: Laura Bentzen <Lbentzen@partnershipproject.org>; Jasmine Harrison <jharrison@partnershipproject.org>
Subject: Request for meeting

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Mike

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Best,

Dr. Georges Benjamin, Michael Brune, Melissa Gavin, Bill Gallegos, Anahí Naranjo, and Rev. Kyle Meyaard-Schaap

Michael Brune
Executive Director
michael.brune@sierraclub.org
415-977-5662
pronouns: he, him, his
Subscribe to my blog and
on Facebook and Twitter

Message

From: Cortez Russell, Loni [Russell.Loni@epa.gov]
Sent: 8/12/2021 3:36:13 PM
To: Alisha Johnson [alisha_johnson@apple.com]; Arvin Ganesan [aravinth@apple.com]; Michelle Mundy [mmundy@apple.com]; Michalos, Maria [Michalos.Maria@epa.gov]
CC: Conger, Nick [Conger.Nick@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]
Subject: CONNECTING: Speechwriters Sync - Apple

Hi Alisha and team,

Connecting Administrator Regan's speechwriter Maria Michalos, copied here, with your team. We had talked yesterday that it would be good for her and your folks to sync up regarding the Administrator and Ms. Jackson's armchair conversation.

Thank you,

Loni Cortez Russell
Deputy Associate Administrator, Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
Cell: 202-819-3990 | she/her

Message

From: Devorah Ancel [devorah.ancel@sierraclub.org]
Sent: 8/18/2021 3:28:50 AM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
CC: Mahyar Sorour [mahyar.sorour@sierraclub.org]
Subject: VLCC Crude Export Licensing - Frontline Community Follow-up
Attachments: Summary of Deepwater Port Evaluations_040921.pdf; Frontline Community Reprentatives.pdf; Sierra Club, et. al., VLCC Letter to Administration_FINAL_040521.pdf

Dear Ms. Enobakhare,

I hope this message finds you well.

I am following up on our community coalition's previous outreach regarding pending applications fo deep water port projects in the Gulf of Mexico. If approved, these facilities would allow millions of barrels (bbl) of crude oil to be extracted domestically and exported by Very Large Crude Carrier (VLCC) from the US abroad every day. For perspective, just one VLCC is approximately the size o the Empire State Building with a 2 million bbl/day capacity. We are concerned that agencies may soon begin to issue final decisions on these projects. We strongly urge this administration to deny these destructive projects as against the national interest, because they will fuel the climate- and environmental-justice crises we already face. At a minimum, agencies must conduct the detailed review and protective permitting that the law requires and communities demand, including fair and accessible community engagement involving public hearings and opportunities to submit written comment.

We recently learned from an announcement by one of Sea Port Oil Export Terminal's (SPOT) parent companies to its investors, that it anticipates that the Maritime Administration (MARAD) will soon issue the Final Environmental Impact Statement (FEIS) for the project. *See* https://www.fool.com/earnings/call-transcripts/2021/07/28/enterprise-products-partners-epd-q2-2021-earnings/. If approved, SPOT alone could export 2 million barrels of crude each day. Conservative estimates show that the SPOT project will lead to emissions of 345 million tons of carbon dioxide equivalent per year – that is the equivalent of over 89 coal plants operating each year. The most recent IPCC report concludes that every ton of carbon dioxide emitted now increases climate warming. The report makes clear that deep reductions in emissions need to happen in the next decades to avoid the worst harms. Increasing global emissions by millions of tons of carbon dioxide amounts to climate treason at a time when the U.S. must make every effort to reduce those emissions.

To make matters worse, MARAD also is considering whether to approve a deep water port license for Texas Gulflink, an equally large VLCC deep water port project that would be located in the same area as SPOT. Combined, these two projects pose a massive risk to inundated Texas communities, particularly in Brazoria and Harris County in the greater Houston area. However, SPOT and Gulflink are just two of four similarly-sized deep water port crude export facilities with applications pending before MARAD. And, there are approximately 11 onshore and offshore crude oil and liquefied natural gas export facilities with pending applications before federal agencies, all o which are located in the Gulf of Mexico - a region that has long been the nation's sacrifice zone for fossil fuel industry pollution, environmental racism and social inequities.

The massive quantities of oil and gas that would pass through the proposed export facilities would prolong fossil fuel production and transport from inland communities such as Texas' Permian Basin

and North Dakota's Bakken reservoir through the Gulf of Mexico. In fact, the quantities of oil and gas produced for the proposed export projects far exceed the total produced offshore in the Gulf of Mexico and pose significant risk of oil spill disasters and air pollutant emissions. To date, no programmatic environmental review under the National Environmental Policy Act (NEPA) or programmatic Endangered Species Act consultation have been conducted on the regional build ou of these polluting fossil fuel facilities' direct and cumulative threats to inland and coastal ecosystems, water resources, air quality and climate, federally threatened and endangered wildlife, and to the health of frontline communities located throughout the production, transport and combustion processes. Moreover, the ongoing individual project reviews fail to disclose and evaluate the full extent of impacts associated with the deep water port facilities as well as their associated onshore infrastructure and operations. And, they have failed to provide notification about the breadth of impacts to all directly impacted communities, thereby limiting opportunities for public engagement.

In April of this year, the Office of the White House Trade Representative hosted a meeting to hear directly from our coalition of frontline community and tribal leaders about the decades of environmental injustices they've endured and the urgent need for this Administration to take bold action to remedy the environmental, public health and climate disasters systematically inflicted on their communities. As we discussed, and explained in our letters to the Administration and in written technical and legal comments, these projects pose significant threats to frontline communities that would compound the burdens of existing polluting fossil fuel operations and climate disaster.

While we are encouraged by this Administration's representations regarding its commitment to equity, sustainable jobs and addressing climate change for frontline communities, we are deeply concerned that sufficient action has not been taken to ensure against irreversible climate disaster and the direct harms to impacted communities that would occur if even one of these export facilitie is licensed. There is simply no need to fuel the industry's sole purpose in advancing these projects to efficiently transport fossil fuels to the world market for profit - at the expense of the health and livelihoods of our nation's own residents. As the most recent IPCC report underscores, the build out of these export facilities would lock in fossil fuel infrastructure for decades to come, tipping our nation beyond emission level limits needed to avoid irreversible climate disaster. Notably, licensing these projects undermines the Biden Administration's commitment to tackling the climate crisis and transitioning our nation and its frontline communities to a clean and just energy future, involving the growth of sustainable local economies and jobs. Project approval runs counter to the administration's explicit directive that all federal agencies make significant reductions in greenhouse gas emissions. Now, more than ever, this Administration must make good on its promises by rejecting these climate-wrecking projects outright, and declaring that SPOT and other pending crude oil and LNG export facilities are not in the "national interest."

Please find attached:(1) an overview of MARAD's deepwater port review process and currently pending project applications; (2) a sampling of our frontline communities impacted by the proposed export projects; and (3) our coalition's April 2021 letter to the Administration detailing the litany of harms posed by exporting (and producing) oil and gas on a climate-wrecking magnitude and by doubling-down on decades of fossil fuel dependence, as these projects would do. We urge this Administration, through MARAD's licensing process, to deny the SPOT project, as well as all other pending oil and gas export facilities based on existing scientific evidence and the known impacts of these projects. Should MARAD proceed with processing the licensing applications, the agency must conduct programmatic NEPA review and Section 7 Endangered Species Act consultation, to ensure the full extent of impacts of this massive regional fossil fuel build out is disclosed and

analyzed. MARAD also must provide fair and equitable opportunities for community engagement through public hearings and written comment on the existing project reviews, and any supplementa or programmatic analyses.

We would welcome the opportunity to set up additional meetings with staff and agency decision makers at MARAD, USCG, EPA, US Army Corps, and the White House to discuss our concerns and the licensing process. Our coalition of community and environmental groups is comprised of leaders and practitioners with a wealth of background knowledge and technical expertise on these pressing issues. Please do not hesitate to contact me for additional information and to assist with introductions and organizing meetings.

Respectfully,

Devorah Ancel

On Mon, Apr 5, 2021 at 11:11 AM Devorah Ancel <devorah.ancel@sierraclub.org> wrote:

Dear Ms. Enobakhare:

On behalf of the undersigned local, regional, tribal, and national environmental and community groups directly affected by the numerous deepwater port fossil fuel export facilities proposed throughout the Gulf of Mexico, please find the attached letter and referenced exhibits expressing our grave concerns about these projects' impacts on climate, frontline communities, and our nation's ability to equitably transition to a clean and sustainable energy future.

We look forward to your response and would welcome the opportunity to further discuss the projects and pending licensing processes. Thank you for your attention to this matter.

Kind regards,
Devorah Ancel

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Devorah Ancel
Senior Attorney
Sierra Club Environmental Law Program
(415) 845-7847
devorah.ancel@sierraclub.org

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Summary of Deepwater Port Evaluations
for the
Executive Office of the President
Office of the U.S. Trade Representative

Deepwater Port Act Licensing and Other Statutory Reviews

Pursuant to the Deepwater Port Act (DWPA), the Maritime Administration (MARAD), under the Secretary of Transportation, has jurisdiction over review and licensing of proposed deepwater port facilities located beyond the U.S. territorial seas for the import and export of oil and natural gas. This includes licensing over ownership, construction, operation, and decommissioning of proposed facilities. MARAD shares many of its DWPA duties, including consultation and environmental review of proposed projects, jointly with the U.S. Coast Guard (USCG).

The DWPA sets out detailed procedures and requirements for licensing deepwater port facilities. Specifically, MARAD must ensure that the facilities' construction and operation use "best available technology" to prevent and minimize adverse impacts on the marine environment. MARAD and USCG, in cooperation with other federal agencies, must conduct environmental review of the proposed facilities consistent with National Environmental Policy Act (NEPA) requirements. The applicant must demonstrate consistency with the Coastal Zone Management Plan of the Adjacent Coastal States pursuant to the Coastal Zone Management Act (CZMA). Applicants must demonstrate that they are financially able to construct, own and operate the deepwater port, and they must guarantee that they are capable of covering all costs for complete removal of all deepwater port components upon revocation or termination of the license or facility. They also must be able to meet all the relevant requirements of the Oil Pollution Act of 1990, in the event of a spill incident. Ultimately, in licensing a proposed deepwater port oil/gas export facility, MARAD must make a determination that the facility's construction and operation is in the "national interest" and is "consistent with national security, energy sufficiency, environmental quality and other national policy goals and objectives."

The DWPA sets a specific license application review timeline of 330 days from the date the completed application is published in the Federal Register, within which it must approve or deny projects. During this timeframe, MARAD must receive and review relevant information from the applicant to conduct the required DWPA and NEPA reviews. MARAD and USCG may suspend regulatory licensing timelines to obtain additional information/analyses from project applicants, and in fact MARAD and the USCG almost always suspend the timeline to ensure adequate time to comply with the review requirements and seek missing information from the applicant. MARAD must hold a final public hearing on the project's review in each adjacent coastal state, and Governors of the affected states must approve the project prior to licensing. MARAD also receives information from participating agencies that it must assess in its Record of Decision and in making its ultimate national interest determination. Other participating agencies include EPA (for review and issuance of Clean Air Act Prevention of Significant Deterioration and Title V permits), U.S. Army Corps (for issuance of Clean Water Act Section 404

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permits for discharge of dredge/fill material in U.S. waters), National Marine Fisheries Services and U.S. Fish & Wildlife Services (for completion of Endangered Species Act Section 7 consultation on impacts to federally listed species).

In December 2015, Congress lifted the ban on crude oil exports. Beginning in 2019, oil and gas companies submitted a series of applications in quick succession under the DWPA to construct several deepwater terminals along the coast of Texas to export enormous quantities of crude oil and LNG. Each of the terminal applications propose projects that are independently massive in scope, size, and capacity. They each represent huge threats to the local communities on the Texas coast, to the environment and economy of the entire Gulf Coast region, and to achieving our national climate goals.

Proposed Deepwater Port Fossil Export Facilities Currently Under Review

Bluewater (crude oil export)
Applicant – Bluewater Texas Terminals LLC
Application Deemed Complete: June 20, 2019
Capacity - 1.92 million barrels of oil per day (MMbbl/d)
Location – approximately 15 miles off the coast of San Patricio County, near Corpus Christi and Port Aransas, Texas with onshore components
License Review Status – The statutory timeline was suspended with a request to the applicant for outstanding information on November 7, 2019, and then reinstated on January 8, 2021. Environmental/community scoping comments on the application and NEPA review are available here. A Draft Environmental Impact Statement (DEIS) has yet to be issued and no final public hearing has been held. EPA issued CAA draft permits for which public comment period was held. Legal and technical comments submitted by the environmental/community group coalition on the draft air permits can be found here. In its air permits, Bluewater is seeking exemption from installing any pollution controls for its massive emissions of volatile organic compounds (VOCs) and air toxics, like benzene.

GulfLink (crude oil export)
Applicant – Texas GulfLink LLC
Application Deemed Complete: June 26, 2019
Capacity – up to 2 MMbbl/d
Location – approximately 30 miles off the coast of Brazoria County, near Freeport, Texas with onshore components
License Review Status – License timeline was suspended on November 8, 2019, reinstated on April 27, 2020, suspended on September 15, 2020, and reinstated again on November 10, 2020. More than 400 days have passed since the application was deemed complete, during which the application remained active, and so the DWPA licensing timeline has expired. The DEIS and a draft CWA 404 permit were issued with public comment periods. Legal and technical comments submitted by the environmental/community group coalition regarding project impacts and agency analyses can be found here. The Final Environmental Impact Statement (FEIS) has not been issued and a final public hearing has not yet been held.

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Sea Port Oil Terminal (SPOT) (crude oil export)
Applicant – SPOT Terminal Services LLC
Application Deemed Complete: February 22, 2019
Capacity – 2 MMbbl/d
Location – approximately 30 miles off the coast of Brazoria County, near Freeport and Surfside Beach, Texas, with onshore components
License Review Status – The license timeline was suspended on May 31, 2019, reinstated on October 23, 2019, reinstated on February 5, 2020, and reinstated on February 8, 2021. On February 20, 2021, the DWPA licensing timeline expired. The DEIS and CWA 404 draft permit were issued with public comment periods. Legal and technical comments submitted by the environmental/community group coalition regarding project impacts and agency analyses can be found here. To date, the final Environmental Impact Statement (FEIS) has not been issued and the final public hearing process has not been held.

Blue Marlin (crude oil export)
Applicant – Blue Marlin Offshore Port LLC
Application Deemed Complete: October 22, 2020
Capacity – 1.92 MMbbl/d
Location – approximately 99 miles off Cameron Parish, Louisiana coast, with onshore components near Port Arthur, Texas, and a pipeline route that spans both states.
License Review Status – NEPA scoping comment period held in December 2020. Scoping comments submitted by the environmental/community group coalition regarding project impacts and agency analyses can be found here.

West Delta LNG (liquified national gas export)
Applicant – West Delta LNG LLC
Application Deemed Complete: September 18, 2019
Capacity – 900 million standard cubic feet per day
Location – approximately 11 miles off Plaquemines Parish, Louisiana coast
License Review Status – NEPA scoping period completed. Regulatory timeline suspended on December 12, 2019 for applicant to submit additional information/analysis and timeline remains suspended.

To date, no programmatic review of the proposed Gulf of Mexico deepwater port oil and gas export facilities has been completed. As comments submitted by the community and environmental coalition provide, the existing individual project reviews fail to disclose and evaluate the full extent of the proposed deepwater port fossil fuel export project impacts. Reinstatement of expired or short remaining licensing timelines must not lead to abbreviated or truncated project review. Further environmental and national interest reviews pursuant to NEPA, CWA, CAA, ESA and DWPA must provide adequate time to obtain and analyze necessary information to thoroughly review the projects' potentially devastating effects on directly impacted communities and ecosystems, and evaluate their significant contributions to the climate crisis, both individually and on a programmatic scale.

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As the coalition of community and environmental groups lays out, the significant adverse impacts that the proposed facilities would have on the environment, climate, and disproportionately affected frontline communities justifies denial of the projects. Exporting oil and gas on a climate-wrecking magnitude, and locking in fossil fuel dependence for decades to come, is not in the national interest and undercuts this Administration's ambitious goals to tackle the climate crisis, lift up our most vulnerable frontline communities, and transition to a clean, sustainable energy future.

More detail on project impacts and licensing processes is available here.

Coalition contact:
Devorah Ancel, Senior Attorney
Sierra Club
devorah.ancel@sierraclub.org
(415) 845-47847

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Community/Environmental Coalition Meeting with USTR
Frontline Community Speakers
April 20, 2021

Juan Mancias
Floresville, TX
Chairman, Carrizo Comecrudo Tribe of Texas
juanmancias@carrizocomedcrudonation.com

Juan B Mancias is the Tribal Chairman of the Carrizo Comecrudo Tribe of Texas. He is the eldest born to a lineage of hereditary chiefs of the Carrizo-Comecrudo. He has worked alongside the Sierra Club to protect wildlife and his ancestral lands, organize marches against Dos Republicas Coal mine, and initiate two inter-tribal organizations that are still thriving today. Currently, he is building resistance to numerous LNG and crude oil export projects in the Rio Grande Valley and along the Texas Gulf Coast planned throughout Carrizo tribal territories as well as border wall construction, assisting asylum refugees, and reclaiming and protecting his tribe's ancestral lands. Juan is a protector of the true Texas people's lifeways and works actively to decolonize both tribal people and others.

Love Sanchez
Corpus Christi, Tx
Indigenous People of the Coastal Bend
361-558-2945
IndigneousPeopleCoastalBend@gmail.com

Love Sanchez is a part of the Karankawa clan in Corpus Christi Texas and a founding member of an intertribal group called Indigenous People of the Coastal Bend. In 2016, some of their members met while protesting against water contamination from the oil industry that resulted in 18 months of off and on water boils. In 2018, the indigenous circle received a proclamation, which proclaimed October 25th, 2018, Indigenous Tribes of the Coastal Bend. They then utilized the name and created a small grassroots group that fights for indigneous rights and protection of the environment. In 2019, they petitioned the city to change Columbus Day to Indigenous Peoples Day and now every 2nd Monday of October is proclaimed as such. Since their conception, they have networked and made lots of connections throughout the state and across the nation with other indigneous and environmental groups. In 2020, they now have a strong collective of indigenous people in the Corpus Christi area.

Demographics of Corpus Christi - Corpus Christi is a city of 327,000 people, 62% of which are hispanic and latino and 4% African American. Only 22% of Corpus Christi residents have a bachelor's degree (far below the national average of 32%) and 20% lack health insurance. The median household income is $56,000 but 16% of Corpus residents live under the poverty line (the national median household income in 2019 was $69,000 and the rate of poverty is 10.5%). (US Census Data)

DATA THAT MAY BE OF INTEREST:

Large VLLC's and dredging is damaging.

Oil Industry 19th place as employers in the Corpus Christi Area.

Oil industry has pushed out entire brown and black communities

Oil industry has killed workers multiple times

Link connection to workers

Lives of residents

John Beard
Director
Port Arthur Community Action Network (PACAN)
Port Arthur, TX
Ex. 6

John Beard, of Port Arthur, TX, is the Founder and CEO of the Port Arthur Community Action Network. John has been fighting for decades to improve the quality of life for his community, which has one of the highest rates of cancer in the nation, and continues working to offset the devastating impacts of air, water pollution from fossil fuel refining.

He is very active in addressing climate change issues that adversely impact his community due to increased storms, poor maintenance of infrastructure in fenceline communities near industry, which now faces the extreme burden of LNG and petrochemical expansions and the Blue Marlin Crude oil export terminal planned for his environmental justice community.

Demographics of Port Arthur - The population of Port Arthur is predominately people of color. African Americans make up nearly 40% of the city's 54,000 residents, while Hispanics and Latinos account for 35%. Less than 12% of the residents of Port Arthur have a bachelor's degree or higher (national average is 32%), and 33% of the population do not have health insurance. The median household income in Port Arthur is under $37,000 and more than 27% of the population lives under the poverty line (the national median household income in 2019 was $69,000 and the rate of poverty is 10.5%) (US Census data) Despite all of the oil refineries, LNG plants, and other oil and gas industry infrastructure, Port Arthur has the second highest rate of unemployment in Texas.

Melanie Oldham
Freeport, TX
Resident
Ex. 6

Melanie Oldham has been a health care professional in Texas for 38 years and has seen firsthand the impacts of industrial air pollution on people in her community. Her twins developed asthma. Freeport struggles with ozone nonattainment as it is surrounded by the largest Petrochemical Complex in the nation and growing oil and gas infrastructure including LNG and oil export projects. Melanie founded Clean Air and Clean Water for Freeport and Brazoria county, is on the Houston Sierra Club Executive Committee and the Freeport Planning Commission, and has been a tireless advocate for public health and clean air for decades.

Message

From: Peter Zalzal [pzalzal@edf.org]
Sent: 9/8/2021 10:46:54 PM
To: Regan, Michael [Regan.Michael@epa.gov]; Utech, Dan [Utech.Dan@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Lucey, John [Lucey.John.D@epa.gov]; McCabe, Janet [McCabe.Janet@epa.gov]; Goffman, Joseph [Goffman.Joseph@epa.gov]; Tsirigotis, Peter [Tsirigotis.Peter@epa.gov]; Hoffer, Melissa [Hoffer.Melissa@epa.gov]; Culligan, Kevin [Culligan.Kevin@epa.gov]; Cozzie, David [Cozzie.David@epa.gov]
CC: Rosalie Winn [rwinn@edf.org]; Jon Goldstein [jgoldstein@edf.org]
Subject: Community, Health, Tribal, and Environmental Letter Supporting Protective EPA New and Existing Source Standards for Oil and Gas Methane
Attachments: Community, Health, Tribal, and Environmental Group Letter to EPA re Methane 9.8.2021FINAL.pdf

Dear Administrator Regan:

We greatly appreciate the Environmental Protection Agency's commitment to issuing methane standards for new and existing sources and have attached a letter from 72 community, health, Tribal, and environmental organizations respectfully urging EPA to move forward with protective and comprehensive safeguards to reduce pollution from these sources. The attached letter also identifies some important opportunities to reduce this pollution from new and existing sources, building from the actions of leading states and including new and innovative solutions to find and fix methane leaks. Thank you again for your commitment to reduce climate and health harming pollution from the oil and gas sector, and we would be happy to discuss any of these opportunities in greater detail.

Best wishes,

Peter Zalzal

Peter Zalzal

Environmental Defense Fund
2060 Broadway, Suite 300
Boulder, CO 80302
T 303 447 7214
C 303 946 0907
pzalzal@edf.org
edf.org

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September 8, 2021

Administrator Michael Regan
Environmental Protection Agency
Office of the Administrator, Mail Code 1101A
1200 Pennsylvania Ave. NW
Washington DC 20460

Dear Administrator Regan:

We greatly appreciate the Environmental Protection Agency's commitment to address methane emissions from the oil and gas sector, and we respectfully urge you to adopt protective methane standards for these sources that include comprehensive coverage for both new and existing sources and address all significant sources of emissions. Protective standards must include no carveouts, and must secure the substantial, science-based pollution reductions needed to help address the climate crisis and to ensure healthy communities.

We are in the midst of another summer during which families and communities throughout the country are experiencing the deeply harmful impacts of climate change—from the devastation that Hurricane Ida wrought for families and communities across the Gulf Coast, New York and New Jersey to the tragic fires across the western United States and extreme heat that has impacted communities across the country. The recently released Intergovernmental Panel on Climate Change (IPCC) Report underscores the urgent need for swift, protective action to reduce methane emissions, a necessary step toward mitigating these harmful impacts and limiting warming to 1.5 degrees Celsius above pre-industrial temperatures.[1] Methane, the main component of natural gas, is a potent climate pollutant and human-caused methane emissions are responsible for at least 25% of the warming we are experiencing today.[2] There is now more methane in the atmosphere than any time in the last 800,000 years, with concentrations increasing at an alarming rate since 2007, in significant part because of fossil fuel production.[3]

Immediately deploying all feasible mitigation measures across sectors could cut methane pollution in half by 2030, slowing climate change and avoiding up to a quarter degree of warming by

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[1] Intergovernmental Panel on Climate Change, *Sixth Assessment Report, Climate Change 2021: The Physical Science Basis, Summary for Policymakers*, https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM.pdf

[2] Intergovernmental Panel on Climate Change, *Fifth Assessment Report, Climate Change 2013: The Physical Science Basis, Chapter 8SM – Anthropogenic and Natural Radiative Forcing – Supplementary Material*, https://www.ipcc.ch/report/ar5/wg1/chapter-8sm-anthropogenic-and-natural-radiative-forcing-supplementary-material/

[3] Intergovernmental Panel on Climate Change, *Sixth Assessment Report, Climate Change 2021: The Physical Science Basis, Technical Summary*, TS-35, https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_TS.pdf

midcentury.[4] And studies have shown that innovative standards can support good-paying jobs in the growing methane mitigation industry while delivering deep emission reductions.[5]

As we transition from the unabated use of fossil fuels to cleaner forms of energy, stopping methane leaks from the oil and gas sector is one of the fastest and most cost-effective ways to reduce pollution and slow warming, and it is essential to meet the administration's science-based climate commitments.

Reducing this pollution is also necessary to protect communities on the frontlines of oil and gas development. Methane leaks from oil and gas equipment are emitted alongside hazardous air pollution, including human carcinogens, and volatile organic compounds that contribute to smog and lead to a wide range of harmful health impacts, including asthma attacks, heart attacks, and early death. Negative health effects from air pollution and climate change are felt most severely by vulnerable populations like children, the elderly, low-income people, and communities of color.

In a recent bi-partisan action that was supported by public health advocates, environmental groups, oil and gas operators, and major utilities, Congress restored oil and gas methane protections put in place by the Obama administration. That action creates an important foundation for EPA to move forward with protective, science-based standards for both new and older sources that build from and strengthen those prior standards. In particular, since the 2016 standards were adopted, technology has advanced and major oil and gas producing states have pioneered new and innovative approaches to reducing methane emissions. Strengthened EPA standards must incorporate these advances by:

- *Enhancing comprehensive requirements to find and fix leaks.* Significant oil and gas emissions come from leaks and equipment failures, which can lead to very large "super-emitter" events. EPA should build on its current standards by requiring more frequent monitoring, enabling operators to quickly identify and fix these large sources of pollution. Indeed, advanced technologies can play an important role in regularly scanning large areas at low cost to capture major leaks. And frequent ground-based monitoring is needed to detect small but widespread leaks. Rigorous monitoring requirements that reduce emissions by 80 to 90 percent (consistent with EPA estimates for quarterly to monthly inspections) must apply comprehensively across *all* facilities.[6] This includes low-production wells, which have been shown to leak at high rates (including at super-emitter levels) and contribute over half of the nation's methane emissions. These wells comprise the majority of the nation's fleet of wells but just a very small percentage of the nation's

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[4] Ocko, et al., *Acting rapidly to deploy readily available methane mitigation measures by sector can immediately slow global warming*, 16 Env. Research Letters 054042 (2021), https://doi.org/10.1088/1748-9326/abf9c8

[5] Datu Research, *Find, Measure, Fix: Jobs in the U.S. Methane Emissions Mitigation Industry* (2021); Datu Research, *Advanced Methane Monitoring: Gauging the Ability of U.S. Service Firms to Scale Up* (2021), http://blogs.edf.org/energyexchange/files/2021/08/Advanced-Methane-Monitoring-Survey_Datu-Research_8-10-2021.pdf

[6] Multiple presenters at EPA's Methane Detection Technology Workshops, held August 23-24, 2021, indicated that advanced technologies in combination with traditional ground-based methods are capable of delivering reductions in this range. For example, Triple Crown Resources saw a 90% drop in emission volumes by its third aerial survey. Similarly, ExxonMobil was able to achieve greater than 60% reductions with only three aerial surveys per year.

oil and gas production, and most are owned by larger companies with profits that dwarf the compliance costs of even the most protective regulations.

- *Leveraging technologies that can eliminate emissions*. Requiring zero-emitting pneumatic devices is another effective pollution mitigation practice that states like Colorado have found cost-effective for both new and existing sources. These technologies are readily available and can be deployed across the sector regardless of the availability of onsite electricity, achieving significant emission reductions at low cost.

- *Ending routine flaring.* Flaring is a wasteful practice and a large source of methane, carbon dioxide, nitrous oxide, volatile organic compound, and hazardous air pollution. Capturing natural gas that would otherwise be vented or flared reduces significant amounts of pollution and even generates revenue for operators. Eliminating the practice of routine flaring, as leading states like Colorado and New Mexico have done, is a common-sense step that EPA can and must take now.

- *Applying best practices to all sources.* We also urge EPA to ensure that new standards address polluting activities not previously covered by EPA rules. For instance, in addition to strengthening requirements for sources already covered under the existing EPA safeguards, new standards should also limit emissions from liquids unloading activities and prevent wells from becoming improperly abandoned when they are no longer profitable to the operator. Proper shutdown and plugging requirements for retired wells can ensure these sources do not leak into perpetuity and will prevent closure costs from falling to taxpayers.

- *Enhancing transparency.* Emissions and compliance data must be regularly updated and available in a transparent and easy-to-use public format. Advanced technologies create important, additional opportunities for swift reporting and rapid disclosure. Data transparency can help foster compliance and build the public's trust.

Thank you again for your commitment to reduce climate and health harming pollution from the oil and gas sector. As your agency moves to strengthen emission control requirements for new oil and gas facilities and address existing sources, we respectfully urge you to adopt standards that substantially reduce methane and local air pollution, including protective standards for these key sources. Protective EPA rules that capitalize on readily available means to reduce methane and other pollution are common-sense and required to avoid the worst impacts of climate change and protect frontline communities.

Sincerely,

Air Alliance Houston

Center for Civic Policy

Center for Human Rights and Environment (CHRE)

Citizens Caring for the Future, Permian Basin

Citizens for Clean Air, Grand Junction, CO

Clean Air Council

Clean Air Task Force

Clean Water Action

Climate Action Lower Merion, PA

Climate Advocates Voces Unidas (CAVU)

Conservation Colorado

Conservation Voters of Pennsylvania

Conservation Voters of New Mexico

Dakota Resource Council

Defend Our Future

Diné C.A.R.E.

Earthjustice

Earthworks

Environment Texas

Environmental Defense Fund

Environmental Law & Policy Center

Evangelical Environmental Network

Grand Canyon Trust

Green America

Health Action New Mexico

Hispanics Enjoying Camping, Hunting, and the Outdoors (HECHO)

Institute for Governance and Sustainable Development

Interfaith Power & Light

League of Conservation Voters

Liveable Arlington

Mobilify Southwestern Pennsylvania

Moms Clean Air Force

Mormon Environmental Stewardship Alliance

Mountain Mamas

National Parks Conservation Association

Natural Resources Defense Council

NAVA Education Project

New Mexico Environmental Law Center

New Mexico Interfaith Power and Light

New Mexico Voices for Children

Ohio Environmental Council

Partnership for Responsible Business

PennEnvironment

Philadelphia Solar Energy Association

Physicians for Social Responsibility

Physicians for Social Responsibility Pennsylvania

ProgressNow

ProgressNow New Mexico

Rio Grande International Study Center

Rocky Mountain Farmers Union

San Juan Citizens Alliance

Santa Fe Green Chamber of Commerce

Seeding Sovereignty

Sierra Club

Socially Responsible Investment Coalition

Southern Oregon Climate Action Now (SOCAN)

SWPA Environmental Health Project

Tarrant Coalition for Environmental Awareness

Texas Campaign for the Environment

Texas NAACP

The Center for Coalfield Justice

The Wilderness Society

Turtle Island Restoration Network

United Methodist Women

Waterkeeper Alliance

Western Colorado Alliance

Western Environmental Law Center

Western Leaders Network

Western Organization of Resource Councils

Wyoming Outdoor Council

350 New Mexico

350 Santa Fe

Message

From: McCabe, Janet [McCabe.Janet@epa.gov]
Sent: 9/14/2021 12:58:28 PM
To: Kerry Wilson [kwilson@salesforce.com]
CC: Atkinson, Emily [Atkinson.Emily@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
Subject: RE: Request for Meeting

Hi Kerry—it's not a question of interest, but rather that my calendar is very challenging. I also understand that you have met with Rosemary and that the Administrator has met with others from the company, and I'm pleased that we have had those conversations.

Janet

From: Kerry Wilson <kwilson@salesforce.com>
Sent: Monday, September 13, 2021 10:54 AM
To: McCabe, Janet <McCabe.Janet@epa.gov>
Subject: Re: Request for Meeting

Hi Janet,

Happy Monday! I wanted to follow up and share that I was told by your scheduler that you were no longer interested in meeting with Salesforce? We recently participated in a great round table event with Admin. Regan, not sure if you were part of the meeting or not, but we are still very interested in partnering with you and your administrative team around a number of areas, Environmental Justice and Sustainability to start. As an organization, we are very passionate about EPA and how we can help your organization. Please let me know if you are still interested in meeting as we would love to partner with you. Thanks!

Regards,

Kerry Wilson
Strategic Account Executive
Salesforce Federal Civilian
Cell: 571-471-7484
Email: kwilson@salesforce.com

On Thu, Jul 8, 2021 at 9:27 PM McCabe, Janet <McCabe.Janet@epa.gov> wrote:

> Hi Kerry—thanks for the note, and I am copying Emily and Andrea, who can work with you on this.

Janet

From: Kerry Wilson <kwilson@salesforce.com>
Sent: Thursday, July 8, 2021 9:24 AM
To: McCabe, Janet <McCabe.Janet@epa.gov>
Subject: Request for Meeting

Hi Janet,

I would like to request a meeting with you to discuss the partnership between EPA and Salesforce. My Executive VP, Suzanne DiBianna was part of the roundtable event last month with you and Administrator Regan. We are very passionate about EPA and all that your administration is doing and would love to meet to discuss a public-private partnership. We have been working with Ed Messina in OCSPP with their digital strategy to reduce the manual processes and allowed scientists to focus on their work and we would love to work with your administration around Environmental Justice and Sustainablity efforts. Please let me know who I can work with to best find time on your calendar. Thank you!

Regards,

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

Message

From: Kerry Wilson [kwilson@salesforce.com]
Sent: 9/14/2021 1:10:07 PM
To: McCabe, Janet [McCabe.Janet@epa.gov]
CC: Atkinson, Emily [Atkinson.Emily@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]
Subject: Re: Request for Meeting

Hi Janet

I can only imagine how busy your schedule is, especially with the new infrastructure bill upon us. My Senior Executives have loved the round table events they have had so far with EPA however, they are hoping to have more of an one on one, Salesforce/EPA discussion. Hopefully we will be able to find the time on your calendar in the coming months to engage in discussion on how we can better partner with EPA and your administration. Looking forward to potential having that conversation. Thanks!

On Tue, Sep 14, 2021 at 8:58 AM McCabe, Janet <McCabe.Janet@epa.gov> wrote:

> Hi Kerry—it's not a question of interest, but rather that my calendar is very challenging. I also understand that you have met with Rosemary and that the Administrator has met with others from the company, and I'm pleased that we have had those conversations.
>
> Janet
>
> **From:** Kerry Wilson <kwilson@salesforce.com>
> **Sent:** Monday, September 13, 2021 10:54 AM
> **To:** McCabe, Janet <McCabe.Janet@epa.gov>
> **Subject:** Re: Request for Meeting
>
> Hi Janet,
>
> Happy Monday! I wanted to follow up and share that I was told by your scheduler that you were no longer interested in meeting with Salesforce? We recently participated in a great round table event with Admin. Regan, not sure if you were part of the meeting or not, but we are still very interested in partnering with you and your administrative team around a number of areas, Environmental Justice and Sustainability to start. As an organization, we are very passionate about EPA and how we can help your organization. Please let me know if you are still interested in meeting as we would love to partner with you. Thanks!
>
> *Regards,*

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

On Thu, Jul 8, 2021 at 9:27 PM McCabe, Janet <McCabe.Janet@epa.gov> wrote:

Hi Kerry—thanks for the note, and I am copying Emily and Andrea, who can work with you on this.

Janet

From: Kerry Wilson <kwilson@salesforce.com>
Sent: Thursday, July 8, 2021 9:24 AM
To: McCabe, Janet <McCabe.Janet@epa.gov>
Subject: Request for Meeting

Hi Janet,

I would like to request a meeting with you to discuss the partnership between EPA and Salesforce. My Executive VP, Suzanne DiBianna was part of the roundtable event last month with you and Administrator Regan. We are very passionate about EPA and all that your administration is doing and would love to meet to discuss a public-private partnership. We have been working with Ed Messina in OCSPP with their digital strategy to reduce the manual processes and allowed scientists to focus on their work and we would love to work with your administration around Environmental Justice and Sustainablity efforts. Please let me know who I can work with to best find time on your calendar. Thank you!

Regards,

Kerry Wilson

Strategic Account Executive

Salesforce Federal Civilian

Cell: 571-471-7484

Email: kwilson@salesforce.com

--
Kerry Wilson
Strategic Account Manager
571-471-7484

Message

From: Cisar, Elizabeth [Cisar.Elizabeth@epa.gov]
Sent: 9/29/2021 8:26:10 PM
To: Julian Gonzalez [jgonzalez@earthjustice.org]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Penman, Crystal [Penman.Crystal@epa.gov]
CC: snovak@earthjustice.org; eolson@nrdc.org; Fox, Radhika [Fox.Radhika@epa.gov]; croper@nrdc.org; Aguirre, Janita [Aguirre.Janita@epa.gov]
Subject: RE: Scheduling a LCR community follow-up to the EPA roundtables

Hi Julian:
I'd be happy to find a time to meet to help develop an agenda for the meeting.

I've moved Radhika to bcc to save her email box from back and forth.

Let me know when it might work for you to meet. I've copied my colleague, Crystal Penman, who can help with finding a time.

Looking forward to it.

Elizabeth Cisar
Cisar.Elizabeth@epa.gov
Phone: (202)-564-4382; Cell: 202-507-1910

From: Fox, Radhika <Fox.Radhika@epa.gov>
Sent: Wednesday, September 29, 2021 3:11 PM
To: Julian Gonzalez <jgonzalez@earthjustice.org>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: snovak@earthjustice.org; eolson@nrdc.org; croper@nrdc.org; Aguirre, Janita <Aguirre.Janita@epa.gov>; Cisar, Elizabeth <Cisar.Elizabeth@epa.gov>
Subject: RE: Scheduling a LCR community follow-up to the EPA roundtables

Hi Julian:

Good to hear from you. I would welcome the opportunity for such a meeting.

I am copying Janita to help find a time, and Elizabeth Cisar to work with you on the agenda and meeting format

Radhika

From: Julian Gonzalez <jgonzalez@earthjustice.org>
Sent: Wednesday, September 29, 2021 10:33 AM
To: Fox, Radhika <Fox.Radhika@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Cc: snovak@earthjustice.org; eolson@nrdc.org; croper@nrdc.org
Subject: Scheduling a LCR community follow-up to the EPA roundtables

Dear Assistant Administrator Fox,

Thank you and the agency for setting up the helpful community roundtables on LCR reforms! Several of the participants in those roundtables (such as representatives from Highland Park Human Rights Commission, Milwaukee's Freshwater for Life Action Coalition, and Pittsburgh's Women for a Healthy Environment) and a few other partners such as WE ACT

and NAACP, would like to have a meeting with you to discuss lead in drinking water during this critical stretch of potential further revision to the LCR.

These partners, having discussed and reflected on their different experiences with the roundtables, and now in light of recent events like Benton Harbor and Clarksburg and elsewhere, want to ensure that you personally receive an unfiltered view of their perspective on the impact—and lack of impact—of the LCR and the revisions under consideration. Both communities are examples of situations where the revised LCR would fail to protect these communities. Our partners would consider this meeting a natural follow up to the roundtables that would be mutually beneficial.

Given the time-sensitive nature of these issues (EPA has stated it will announce whether there will be changes to the LCR revisions on December 16), our partners would like to meet with you within the next two weeks if possible or shortly thereafter. They envision a manageable group of participants, consisting of one person from each roundtable plus a small number of representatives from other groups. We are happy to do the legwork of coordinating the community groups and partners to make this easier for EPA and for you in particular. We agree with our partners that such a session would be invaluable, not only for the potential development of further revisions to the LCR, but also for ensuring that community members have more confidence in the process.

We look forward to working with you and Rosemary to set this up. Happy to chat by phone if that is easier, too.

Thanks,
Julian

Julian Gonzalez, Esq.
Legislative Counsel
Pronouns: He/Him/His

EARTHJUSTICE
1001 G St NW, NW, 10th floor
Washington, DC 20001
Phone (C): 646.316.5035
Email: jgonzalez@earthjustice.org

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Message

From: scheduling [scheduling@epa.gov]
Sent: 10/4/2021 9:50:33 PM
To: lizpurchia@hsph.harvard.edu
CC: Conger, Nick [Conger.Nick@epa.gov]; Hamilton, Lindsay [Hamilton.Lindsay@epa.gov]; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
Subject: RE: Hello! Invite for Admin. Regan for Oct. 21
Attachments: 2021 02 09 EPA Event Information Form Template.docx

Hi Liz –

Thank you for reaching out with your request. To help us review your request, could you please fill out the attached form and return to us at your earliest convenience?

Thank you,

Scheduling Team
Office of Administrator Michael S. Regan
scheduling@epa.gov

From: Purchia, Liz <lizpurchia@hsph.harvard.edu>
Sent: Thursday, September 30, 2021 10:05 AM
To: Hamilton, Lindsay <Hamilton.Lindsay@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
Subject: Hello! Invite for Admin. Regan for Oct. 21

Hello! How are you both doing? I think about you guys often. I was emailing with Alisha Johnson yesterday. The EPA comms crew has to stick together!

I'm reaching out with an invite for Administrator Regan. We'd love to have him give either a **live or recorded 4–5-minute keynote address on Oct. 21 sometime between 12-1:30 PM** for the launch of the 2021 Lancet Countdown U.S. brief, an annual report tracking progress on climate and health. It's part of a global report on climate and health that will come out on the same day.

The report usually gets widespread media attention and this year's event could provide a great opportunity in the lead up to COP26 to showcase the Biden administration's climate goals and commitments to health and equity.

Attached is the formal invitation.

Some of last year's speakers included Gina, Dr. Katharine Hayhoe, Dr. Howard Koh – the former Assistant Secretary for Health for the U.S. Department of Health and Human Services, and former U.S. Surgeon General Richard Carmona.

Happy to answer any questions.

Liz

Liz Purchia / Communications Director
Center for Climate, Health, and the Global Environment
Harvard T.H. Chan School of Public Health (Harvard Chan C-CHANGE)
315-794-6943
lizpurchia@hsph.harvard.edu
(She/Her/Hers)

For stories of climate hope and action, subscribe to *The Climate Optimist* newsletter: https://hsph.me/ClimateOptimist

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Message

From: Purchia, Liz [lizpurchia@hsph.harvard.edu]
Sent: 10/5/2021 4:08:22 PM
To: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; scheduling [scheduling@epa.gov]
CC: Conger, Nick [Conger.Nick@epa.gov]; Hamilton, Lindsay [Hamilton.Lindsay@epa.gov]; Levy, Maxwell [Levy.Maxwell@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]
Subject: Re: Hello! Invite for Admin. Regan for Oct. 21
Attachments: 2021 02 09 EPA Event Information FormLancetCountdown2021.docx

Hi All - Please see attached with the form that has been filled out.

If you need anything else, please let me know,.

Thanks for considering this event!

Liz Purchia / Communications Director
Center for Climate, Health, and the Global Environment
Harvard T.H. Chan School of Public Health (Harvard Chan C-CHANGE)
315-794-6943
lizpurchia@hsph.harvard.edu
(She/Her/Hers)

For stories of climate hope and action, subscribe to *The Climate Optimist* newsletter: https://hsph.me/ClimateOptimist

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From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Monday, October 4, 2021 7:57 PM
To: Purchia, Liz <lizpurchia@hsph.harvard.edu>; scheduling <scheduling@epa.gov>
Cc: Conger, Nick <Conger.Nick@epa.gov>; Hamilton, Lindsay <Hamilton.Lindsay@epa.gov>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>
Subject: RE: Hello! Invite for Admin. Regan for Oct. 21

Liz Purchia! How are you? It's so wonderful to see your name in my inbox!

From: Purchia, Liz <lizpurchia@hsph.harvard.edu>
Sent: Monday, October 4, 2021 7:10 PM
To: scheduling <scheduling@epa.gov>
Cc: Conger, Nick <Conger.Nick@epa.gov>; Hamilton, Lindsay <Hamilton.Lindsay@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>
Subject: Re: Hello! Invite for Admin. Regan for Oct. 21

Will do. We'll send it back tomorrow. Thanks!

Hi Rosemary!

From: scheduling <scheduling@epa.gov>
Sent: Monday, October 4, 2021 4:50:33 PM
To: Purchia, Liz <lizpurchia@hsph.harvard.edu>
Cc: Conger, Nick <Conger.Nick@epa.gov>; Hamilton, Lindsay <Hamilton.Lindsay@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Levy, Maxwell <Levy.Maxwell@epa.gov>; Cortez Russell, Loni

<Russell.Loni@epa.gov>
Subject: RE: Hello! Invite for Admin. Regan for Oct. 21

Hi Liz –

Thank you for reaching out with your request. To help us review your request, could you please fill out the attached form and return to us at your earliest convenience?

Thank you,

Scheduling Team
Office of Administrator Michael S. Regan
scheduling@epa.gov

From: Purchia, Liz <lizpurchia@hsph.harvard.edu>
Sent: Thursday, September 30, 2021 10:05 AM
To: Hamilton, Lindsay <Hamilton.Lindsay@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
Subject: Hello! Invite for Admin. Regan for Oct. 21

Hello! How are you both doing? I think about you guys often. I was emailing with Alisha Johnson yesterday. The EPA comms crew has to stick together!

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Some of last year's speakers included Gina, Dr. Katharine Hayhoe, Dr. Howard Koh – the former Assistant Secretary for Health for the U.S. Department of Health and Human Services, and former U.S. Surgeon General Richard Carmona.

Happy to answer any questions.

Liz

Liz Purchia / Communications Director
Center for Climate, Health, and the Global Environment
Harvard T.H. Chan School of Public Health (Harvard Chan C-CHANGE)
315-794-6943
lizpurchia@hsph.harvard.edu
(She/Her/Hers)

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Message

From: Julian Gonzalez [jgonzalez@earthjustice.org]
Sent: 10/19/2021 1:21:17 AM
To: Goldberg, Ruby [Goldberg.Ruby@epa.gov]; eolson@nrdc.org; Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Waterhouse, Carlton [Waterhouse.Carlton@epa.gov]
CC: Levy, Maxwell [Levy.Maxwell@epa.gov]; Cortez Russell, Loni [Russell.Loni@epa.gov]; astubblefield@nrdc.org
Subject: RE: EPA Lead Strategy

Thanks Ruby. It would be the following folks in addition to myself:

1. Eve Gartner (egartner@earthjustice.org)
2. Jonathan J Smith (jjsmith@earthjustice.org)
3. Nathan Park (npark@earthjustice.org)

We will keep an eye out for the invite.

From: Goldberg, Ruby <goldberg.ruby@epa.gov>
Sent: Monday, October 18, 2021 2:41 PM
To: Olson, Erik <eolson@nrdc.org>; Julian Gonzalez <jgonzalez@earthjustice.org>; enobakhare.rosemary@epa.gov; waterhouse.carlton@epa.gov
Cc: levy.maxwell@epa.gov; russell.loni@epa.gov; astubblefield@nrdc.org
Subject: RE: EPA Lead Strategy

Hi Erik and Julian,

Thank you both for getting back to quickly. We'll send out an invitation for 12 to 12:30 on Wednesday. Julian, would you send the names and emails for the others from your team who you would like to include? Erik, would you let me know if there are any others from your team who should be included?

Thank you all!
Ruby

From: Olson, Erik <eolson@nrdc.org>
Sent: Monday, October 18, 2021 10:13 AM
To: Julian Gonzalez <jgonzalez@earthjustice.org>; Goldberg, Ruby <Goldberg.Ruby@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; Waterhouse, Carlton <Waterhouse.Carlton@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>; Stubblefield, Alexandra <Astubblefield@nrdc.org>
Subject: RE: EPA Lead Strategy

I could make any of those times work, with a preference for Tuesday 3-3:30 or Wednesday at 12-12:30. Thanks!
Erik
p.s. adding Alex Stubblefield who helps me with scheduling.

From: Julian Gonzalez <jgonzalez@earthjustice.org>
Sent: Monday, October 18, 2021 9:32 AM
To: goldberg.ruby@epa.gov; enobakhare.rosemary@epa.gov; Olson, Erik <eolson@nrdc.org>; waterhouse.carlton@epa.gov
Cc: levy.maxwell@epa.gov; russell.loni@epa.gov
Subject: RE: EPA Lead Strategy

Thanks Ruby. Would it be ok if 2 of my colleagues joined us for our call whenever we end up scheduling it? My expertise is in water and for cross-media matters I think it'd be more helpful that way.

From: Goldberg, Ruby <goldberg.ruby@epa.gov>
Sent: Monday, October 18, 2021 9:16 AM
To: Julian Gonzalez <jgonzalez@earthjustice.org>; enobakhare.rosemary@epa.gov; Olson, Erik <eolson@nrdc.org>; waterhouse.carlton@epa.gov
Cc: levy.maxwell@epa.gov; russell.loni@epa.gov
Subject: RE: EPA Lead Strategy

Good morning!

Erik I think might have been out on leave on Friday. Erik, if you would let me know if any of these times work for you I'd be grateful.

Thanks so much,
Ruby Goldberg

From: Julian Gonzalez <jgonzalez@earthjustice.org>
Sent: Monday, October 18, 2021 8:47 AM
To: Goldberg, Ruby <Goldberg.Ruby@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>; eolson@nrdc.org; Waterhouse, Carlton <Waterhouse.Carlton@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>
Subject: RE: EPA Lead Strategy

Good morning, did we ever settle on a time?

From: Julian Gonzalez
Sent: Friday, October 15, 2021 4:10 PM
To: Goldberg, Ruby <goldberg.ruby@epa.gov>; enobakhare.rosemary@epa.gov; Olson, Erik <eolson@nrdc.org>; waterhouse.carlton@epa.gov
Cc: levy.maxwell@epa.gov; russell.loni@epa.gov
Subject: RE: EPA Lead Strategy

Nice to meet you Ruby. I can do the latter 2.

From: Goldberg, Ruby <goldberg.ruby@epa.gov>
Sent: Friday, October 15, 2021 3:16 PM
To: enobakhare.rosemary@epa.gov; Olson, Erik <eolson@nrdc.org>; Julian Gonzalez <jgonzalez@earthjustice.org>; waterhouse.carlton@epa.gov
Cc: levy.maxwell@epa.gov; russell.loni@epa.gov
Subject: RE: EPA Lead Strategy

Hi Erik and Julian,

It's a pleasure to be connected. We would very much look forward to meeting next week – below are a couple of times next week, would any of these work for you all?

Tuesday 10/19, 3 to 3:30pm
Tuesday 10/19, 5 to 5:30pm
Wednesday 10/19, 12 to 12:30pm

Thank you,

Ruby

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, October 15, 2021 1:07 PM
To: eolson@nrdc.org; Julian Gonzalez <jgonzalez@earthjustice.org>; Waterhouse, Carlton <Waterhouse.Carlton@epa.gov>; Goldberg, Ruby <Goldberg.Ruby@epa.gov>
Cc: Levy, Maxwell <Levy.Maxwell@epa.gov>; Cortez Russell, Loni <Russell.Loni@epa.gov>
Subject: EPA Lead Strategy

Hey Erik and Julian,

I wanted to get you connected with Carlton Waterhouse the Acting AA for the Office of Land and Emergency Management (OLEM) and his Special Assistant Ruby Goldberg. Carlton and his team has been working on a broad strategy for the agency on lead and we wanted to get your feedback on a few of the tactics within the plan. We are looking to hop on the phone with you all sometime next week between Monday and Wednesday. Ruby will work with you all to schedule this meeting with the team.

Looking forward to connecting.

Thanks,
Rosemary
Rosemary Enobakhare
Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

Message

From: Ramon Cruz [ramon.cruz@sierraclub.org]
Sent: 10/21/2021 4:44:50 AM
To: Morgan, Ashley [Morgan.Ashley.M@epa.gov]
CC: Enobakhare, Rosemary [Enobakhare.Rosemary@epa.gov]; Lance, Kathleen [Lance.Kathleen@epa.gov]
Subject: Re: connecting

Thanks Rosemary.
Great to meet you Ashley.
On Nov. 2 I will be in Glasgow for COP26. Is the Administrator going to be there later on? Perhaps we can meet in person even if briefly?
Thanks,
Ramon

On Wed, Oct 20, 2021 at 6:44 PM Morgan, Ashley <Morgan.Ashley.M@epa.gov> wrote:

Thanks for connecting us Rosemary.

Hi Ramon – it is a pleasure to meet you via email. Would it be possible to schedule this virtual meeting with Administrator Regan on Tuesday, November 2nd at 2 pm?

Thanks!

Ashely

Ashley M. Morgan

Deputy Director of Scheduling and Advance

U.S. Environmental Protection Agency

Cell: (202) 909-9983

From: Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Sent: Friday, October 15, 2021 11:00 AM
To: ramon.javier.cruz Ex. 6 Morgan, Ashley <Morgan.Ashley.M@epa.gov>; ramon.cruz@sierraclub.org
Subject: RE: connecting

Adding Ramon's Sierra Club email.

From: Enobakhare, Rosemary
Sent: Friday, October 15, 2021 10:28 AM
To: ramon.javier.cruz Ex. 6 ; Morgan, Ashley <Morgan.Ashley.M@epa.gov>
Subject: connecting

Hey Ramon,

It was great chatting with you. I am connecting you with Ashley Morgan from the Administrator's scheduling team. She will work with you to lock a time for you and the Administrator to connect. Again, this is just a meeting to check-in with you following your interaction during the clean cars comment drop.

Thanks,

Rosemary

Rosemary Enobakhare

Associate Administrator
Office of Public Engagement and Environmental Education
U.S. EPA Office of the Administrator
1200 Pennsylvania Ave., N.W.
Washington, DC 20460
Cell: 202.573.4614

--

Ramón J. Cruz
President
ramon.cruz@sierraclub.org
(c) 646-250-6671
pronouns: he, him, his (why share pronouns)

Message

From: Matthews, Lisa [Matthews.Lisa@epa.gov]
Sent: 9/29/2021 4:06:01 PM
To: Kenneth.Ratzman [Kenneth.Ratzman@dep.nj.gov]; Kennedy, Eric [eric.kennedy@maine.gov]; williamsk29@michigan.gov; kari.palmer@state.mn.us; Edwardson, Ken [KENNETH.J.EDWARDSON@des.nh.gov]; kandyce.perry@dep.nj.gov; julia.wong@dep.nj.gov; LaFarr, Margaret (DEC) [Margaret.lafarr@dec.ny.gov]; jennifer.mundt@ncdenr.gov; briamorgan@pa.gov; cyoka@city.cleveland.oh.us; Joanne.O.Morin@mass.gov; steve.desantis@dec.ny.gov
CC: Robbins, Chris [Robbins.Chris@epa.gov]; Frey, Christopher [Frey.Christopher@epa.gov]; Gwinn, Maureen [gwinn.maureen@epa.gov]; Geller, Andrew [Geller.Andrew@epa.gov]; McCabe, Erin [mccabe.erin@epa.gov]
Subject: Draft meeting summary: State & Local Listening Session on Cumulative Impacts (Sept 20)
Attachments: Sep 20 draft summary (for review).docx

Good afternoon,
Thank you all again for participating in the September 20th State & Local Listening Session on Cumulative Impact Assessment and sharing your agencies' technical challenges and science needs on this topic with us.

Attached is the draft meeting summary. Please review the summary and provide any additional input and/or corrections to Erin McCabe and me by **COB Monday, October 4**. We'd appreciate your review to ensure a comprehensive summary.

Thank you!
Lisa Matthews
Senior Advisor and State Liaison
US EPA Office of Research and Development
202-564-6669 (desk) | 202-577-4035 (cell)
matthews.lisa@epa.gov

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State & Local Listening Session on Cumulative Impacts (Regions 1-5)
September 20, 2021

Meeting Summary

Attendance Summary

- 132 non-EPA attendees
- 26 state agencies
- 11 local agencies
- 5 national associations

Q&A after ORD Cumulative Impact Assessment Overview

Ken Ratzman, New Jersey Department of Environmental Protection (DEP)

- Seems to be lack of a focus on facility emissions, particularly harmful air pollutants (HAPs), especially diesel contribution
    - Diesel biggest contributor to cumulative risk – large oversight?

- *Sherri Hunt*, *EPA ORD*: Have done some research on risk of toxicity from diesel
    - Would have to go through risk assessment process necessary for there to be a number associated with it

- *Andrew Geller*, EPA ORD: How has NJ handled spatial and time scales?
    - *Ken Ratzman, NJ DEP*: Still a work in progress putting it in the cumulative risk world
        - In air world, individual HAPs are a facility-wide risk – outweigh any other risk in NJ

State & Local Agency Perspectives

Eric Kennedy, Maine DEP

- No formal definition of cumulative impacts yet
- Identifying, evaluating, mitigating air pollutants
    - Criteria air pollutants (CAPs), HAPs, greenhouse gases (GHGs), aeroallergens, etc.
- Combinations of pollutants that could cause cancer risks or respiratory impacts
- Challenge to determine what levels of combined air pollutants are safe to breathe
    - Would like to see standardized methods for evaluating pollutants (similar to global warming potential)
        - *Sherri Hunt, EPA ORD*: Global warming potential comparison is good idea
- Standardized methods for evaluation cumulative impacts of various pollutants
    - Infinite combinations of pollutants – how do we sort these out and explain to the public?
- Air toxic guideline differences between neighboring states is difficult to explain
    - Need for consistency in development and implementation of standards

Keisha Williams, Michigan Environment, Great Lakes, and Energy (EGLE)

- Addressing problems of disproportionately impacted residents

DRAFT

    - "Our neighborhood has been bombarded w/ industry & pollution"
- Environmental hazards and degradation
- Need to account for impact of multiple pollution sources and non-chemical stressors
- No formal definition for cumulative impacts or risks
    - Use EPA guidance for definitions/guidances
- Cumulative impacts assessment (CIA) can be very different from cumulative risk assessments
- Major challenges:
    - Accidental releases during/following incident cleanup
        - Characterizing exposure and impacts during incident response and after
    - Addressing health disparities within communities
    - Need for training, simplified assessment tools
    - Evaluating effectiveness of risk management strategies
    - Modifying factors – does research support this?
- Need for meaningful involvement strategies

- ACTION: If ORD could make some connections with communities in MI that would be great (*Sherri Hunt, EPA ORD)*

- *Chris Frey, EPA ORD*: Could you elaborate on evaluating effectiveness of risk management strategies? Who do you see as the decision maker?
    - *Keisha Williams, MI EGLE*: Multiple levels of state-level decision makers
        - Example: a permit engineer could be a decision maker, air quality division management

- *Susan Julius, EPA ORD*: What kind of training are you looking for?
    - *Keisha Williams, MI EGLE*: Cumulative exposure assessment tools (SHEDs, APEX, BENMAP)
        - Essential to work with developers at EPA to understand these tools
        - Training needed as EPA further develops these tools
        - ACTION: Consider EPA Tools & Resources training webinars on these tools

Kari Palmer, Minnesota Pollution Control Agency (MPCA)
- Priorities:
    - Informing potential state statutes
    - Equipping us to better address disproportionate impacts and structural racism
    - Exploring opportunities to expand analyses
    - Methods across environmental media
- Need for research in:
    - Policy development
        - Opposition due to resource burdens
        - Policies need to be reasonably implemental
    - Developing internal groups and cross cutting structures to better support multimedia research

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    - Publications, guidance documents, case studies on what it would look like to protect a whole system across media
    - Conferences on cumulative impacts for states to share policies/etc.
    - Visual and analytical integration of qualitative and quantitative data
    - Risk communications
    - Air pollutant mixtures
    - Human populations that undergo chronic stressors related to social vulnerabilities
    - Toxicity studies for common PFAS mixtures
    - Mercury emissions
    - Effects of climate change on cumulative risk
    - Studies of human health risk from ingestion of pollution mixtures (drinking water, fish, game and livestock)
- ACTION: Would appreciate a written synopsis of these listening sessions (ORD plans to circulate meeting summary)

- *Sherri Hunt, EPA ORD*: What would be helpful with permitting?
    - *Kari Palmer, MPCA*: More guidance and models of how to do this work, methods of what should be included, consistency
        - Look to EPA or other states on methods, qualitative and quantitative, and how to integrate

Ken Edwardson, New Hampshire Department of Environmental Services (NHDES)
- No formal definition of cumulative impacts
- Agree with EJ elements others have brought up
    - Cumulative impacts should also incorporate the multiple factors that contribute to vulnerability, including environmental, social, demographic, and systemic; and the ability to assess a set of measures and the interplay between them would be more beneficial than limiting assessment to a single measure at a time
- Water quality standards for multiple stressors
    - Where there are multiple stressors we can't just assume that the ecological harm will be driven by one parameter but rather that additive or exponential responses can occur
    - Index of biological integrity (IBI)
    - Comprehensive analytical tools
        - Are tools for multi-parameter reasonable potential analysis in permitting in the works?
    - 304(a) guidance to consider multiple stressors
- Climate change – temperature, flooding drought, sea level rise, ocean acidification
    - All multipliers to existing issues
- Need to change laws and rules – anticipated pushback from regulatory community
- Lack of comprehensive analytical tools to evaluate the cumulative impacts

Kandyce Perry, NJ DEP
- NJ's landmark EJ law
    - Seeks to remedy historic environmental injustice to overburdened communities

        - Definition of overburdened communities – 330 out of 565 municipalities at block level
    - Required to consider impacts to EJ communities in permit decisions for major sources of air, waste facilities
        - Applicants must prepare environmental impact statement (EIS) to assess environmental and public health stressors associated with application and baseline conditions
    - Developing methodology that compares environmental and public health stressors for each overburdened group with a non-overburdened group at same geographic location
        - Combined stressor total compared to comparison group
        - Will be released via a publicly available mapping tool
- Primary concerns:
    - Facilities outside of overburdened communities but nearby (i.e. diesel trucks)
    - Lack of data sources for certain impacts (i.e. warehouses connection to noise, odor, dust, etc.)

- *Bryan Hubbell, EPA ORD*: Are you considering climate change related indicators?
    - *Kandyce Perry, NJ DEP*: We only have flooding right now in our 30 stressors, but we're considering adding more climate change indicators to our mapping tool
- *Maureen Gwinn, EPA ORD*: Do you have a sense of timing for release of the tool?
    - *Kandyce Perry, NJ DEP*: Soon – will make EPA HQ aware once it is so you can share with all states
- *Chris Frey, EPA ORD*: Are you considering qualitative impacts? Indicators of psychological stress?
    - *Kandyce Perry, NJ DEP*: The only example that comes to mind is noise. If you can think of more subjective leaning stressors, we'd love to consider them.
        - Are considering lack of amenities (i.e. lack of green space)

- *Julia Wong, NJ DEP* (in chat): If anyone would like more information on where NJ is in the rulemaking process, we have recordings from our stakeholder sessions and slides [HYPERLINK "https://www.nj.gov/dep/ej/policy.html"].

Margaret LaFarr, New York State Department of Environmental Conservation (NYSDEC)

- Cumulative impacts definition related to dispersion modeling – caution use of terminology "cumulative impacts"
- New NY law Community Protection Act considers cumulative impacts
- Working on revising EJ policy to update definition of cumulative impacts
- Developing a tool like EJSCREEN with some additional indicators
    - Vehicle density, wastewater discharge, housing vacancy rate, oil storage, active landfills, scrap metal, driving time to hospitals/urgent care facilities, potential climate change impacts and more
- Want to understand when we expect analyses to take place
- Housing and zoning rules - how do they play in? Can't always be at time of permitting.
- Need additional guidance so we have consistency across states
- Need additional tools (e.g. EJSCREEN, NATA, BENMAP, COBRA) to look at more than one poll at once to give wholistic views of impacts

- Need guidance on how to prioritize one stressor over another (not just equal weight)

Jennifer Mundt, North Carolina DEQ

- No current definition for cumulative impacts or cumulative impact assessment
- Need for guidance, tools methodologies, standards, definitions for us to work from
- Need for tools and other approaches to help implementation
- Look to EPA for guidance, tools, standards, definitions, etc.
    - Coming from the federal level will make things easier (pushback from regulatory community)
- How do we define a community to support/evaluate as part of analysis? Who is end user of cumulative impact assessment?
    - How do we evaluate their needs?
- Permitting is already complex and time consuming – how would this impact that
- Need to consider impacts to rural communities, particularly to those near animal feeding operations (biggest industrial farming state in country)
- [HYPERLINK "https://deq.nc.gov/outreach-education/environmental-justice/deq-north-carolina-community-mapping-system"]

Brian Morgan, Pennsylvania DEP

- No formal definition or guidance for cumulative impacts
- Air quality perspective
    - Multipathway risk assessment
- Challenges
    - Integrating ambient air pollutants in specific facility analysis
    - Risk factors for emerging pollutants

Joann Morin, Massachusetts DEP

- Recent MA climate law act signed
    - Seeking public comment on incorporating cumulative impacts assessments for air permits
        - Action in 18 months
        - Info on website
        - What types of impacts? Health stressors? How to do it? What permits? How to make decisions?
    - Also looking at disproportionate burdens in EJ communities (active work)
        - Propose regulations by end of year to implement their portion of the law
        - Adding public health aspect into NEPA rules
          May revise regulations based on cumulative impacts definition from longer stakeholder process
- Need for research soon

Christina Yoka, Cleveland Division of Air Quality

- Would be helpful to hear what other local agencies have done (below state level)

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    - What have they implemented?
    - What type of code (public health code, live-able air, zoning)
- Cumulative impacts is of high interest to stakeholders at local level
- No local definition of cumulative impacts

Steve DeSantis, NYSDEC

- Looking at risk at census tracts, use NATA (air exposure model that predicts concentrations)
    - Want data released at individual pollutant level instead of combining
        - Combined risk will wash out which chemical is a driver

DRAFT

Message

From: Matthews, Lisa [Matthews.Lisa@epa.gov]
Sent: 9/23/2021 8:47:14 PM
To: david.paylor@deq.virginia.gov; 'Bob King' [Ex. 6] 'Chuck Brown' [chuck.brown@la.gov]; 'Scott Thompson' [scott.thompson@deq.ok.gov]; Keatley, Aaron (EGLE [KeatleyA@michigan.gov]; 'Martha Rudolph' [Ex. 6]; jess.byrne@deq.idaho.gov; Michael J. Linder [Michael.Linder@koleyjessen.com]; Cooper, Stephanie (DEP) [stephanie.cooper@state.ma.us]; chanson@ecos.org; slongsworth@ecos.org; preyes@ecos.org; akulungara@astho.org
CC: Paisley, Lindsey [lindsey.paisley@deq.virginia.gov]; 'Sharon Smith' [Sharon.smith@deq.ok.gov]; Karen Shaler [SHALERK@michigan.gov]; 'Marian Mergist' [marian.mergist@la.gov]; Elaine.Ganino@deq.idaho.gov; Robbins, Chris [Robbins.Chris@epa.gov]; Cascio, Wayne [Cascio.Wayne@epa.gov]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]; Hubbell, Bryan [Hubbell.Bryan@epa.gov]; Geller, Andrew [Geller.Andrew@epa.gov]; Trentacoste, Emily [trentacoste.emily@epa.gov]; McCabe, Erin [mccabe.erin@epa.gov]; Buerk, Emma [Buerk.Emma@epa.gov]
Subject: RE: Thank you and follow-up: ERIS-EPA ORD Virtual Meeting
Attachments: ERIS Board August 21 Action Items.docx; ERIS Board Aug 2021 Meeting Summary.pdf

Good afternoon,
Below you'll find information on two of the action items from our meeting last month (SMaRT Search vs. Science Inventory and a risk communication update). This concludes our action items for now, aside from one longer term item that we'll keep working on.

Attached is a copy of the meeting summary. I'll also be in touch soon to share our draft FY22 work plan for your comments/suggestions.

Please let me know if you have any follow up questions.

Thank you,
Lisa Matthews

SMaRT Search vs. Science Inventory

EPA's Science Inventory is a database of research products primarily from the Office of Research and Development (ORD). The majority of the content types are EPA reports, presentations, and journal articles. Book chapters and extramural documents are examples of other content types. Science Inventory records describe the research. Records date back to the 1970's.

EPA's SMaRT Search is a database of models, tools and databases, including other software applications from ORD. Examples include interactive data visualization tools. GIS tools, mobile apps and spread sheets.

The main distinction between these search tools is that the Science Inventory provides descriptive information on research products. SMaRT Search has information about web-based and other types of interactive software applications.

Update on Risk Communication Activities *(since June 2020)*
From Madeline Beal, Senior Risk Communication Advisor, EPA Office of Public Affairs

EPA has developed and launched the SALT Framework—an EPA-wide risk communication process framework. The SALT Framework and some additional tools, videos and materials have been posted to a new section of the EPA website dedicated to Risk Communication: https://www.epa.gov/risk-communication

We developed a tiered risk communication training platform in partnership with COMPASS Science Communication. The platform includes three levels: a one-hour self-led training: An Introduction to Risk Communication at EPA will be made available to all EPA staff (expected launch will be in early 2022); a premier 20-hour training course covering a curriculum

grounded in risk communication research and focused on live practice with audience experts; and a shorter executive version of the training which provides a high-level overview or risk communication best practice combined with work directly with audience experts. We have trained over 230 staff members and 12 senior executives so far.

We are continuing to work bringing this training to more staff and building more tools to support the implementation of the SALT Framework across the agency. This will include risk communication materials on PFAS and EtO which are expected to be posted publicly before the end of the calendar year. A project on wildfire risk communication focused on better understanding audience needs which we are launching in partnership with the National Institute of Risk and Resilience at the University of Oklahoma is just getting underway.

We want to bring the training to include more state and tribal trainees, but we are still working to get that contract in place. The tools we are building (SALT Framework, supporting resources, the videos and case studies that are available on the risk comm website, the PFAS and EtO risk comm materials, etc) are all built with the intent to be usable by the agency but also usable by our partners. Some effort went into the design to make them geared that way which has included hearing from the needs of a variety of partners and audiences which has included some state input though it was a little more convenience sample than structured response.

From: Matthews, Lisa
Sent: Wednesday, September 8, 2021 5:43 PM
To: David Paylor (david.paylor@deq.virginia.gov) <david.paylor@deq.virginia.gov>; 'Bob King' <snickers12949@[redacted] Ex. 6 'Chuck Brown' <chuck.brown@la.gov>; 'Scott Thompson' <scott.thompson@deq.ok.gov>; Keatley, Aaron (EGLE <KeatleyA@michigan.gov>; 'Martha Rudolph' [redacted] Ex. 6 jess.byrne@deq.idaho.gov; Michael J. Linder <Michael.Linder@koleyjessen.com>; Cooper, Stephanie (DEP) <stephanie.cooper@state.ma.us>; Carolyn Hanson <chanson@ecos.org>; Sarah Grace Longsworth (slongsworth@ecos.org) <slongsworth@ecos.org>; preyes@ecos.org; akulungara@astho.org
Cc: Paisley, Lindsey <lindsey.paisley@deq.virginia.gov>; 'Sharon Smith' <Sharon.smith@deq.ok.gov>; Karen Shaler <SHALERK@michigan.gov>; 'Marian Mergist' <marian.mergist@la.gov>; Elaine.Ganino@deq.idaho.gov; Robbins, Chris <Robbins.Chris@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>; Frey, Christopher <Frey.Christopher@epa.gov>; Rodan, Bruce <rodan.bruce@epa.gov>; Hubbell, Bryan <Hubbell.Bryan@epa.gov>; Geller, Andrew <Geller.Andrew@epa.gov>; Trentacoste, Emily <trentacoste.emily@epa.gov>; McCabe, Erin <mccabe.erin@epa.gov>; Buerk, Emma <Buerk.Emma@epa.gov>
Subject: Thank you and follow-up: ERIS-EPA ORD Virtual Meeting

Good afternoon,
On behalf of EPA's Office of Research and Development, thank you for taking the time out of your busy schedules to meet with us this past August. While we wish we could have met in person, we're grateful to have held a successful virtual meeting. We appreciate the discussions and feedback to help us better align ORD's research with state needs.

Attached are the list of follow-up action items from the meeting and draft meeting summary. Our goal is to complete action items within 30 days from the meeting except for those items that are longer-term in nature. One of these action items was to share the thematic summaries from past listening sessions on wildland fire research and climate and equity, which I've also attached here. Please review the draft meeting notes and send any corrections, additions, etc. to Erin McCabe and me by next **Friday, September 17**.

Lastly, happy to share final ORD State Engagement Numbers & Highlights infographic—a new communication tool to highlight ORD's work with states over the past year. The numbers and recent highlights illustrate the strength of our partnerships that enhance each organization's mission as we strive together to protect the environment and public health. ORD's work with ECOS/ERIS has continued to improve over the past few years and is now a sustainable platform from which translational science and problem solving occur. We look forward to continuing to work together to build a stronger and mutually beneficial partnership.

Best,

Lisa

Lisa Matthews
Senior Advisor and State Liaison
US EPA Office of Research and Development
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Learn about EPA Research to support States at www.epa.gov/research-states.

ERIS Board-ORD Join Meeting, August 2021 – Follow-up Action Items

Action Item Description	Assigned to	Status
Send David Paylor information on algal mats (HABs) in rivers.	SSWR/Anne Rea	Completed 8/30/2021 The draft ITRC benthic HCB document, which is out for external review, is about algal mats in rivers.
Schedule fall quarterly call with ERIS Board to discuss FY22 work plan and brainstorm future environmental challenge topics.	Sarah Grace Longsworth, Lisa Matthews	Completed 9/20/21 Scheduled for November 15 from 1-2 pm ET
Follow-up with Madeline Beale on progress made on risk comms toolbox to share with ERIS Board.	Lisa Matthews	Completed 9/23/2021
Share thematic summaries from past listening sessions with ERIS Board.	Lisa Matthews, Erin McCabe	Completed – Lisa Matthews emailed to ERIS Board on 9/8/2021
When EPA is out talking with communities, make sure there is good communication with the states.	Andrew Geller, Chris Robbins	In Progress (long-term effort)
One Health – consider adding healthcare professionals – could help move the needle if they became engaged.	Lisa Matthews	Completed – Lisa Matthews raised with One Health workshop planning committee (ECOS, ASTHO, AFWA and EPA) for consideration.
Clarify for ERIS Board the difference between Science Inventory & SMaRT Search.	Jacques Kapuscinski, Lisa Matthews	Completed

ERIS Board-EPA ORD Virtual Meeting
August 24-25, 2021

Meeting Summary

Session 1: EPA ORD Leadership Update

EPA ORD Leadership Update

- Priorities for the administration - climate, EJ and equity, scientific integrity
- Ongoing priorities for agency include:
    - PFAS and lead
    - HABs
    - Wildfire research
    - IRIS - hazard identification and dose-response assessments
    - Developing new approach methods (NAMs) to reduce use of animals in toxicity testing
    - Better solutions for identifying hazards
    - Improving drinking water quality (e.g., finding lead service lines)
    - Evaluating corrosion control treatments
    - Providing technical support

State feedback/questions

- David Paylor: Can you expand on cumulative impacts? It's being thrown around a lot right now, but we're not exactly sure what it means
    - Chris Frey: Ex. looking at the impacts of a marginalized community after adding another stressor to that community
        - Can be nonchemical stressors (socioeconomic) combined with chemical stressors
        - Can also look at it in reverse – adding good things (i.e. GI) to a community to reverse effects of stressors
        - From a science perspective, we want to be able to quantify outcomes – research challenge
    - David Paylor: We're struggling because there's no metrics associated with it. We're also not sure if the term "disproportionate impacts" is the same/different. In the context of permitting, how are cumulative impacts compared to other standards?
- Martha Rudolph: What is EPA doing now to look at issues that occur after the fact of wildfires? (i.e. road closures affecting commercial travel, water quality, etc.)
    - Chris Frey: We're looking at the more immediate issues to public health.
    - Wayne Cascio: Our past work has centered more on air quality, but we've been slowly transitioning to include water quality. Expect to see a lot more related to this in our next strategic research action plans (StRAPs)
        - Aftermath of fires – intense rainfalls cause flooding with lots of debris
            - Suspended particles in water quality
            - Toxic chemicals

        - We're building relationships with other agencies (Forest Service, DOI, DOD, etc.) through the Wildland Fire Leadership Council
- Chuck Carr Brown: We issue permits based on quantitative measures. If we need to include cumulative impacts, we need to speed up the research on how to quantify it. EJSCREEN not to be used as a mapping tool. States are in the trenches right now.
    - Need help/tool to quantify EJ related stuff
        - Judges are sending permits back saying we need better EJ & cumulative impact analysis (every permit issued has someone ready to challenge it)
    - NJ has a statute – going to be lots of challenges
    - Chris Frey: We're aware we need to move as quickly as we can, but we also need to make sure the science is thought out
    - Wayne Cascio: We recognize the challenges states are facing. Using electronic health records as a data source will help us with this
    - Chuck Carr Brown: We need your help for people to understand that we need large datasets for accurate science/analysis on this. In the interim, judges are deciding for us
        - Trying to aggregate multiple census blocks with similar characteristics and do statistical analysis
- Scott Thompson: As you look at cumulative effects from stressors, don't forget that we can cause stress if standards are set to impossible levels and the public doesn't understand what's going on
    - Messaging about standards and risks needs to be more clear/transparent
    - Standards are still based on assumptions
    - Policy makers need to know that there's cushion room with some standards (i.e. EPA arsenic standard is unrealistic – about 12X below background)

<u>Session 2: State Updates/Perspectives</u>

Jess Byrne, Idaho DEQ

- Pandemic hasn't affected priorities
- Drought and climate
- Drinking water wells going dry in certain areas of state
    - Workload and funding challenges of trying to help systems
    - Fielding a lot of calls from communities
- HABs
    - Recreation is a major source of economic activity
- Wildfire smoke (from within the state and from neighboring states)
    - Improving on risk messaging
    - Coordination across federal + state governments has helped, but there's still a lot of work that could be done
- Emerging contaminants
    - PFAS, PFOA, pharmaceuticals
    - Fortunate that we don't have any large sources

    - Land applications of wastewater and biosolids has created some unknowns and concerns
- Lake Coeur d'Alene in Northern Idaho (50 sq mile, 109 miles shoreline)
    - Large source of income in northern part of state
    - Downstream from one of the largest Superfund sites (Bunker Hill)
        - 80 million metric tons of contaminated sediment at the bottom of the lake, have been trying to manage metals through lake management plan
            - Trying to keep oxygen level high enough to keep it sequestered on the bottom of the lake
            - Seeing concerning trends – study well underway with National Academy of Sciences (NAS) (23-month study)
                - Might be an opportunity down the road to partner with ORD
- Updating water quality criteria for arsenic
    - Disapproved by EPA several years ago
    - Struggling with what is an appropriate level from human health perspective
    - Collected fish tissue and surface water data – not finding any correlation, makes implementation challenging
        - Fish tissue is more important for human health, but it's harder, more expensive to monitor

Chuck Carr Brown, Louisiana DEQ

- COVID standpoint – ground zero, 4th surge
- Climate Initiative Taskforce created in February 2020
    - Goal: net zero by 2050 (Oil and gas producers have rebranded themselves)
    - Economic standpoint – need to convert from gas to electricity, etc.
        - Natural gas will be a bridge fuel for the next 20 years
        - Electricity is about 25% of GHG generation
    - Considering carbon trading, but need neighboring states (OK, MS, TX) on board
    - Industrial folks are not shying away from carbon tax, but need to determine what would be done with the money
- Ethylene oxide is a major issue
    - Hard to compare background levels and IRIS assessment level
- Chloroprene – need standard
    - Only neoprene facility in the country
    - Issue with standard numbers and risk numbers – Request for Correction this fall
- Vocal minorities sharing inaccurate facts
    - Engage with national environmental groups
        - Lots of influence in the groups
    - Spend a lot of time trying to keep facts straight
        - Provide as much data as possible

Stephanie Cooper, Massachusetts DEP

- Priorities haven't changed due to pandemic, but some events have shaped our priorities that happened to occur during the pandemic

- Climate mitigation and resilience
    - Mitigation
        - Driving down emissions
        - Electric sector, regional solutions
        - Natural gas transportation and refrigerants
        - Transportation and climate program
    - 2021 – sweeping new climate law
        - Updates emissions reductions targets, goal: net zero for 2050
            - 50% reduction by 2030 (Tall order)
        - Authorizes more clean energy – offshore wind
        - More efficiency standards for appliances
        - Language related to advancing environmental justice and equity
            - Includes cumulative impact assessment
- Investing in air quality monitoring in EJ communities
- Spending a lot of time on PFAS
    - Stringent drinking water standard being implemented
    - Offer free sampling, including private wells
        - Don't regulate private wells (local boards of health do)
        - Risk communication challenge
    - Need to know efficacy of POU treatment systems
    - Monitoring in wastewater and wastewater residuals – trying to develop screen levels for land application
        - Don't have a lot of data in MA (have to extrapolate from NH and other states)
        - Need methods for residuals and solids
    - PFAS found in pesticides and pesticide containers
- Various water quality issues
    - HABs increasing
    - Wastewater surveillance – expand to look at detection of other viruses
    - Nutrients, particularly septic systems in Cape Cod

Aaron Keatley, Michigan EGLE

- EJ
    - Have ramped up engagement, public participation, etc.
    - Challenge to integrate into regulatory programs
        - Need to make sure permits abide by state and federal laws
    - Need to make sure to include rural communities
        - Don't show up on census flocks
        - Small neighborhoods or mobile home parks
- Climate
    - Evaluating impacts and opportunities and how to best leverage opportunities
        - Challenge – climate changing during this planning stage
            - Seeing more frequent & large storm events – flooding issues, erosion issues, significantly impacted communities
            - How can we plan for 20 years from now?

- PFAS
    - MCLs for 7 contaminants
    - Nearly completed groundwater standards
    - Lot of work on land application
    - Made significant progress on dealing with industrial discharge
    - Lots of success stories, but still a lot of ground to cover
- Evolution of state's cleanup program
    - Mostly manages, doesn't clean up
    - Abundant groundwater resources, large aquifer under the state
        - Residual contamination can migrate easily and have long-term consequences
    - Need to move back to cleaning up things that can be cleaned up, managing those that can't be
- Budget – have more money than ever before (from federal govt and economy rebounding)
    - How to best use this money?
        - Infrastructure needs
        - Long-term problems

Scott Thompson, Oklahoma DEQ

- Bad HAB year for state – seems to be episodic
- Permitting reviews have improved in the pandemic
- Need for tools for remote inspections
- Proliferation of marijuana grow houses
    - Contributing to shortage of materials & supply chain issues
    - 1,000s of grow houses built in last year or so
        - Some illegal activity (many aren't licensed)
            - Will be changing regulations, which will take some time
    - Could use some aerial surveys to identify places
        - Organic signatures
    - Demands on water supply
        - 350,000 gallons a month for one operator
        - Will need to change laws to regulate water use
- PFAS disposal
    - AFFF foam – don't want in landfills
    - Need for mass balancing – how much can we dispose of how fast
- Reducing disinfection byproducts
- Alternative energy
    - Wind and solar energy growing with high use, supplying to other states
    - Looking at potential for hydrogen
        - How to manage CO2 generated
- Tools for teleworking

David Paylor, Virginia DEQ

- Pandemic – just set new 24 hour all-time high for cases
    - Anticipate teleworking until spring

- Coastal resiliency
    - Erosion and sea level rise – should be looking at forward projections instead of past data
    - Chesapeake Bay cleanup
    - One term governor – significant difference in climate change work going forward depending on who gets elected
    - Electrification of state fleet
- HABs
    - Samples from Shenandoah river made lab workers nauseous
        - Not sure if was the HABs or something else
    - Health agency practices abundance of caution
    - Algal mats in rivers are a question, better understanding of lake systems than rivers
- EJ a top priority. Hired EJ team
    - Will focus on community outreach
- Fossil fuels
    - Down to one large pipeline
    - Compressor stations overturned for EJ stations

Martha Rudolph, former Colorado DPHE

- Flooding from wildfires closing I-70 and contaminating CO river
    - Drinking water coming from CO river affected
- Drought
    - Might eventually not be able to do outside irrigation on the front range (they won't be able to have lawns)
- Air quality
    - Rulemaking for greenhouse gas reductions
        - Goals: reduce by 25% by 2025, 50% by 2030, 90% by 2050
        - Very ambitious
    - Rulemaking for EJ communities
        - Lots of requirements – have to meet with communities before making rules and be very flexible with meeting times
- Budget – have a lot of money
    - Push to give it back to the taxpayers
- Grow houses – don't recall having issues, but will talk to people involved in the state industry and share info with Scott/OK

Bob King, former South Carolina DHEC

- When EPA is out talking to communities, make sure there is good communication with the states.
- Suggest we include county and municipal associations in the discussions on EJ. They play a tremendous role with zoning and other laws. Also may want to think about the Chamber as well.

Mike Linder, former Nebraska DEQ

- Waiting for direction from EPA on EJ communities

    - Lots of press coverage
    - Need to keep expectations in check
    - A lot of rural areas are economically disadvantaged – where does that fit into EJ definition?

Session 7: Climate & Environmental Justice Initiatives

Feedback/discussion

- Scott Thompson: How are you going to gauge communities' interest?
    - Andrew Geller: It needs to be a broad and democratic process – transparent. The objectives of decisions will hopefully be broadly agreed upon so one small vocal group can't overpower the community
- Scott Thompson: It would be helpful to map out EJ communities and look at it from a wholistic standpoint to do positive projects in those areas
    - Would like separate funding for rural smaller communities – it's hard for them to compete against big cities
    - Need to follow the laws in terms of permits
        - Open to lawsuits if we refuse a permit without a clear reasoning as to why
- Bruce Rodan: How do we advance community science without overwhelming the recipient of the science?
- Martha Rudolph: Environmental Health Matters Initiative (subset of NAS) is sponsoring a series of workshops
    - First in November, looking at EJ issues, trying to bring together agencies + communities to talk about environmental issues from an adaptation perspective, as well as infrastructure, funding, cumulative impacts
    - Free, virtual
- Andrew Geller: Agree with importance of mapping (Scott's point)
    - One of the executive orders includes better maps
    - Maps are used for resource allocation to bring about positive impacts
    - Screening maps – just because the numbers don't come out on these, don't hesitate to do more local analyses
        - Can better capture the rural communities with local analyses
- David Paylor: Biggest challenge in VA is what do EJ communities mean for permitting
    - Starting to do community outreach and early engagement, but that doesn't change the law/regulations
    - What are the rules now? What is/isn't sufficient to deny a permit?
    - Most pushback comes from NGOs, not the communities
    - Andrew Geller: Can requirements be added to permits? i.e. if a facility coming in is going to have more traffic, can you add a condition that the trucks have to follow a certain route
        - David Paylor: In our experience with EJ it's been all or nothing (i.e. we don't want the facility here). Willing to have discussions to see where they might be able to accommodate certain things.
            - No authority over traffic

        - Scott Thompson: Tried the traffic thing, but can only go so far without a statutory/regulatory process
- Stephanie Cooper: Public involvement plans are helpful
    - Started a grant program for technical assistance to communities
        - EJ communities are becoming a bit overwhelmed
    - Need to have more of a foothold with nebulous issues (pollutants that aren't regulated)
        - Bryan Hubbell: We are doing work to try and identify pollutants of emerging concern.
            - Ultrafine particles are difficult to evaluate – thinking about it, but not ready to commit
            - Working on broader exposure to air toxics
- Martha Rudolph: One of the goals of EJ is meaningful involvement. What does "meaningful" mean? If they can't influence any decisions, is it meaningful?

Session 8: Partnering with States on One Health and Environmental Health

Discussion/feedback on presentations

- Martha Rudolph: What would the One Health workshop be focusing on? More traditional one health or more ecosystem connections?
    - Jose Zambrana: The workshop would explore questions like this. How do we address bringing in the eco side of the states into something collaborative and meaningful for all 3 groups?
        - Scoping workshop to brainstorm ideas
- Wayne Cascio: Do you have experience bringing health care services into the picture?
    - Scott Thompson: We have with drinking water programs and wastewater. They can help with funding
    - David Paylor: Public Health Transformation task force just created

Session 10: Communicating and Translating EPA Science and Engaging States in EPA Research

Discussion/feedback

- David Paylor: Impressed by all ORD is doing with states that wasn't around ~5 years ago.
- Jess Byrne: Agree – impressed. Wasn't aware of all of this and will work to have ID DEQ more involved.

Message

From: George Thurston [george.thurston@nyu.edu]
Sent: 6/14/2021 5:33:33 PM
To: Sacks, Jason [Sacks.Jason@epa.gov]; Ross, Mary [Ross.Mary@epa.gov]
CC: Dutton, Steven [Dutton.Steven@epa.gov]; Cascio, Wayne [Cascio.Wayne@epa.gov]; Frey, Christopher [Frey.Christopher@epa.gov]; Rodan, Bruce [rodan.bruce@epa.gov]
Subject: Re: BenMap ? Re: ISEE Listening Session

Thanks. I'll try them.

At this point, I am still busy developing potential inputs for BenMAP, such as new PM2.5 RR's for inclusion in the model, rather than modifying the model myself. I do some work with EJ committees, though, and would like to see proposed development project applicants and regulators be able to do better risk assessments (or risk assessments at all, rather than just saying that the AQ standards are being met, so no effects are possible, which is NOT true). This might allow the health impacts at one community vs. another to be scientifically compared. But this is not easy to do with BenMap now, with everything (for example) at the aggregate county level, and RR's not specific to sensitive sub-populations.

BenMAP is a great tool, but I'd hope to see the development of the inputs needed for a more EJ community useful BenMAP (e.g., effects calculated at the census tract level?) to be one of the priorities for EPA intramural efforts.

THANKS!

George

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And let us not grow weary while doing good, for in due season we shall reap if we do not lose heart.
Galatians 6:9

From: "Sacks, Jason" <Sacks.Jason@epa.gov>
Date: Monday, June 14, 2021 at 12:54 PM
To: "Ross, Mary" <Ross.Mary@epa.gov>, George D Thurston <george.thurston@nyu.edu>
Cc: "Dutton, Steven" <Dutton.Steven@epa.gov>, "Cascio, Wayne" <Cascio.Wayne@epa.gov>, "Frey, Christopher" <Frey.Christopher@epa.gov>, "Rodan, Bruce" <rodan.bruce@epa.gov>
Subject: RE: BenMap ? Re: ISEE Listening Session

No problem Mary.

Hi George,

One point of clarification regarding data inputs for BenMAP. The issue with conducting more refined analysis within BenMAP for specific sub-populations really hinges on the ability to get subpopulation specific incidence rates for whatever outcome is being examined at the spatial scale of interest. If I remember correctly, as of right now the race/ethnicity information is at a rather coarse spatial scale, in terms of both population and incidence data. However, in

saying all of that, one of the features that has allowed for BenMAP to be used by individual researchers worldwide is that data can be updated within it by anyone. I should have mentioned on the call that even if the downloadable version BenMAP doesn't include all of the health impact functions you are interested in you can easily add them.

Bob Wayland (wayland.robertj@epa.gov) is the group lead of the Risk and Benefits Group (RBG) within the Health and Environmental Impacts Division (HEID) in OAQPS that is responsible for BenMAP. Erika Sasser (sasser.erika@epa.gov) is the Director of HEID. They are the two people you'd want to reach out to.

Jason

Jason D. Sacks, M.P.H. (he/him/his)
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Phone: 919-541-9729
Alternate Work Location: 301-385-3440

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From: Ross, Mary <Ross.Mary@epa.gov>
Sent: Monday, June 14, 2021 12:42 PM
To: George Thurston <george.thurston@nyu.edu>
Cc: Sacks, Jason <Sacks.Jason@epa.gov>; Dutton, Steven <Dutton.Steven@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>; Frey, Christopher <Frey.Christopher@epa.gov>; Rodan, Bruce <rodan.bruce@epa.gov>
Subject: RE: BenMap ? Re: ISEE Listening Session

Hi George. That was probably Jason Sacks, who works with OAR on BenMap related issues (OAR developed and manages BenMap). Jason, can you connect George with the right people in OAR? Thanks.

Mary Ross, PhD (she/her/hers)
Director, Office of Science Advisor, Policy and Engagement
Office of Research and Development
Washington DC 20460
202-564-8379
mobile 571-255-0127

From: George Thurston <george.thurston@nyu.edu>
Sent: Monday, June 14, 2021 12:22 PM
To: Ross, Mary <Ross.Mary@epa.gov>
Subject: BenMap ? Re: ISEE Listening Session

Mary,
My notes of the call are sketchy. (Both leading the call and keeping notes are beyond my multi-taking skills!)
It seemed to me that, on the call, they said that they looked into making it more relevant to EJ communities, but the inputs needed were not available. We at ISEE could help with getting RR's more relevant to sensitive sub-populations.
Do you recall who is/could be working on improving BenMap?
George

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And let us not grow weary while doing good, for in due season we shall reap if we do not lose heart.
Galatians 6:9

From: "Ross, Mary" <Ross.Mary@epa.gov>
Date: Monday, June 7, 2021 at 1:02 PM
To: "Frey, Christopher" <Frey.Christopher@epa.gov>, "Cascio, Wayne" <Cascio.Wayne@epa.gov>, "Dutton, Steven" <Dutton.Steven@epa.gov>, "Sacks, Jason" <Sacks.Jason@epa.gov>, "Woodruff, Tracey" <Tracey.Woodruff@ucsf.edu>, "Abiodun.Oluyomi@bcm.edu" <Abiodun.Oluyomi@bcm.edu>, "Kioumourtzoglou, Marianthi-Anna" <mk3961@cumc.columbia.edu>, "Atanu.Sarkar@med.mun.ca" <Atanu.Sarkar@med.mun.ca>, "francine.laden@channing.harvard.edu" <francine.laden@channing.harvard.edu>, "joel@hsph.harvard.edu" <joel@hsph.harvard.edu>, George D Thurston <george.thurston@nyu.edu>, Ruth Etzel <retzel[Ex. 6]>, "Brennan, Thomas" <Brennan.Thomas@epa.gov>, "Yeow, Aaron" <Yeow.Aaron@epa.gov>
Cc: "nhfrl@channing.harvard.edu" <nhfrl@channing.harvard.edu>, "gdt1@nyu.edu" <gdt1@nyu.edu>, "joelschwrtz69[Ex. 6]h" <joelschwrtz69[Ex. 6]
Subject: RE: ISEE Listening Session

Hi all, I meant to put this in the chat for the meeting we had just now – this is the regulatory review executive order.

https://www.whitehouse.gov/briefing-room/presidential-actions/2021/01/20/modernizing-regulatory-review/

-----Original Appointment-----
From: Frey, Christopher <Frey.Christopher@epa.gov>
Sent: Thursday, June 3, 2021 12:54 PM
To: Frey, Christopher; Cascio, Wayne; Dutton, Steven; Sacks, Jason; Woodruff, Tracey; Abiodun.Oluyomi@bcm.edu; mk3961@cumc.columbia.edu; Atanu.Sarkar@med.mun.ca; francine.laden@channing.harvard.edu; joel@hsph.harvard.edu; George Thurston; retzel[Ex. 6]; Brennan, Thomas; Yeow, Aaron; Ross, Mary
Cc: nhfrl@channing.harvard.edu; gdt1@nyu.edu; joelschwrtz69[Ex. 6]
Subject: ISEE Listening Session
When: Monday, June 7, 2021 12:30 PM-1:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Microsoft Teams Meeting

Listening session with the Policy Committee of the International Society for Environmental Epidemiology's (ISEE) North American Chapter.

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Message

From: Cowden, John [Cowden.John@epa.gov]
Sent: 9/3/2021 1:00:50 PM
To: Hotchkiss, Andrew [Hotchkiss.Andrew@epa.gov]; Lee, Janice [Lee.JaniceS@epa.gov]; Persad, Amanda [Persad.Amanda@epa.gov]; Keshava, Channa [Keshava.Channa@epa.gov]; Johnstone, Andrew [Johnstone.Andrew@epa.gov]; Arzuaga, Xabier [Arzuaga.Xabier@epa.gov]; Jones, Ryan [Jones.Ryan@epa.gov]; Jones, Samantha [Jones.Samantha@epa.gov]; Rooney, Andrew (NIH/NIEHS) [E] [andrew.rooney@nih.gov]; ram.ramabhadran [Ex. 6]; Gift, Jeff [Gift.Jeff@epa.gov]; Wilson, Richard [Wilson.Dick@epa.gov]; jackfowle [Ex. 6] patty [patty@pattysellsnc.com]; rgantonel [Ex. 6] Hubal, Elaine [Hubal.Elaine@epa.gov]; meagankmadden [Ex. 6] Philpott, Olivia [Philpott.Olivia@epa.gov]; 'Thomas, David' [Thomas.David@epa.gov]; Thomas, Russell [Thomas.Russell@epa.gov]; D'Amico, Louis [DAmico.Louis@epa.gov]; 'Gaul, Chuck' [Gaul.Chuck@epa.gov]; Breeze, Joan [Breeze.Joan@epa.gov]; Whitlow, Jeff [Whitlow.Jeff@epa.gov]; Wade, Tim [Wade.Tim@epa.gov]; Baghdikian, Christina [Baghdikian.Christina@epa.gov]; Hoffman, Brian [Hoffman.Brian@epa.gov]; Vette, Alan [Vette.Alan@epa.gov]; Stroup, Gene [Stroup.Gene@epa.gov]; Voorhees, Scott [Voorhees.Scott@epa.gov]; Bass, Katherine [Bass.Katherine@epa.gov]; Blair, Susanna [Blair.Susanna@epa.gov]; Loughran, Michael [Loughran.Michael@epa.gov]; Williams, Antony [Williams.Antony@epa.gov]; Patlewicz, Grace [Patlewicz.Grace@epa.gov]; Shah, Imran [Shah.Imran@epa.gov]; Judson, Richard [Judson.Richard@epa.gov]; Rappazzo, Kristen [Rappazzo.Kristen@epa.gov]; Raimondo, Sandy [Raimondo.Sandy@epa.gov]; ljoca802 [Ex. 6]; Lavoie, Emma [Lavoie.Emma@epa.gov]; Scarano, Louis [Scarano.Louis@epa.gov]; Updike, David [Updike.David@epa.gov]; 'Frithsen, Jeff' [Frithsen.Jeff@epa.gov]; George, Elizabeth [george.elizabeth@epa.gov]; ben.zukowski [ben.zukowski@yale.edu]; Holt, Daniel [Holt.Daniel@epa.gov]; Cybulski, Walter [Cybulski.Walter@epa.gov]; Burden, Susan [Burden.Susan@epa.gov]; thehamms19 [Ex. 6] Herries, Katherine [Herries.Katherine@epa.gov]; Schultz, Zachary [Schultz.Zachary@epa.gov]; Doyle, Laura [Doyle.Laura@epa.gov]
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Subject: Message from the Assistant Administrator of Hawaiian Shirt Fridays - Aloha and mahalo

Aloha Casual Friday Colleagues,

Colder days, longer nights, and the Red Sox working hard to remain socially distanced from the post-season surely means that summer is drawing to a close. Labor Day marks the unofficial end of summer and the official end of Hawaiian Shirt Fridays.

I hope that this email finds you and your families safe and well. I enjoyed seeing your "Friday best" via emails and Teams. In this challenging summer, Hawaiian Shirt Fridays were a bright spot for me and I hope that they added a little color to your Fridays as well. I look forward with hope that we can celebrate Hawaiian Shirt Fridays in person next year. And the return of our annual awards! 😊

As I have stated before, and remains true today, I am both humbled and honored to serve as your AA of Hawaiian Shirt Fridays. Until the first Friday after Memorial Day, Aloha and mahalo!

John

John Cowden, Ph.D.
Pronouns – he/him/his
Assistant Administrator of Hawaiian Shirt Fridays

U.S. Environmental Protection Agency - RTP
Office: (919) 541-3667
Mobile: (919) 451-7651

Though the sea be deep and rough, the coral rock remains standing.

- Hawaiian Proverb

If I am not the Federal Contracting Officer or Contracting Officer Representative (CO/COR) on your contract please do not consider this technical direction (TD). Any TD will be formally identified and/or documented from your CO or COR.

- EPA proverb

John

John Cowden, Ph.D.
Pronouns – he/him/his
Branch Chief
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From: Cowden, John <Cowden.John@epa.gov>
Sent: Thursday, June 3, 2021 4:15 PM
To: Hotchkiss, Andrew <Hotchkiss.Andrew@epa.gov>; Lee, Janice <Lee.JaniceS@epa.gov>; Persad, Amanda <Persad.Amanda@epa.gov>; Keshava, Channa <Keshava.Channa@epa.gov>; Johnstone, Andrew <Johnstone.Andrew@epa.gov>; Arzuaga, Xabier <Arzuaga.Xabier@epa.gov>; Jones, Ryan <Jones.Ryan@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Rooney, Andrew (NIH/NIEHS) [E] <andrew.rooney@nih.gov>; ram.ramabhadran [redacted]>; Gift, Jeff <Gift.Jeff@epa.gov>; Wilson, Richard <Wilson.Dick@epa.gov>; jackfowle[redacted]patty <patty@pattysellsnc.com>; rgantonel [redacted]; Hubal, Elaine <Hubal.Elaine@epa.gov>; meagankmadden[redacted]; Philpott, Olivia <Philpott.Olivia@epa.gov>; Thomas, David <Thomas.David@epa.gov>; Thomas, Russell <Thomas.Russell@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; 'Gaul, Chuck' <Gaul.Chuck@epa.gov>; Breeze, Joan <Breeze.Joan@epa.gov>; Whitlow, Jeff <Whitlow.Jeff@epa.gov>; Wade, Tim <Wade.Tim@epa.gov>; Baghdikian, Christina <Baghdikian.Christina@epa.gov>; Hoffman, Brian <Hoffman.Brian@epa.gov>; Vette, Alan <Vette.Alan@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>; Voorhees, Scott <Voorhees.Scott@epa.gov>; Bass, Katherine <Bass.Katherine@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Williams, Antony <Williams.Antony@epa.gov>; Patlewicz, Grace <Patlewicz.Grace@epa.gov>; Shah, Imran <Shah.Imran@epa.gov>; Judson, Richard <Judson.Richard@epa.gov>; Rappazzo, Kristen <Rappazzo.Kristen@epa.gov>; Raimondo, Sandy <Raimondo.Sandy@epa.gov>; ljoca802 [redacted]; Lavoie, Emma <Lavoie.Emma@epa.gov>; Scarano, Louis <Scarano.Louis@epa.gov>; Updike, David <Updike.David@epa.gov>; 'Frithsen, Jeff' <Frithsen.Jeff@epa.gov>; George, Elizabeth <george.elizabeth@epa.gov>; ben.zukowski <ben.zukowski@yale.edu>; Holt, Daniel <Holt.Daniel@epa.gov>; Cybulski, Walter <Cybulski.Walter@epa.gov>; Burden, Susan <Burden.Susan@epa.gov>; thehamms19 [redacted] Herries, Katherine <Herries.Katherine@epa.gov>; Schultz, Zachary <Schultz.Zachary@epa.gov>; Doyle, Laura <Doyle.Laura@epa.gov>
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Subject: Message from the Assistant Administrator of Hawaiian Shirt Fridays - Luau tomorrow

Aloha Casual Friday Colleagues,

As you may already know, Friday is the first official Hawaiian Shirt Friday of 2021. To celebrate, the 14th Annual Hawaiian Shirt Friday VIRTUAL kickoff luau ***TOMORROW***! Although I won't be able to provide the traditional luau feast of pineapple pizza and Hawaiian Punch, remote locations allow for a broader beverage selection. ☺

Particulars

What: 14th Annual Hawaiian Shirt Friday Kickoff **VIRTUAL** Luau

When: 1:00 pm on June 4th (the first official Hawaiian shirt Friday of 2021)

Where: MS Teams page and videoconference (*calendar invite coming soon, but the link is below*)

Microsoft Teams meeting

Join on your computer or mobile app

Click here to join the meeting

Or call in (audio only)

Ex. 6 United States, Washington DC

Phone Conference ID: Ex. 6

Find a local number | Reset PIN

By participating in EPA hosted virtual meetings and events, you are consenting to abide by the agency's terms of use. In addition, you acknowledge that content you post may be collected and used in support of FOIA and eDiscovery activities.

Learn More | Meeting options

Attire: While Hawaiian attire and Allen Davis-level footwear (i.e. flip-flops) are encouraged, they are NOT required

What to bring: Friends! *(i.e., feel free to forward the meeting invite)*

Aloha!

John

John Cowden, Ph.D.
Assistant Administrator for Hawaiian Shirt Fridays
U.S. Environmental Protection Agency - RTP
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Though the sea be deep and rough, the coral rock remains standing.
- Hawaiian Proverb -

If I am not the Federal Contracting Officer or Contracting Officer Representative (CO/COR) on your contract please do not consider this technical direction (TD). Any TD will be formally identified and/or documented from your CO or COR.
- EPA Proverb -

Message

From: Matthews, Lisa [Matthews.Lisa@epa.gov]
Sent: 9/8/2021 9:43:02 PM
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Subject: Thank you and follow-up: ERIS-EPA ORD Virtual Meeting
Attachments: ERIS Board August 21 Action Items.docx; Climate and Equity Research Input Listening Sessions Thematic Summary FINAL.pdf; Wildland Fire Research LS thematic summary.pdf; ERIS Board Aug 2021 Meeting Summary(draft).docx

Good afternoon,
On behalf of EPA's Office of Research and Development, thank you for taking the time out of your busy schedules to meet with us this past August. While we wish we could have met in person, we're grateful to have held a successful virtual meeting. We appreciate the discussions and feedback to help us better align ORD's research with state needs.

Attached are the list of follow-up action items from the meeting and draft meeting summary. Our goal is to complete action items within 30 days from the meeting except for those items that are longer-term in nature. One of these action items was to share the thematic summaries from past listening sessions on wildland fire research and climate and equity, which I've also attached here. Please review the draft meeting notes and send any corrections, additions, etc. to Erin McCabe and me by next **Friday, September 17**.

Lastly, happy to share final ORD State Engagement Numbers & Highlights infographic—a new communication tool to highlight ORD's work with states over the past year. The numbers and recent highlights illustrate the strength of our partnerships that enhance each organization's mission as we strive together to protect the environment and public health. ORD's work with ECOS/ERIS has continued to improve over the past few years and is now a sustainable platform from which translational science and problem solving occur. We look forward to continuing to work together to build a stronger and mutually beneficial partnership.

Best,
Lisa

Lisa Matthews
Senior Advisor and State Liaison
US EPA Office of Research and Development
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Learn about EPA Research to support States at www.epa.gov/research-states.

ERIS Board-ORD August Meeting – Follow-up Action Items

Action Item Description	Assigned to	Status
Send David Paylor information on algal mats (HABs) in rivers.	SSWR/Anne Rea	Completed 8/30/2021
Schedule fall quarterly call with ERIS Board to discuss FY22 work plan and brainstorm future environmental challenge topics.	Sarah Grace Longsworth, Lisa Matthews	In progress
Follow-up with Madeline Beale on progress made on risk comms toolbox to share with ERIS Board.	Lisa Matthews	
Share thematic summaries from past listening sessions with ERIS Board.	Lisa Matthews, Erin McCabe	Completed 9/8/2021
When EPA is out talking with communities, make sure there is good communication with the states.	Andrew Geller, Chris Robbins	
One Health – consider adding healthcare professionals – could help move the needle if they became engaged.	Lisa Matthews to raise with workshop planning committee	
Clarify for ERIS Board the difference between Science Inventory & SMaRT Search.	Jacques Kapuscinski, Lisa Matthews	

Climate/Equity Research Input Listening Sessions with Tribes and State/Local Agencies: Thematic Summary

In planning for the next Strategic Research Action Plan (FY23-FY26 StRAP), EPA held four listening sessions (July 6, 7, 8 and 15, 2021) with State, local and Tribal participants ("State/Tribal partners") and this document contains a thematic summary of their perspectives on research needs related to Climate and Equity.

Note: Comments may be duplicated if they pertained to more than one theme.

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Air Quality

Indoor Air Quality

- Mold and low indoor air quality in low-income or vulnerable communities; more people stay inside in extreme heat and/or extreme events.

Ozone

- State/Tribal partners expressed concerns with meeting air quality standards; difficult to maintain in urban areas, with wildfires, and diesel traffic; several states mentioned the need to do an exceptional event demonstration due to wildfires.
- Information on how climate change will impact ozone formation, ozone precursors and VOCs:
    - Changes to future NAAQS
    - Health impacts

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- Practices and tools that consider implications of land use planning and transportation (transportation is in some cases the largest source of GHG emissions) on GHG and ozone

Pollen

- Concern in many states, most notably in Northeast and Midwest, about increasing pollen levels and increased growing seasons
    - Impacts on health and respiratory conditions, i.e., asthma
- Need for national monitoring system for aeroallergens – baseline data and predictions
- Choosing the least pollen-generating tree species for urban forests could be an important consideration

Wildfires

- Major concern for many State/Tribal partners, especially across the West and Plains states
- Widely shared concern about wildfire smoke and air pollution, and implications for meeting NAAQS
    - Impact on health of local communities, EJ and Tribal communities
    - Improvements to AirNow Fire and Smoke maps

Economy

Economic Impacts – rural and urban

- Rural and economic impacts, including the cost of inaction and impacts on food systems and agriculture
- Impacts of distribution of market goods and being able to secure basic commodities i.e., food, health care, toilet paper

Tourism

- Impacts on snow and river-based tourism; need predictive tools for snowpack and water levels

Ecosystems

Carbon sequestration

- Better understand carbon sinks from vegetation and ecosystems
    - Different methods of storing carbon in soil and the relative benefits of these techniques (i.e., grasses, trees, no-till farming) in different climate scenarios and geographies (*EPA noted this is a USDA effort*)
- Carbon sequestration using coastal estuaries, kelp, fresh water, and wetlands ("blue carbon") can also promote wetlands that can mitigate climate impacts
- Impacts to carbon sequestration from permafrost melt

Changing Ecosystems

- Impact of increasing water temperature and water quantity (due to changing precipitation and snowmelt) on cold-water fish species (salmon, trout, shellfish, other fish in mostly cold-water

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treaty-right fisheries) and on coastal kelp farming (what kelp species will survive as ocean changes)
- Impact on agriculture (crops such as soybeans, rice, poultry) and wildlife; "assisted migration of key species to the tribal way of life" (i.e., impact of the change in seasons on culturally significant resources, and collaborate with geographically proximate tribes to assess how similar resources are changing)
- Impact of federal land management on water systems

Coastal Impacts

- State/Tribal partners expressed concerns about sea level rise, ocean acidification, saltwater intrusion, and invasive species.

Heat

- Impacts to growing seasons (longer growing seasons)
- Melting permafrost

Traditional knowledge

- Impacts of climate change on traditional foods (i.e., manoomin or wild rice) and on increased invasive species
- Understand what cultural and ecological resources are critically important to Tribes (speak with medicine men, TIPOs, others)

Energy

Building Efficiency

- Guidance on energy efficiency at public infrastructure (heating and cooling shelters for emergency response) and residential buildings that use natural gas or have high energy burdens

Energy Transitions

- Impacts, especially on communities, of energy transitions to:
    - Traditional and cultural resources
    - Disadvantaged communities, especially for equitable access to clean technology
    - Communities that produce fossil fuels, i.e., supporting workers who are now jobless
- State/Tribal partners are looking for guidance on electrification of buildings and transportation
- Simply changing the source of energy will solve some problems but create others, i.e., mining for copper and palladium to create new energy systems could exacerbate local extinctions and cultural issues

Life Cycle of Clean Energy

- Concern with clean technology end-of-life issues; need for info on safe disposal and recycling options

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Exposures and Health

COVID

- COVID as a climate change impact:
    - We miss the point if this isn't acknowledged
    - Human health and environment work together
- Pandemic has highlighted disproportionate impacts to low-income communities; climate change will do the same
- COVID has created staffing shortages and other concerns, such as children in school, elders, that can come ahead of environmental programs

Chemical Exposures

- Recommend that ORD add focus on chemical safety as it relates to climate change - warming could magnify the toxicity and/or increase the mobility of chemicals released into the environment, and could change exposure profiles, especially for fenceline communities
- Worried about PFAS, fire suppressants, pesticides, etc., and the need for safe substitutes

Communication

- Need communication tools & guidance in reaching out to populations unaware of the importance of climate change and the health effects

Heat

- Increased heat-related illnesses, esp. in urban areas (urban heat island effect) but also in rural areas with outdoor workers

Vectors

- State/Tribal partners are worried about mosquitoes and ticks. Specifically relating to vector-borne diseases including Zika, West Nile Virus, EEE, and Lyme Disease
- Would like to better understand connection to climate, climate drivers, and land use drivers

Extreme Events

Changing Precipitation Patterns

- Concern about changes in water availability, and effects of floods and drought on private wells
- Understand how and when precipitation is changing - need tools to predict flooding and drought
- Concern about impacts to combined water/sewer systems (CSOs) – runoff can cause unexpected discharges. Modeling may be based on outdated information and may not account for future precipitations patterns; Need on the ground information for communities on how to prepare
- Runoff has impacts on drinking water, wells and septic systems, food production
- Physical and mental health impacts of extreme events, especially on minority and low-income communities
- Need solutions that don't cause gentrification

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Drought

- State/Tribal partners are concerned about the impacts of drought - how to adapt, the impacts on farming, rural livelihood, and tourism/economic impacts in the Southwest
- Impact on algal blooms, wildfires

Emergency Response

- State/Tribal partners are concerned about emergency response, planning and preparedness
- Tribal communities are overloaded from COVID and other events, and see impacts to "resilience" and the capacity to respond to emergencies
- Ensuring refueling operations/locations is important to emergency response

Population Migration

- Future population migrations due to climate change is an under-researched area

Urban vs. rural

- Different impacts on rural vs. urban center populations with respect to transportation, flooding, extreme heat and extreme cold

Government and Policy

Funding and Capacity

- Many State/Tribal partners mentioned that increased capacity at local, community and state levels is necessary for major climate work to be implemented
- Need funding options for state departments and local communities

Intragovernmental Collaboration

- Many State/Tribal partners called for increased collaboration between federal agencies on climate work
    - Avoid gaps and duplications

Policy

- State/Tribal partners encouraged a "climate-in-all" policy approach.
- Need help on policy analysis (visualization tools to be able to see the impact of different scenarios on health and equity), guidance on incorporating climate action into existing programs and how to support policy decisions (using climate modeling)

State/Federal Collaboration and Capacity

- State/Tribal partners brought up desire for more state and federal interaction regarding climate work
    - CDC: BRACE program and Social Vulnerability Index
    - Highlight the importance of local government
    - Maintain cooperative federalism

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Land Management

Built Environment

- Large infrastructure is not built for current or future climate – need ways to communicate with city planners to prepare buildings and infrastructure for future conditions
- Impacts of melting permafrost on infrastructure

Carbon Sequestration

- State/Tribal partners are interested in more information and research regarding carbon sequestration practices on a variety of land types (soils, no till farming, wetlands, long-lived wood products, federal natural and working lands, permafrost, rangeland)

Federal land management

- High percent of federal lands, esp. at elevation, are sources of water; how that land is managed affects water availability for agriculture, fishing, drinking, and recreation - look to British Columbia for watershed security strategies and funding mechanisms

Hazardous Waste

- Concerned about underground storage tanks and contaminated sites and impacts on surrounding communities
    - Cumulative impacts
    - Inventory of mine sites

Population Migration

- Concerns (particularly from northern states, western Great Plains states, and northern Tribes) about overflow of tourists that overwhelm highway systems and local resources
- Concern about longer term visits from individuals due to climate change (one Tribe commented that an estimated 50,000 individuals recently visited as an escape from wildfires and hurricanes, but visitors do not adhere to the Tribe's culture and norms and crowd traditional outdoor spaces)
- Concern about future climate migration (and the stresses an influx of people places on infrastructure, health care, economics, environment, water and sanitation) and the need for migration modeling and predictions, especially those that scale down to smaller areas

Transportation

- Transportation planning practices and tools that provide an ability to weigh trade-offs between GHG emissions and all the other criteria that transportation planning must consider; opportunity for integrated tools for GHG emissions that can be used by both transportation, metropolitan planning, and environmental departments

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Modeling and Monitoring

Data Limitations

- State/Tribal partners mentioned concerns about tools not representing Tribal geographies and limitation of US census data for specific populations
- Call for more partnership with social scientists
- Tribes are concerned about maintaining data sovereignty and integrity in partnerships
- Gap between science and decision makers
- Need to also consider other forms of knowledge (Traditional Knowledge), including those that are unfamiliar or unknown
- Challenges in data collection practices (communication and analytical gaps)
- Are models doing what we need them to do?
- Need better understanding of how data sets can work together, data gaps

Helpful Tools and Assessments

- State/Tribal partners appreciate the National Climate Assessment work, GLIMPSE, LISTOS, and EJSCREEN
- Uniform guidance from EPA is always helpful

Missing Tools

- State/Tribal partners identified over 30 areas where new tools would be helpful
- A general theme was to have tools available at more granular levels including localized air pollution data
- Tools around water, including monitoring fish cycles, management of water systems, groundwater, and tools for expanding on existing water programs
- Community-centered tools and the need for locally driven participatory research to help build individual resilience, help communities address/develop resiliency
- Health equity tools
- Environmental justice (EJ) tools including EJ data on energy and disproportionate impacts, EJ tools that include granular levels, cumulative and social impacts, help with identification of EJ communities and EJ definitions, EJ mapping tools, and equity modeling
- Communication tools for engaging with communities and the public
- Policy tools including policy analysis, vulnerability assessments, economic models, and planning tools
- Tools for predicting climate migration

Model Improvements

- Data consolidation would be helpful
- Data should be usable and scalable to smaller areas
- EJSCREEN improvements include cumulative impacts and social vulnerability data, state-level economic impacts, more user-friendliness, more granularity, projected climate change impacts, identification of impacted communities
- Demographic and disease projections

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Monitoring

- More baseline and long-term monitoring
- Guidance on how to conduct air quality monitoring in overburdened communities (number and location on monitors, what pollutants to monitor, democratize collection of data)

Tribal Concerns

Cultural Impacts/Issues

- State/Tribal partners are concerned with traditional and cultural impacts of climate change including impacts to species (maple syrup, paper birch, wild rice), impacts to cultural resources (rock art)
- For a Tribe, there is no separation between culture and the environment, but cannot incorporate cultural issues into environmental grants (i.e., "[Indian Environmental] GAP (General Assistance Program) work plans for grants prohibit cultural issues")
    - Examples: tribal water quality work is a cultural value because a Tribe may view water as life; oak trees more susceptible to insect attack because of stress from drought is both cultural and environmental.
    - True commitment to acknowledging tribal sovereignty and performing meaningful consultation means that federal agencies must acknowledge culture in addition to science and the environment.

Equity

- State/Tribal partners mentioned that equity work cannot only start with climate change but must address all the other injustices that communities face. Other pressing issues often are of more concern to individuals than climate change
- Information access is a form of inequity
- Tribes are being asked to bear the cost of adaptation measures and to change systems for an issue [climate change] to which they have not contributed
- Climate change discussion is focused on adaptation to changes brought on by industrialism, not on mitigation – researchers should focus on the causes in addition to the effects. What research can be performed with Tribes and in general to develop systemic solutions (i.e., broad behavior changes) to climate change?

Traditional Knowledge

- Many State/Tribal partners mentioned that western science doesn't value traditional and Indigenous knowledge. Indigenous knowledge can be used to understand the value of resources and the impacts from a Tribal perspective
- Impacts of climate change on tangible cultural resources (e.g., rock art), physical, cultural, spiritual health, local food sovereignty and sustainability, sustainable solutions (i.e., the easier it is to do something, the more likely people are to do it)

Tribal Sovereignty

- Legal issues around Tribal Sovereignty - Tribes without reservations have less control

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Urban vs. Rural

- Extreme heat and the effects on people. Rural heat impacts, especially in rural areas without air conditioning. Looking for guidance and tools on rural adaptation, predictions, and interventions
- Increased heat-related illnesses, esp. in urban areas (urban heat island effect) but also in rural areas with outdoor workers
- Different impacts on rural vs. urban center populations with respect to transportation, flooding, extreme heat and extreme cold.

Water Quality

Combined Sewer Systems

- State/Tribal partners are concerned about combined sewer systems and street and stormwater flooding. Systems cannot handle large amounts of precipitation
- Concern that model predictions are based on outdated information, makes it hard to plan for improved water infrastructure

Desiccation/Dustification

- Not many resources on dustification and how to protect our community, land, and water
    - What effects does dust have on land and water? What does that mean to the future of our cultural practice?

Harmful Algal Blooms

- State/Tribal partners are concerned about harmful algal blooms increasing with climate change
    - Hard to monitor across large areas
    - Impacts on local water resources

Oil and Gas

- Treatment and reuse of water from the O&G sector; toxicological studies of produced water

Permafrost

- Concern from Alaska in particular about the impacts of permafrost melt on water quality, contaminants, and erosion

Residential Water and Private Wells

- Concerns about flooding on private wells, major concern in rural areas, contamination in groundwater sources
- Concerns about small communities that are running out of water
- Could use information on climate resources & to build capacity for planning & developing policy to address water quality and quantity impacts

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Working with Communities

Community-Based Work

- Many State/Tribal partners expressed need for communication resources
    - How to communicate with different types of communities
- Shared information on what has worked well for others in terms of community-based work and environmental justice
- Resources for communities to implement climate action plans and address burdens
- Community specific funding needs

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State and Tribal Wildland Fire Issues: Thematic Summary of Notes from Listening Sessions

Tom Long, Assistant Center Director, Center for Public Health and Environmental Assessment

Darcie Smith, Assistant Center Director, Center for Environmental Solutions and Emergency Response

Bryan Hubbell, National Program Director, Air, Climate, and Energy National Research Program

Briefing for Program and Regional Offices
May 13, 2021

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Workgroup Members

- Bryan Hubbell, ACE; Lisa Matthews, IOAA; Jose Zambrana, CEMM

- Serena Chung, OSAPE
- Kathie Dionisio, CSS
- Rick Greene, SSWR
- Annette Guiseppi-Elie, CEMM
- Beth Hassett-Sipple, CEMM
- Sherri Hunt, ACE
- Chris Impellitteri, SSWR
- Sang Don Lee, HS/CESER
- Tom Long, CPHEA
- Anne Rea, CPHEA
- Angie Shatas, ACE
- Mike Slimak, SHC
- Darcie Smith, CESER
- Suzanne VanDrunick, SSWR
- Joe Williams, SSWR
- Tiffany Yelverton, CEMM

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Tribal and State Listening Sessions

- Lisa Matthews (states) and Jose Zambrana (tribes) organized two listening sessions each during Jan-Mar 2021 to solicit input on key issues related to wildland fire
- We heard from 28 agencies representing 14 states, and 56 tribal members
- Very positive feedback with support for our research
- Many of the issues they raised are already part of our research portfolio
  - In the following slides, areas where we are already conducting research are in black, and potential new areas for ORD research are in blue

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Thematic Overview

- Most issues raised were related to topics with active ORD research:
  - Monitoring
  - Modeling
  - Exposure and Health
  - Water Quality and Ecological Effects
  - Climate
  - Resilience and Preparedness
- Other issues were related to areas where ORD can be a partner (e.g., AirNow updates)
- Several issues are of special interest to tribes (e.g., cultural burning)

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Monitoring

- Improved smoke measurements and an understanding of chemistry, particle size, and composition
- Documentation of low-cost sensor performance compared to Federal Reference Method/Federal Equivalent Method instruments
- Incorporation of sensor data into mapping applications and modeling analyses

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Modeling

- Improve model resolution, both in space and time
  - Small-scale topography (e.g., smoke behavior in valleys)
  - Local/neighborhood scale resolution to capture effects on communities, including those with EJ concerns
  - Better fire start detection
- Long-range transport from neighboring states
- Model combining smoke, weather, and economic impact for cost-benefit analyses of prescribed burning
- Integration of real-time monitoring data for real-time model adjustments
- Alternative modeling approaches (statistical, reduced-form)
- Improved emission factors for structures, vehicles, etc.

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Exposure and Health (1 of 2)

- Effectiveness of interventions to reduce smoke and $PM_{2.5}$ exposure
  - Face masks, indoor air cleaners, different HVAC setups, clean air shelters, DIY box fans, HEPA filters, etc.
  - Universal DIY box fan filter instructions – could work with manufacturers
- Guidance documents
  - Maintaining indoor air quality at high-risk locations (e.g., schools, nursing facilities)
  - Evaluation and mitigation of buildings for potential smoke intrusion
  - Creating safe spaces for elders and others with respiratory issues
- Smoke composition and health effects based on fire suppression activities, fuel type, transport, and photochemistry

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Exposure and Health (2 of 2)

- More information on effects of short-term exposures (< 24 hr)
  - Which populations are most at risk
  - Differential effects and threshold values for 1 hr, 3 hr, 6 hr, etc. exposures
- Research on effects of chronic exposure, both for the general population and those involved in fire suppression
- Mental health impacts of multi-day smoke events
- Research on communication methods and their effectiveness in reducing exposures
  - Resources and messaging in other languages such as Spanish
  - Training for risk communicators and tribal health agencies
  - Messaging on preparing for and avoiding chemical exposures after a fire
  - Health data translated for the general public
  - Work with communities to find out what they want

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Water Quality and Ecological Effects

- Receiving water quality – ash, nutrients, sediment, temperature
- Drinking water quality
  - How far and for how long do effects extend?
  - Predictive modeling
  - Decontamination methods
  - Methods for determining contamination source
  - Investigate VOCs in water lines
- Loss of native plants and unfavorable regrowth conditions

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Climate

- Research on the impact of climate change on wildfires and resulting health and ecological effects
- Prevention of catastrophic high-wind fires in inhabited forests
- Link between fire behavior and carbon emissions
- Fire effects on carbon cycle
  - Relative production of black carbon and white ash depending on fuel type and fire behavior
  - Biochar production

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Resilience and Preparedness

- Community resilience
  - Characterize economic, societal, and community-level impacts
  - Policy-relevant solutions to increase resilience for both individuals and communities
  - Interventions that can benefit populations facing inequities in health, risks, and living conditions
- Preparedness
  - Effectiveness of prescribed burns and how smoke may differ from wildfire smoke
  - Fire impacts on hazardous waste and Superfund sites
  - Impacts from ash deposition
  - Methods to characterize ash for resuspension and disposal
- Regulatory compliance
  - Improved understanding of fire impacts on ozone formation
  - Long-range transport of ozone, PM2.5, and smoke

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Issues of Special Interest to Tribes

- Cultural Burning
  - Separate cultural burning from prescribed burning to consider cultural reasons in air quality management plans
  - Smoke is usually referred to as a negative in need of control (i.e., pollution) and stakeholders request that discussions of smoke also include positive aspects (e.g., when used for cultural reasons).
- Natural background conditions for regulatory compliance should include Native American burning activities, and the natural return interval should include indigenous burning practices
- Post-fire salmon habitat (water temperature, ash deposition)
- Development and improvement of climate change adaptation plans
- Protection of sacred sites and homelands

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Next Steps

- Share combined feedback with other relevant agencies (e.g., USFS, DOI)
- Summarize feedback in a strategy document to inform the StRAP4 planning process (summer 2021)
- Hold webinar for states and tribes to share what we heard and what our plans are for the next research cycle

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Discussion Questions

1. *Wildland fires can impact human health and the environment in many ways. What are the **top 2-3** challenges facing your Office or Region related to wildland fires (including wildfires and prescribed fires) and smoke?*
   a. *Smoke from wildland fires. What aspect of smoke are you most concerned about?*
   b. *Impacts of wildland fires on water quality. What aspects of water quality are you most concerned about?*
   c. *Cleanup from smoke, ash, surface water runoff to water bodies, and debris following a wildland fire. Impacts of wildfires on hazardous materials from nearby remediation, manufacturing, storage, or testing sites.*
   d. *Communicating risk and risk-reducing behaviors during a wildland fire smoke event.*
2. *Do the wildland fire research areas on which ORD is focusing align well with your Office or Region's science and technical needs?*
   a. *Are there specific areas of focus that you would suggest emphasizing or deemphasizing?*
   b. *Is there anything missing from ORD's planned wildfire research portfolio that is important to your Office or Region?*

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Thank you for your time!

Questions & Comments Welcome

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Supplemental Slides

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Topics Where ORD Can Be A Partner

- AirNow updates (short-term AQI, county-scale advisories)
- Incorporating NWS ASOS ceilometer data
- Smoke forecast improvements
- Smoke Ready Communities enhancements (other sources of smoke, expanding to include business and residential structures)
- Public database on wildfire impacts, tools/resources, and sociodemographic vulnerability indicators
- Consider loss of subsistence resources when selecting burn days
- Improved regional emissions inventory to support NAAQS and regional haze planning under future scenarios

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Other Issues Mentioned

- Need for monitors (and associated funding) to fill network gaps, measure air toxics, and characterize indoor air quality
- Fast, easy-to-use, and accurate forecasts that are updated during the day
- Reduce the time between a smoke event and when an ARA arrives and/or events are communicated
- Consistent messaging when there is confusion around different numbers from different sources (e.g., NowCast vs AQI, low cost personal sensors vs local monitoring)
- Documenting post-fire effects on water quality and providing real-time data to drinking water providers
- Stakeholders noted a specific data gap is exceptional event reporting for water quality and how that is incorporated into water quality assessments. They also note there is no clear way to deal with effects of wildland fire under the CWA
- Improved interagency coordination, including:
  - Partnership with OSHA to develop standards to protect outdoor workers
  - Include local fire departments in communication/coordination efforts
  - Coordinate prescribed burns at the national level to improve communication and avoid inundation by smoke from multiple fires
- Consolidated wildland fire database to streamline exceptional event process
- Anthropogenic ozone should be separate from wildfire ozone, and anthropogenic practices should be separate from natural practices under the CAA

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ERIS Board-EPA ORD Virtual Meeting
August 24-25, 2021

Meeting Summary

Session 1: EPA ORD Leadership Update

EPA ORD Leadership Update

- Priorities for the administration - climate, EJ and equity, scientific integrity
- Ongoing priorities for agency include:
    - PFAS and lead
    - HABs
    - Wildfire research
    - IRIS - hazard identification and dose-response assessments
    - Developing new approach methods (NAMs) to reduce use of animals in toxicity testing
    - Better solutions for identifying hazards
    - Improving drinking water quality (e.g., finding lead service lines)
    - Evaluating corrosion control treatments
    - Providing technical support

State feedback/questions

- David Paylor: Can you expand on cumulative impacts? It's being thrown around a lot right now, but we're not exactly sure what it means
    - Chris Frey: Ex. looking at the impacts of a marginalized community after adding another stressor to that community
        - Can be nonchemical stressors (socioeconomic) combined with chemical stressors
        - Can also look at it in reverse – adding good things (i.e. GI) to a community to reverse effects of stressors
        - From a science perspective, we want to be able to quantify outcomes – research challenge
    - David Paylor: We're struggling because there's no metrics associated with it. We're also not sure if the term "disproportionate impacts" is the same/different. In the context of permitting, how are cumulative impacts compared to other standards?
- Martha Rudolph: What is EPA doing now to look at issues that occur after the fact of wildfires? (i.e. road closures affecting commercial travel, water quality, etc.)
    - Chris Frey: We're looking at the more immediate issues to public health.
    - Wayne Cascio: Our past work has centered more on air quality, but we've been slowly transitioning to include water quality. Expect to see a lot more related to this in our next strategic research action plans (StRAPs)
        - Aftermath of fires – intense rainfalls cause flooding with lots of debris
            - Suspended particles in water quality
            - Toxic chemicals

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        - We're building relationships with other agencies (Forest Service, DOI, DOD, etc.) through the Wildland Fire Leadership Council
- Chuck Carr Brown: We issue permits based on quantitative measures. If we need to include cumulative impacts, we need to speed up the research on how to quantify it. EJSCREEN not to be used as a mapping tool. States are in the trenches right now.
    - Need help/tool to quantify EJ related stuff
        - Judges are sending permits back saying we need better EJ & cumulative impact analysis (every permit issued has someone ready to challenge it)
    - NJ has a statute – going to be lots of challenges
    - Chris Frey: We're aware we need to move as quickly as we can, but we also need to make sure the science is thought out
    - Wayne Cascio: We recognize the challenges states are facing. Using electronic health records as a data source will help us with this
    - Chuck Carr Brown: We need your help for people to understand that we need large datasets for accurate science/analysis on this. In the interim, judges are deciding for us
        - Trying to aggregate multiple census blocks with similar characteristics and do statistical analysis
- Scott Thompson: As you look at cumulative effects from stressors, don't forget that we can cause stress if standards are set to impossible levels and the public doesn't understand what's going on
    - Messaging about standards and risks needs to be more clear/transparent
    - Standards are still based on assumptions
    - Policy makers need to know that there's cushion room with some standards (i.e. EPA arsenic standard is unrealistic – about 12X below background)

Session 2: State Updates/Perspectives

Jess Byrne, Idaho DEQ

- Pandemic hasn't affected priorities
- Drought and climate
- Drinking water wells going dry in certain areas of state
    - Workload and funding challenges of trying to help systems
    - Fielding a lot of calls from communities
- HABs
    - Recreation is a major source of economic activity
- Wildfire smoke (from within the state and from neighboring states)
    - Improving on risk messaging
    - Coordination across federal + state governments has helped, but there's still a lot of work that could be done
- Emerging contaminants
    - PFAS, PFOA, pharmaceuticals
    - Fortunate that we don't have any large sources

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    - Land applications of wastewater and biosolids has created some unknowns and concerns
- Lake Coeur d'Alene in Northern Idaho (50 sq mile, 109 miles shoreline)
    - Large source of income in northern part of state
    - Downstream from one of the largest Superfund sites (Bunker Hill)
        - 80 million metric tons of contaminated sediment at the bottom of the lake, have been trying to manage metals through lake management plan
            - Trying to keep oxygen level high enough to keep it sequestered on the bottom of the lake
            - Seeing concerning trends – study well underway with National Academy of Sciences (NAS) (23-month study)
                - Might be an opportunity down the road to partner with ORD
- Updating water quality criteria for arsenic
    - Disapproved by EPA several years ago
    - Struggling with what is an appropriate level from human health perspective
    - Collected fish tissue and surface water data – not finding any correlation, makes implementation challenging
        - Fish tissue is more important for human health, but it's harder, more expensive to monitor

Chuck Carr Brown, Louisiana DEQ

- COVID standpoint – ground zero, 4th surge
- Climate Initiative Taskforce created in February 2020
    - Goal: net zero by 2050 (Oil and gas producers have rebranded themselves)
    - Economic standpoint – need to convert from gas to electricity, etc.
        - Natural gas will be a bridge fuel for the next 20 years
        - Electricity is about 25% of GHG generation
    - Considering carbon trading, but need neighboring states (OK, MS, TX) on board
    - Industrial folks are not shying away from carbon tax, but need to determine what would be done with the money
- Ethylene oxide is a major issue
    - Hard to compare background levels and IRIS assessment level
- Chloroprene – need standard
    - Only neoprene facility in the country
    - Issue with standard numbers and risk numbers – Request for Correction this fall
- Vocal minorities sharing inaccurate facts
    - Engage with national environmental groups
        - Lots of influence in the groups
    - Spend a lot of time trying to keep facts straight
        - Provide as much data as possible

Stephanie Cooper, Massachusetts DEP

- Priorities haven't changed due to pandemic, but some events have shaped our priorities that happened to occur during the pandemic

- Climate mitigation and resilience
    - Mitigation
        - Driving down emissions
        - Electric sector, regional solutions
        - Natural gas transportation and refrigerants
        - Transportation and climate program
    - 2021 – sweeping new climate law
        - Updates emissions reductions targets, goal: net zero for 2050
            - 50% reduction by 2030 (Tall order)
        - Authorizes more clean energy – offshore wind
        - More efficiency standards for appliances
        - Language related to advancing environmental justice and equity
            - Includes cumulative impact assessment
- Investing in air quality monitoring in EJ communities
- Spending a lot of time on PFAS
    - Stringent drinking water standard being implemented
    - Offer free sampling, including private wells
        - Don't regulate private wells (local boards of health do)
        - Risk communication challenge
    - Need to know efficacy of POU treatment systems
    - Monitoring in wastewater and wastewater residuals – trying to develop screen levels for land application
        - Don't have a lot of data in MA (have to extrapolate from NH and other states)
        - Need methods for residuals and solids
    - PFAS found in pesticides and pesticide containers
- Various water quality issues
    - HABs increasing
    - Wastewater surveillance – expand to look at detection of other viruses
    - Nutrients, particularly septic systems in Cape Cod

Aaron Keatley, Michigan EGLE

- EJ
    - Have ramped up engagement, public participation, etc.
    - Challenge to integrate into regulatory programs
        - Need to make sure permits abide by state and federal laws
    - Need to make sure to include rural communities
        - Don't show up on census flocks
        - Small neighborhoods or mobile home parks
- Climate
    - Evaluating impacts and opportunities and how to best leverage opportunities
        - Challenge – climate changing during this planning stage
            - Seeing more frequent & large storm events – flooding issues, erosion issues, significantly impacted communities
            - How can we plan for 20 years from now?

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- PFAS
    - MCLs for 7 contaminants
    - Nearly completed groundwater standards
    - Lot of work on land application
    - Made significant progress on dealing with industrial discharge
    - Lots of success stories, but still a lot of ground to cover
- Evolution of state's cleanup program
    - Mostly manages, doesn't clean up
    - Abundant groundwater resources, large aquifer under the state
        - Residual contamination can migrate easily and have long-term consequences
    - Need to move back to cleaning up things that can be cleaned up, managing those that can't be
- Budget – have more money than ever before (from federal govt and economy rebounding)
    - How to best use this money?
        - Infrastructure needs
        - Long-term problems

Scott Thompson, Oklahoma DEQ

- Bad HAB year for state – seems to be episodic
- Permitting reviews have improved in the pandemic
- Need for tools for remote inspections
- Proliferation of marijuana grow houses
    - Contributing to shortage of materials & supply chain issues
    - 1,000s of grow houses built in last year or so
        - Some illegal activity (many aren't licensed)
            - Will be changing regulations, which will take some time
    - Could use some aerial surveys to identify places
        - Organic signatures
    - Demands on water supply
        - 350,000 gallons a month for one operator
        - Will need to change laws to regulate water use
- PFAS disposal
    - AFFF foam – don't want in landfills
    - Need for mass balancing – how much can we dispose of how fast
- Reducing disinfection byproducts
- Alternative energy
    - Wind and solar energy growing with high use, supplying to other states
    - Looking at potential for hydrogen
        - How to manage CO2 generated
- Tools for teleworking

David Paylor, Virginia DEQ

- Pandemic – just set new 24 hour all-time high for cases
    - Anticipate teleworking until spring

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- Coastal resiliency
    - Erosion and sea level rise – should be looking at forward projections instead of past data
    - Chesapeake Bay cleanup
    - One term governor – significant difference in climate change work going forward depending on who gets elected
    - Electrification of state fleet
- HABs
    - Samples from Shenandoah river made lab workers nauseous
        - Not sure if was the HABs or something else
    - Health agency practices abundance of caution
    - Algal mats in rivers are a question, better understanding of lake systems than rivers
- EJ a top priority. Hired EJ team
    - Will focus on community outreach
- Fossil fuels
    - Down to one large pipeline
    - Compressor stations overturned for EJ stations

Martha Rudolph, former Colorado DPHE

- Flooding from wildfires closing I-70 and contaminating CO river
    - Drinking water coming from CO river affected
- Drought
    - Might eventually not be able to do outside irrigation on the front range (they won't be able to have lawns)
- Air quality
    - Rulemaking for greenhouse gas reductions
        - Goals: reduce by 25% by 2025, 50% by 2030, 90% by 2050
        - Very ambitious
    - Rulemaking for EJ communities
        - Lots of requirements – have to meet with communities before making rules and be very flexible with meeting times
- Budget – have a lot of money
    - Push to give it back to the taxpayers
- Grow houses – don't recall having issues, but will talk to people involved in the state industry and share info with Scott/OK

Bob King, former South Carolina DHEC

- When EPA is out talking to communities, make sure there is good communication with the states.
- Suggest we include county and municipal associations in the discussions on EJ. They play a tremendous role with zoning and other laws. Also may want to think about the Chamber as well.

Mike Linder, former Nebraska DEQ

- Waiting for direction from EPA on EJ communities

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- Lots of press coverage
- Need to keep expectations in check
- A lot of rural areas are economically disadvantaged – where does that fit into EJ definition?

Session 7: Climate & Environmental Justice Initiatives

Feedback/discussion

- Scott Thompson: How are you going to gauge communities' interest?
  - Andrew Geller: It needs to be a broad and democratic process – transparent. The objectives of decisions will hopefully be broadly agreed upon so one small vocal group can't overpower the community
- Scott Thompson: It would be helpful to map out EJ communities and look at it from a wholistic standpoint to do positive projects in those areas
  - Would like separate funding for rural smaller communities – it's hard for them to compete against big cities
  - Need to follow the laws in terms of permits
    - Open to lawsuits if we refuse a permit without a clear reasoning as to why
- Bruce Rodan: How do we advance community science without overwhelming the recipient of the science?
- Martha Rudolph: Environmental Health Matters Initiative (subset of NAS) is sponsoring a series of workshops
  - First in November, looking at EJ issues, trying to bring together agencies + communities to talk about environmental issues from an adaptation perspective, as well as infrastructure, funding, cumulative impacts
  - Free, virtual
- Andrew Geller: Agree with importance of mapping (Scott's point)
  - One of the executive orders includes better maps
  - Maps are used for resource allocation to bring about positive impacts
  - Screening maps – just because the numbers don't come out on these, don't hesitate to do more local analyses
    - Can better capture the rural communities with local analyses
- David Paylor: Biggest challenge in VA is what do EJ communities mean for permitting
  - Starting to do community outreach and early engagement, but that doesn't change the law/regulations
  - What are the rules now? What is/isn't sufficient to deny a permit?
  - Most pushback comes from NGOs, not the communities
  - Andrew Geller: Can requirements be added to permits? i.e. if a facility coming in is going to have more traffic, can you add a condition that the trucks have to follow a certain route
    - David Paylor: In our experience with EJ it's been all or nothing (i.e. we don't want the facility here). Willing to have discussions to see where they might be able to accommodate certain things.
      - No authority over traffic

        - Scott Thompson: Tried the traffic thing, but can only go so far without a statutory/regulatory process
- Stephanie Cooper: Public involvement plans are helpful
    - Started a grant program for technical assistance to communities
        - EJ communities are becoming a bit overwhelmed
    - Need to have more of a foothold with nebulous issues (pollutants that aren't regulated)
        - Bryan Hubbell: We are doing work to try and identify pollutants of emerging concern.
            - Ultrafine particles are difficult to evaluate – thinking about it, but not ready to commit
            - Working on broader exposure to air toxics
- Martha Rudolph: One of the goals of EJ is meaningful involvement. What does "meaningful" mean? If they can't influence any decisions, is it meaningful?

Session 8: Partnering with States on One Health and Environmental Health

Discussion/feedback on presentations

- Martha Rudolph: What would the One Health workshop be focusing on? More traditional one health or more ecosystem connections?
    - Jose Zambrana: The workshop would explore questions like this. How do we address bringing in the eco side of the states into something collaborative and meaningful for all 3 groups?
        - Scoping workshop to brainstorm ideas
- Wayne Cascio: Do you have experience bringing health care services into the picture?
    - Scott Thompson: We have with drinking water programs and wastewater. They can help with funding
    - David Paylor: Public Health Transformation task force just created

Session 10: Communicating and Translating EPA Science and Engaging States in EPA Research

Discussion/feedback

- David Paylor: Impressed by all ORD is doing with states that wasn't around ~5 years ago.
- Jess Byrne: Agree – impressed. Wasn't aware of all of this and will work to have ID DEQ more involved.

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Message

From: Goffman, Joseph [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=23474D598E8D4EDFA9214A5991F2935B-GOFFMAN, JO]
Sent: 9/29/2021 5:56:50 PM
To: Pickett, Dan [daniel.pickett@yale.edu]; Ex. 6
CC: Joseph Goffman [joegoffman Ex. 6 Personal Privacy (PP)
Subject: RE: Introducing myself as your new Yale Development Office contact

Please delete my .gov email. Thanks.

Joseph Goffman
Acting Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency

From: Pickett, Dan <daniel.pickett@yale.edu>
Sent: Wednesday, September 29, 2021 1:47 PM
To: Ex. 6 Goffman, Joseph <Goffman.Joseph@epa.gov>
Subject: Introducing myself as your new Yale Development Office contact

Ex. 6 Personal Privacy (PP) and Mr. Goffman, following up to my previous email introducing myself as your new contact in Yale's Development Office, I am asking for a quick phone/Zoom call with you. Your previous development officer Dennis Danaher retired and now I will be visiting alumni in Philadelphia, Baltimore, and DC in addition to New Jersey.

My request for a quick conversation is to more formally introduce myself, and keep you informed about the official launch of Yale's university-wide fundraising campaign this Saturday at 2:00 p.m.

Do you have availability Friday or Wednesday-Friday of next week?

Thank you and best wishes for continued good health.

Dan

Dan Pickett
Associate Director, Yale University Office of Development
Mail: Box 2038, New Haven, CT 06521-2038
Office: 157 Church ST, Room 1006, New Haven, CT 06510-2100
(203) 432-5482 | (860) 306-6098 | daniel.pickett@yale.edu

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Message

From: Vickie Patton [vpatton@edf.org]
Sent: 10/12/2021 3:13:15 AM
To: Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Dunham, Sarah [Dunham.Sarah@epa.gov]; Charmley, William [charmley.william@epa.gov]
CC: Chester France [cjfrance@sbcglobal.net]; Peter Zalzal [pzalzal@edf.org]; Alice Henderson [ahenderson@edf.org]
Subject: Meeting on Accelerated EV Readiness for MD/HD Vehicle Market Segments
Attachments: Roush Advanced Engineering - Oct 11 2021.pdf

Dear EPA Officials,

We respectfully request a meeting on the additional analysis by Roush Advanced Engineering, attached, documenting the accelerated readiness of EVs for MD/HD vehicle market segments.

Thank you for your consideration of this request and thank you for your public service.

Sincerely yours,
Vickie Patton

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INGENUITY ON DEMAND

EDF MD/HD Electrification Cost Study - Draft

Sawyer D. Stone; Vishnu Nair; Sajit Pillai

October 11th, 2021

Roush Advanced Engineering

Agenda

- Objective
  - Determine incremental cost of EV's vs Diesel vehicles through 2030
  - Determine total cost of ownership (TCO) of BEV and Diesel
- Summary Results
  - Key Components and Technologies
  - Incremental Costs
  - Total Cost of Ownership
- Technology Review: State of the Art and Component Costs
  - Batteries: History and trends, possible alternate technologies
  - Motors/Inverters: Costs trends and materials
  - Chargers: Infrastructure, methods, options
  - Light Duty technology application to Heavy Duty Market

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Objective

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Objective

- Determine the incremental cost of electric vehicles over diesel vehicles

HDV Market Segments to be Included in Analysis

Market Segment	Weight Class	Battery Capacity (kW-hr)	Status
Transit Bus	Class 8	400	Preliminary Draft
School Bus	Class 7	60	Preliminary Draft
Shuttle Bus	Class 3-5	200	Preliminary Draft
Delivery and Service Van, Box and Stake Truck	Class 3	100	Preliminary Draft
Short Haul Delivery, Service, Box and Stake Truck	Class 6-7	150	Preliminary Draft
Short Haul Delivery and Service Van, Box and Stake Truck	Class 4-5	100	Preliminary Draft
Refuse Hauler	Class 8	200	Preliminary Draft
Long Haul Delivery, Service, Box and Stake Truck	Class 6-7	250	Future work
Long Haul Delivery and Service Van, Box and Stake Truck	Class 4-5	150	Future work
Dump Truck	Class 8	300	Future work

- Determine the total cost of ownership of electric and diesel vehicles

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Summary Results

Incremental, TCO, Contributors to cost

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Key Components and Technologies

ICE Only
Common
EV Only
Changed for EV

Body System	Body
	Doors
	Windows
	Head/Tail Lights
Suspension System	Springs
	Shocks
	Air leveling
	Front Axle
	Control Arms
Brake System	Brake Calipers
	Air Compressor
	Reservoir
	Brake Pedal
Steering System	Steering Wheel
	Gearbox
	Power Steering Pump
	Steering Arm
	Tie Rod
	Hydraulic System

Climate Control System	HVAC Compressor
	Blower
	Ducts
	Vents
	Heat Pump
	Burner/Heater
	Controls
Gauge & Warning System	Instrument Cluster
	System Monitor Sensors
	Display/HMI
	Alert Buzzer
Communications System	Transponder
	PA system
	Tracking
Lighting System	Control Panel
	Lights (Interior, Overhead)
Interior System	Seats
	Flooring
	Luggage Storage
Public Interface	Display Signage
	Advertising

Chassis System	Frame
	Body Mounts
	Engine Mounts
	Suspension Mounts
Driveline System	Transmission
	Shifter
	Driveshaft
	Rear Axle(s)
	Differentials
	Wheels
	Tires
Electrical/Power Supply System	Battery
	Generator/Alternator
	Inverter
	Wiring
	Voltage/Current Monitors
	Distribution Module
	Outlets/Connections

Engine System	Engine
	Radiator
	Turbocharger
	Oil Filter
	Coolant Hoses
Exhaust System	SCR Catalyst
	DEF Tank
	DPF Canister
	Muffler
	Exhaust Pipes
	Exhaust Probe
Fuel System	Tank
	Pump
	Hoses
	Filter
	Separator
	Injector
Power Unit	Motors
	Drive Reduction
	E-Axle
	Battery
	Inverter
	Charger

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Bus Diesel (Delete) Vs Electrification (Add) Costs - Assumptions

- Low-cost diesel scenario
  - No hybridization
  - Fully improved for 2027 GHG/Low NOx compliance
    - Aftertreatment, Engine, and Transmission Improvements

- High-cost electrification scenario
  - NMC batteries
  - HD-specific motors
  - On-board charger sized for 4-hour AC charge

- All costs assuming economies of scale in production

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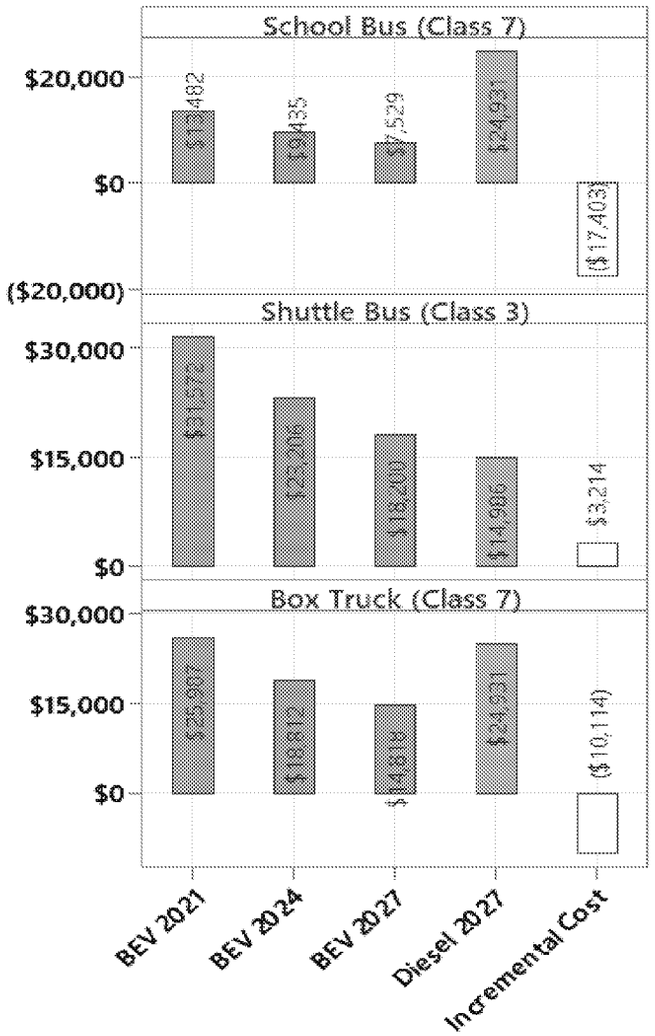
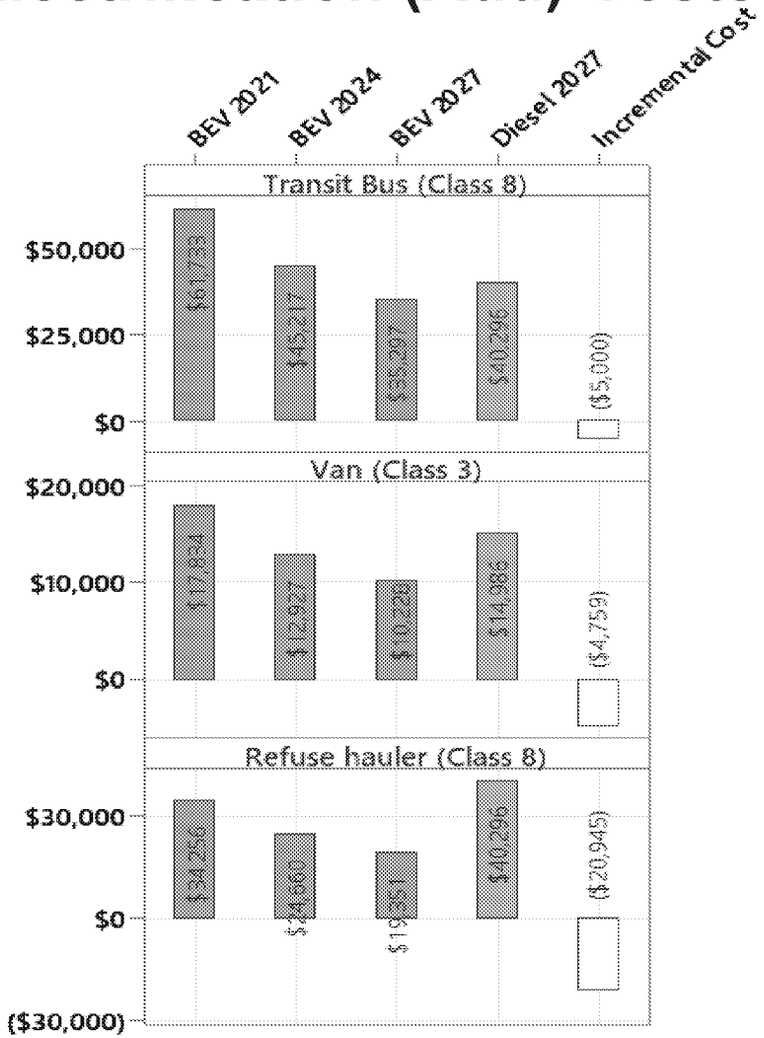
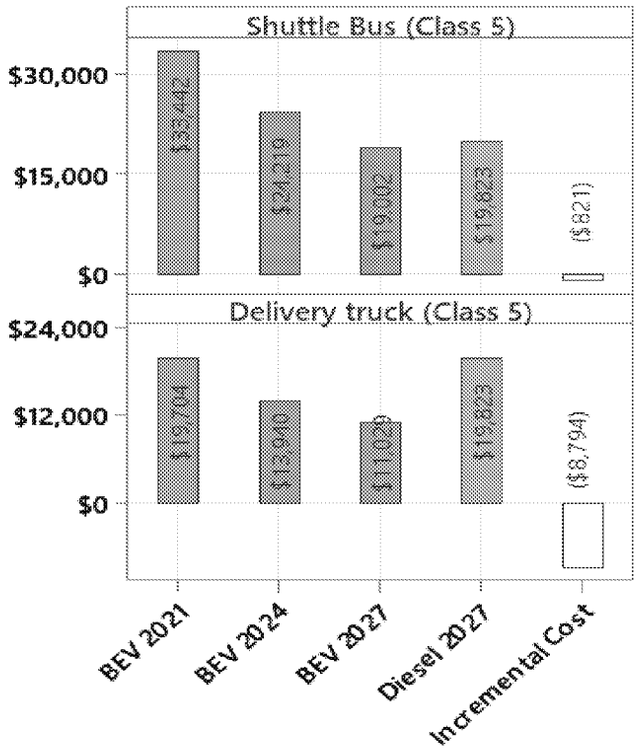
Bus Diesel (Delete) Vs Electrification (Add) Costs

EV vs Diesel Cost 2027







Electrification Costs Drop 26-30% by 2024 and 42-44% by 2027, driven mainly by battery costs

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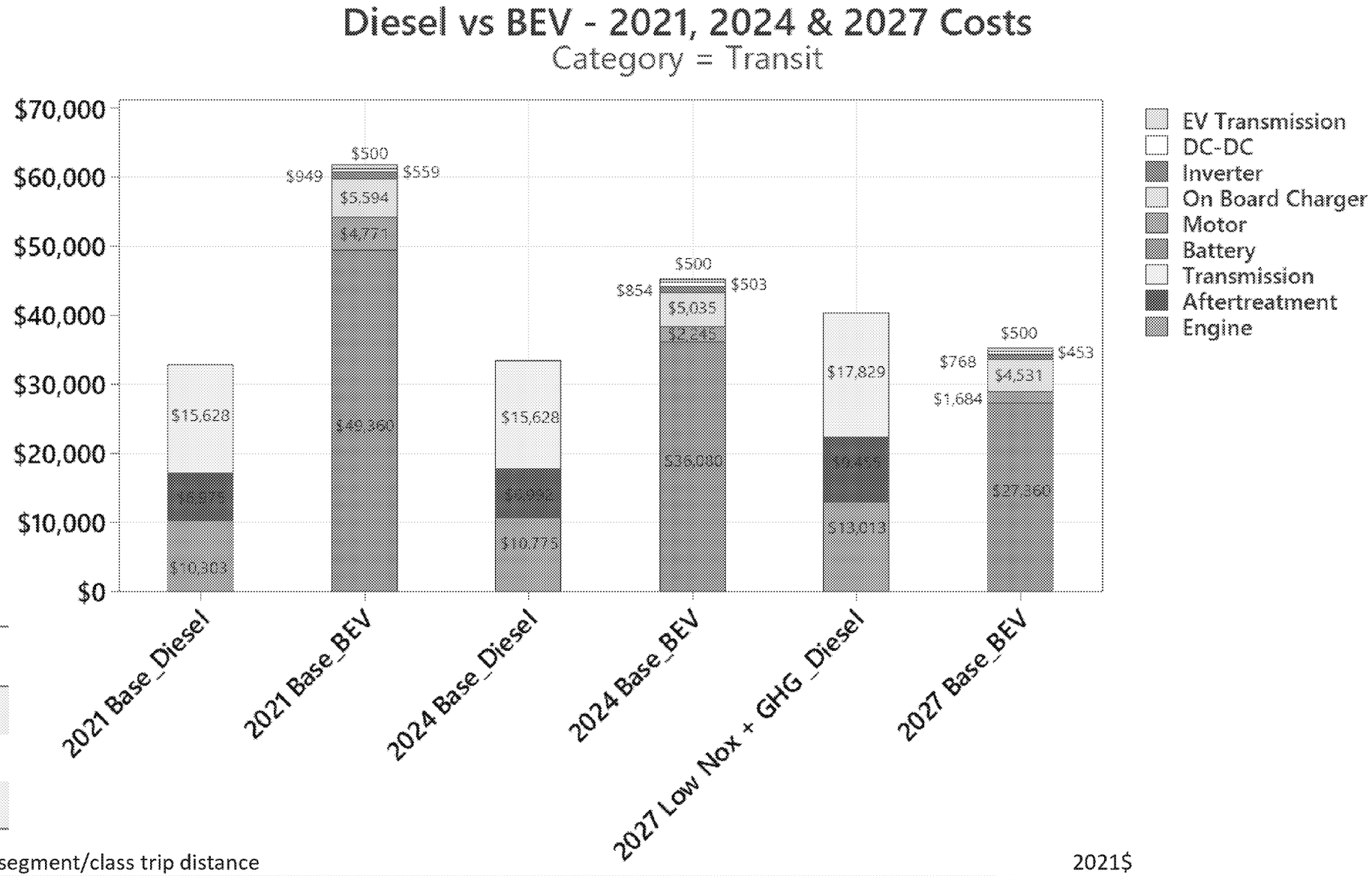
Component Costs Breakdown - Transit

- Primary ICE Cost Increases for 2027 GHG/Low NOx
  - Engine: EGR, Turbo, Injection, Valvetrain
  - Aftertreatment: SCR improvements and size
  - Transmission: Friction reduction, increase in speeds, automation

- Component Contributions to reduction of EV system costs
  - Battery costs – 83%
  - Motor costs – 12%



EV Component Costs 2027 vs 2021	
Batteries	-45%
Motors	-65%
Power Electronics	-19%

*Battery size is selected to cover 50th percentile of segment/class trip distance

2021$

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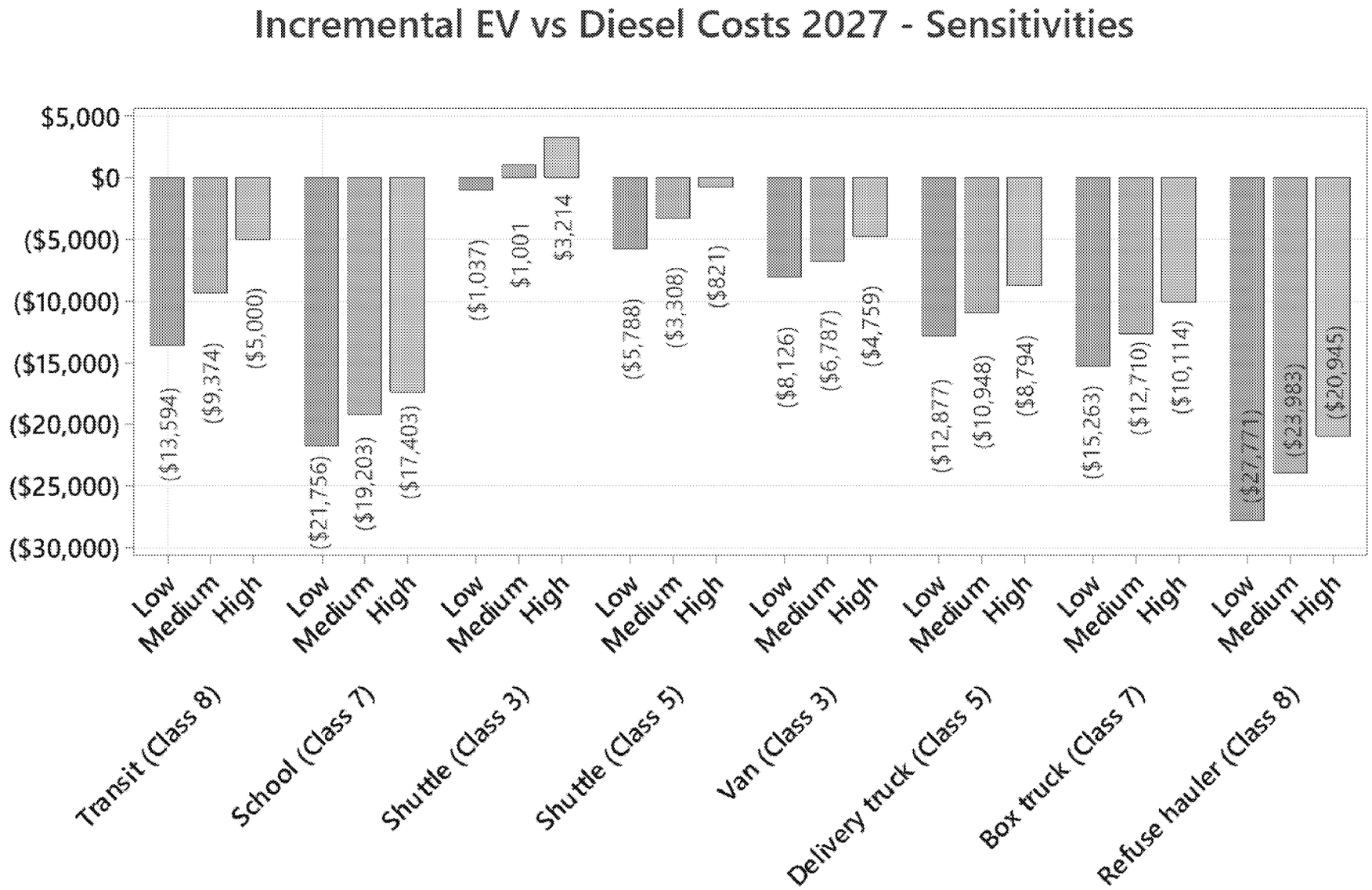
ICE to EV Cost Sensitivities

- Previous figures based on conservative costs projections
- Can significantly reduce EV costs with different components
  - High: NMC battery, HD motor – Reference from initial costs (slide 7)
  - Medium: Mild hybrid diesel, LFP batteries
  - Low: Full hybrid diesel, LFP batteries, multiple LD motor configuration



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Total Cost of Ownership

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Total Cost of Ownership - Methodology

- Categories Considered
  - Purchase Price
  - Fuel/Electricity
  - Maintenance Costs
  - Charging/Fueling Infrastructure
  - Midlife Refresh – Transit & School

Reference Vehicle Lifetime		
Vehicle Type	Mileage	Years
Transit – Class 8	500000	12
School Bus – Class 7	221120	10
Shuttle – Class 5	200000	7
Delivery Van – Class 3	136785	11
Delivery – Class 5	123450	10
Delivery – Class 7	285710	10
Refuse – Class 8	250000	10

- Sensitivities
  - Fuel/energy costs
  - Maintenance
  - Charging method selected: depot vs DC fast charge
  - Vehicle costs

- 3 Scenarios projected – Diesel and EV
  - Low: Best case fuel, vehicle, maintenance costs; 6 hour depot charging
  - Reference: Average purchase price, fuel, maintenance, 4 hour depot charging
  - High: worst-case costs of vehicle, fuel, maintenance, 4 hour depot charging, 1/3 DCFC

- 3% annual discount rate

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Charging

- On-board charger selected for 4-hour depot charge
  - Depot charger matched to battery and OBC capacity
- Vehicle and TCO sensitivities
  - Low Cost: 6-hour depot charge only
  - High Cost: 4-hour depot charger, 1/3 of a DCFC (3 buses per charger)
- Charger costs assumed to be incurred at vehicle purchase time (year 1)
- Other charging strategies could be considered
  - Heavily influenced by individual fleet operational needs and composition

Charger Costs	
Charger - 25 kW	$3,548.01
Installation – 25 kW	$3,626.05
Charger – 50 kW	$25,836.12
Installation – 50 kW	$14,005.09
Charger – 70 kW	$54,300.89
Installation – 70 kW	$21,938.63
Charger – 100 kW	$85,671.00
Installation – 100 kW	$34,232.60
Charger - DCFC 300+	$259,999.78
Installation - DCFC 300+	$132,707.14

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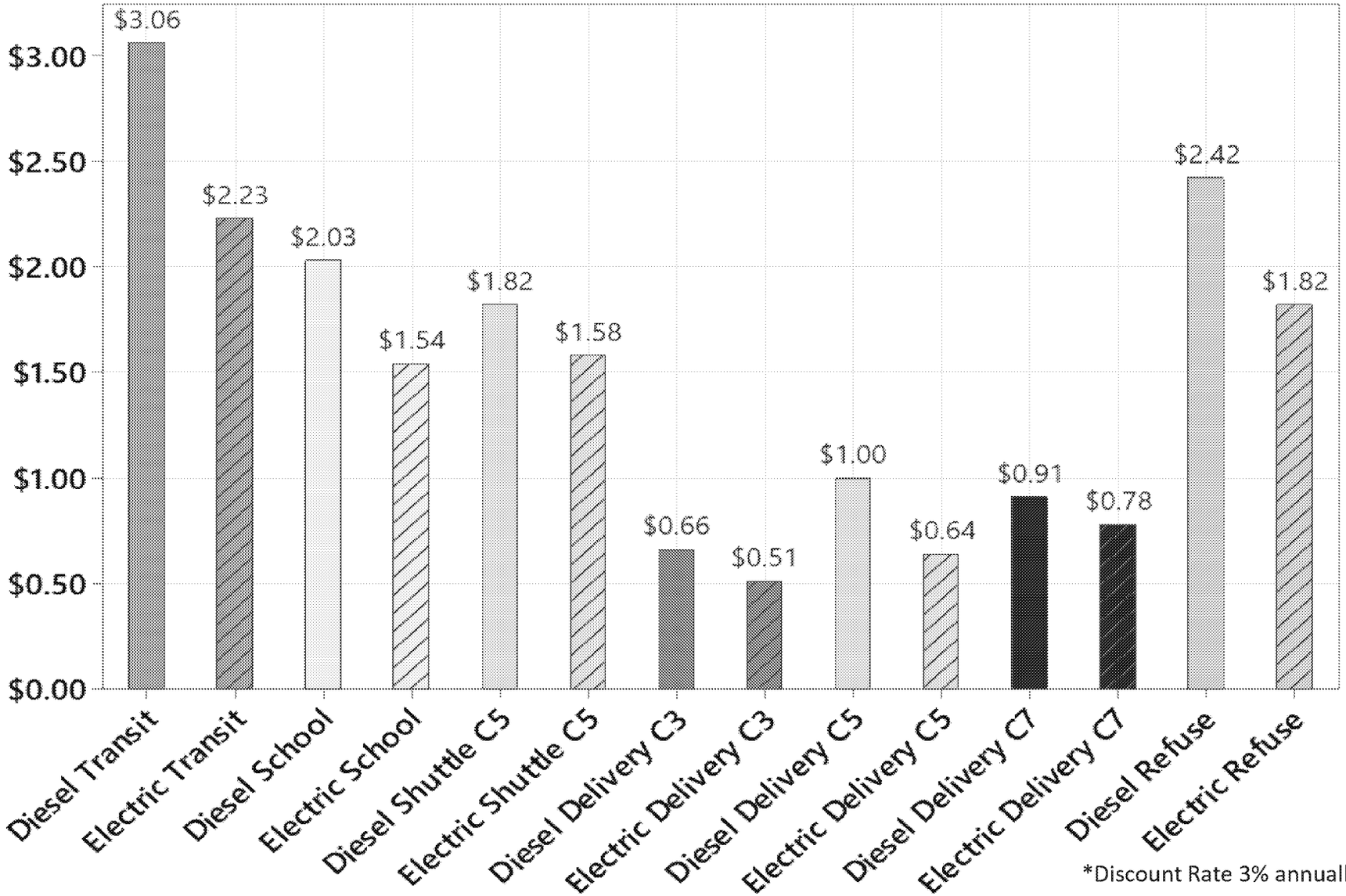
Total Cost of Ownership – Per Mile

- Across all categories, electrification reduces cost of ownership for fleets
  - Transit application shows highest benefit
- Reference case shown
- Considers financial aspects of ownership
  - Emissions reduction and health benefits excluded



*Discount Rate 3% annually

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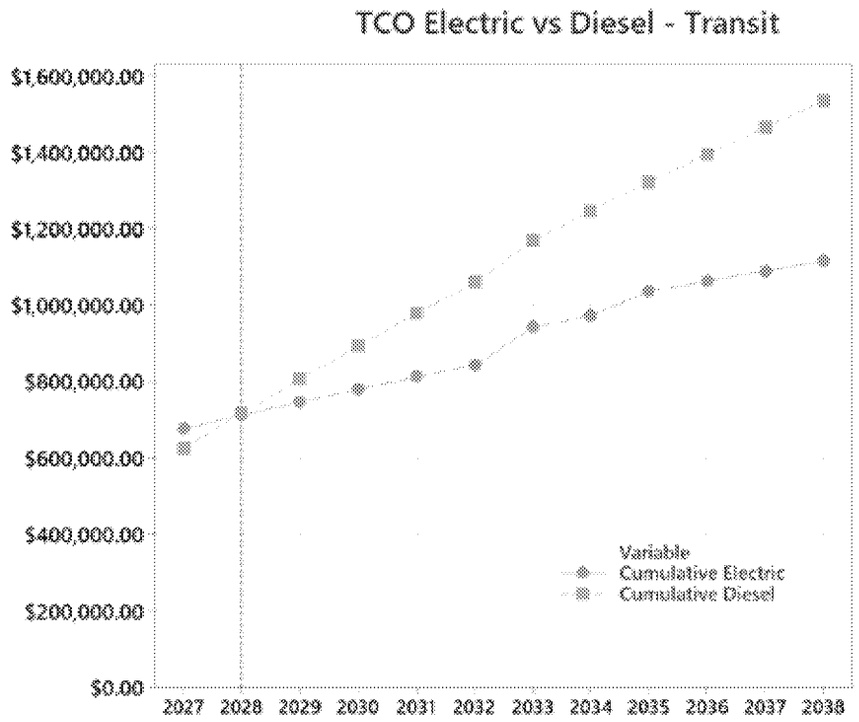
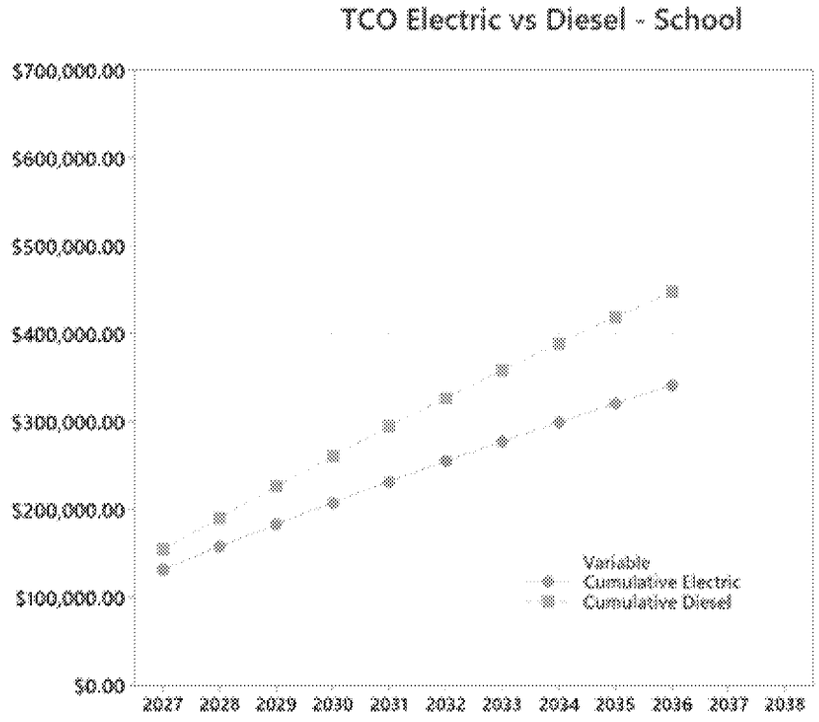
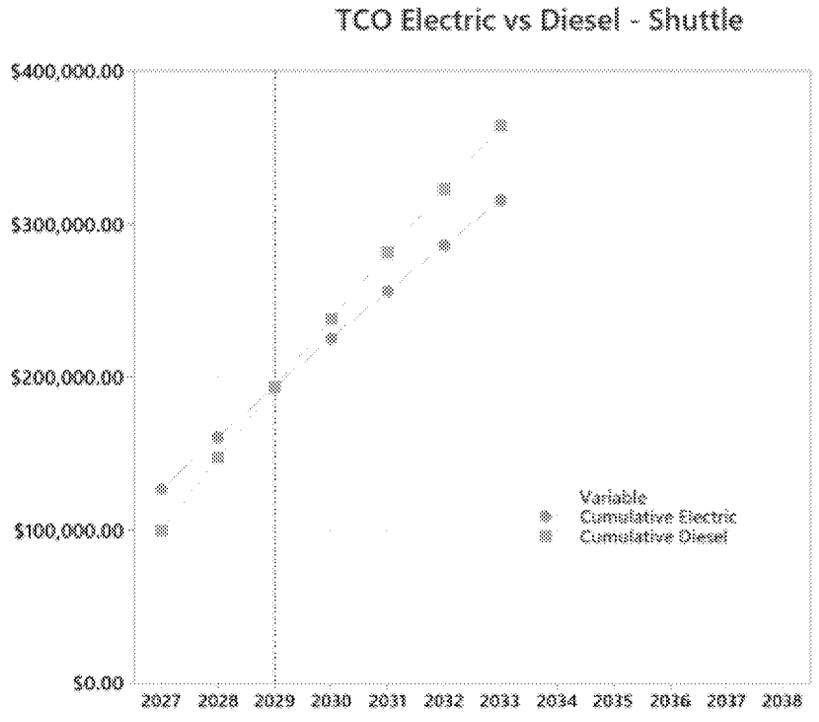
Total Cost of Ownership – Cumulative Costs







- Vehicles with higher mileage utilization reach parity sooner
  - School Bus sees immediate cost parity in 2027 adoption
- Lower maintenance and energy costs favor EV adoption

- Reference case projections shown
  - Sensitivity considerations can improve time to parity & TCO

Cumulative TCO Parity – 2030 Purchase

Market Segment	Parity Reached
Transit Bus	2028
School Bus	Immediate
Shuttle Bus	2029

*Discount Rate 3% annually

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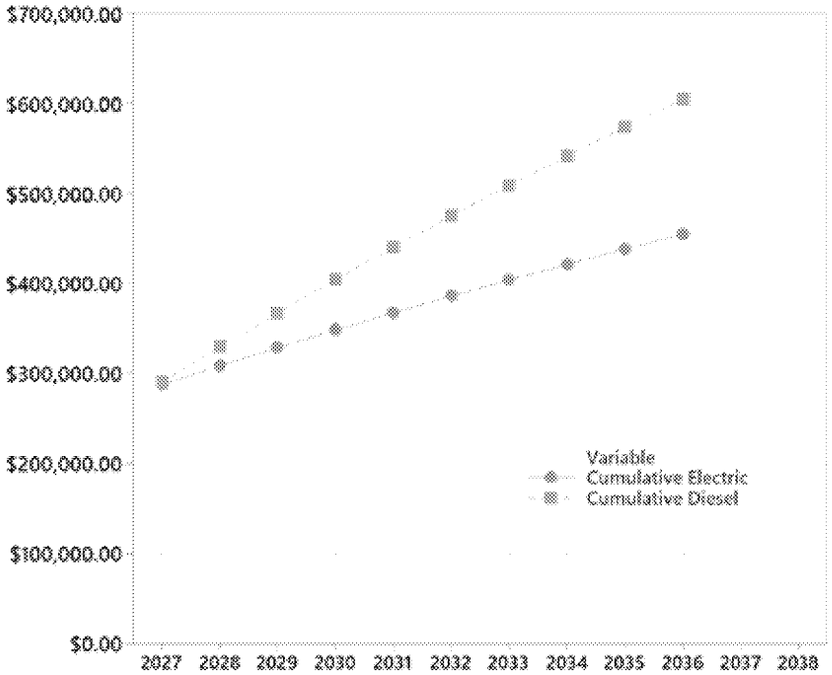
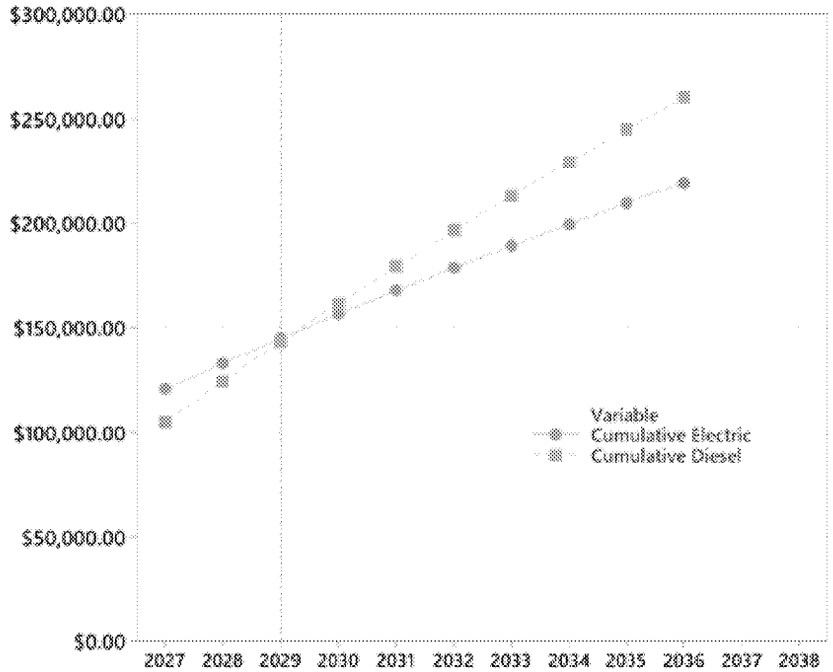
Total Cost of Ownership – Cumulative Costs

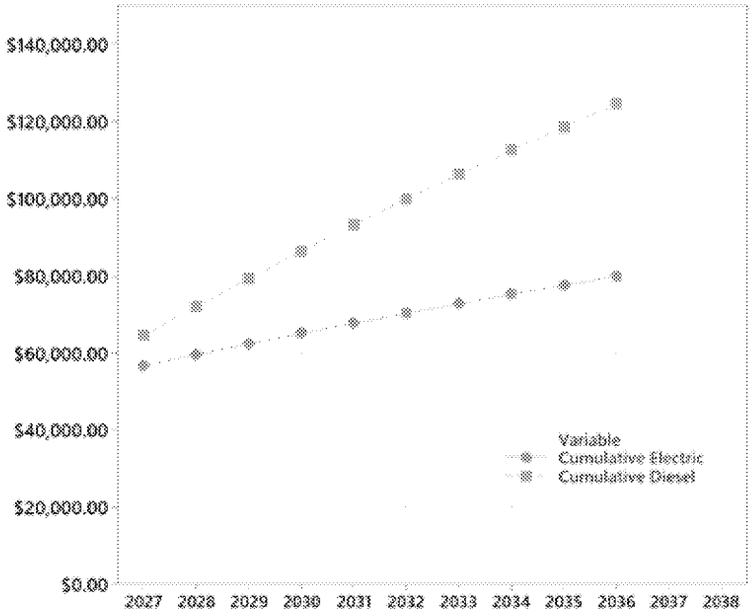
TCO Electric vs Diesel - C8 Refuse



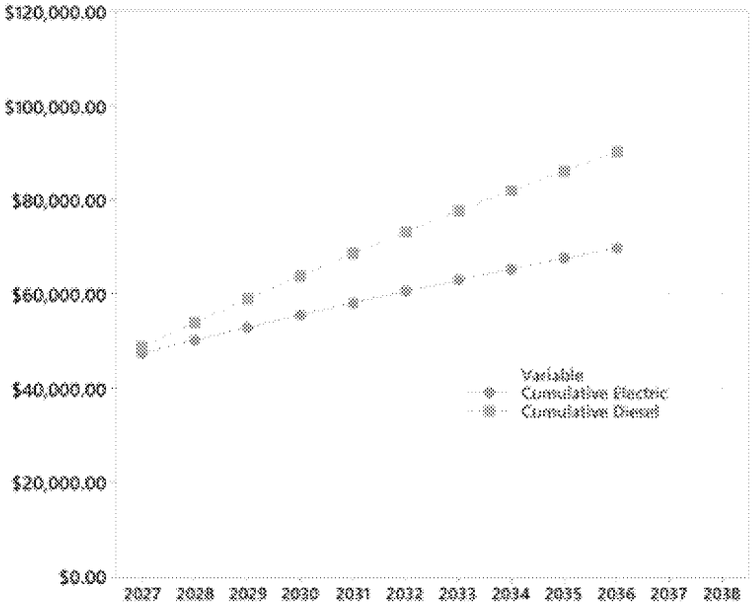
TCO Electric vs Diesel - C7 Delivery



TCO Electric vs Diesel - C5 Delivery



TCO Electric vs Diesel -C3 Delivery



Cumulative TCO Parity – 2027 Purchase

Market Segment	Parity Reached
Refuse	Immediate
C7 Delivery	2029
C5 Delivery	Immediate
C3 Delivery	Immediate

- Changes in charging method and infrastructure can change or delay time to parity
- Discount Rate 3% annually

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Technology Review

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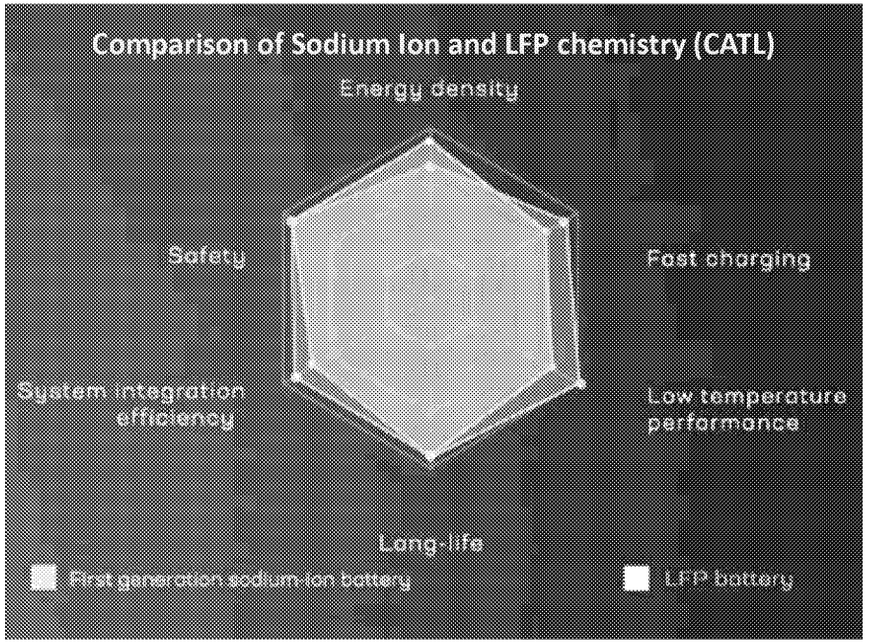
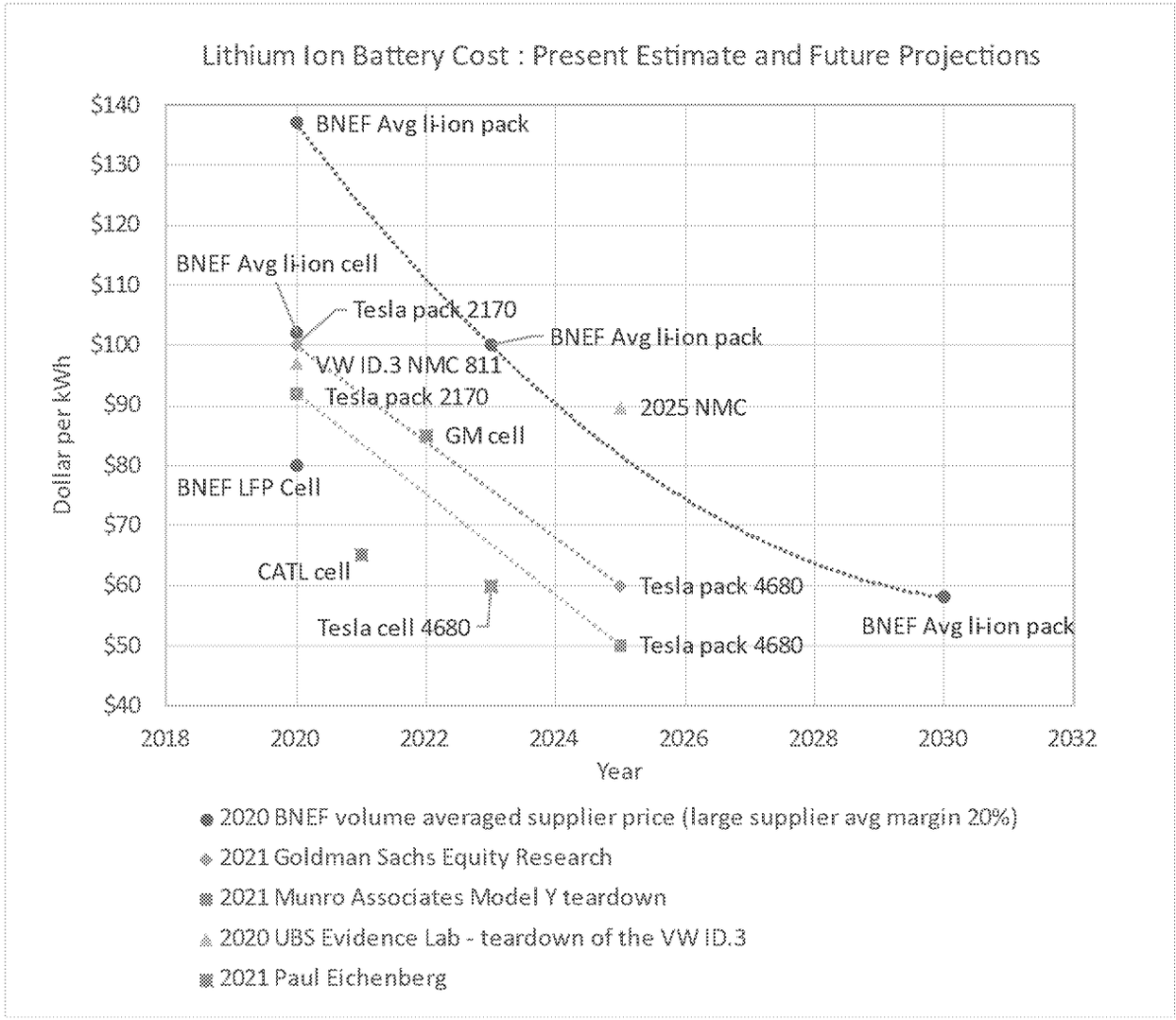
Technology Review- Batteries: Battery Costs

- NMC Cell costs already less than 100$. LFP significantly (>20%) cheaper than NMC
- Significant cost reduction in the near term without breakthrough technologies
- Disruptive technologies like sodium-ion. Gen1-160 Wh/kg. Gen2 200Wh/kg (< 40 $/kWh?)





Lithium-Ion battery costs falling faster than projections made 3-4 Years Back

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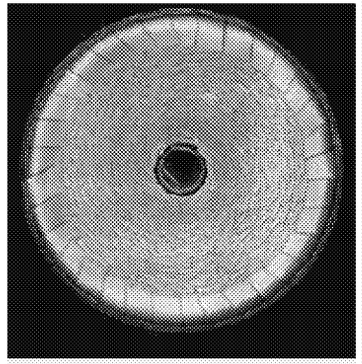
Technology Review- Batteries Decreasing Cost, Increasing Durability

Tabless Cell Design

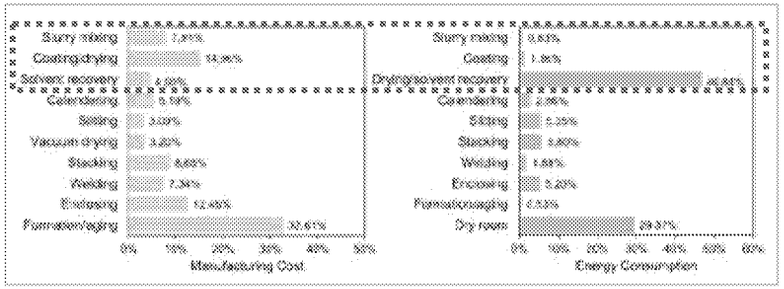
- Low cell thermal and electrical resistance.
- Path to large cylindrical and prismatic cells. Reduced manufacturing cost ($/kWh).
- High DC fast charge rates
- Simplified thermal management & pack construction.



Tesla Tabless Anode

Dry Battery Electrode

- Eliminates wet slurry coating/ drying and solvent recovery process
- Tesla cost savings 18%. VW- 50% ↓ production footprint, 30% ↓ Capex



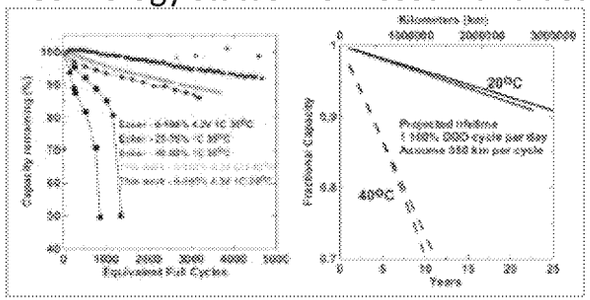
Pack Design - Cell to Pack

- Cell to pack and cell-to-chassis (Structural battery pack). Higher energy density. Cheaper LFP chemistry to be used for longer range applications.
- BYD LFP pack : Class 8 - 3rd gen 8TT ER 563kWh, Class 6- 6F ER 373 kWh

		2020 VW ID.3	2018 Tesla Model 3	BYD Blade
Cell chemistry		LG NMC 811	Panasonic NCA	LFP
Gross battery capacity	kWh	62	78	59.5
Number of modules		9	4	1
Number of cells		216	4416	92
Gravimetric energy density	Wh/kg	164	164	140
Volumetric energy density	Wh/l	267	195	279

Single Crystal Cathode Materials

- Path to commercial vehicles with life exceeding 2 million miles
- Technology status - low-cost manufacturing process in pilot phase



9500 cycles (room temperature, 100% DOD, 1C) with capacity retention of over 90%

Significant improvement in cost and durability of batteries In the short term

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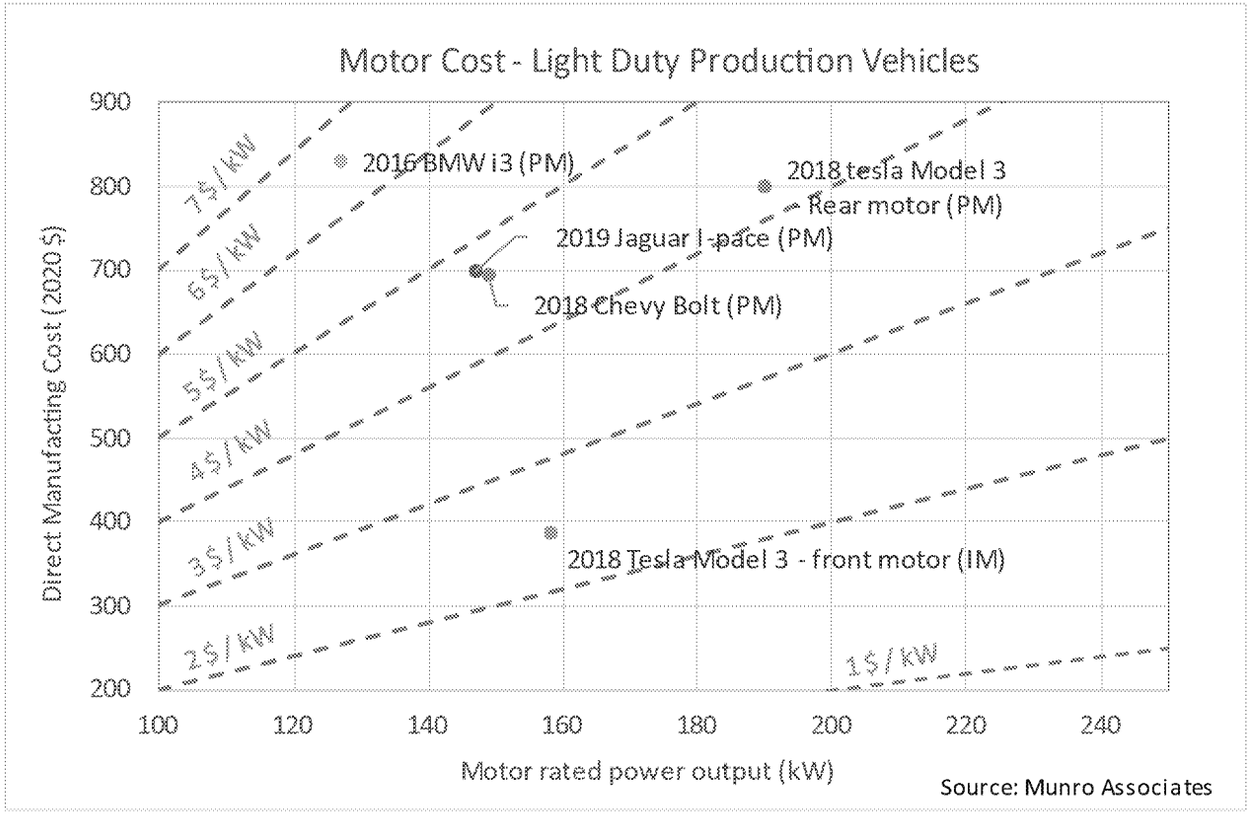
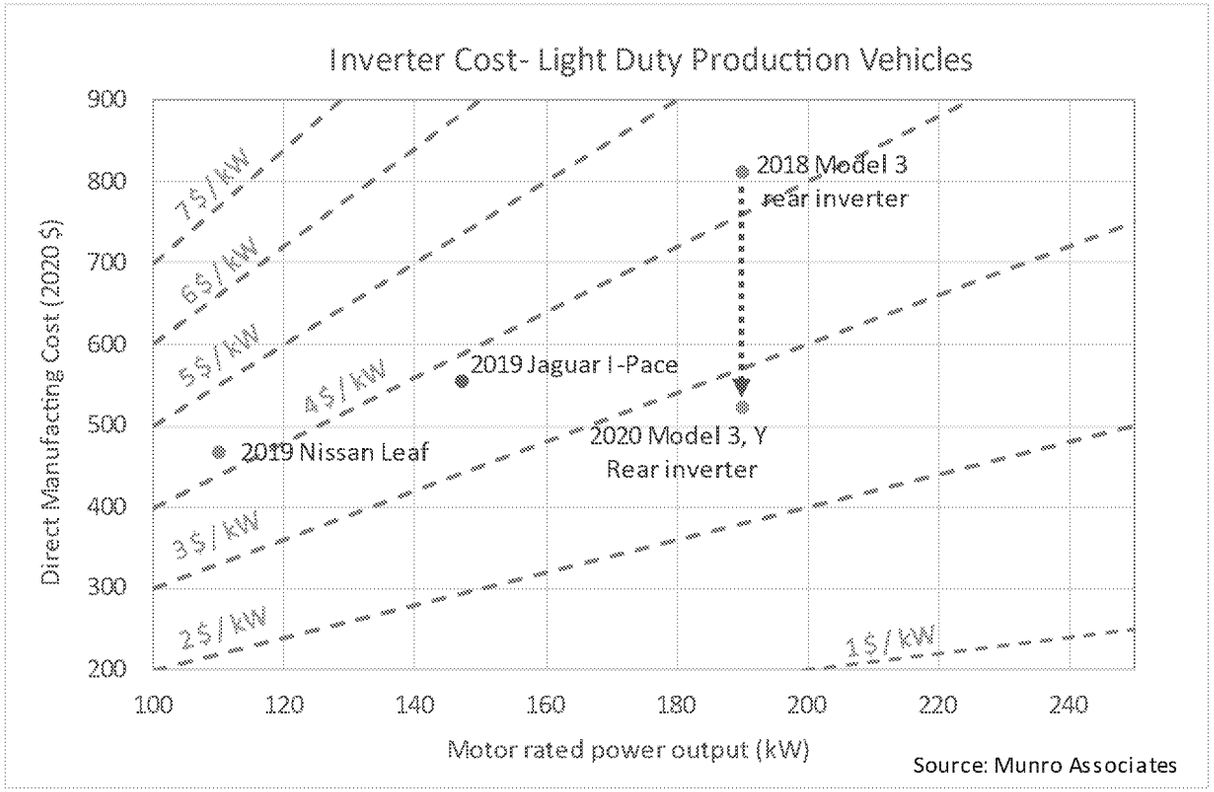
Technology Review: Motor – Costs





PM – Permanent magnet synchronous motor
(internal permanent magnet synchronous,
Internal permanent magnet synchronous reluctance)

IM – Induction Motor

Tesla - SiC Mosfet (supplied by ST Microelectronics)
Others (in the graph) - Silicon IGBT
New EVs from Hyundai-Kia (Ioniq 5, Kia EV6) use SiC Mosfets

Mass produced motor and inverter costs significantly lower than projected

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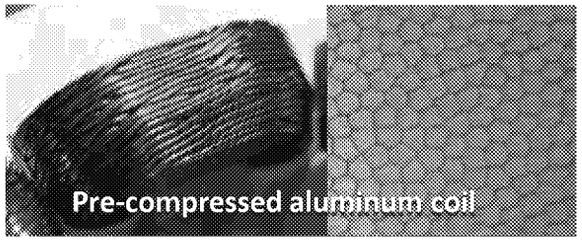
Technology Review – Motors – Reducing Costs

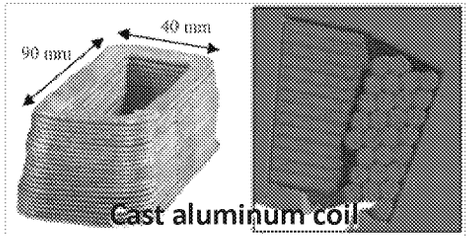
Permanent Magnet Free Motors

- **Induction Motor** – Audi, Tesla, RAV4 PHEV rear drive, GM Altium AWD motor – Aluminum Rotor induction motor. ZF "AxTrax AVE" and "CeTrax" - MD and HD e-axles and drives based on induction motors
- **Wound Rotor Synchronous Motor** – Renault Zoe, BMW drive unit used in the iX
- **Switched Reluctance motor** - Advanced electronic machines UK offers SRMs for MDHD applications with aluminum stator windings (example: 160kW, 600Nm, peak efficiency >95%)

Aluminum Stator Coils

- Pre-compressed aluminum coil – 80 kW PMSM – coil fill factor: 77% , Motor weight: (↓14.7)% Winding cost: (↓67)%, Range: (↓ 1.7)%
- Cast aluminum coil – Fill factor >90%

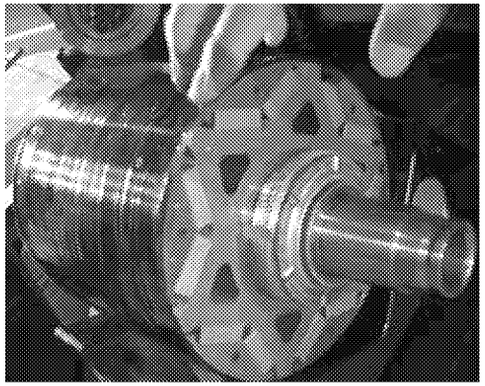




Increased Speed – Higher Power Density Motors

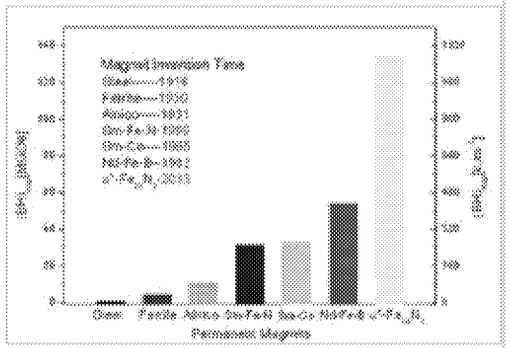
- High speed motors - High power density - lower material cost
- Example of enabling technologies - carbon overwrap rotor - extremely small air gap and high maximum speed

Tesla Model S rotor - IPM-Syn RM 400hp, 20,000 rpm



Reducing/ Eliminating Rare Earth Permanent Magnets

- Honda - magnets that are heavy rare earth (Niobium, Terbium) free
- Toyota - magnets with 50% less Neodymium. Replaced with cheaper Lanthanum and Cerium
- Industry in the process of commercializing Iron Nitride Magnets α"-Fe16N2



Technologies available to protect industry from increasing commodity prices

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Thank You!

Supporting/Background Information

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Component Costs Breakdown

All Vehicle Categories

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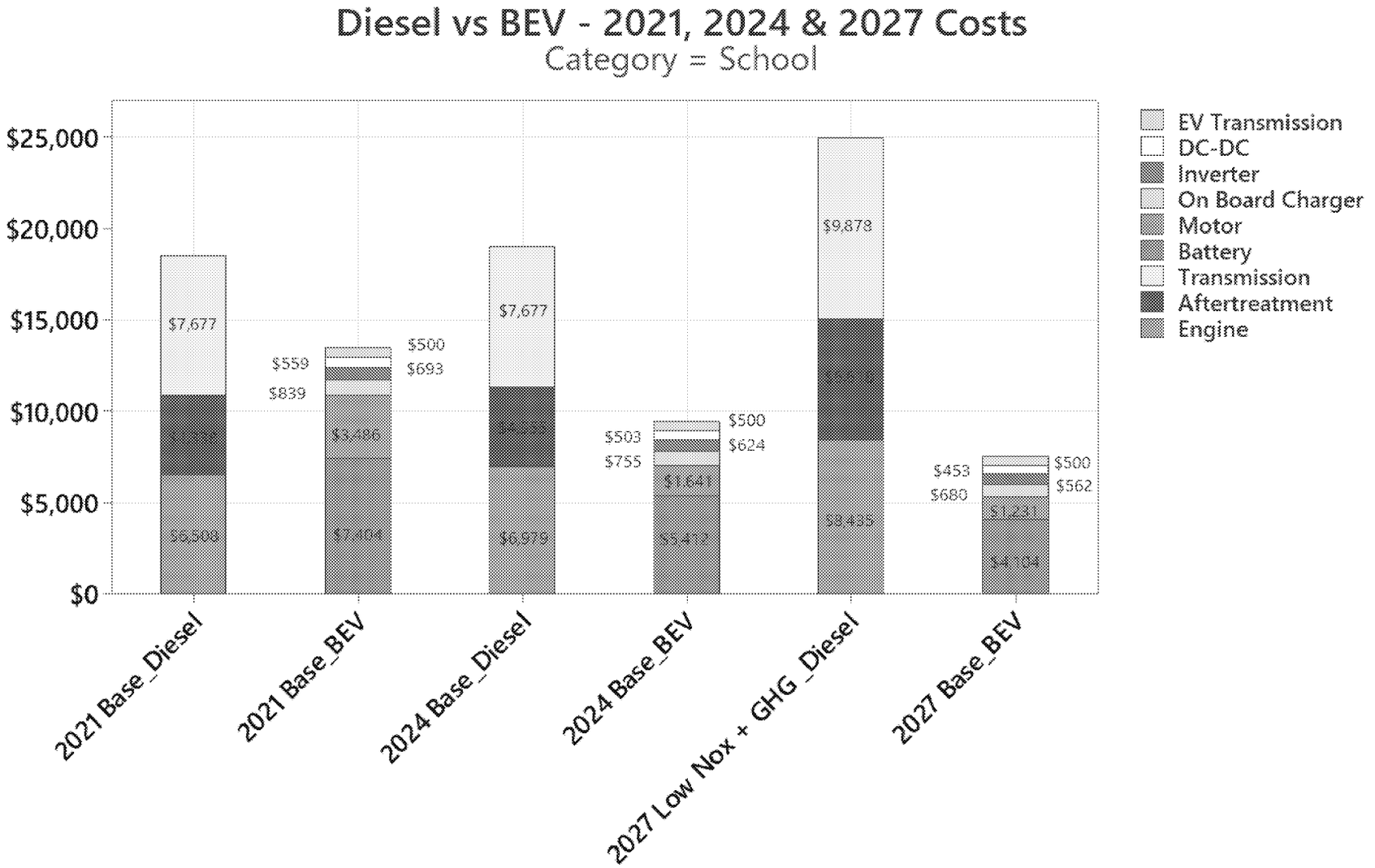
Component Costs Breakdown (2021$)



*Battery size is selected to cover 50th percentile of segment/class trip distance

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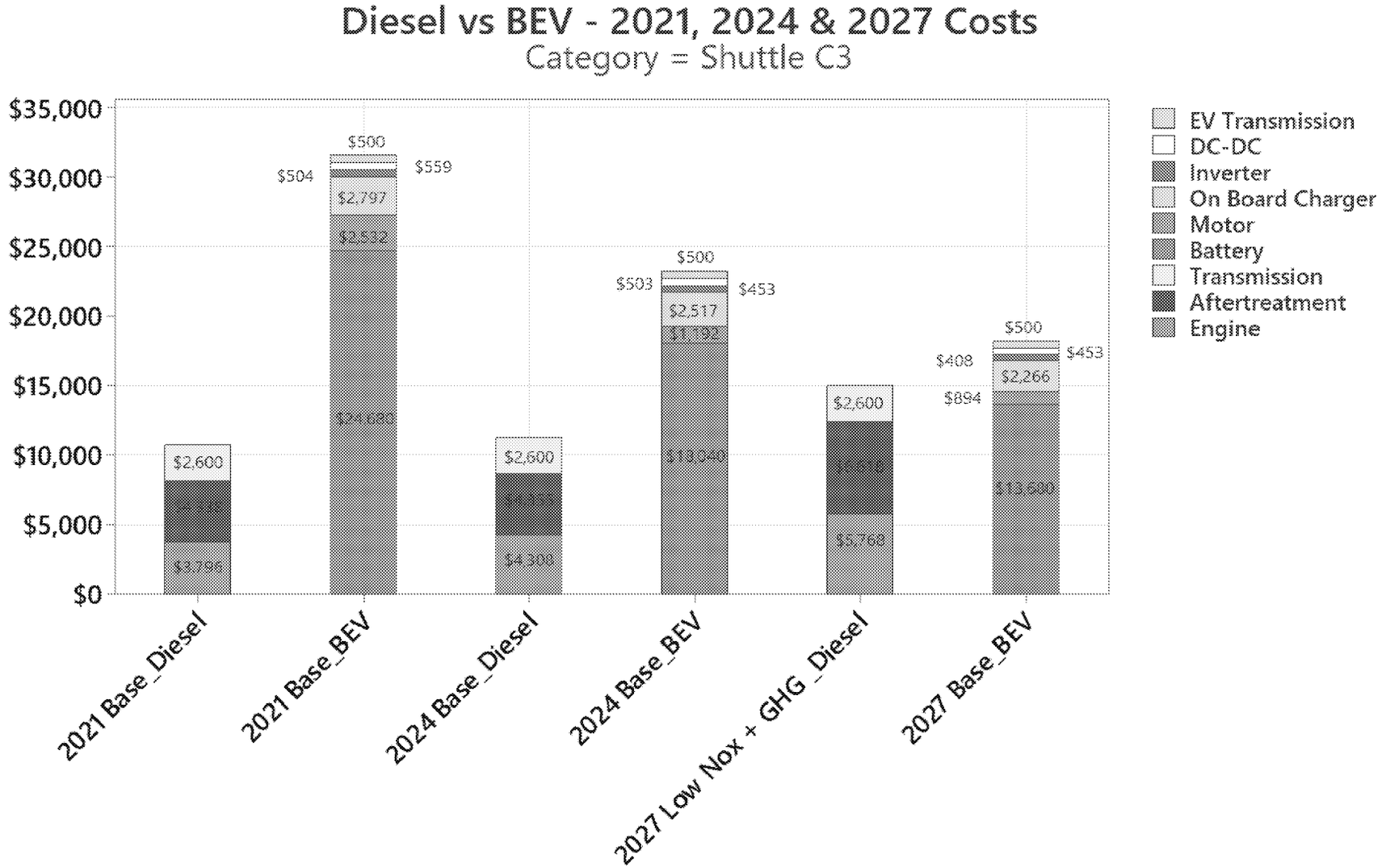
Component Costs Breakdown (2021$)



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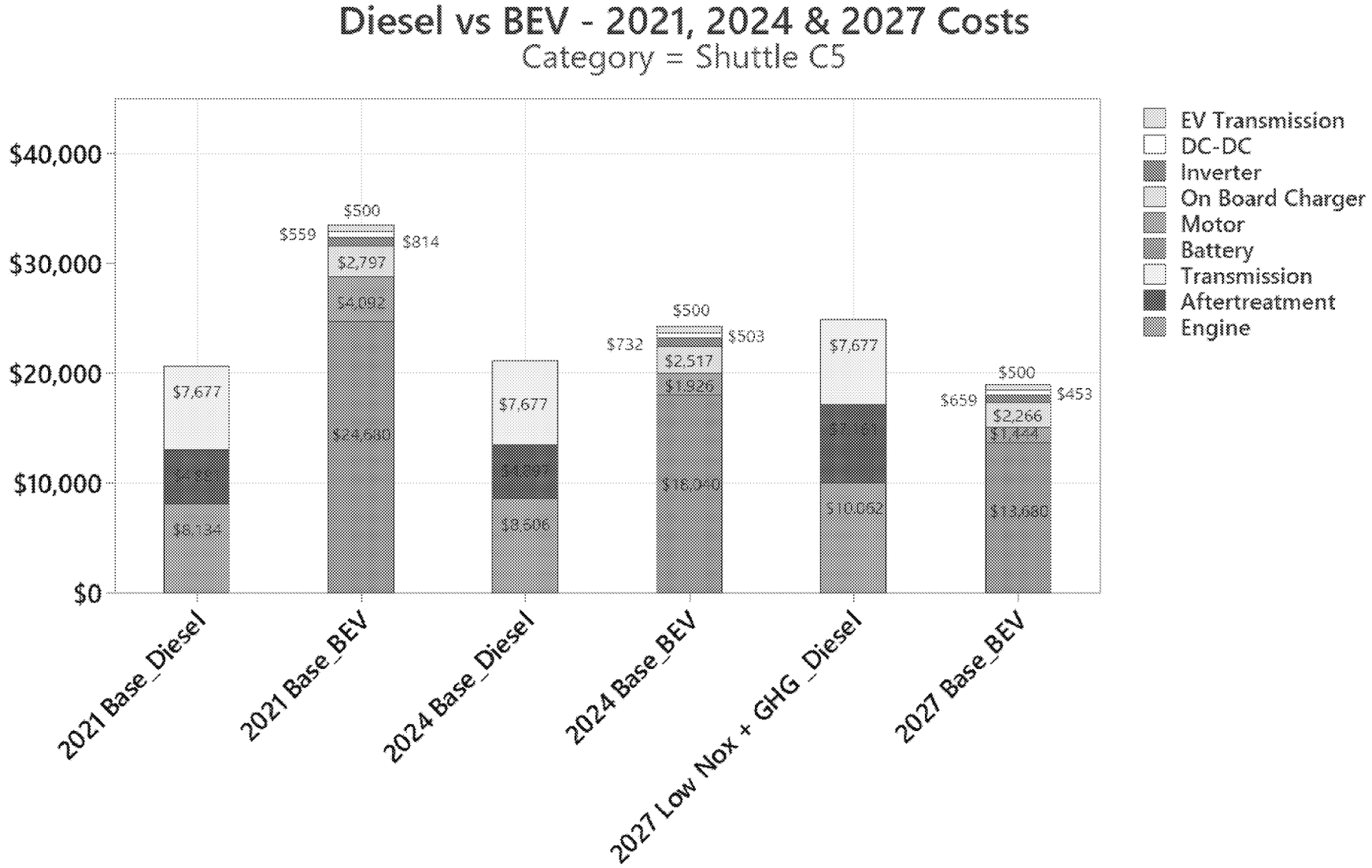

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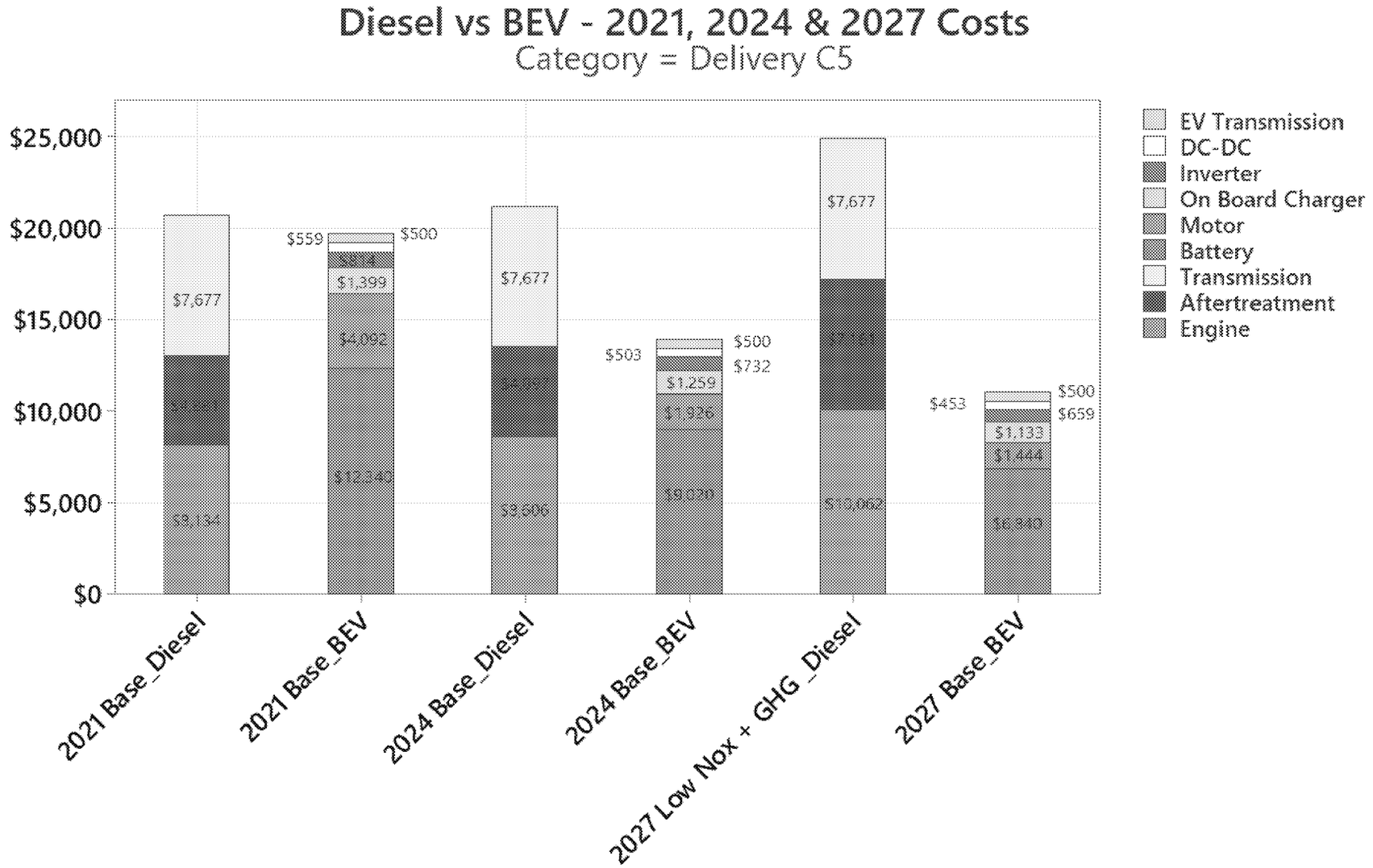
Component Costs Breakdown (2021$)



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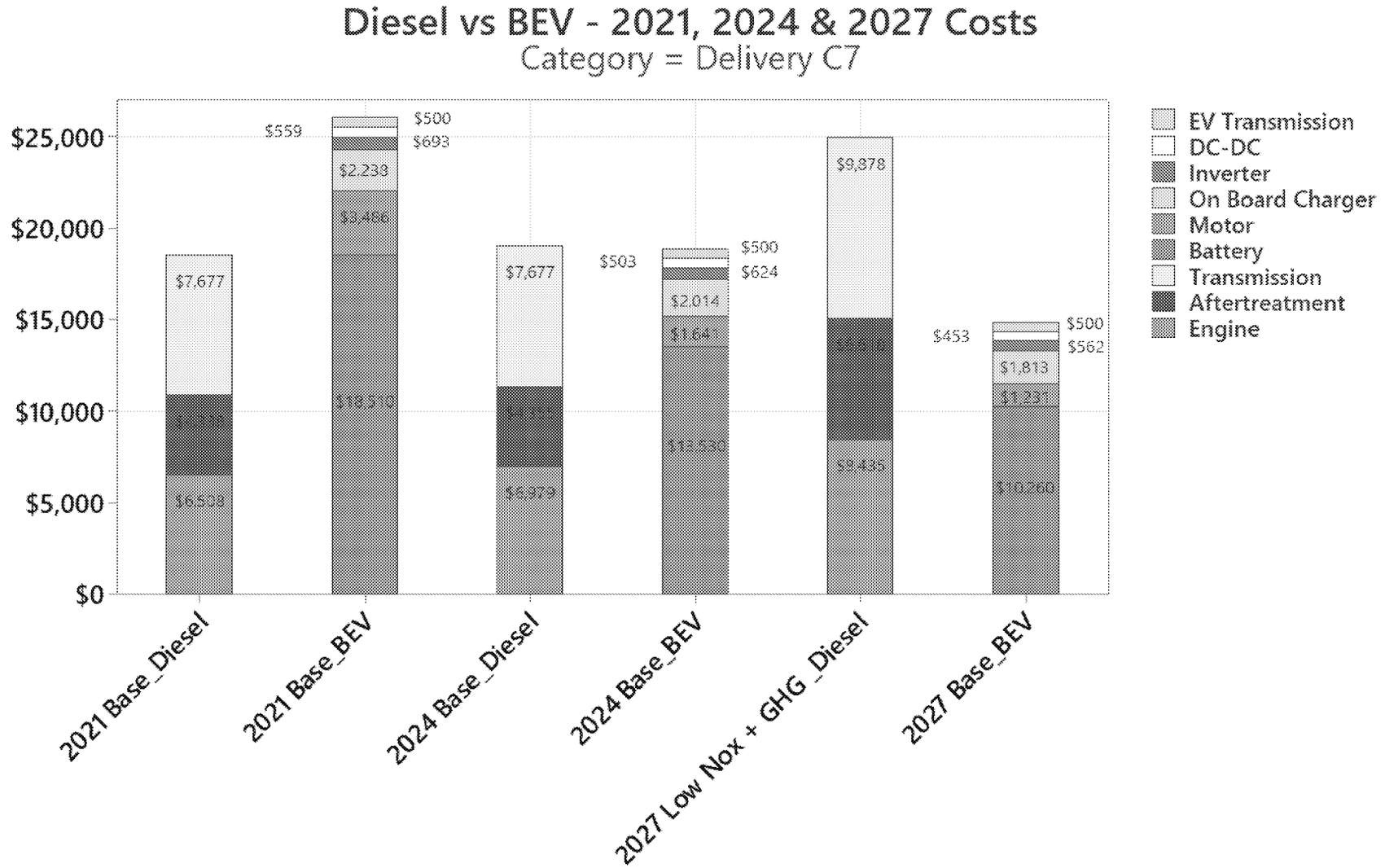

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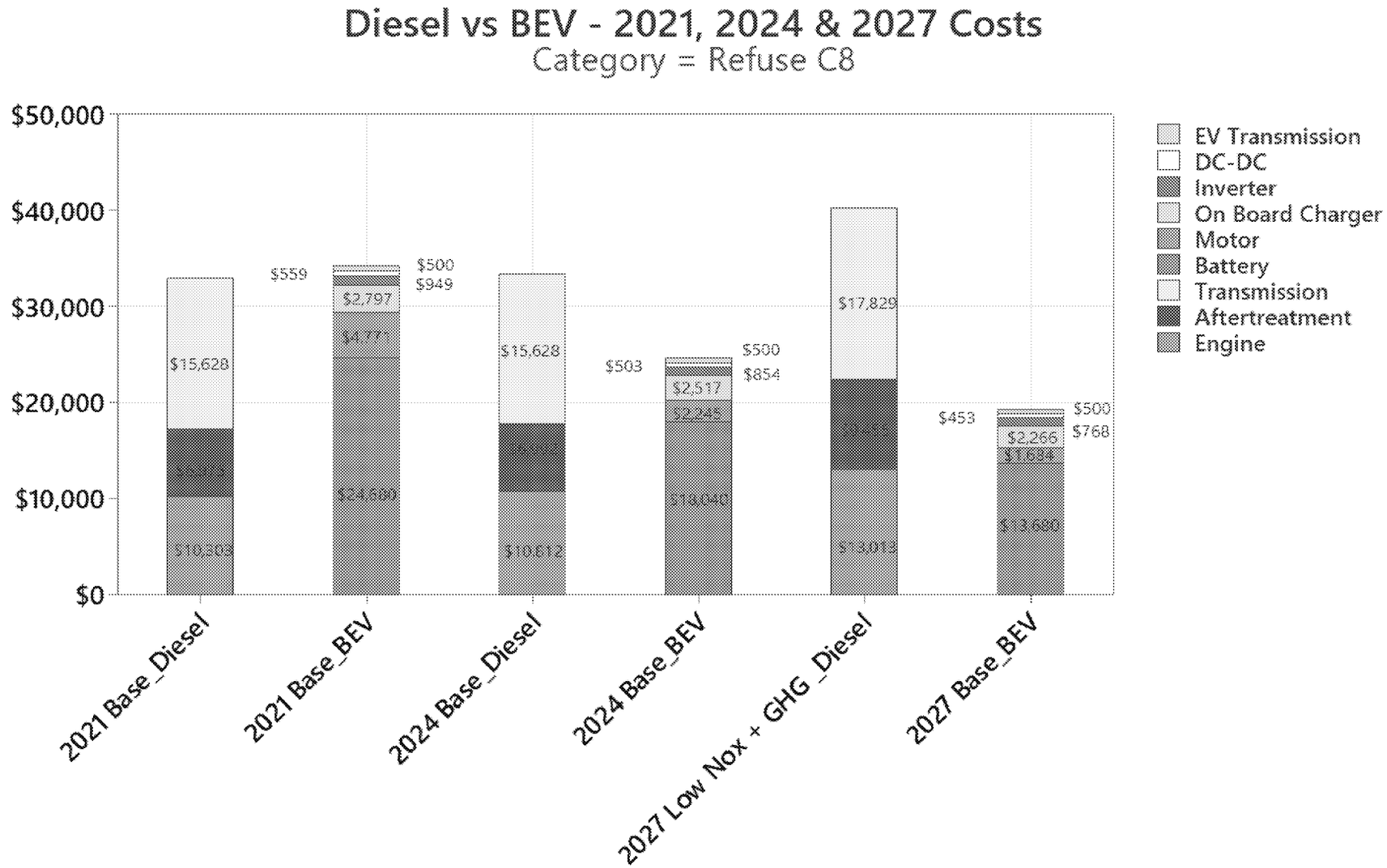
Component Costs Breakdown (2021$)



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Total Cost of Ownership Sensitivites

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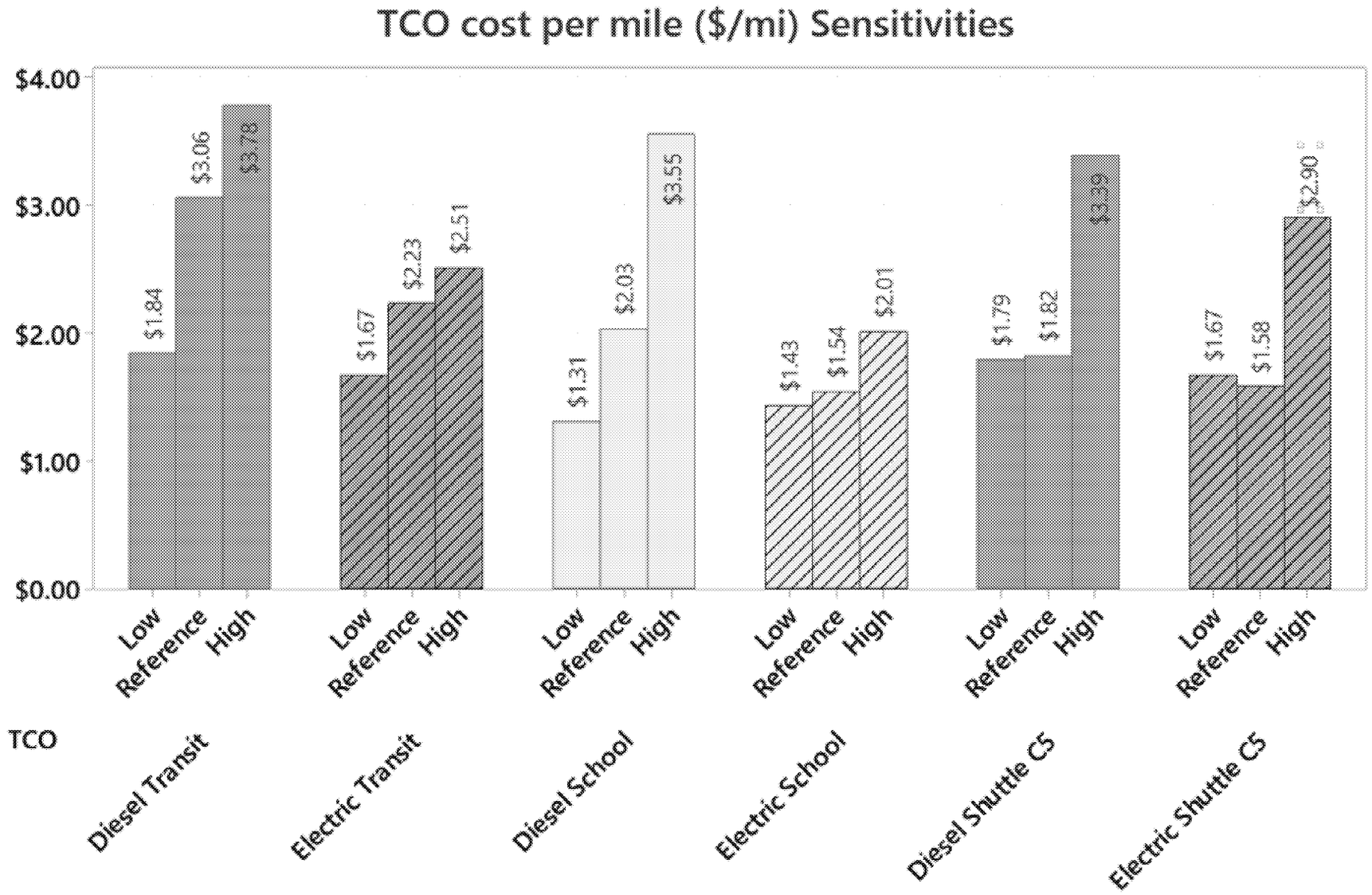
Total Cost of Ownership – Per Mile Sensitivity

- Reference Case: average mileage, moderate maintenance cost, midlife refresh (transit), 4-hour charging
- Low: Low mileage, least energy consumption per mile, lowest fuel/energy costs, 6-hour charging
- High: High mileage, highest energy costs, lowest energy economy, DC fast charger (3 buses per charger)



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Total Cost of Ownership – Per Mile Sensitivity

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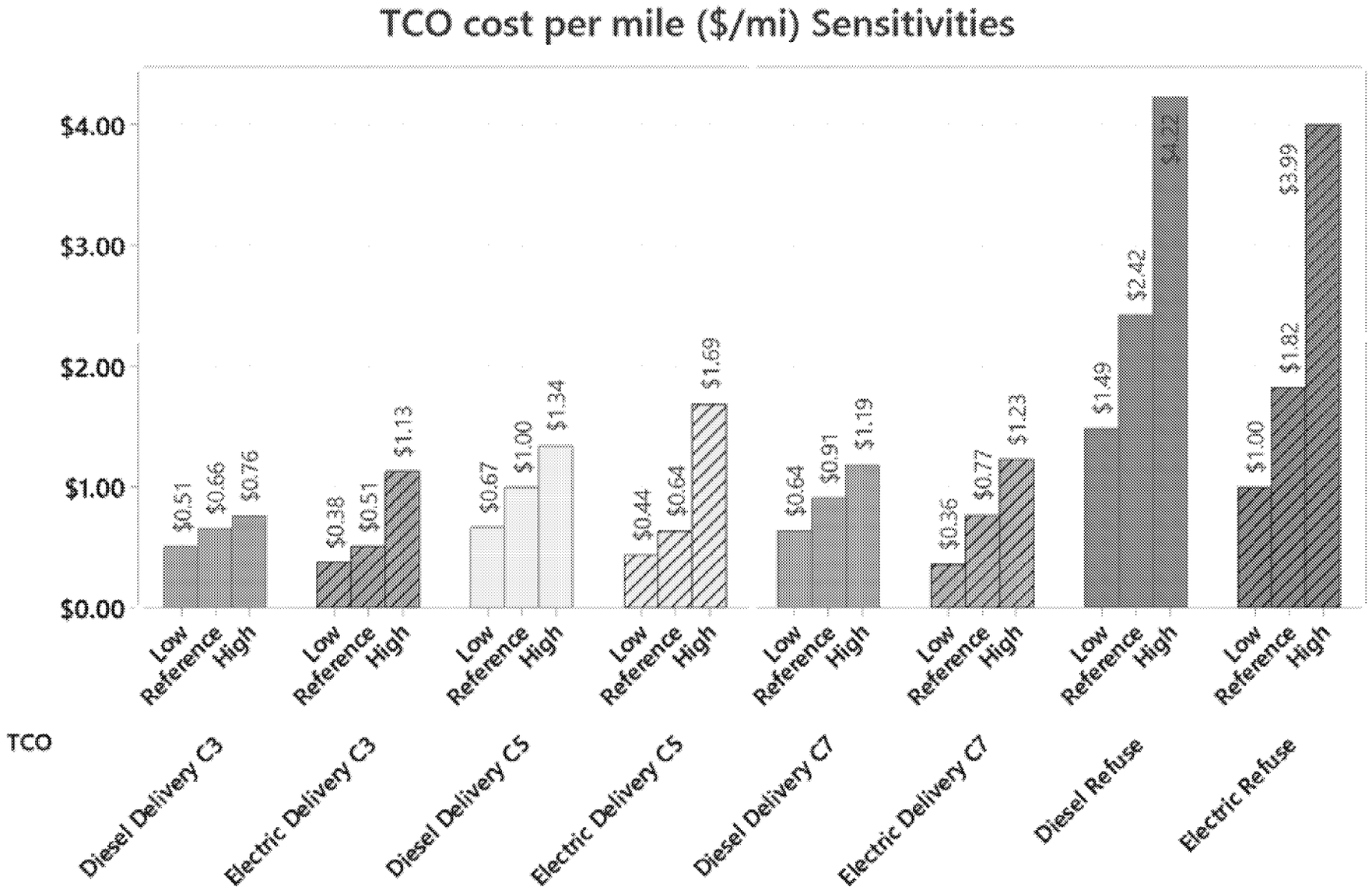

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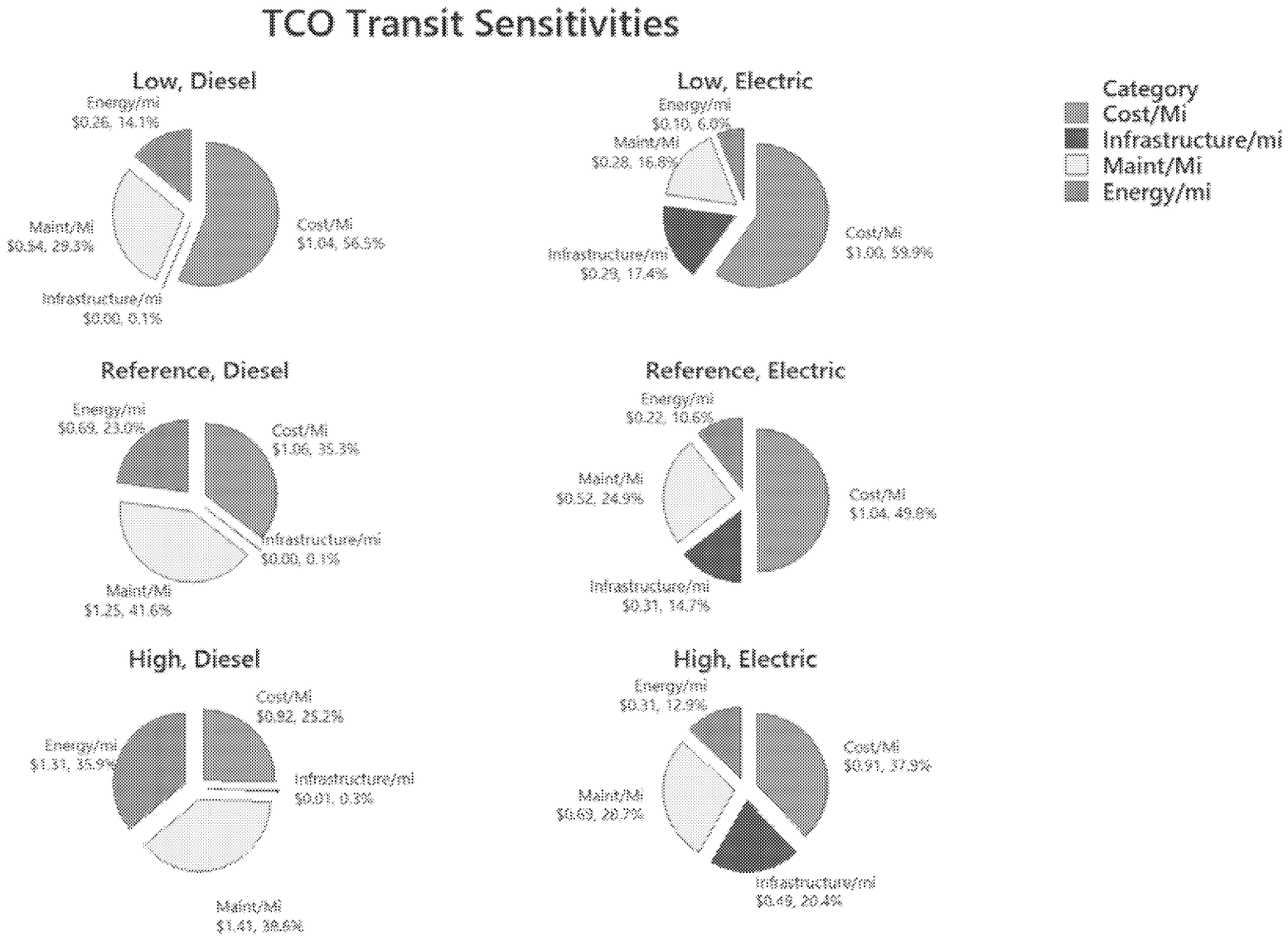
Total Cost of Ownership – Sensitivities

- Diesel:
  - Maintenance and fuel costs largest contributors to operating costs
  - Low fuel costs and higher fuel economy can increase competitiveness
- Electric:
  - Maintenance and infrastructure largest contributors to operating costs
  - Charger type has significant impact on infrastructure cost
  - Impact of charger cost can be minimized with larger fleet sizes and charging strategy



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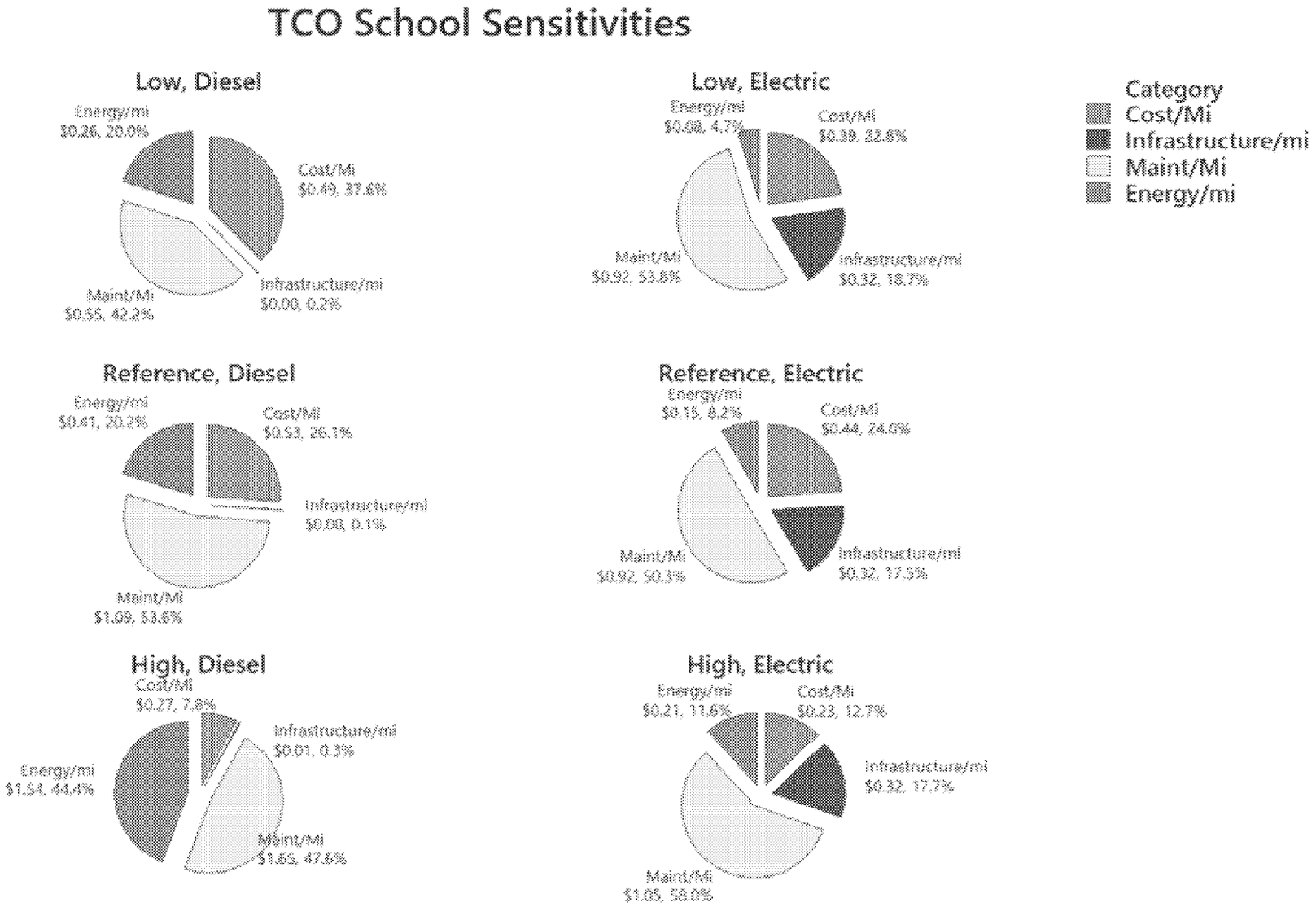
Total Cost of Ownership – Sensitivities



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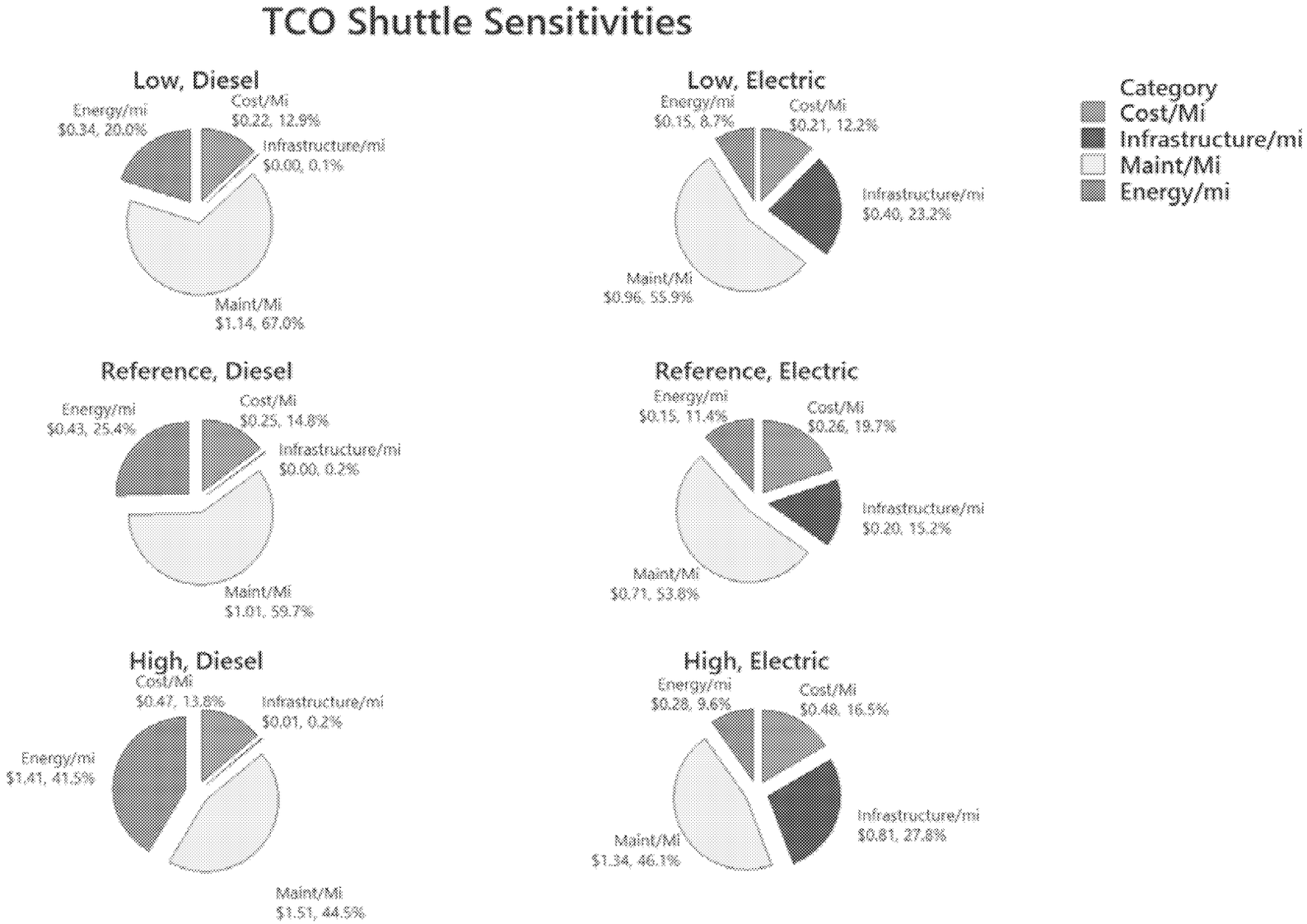
Total Cost of Ownership – Sensitivities



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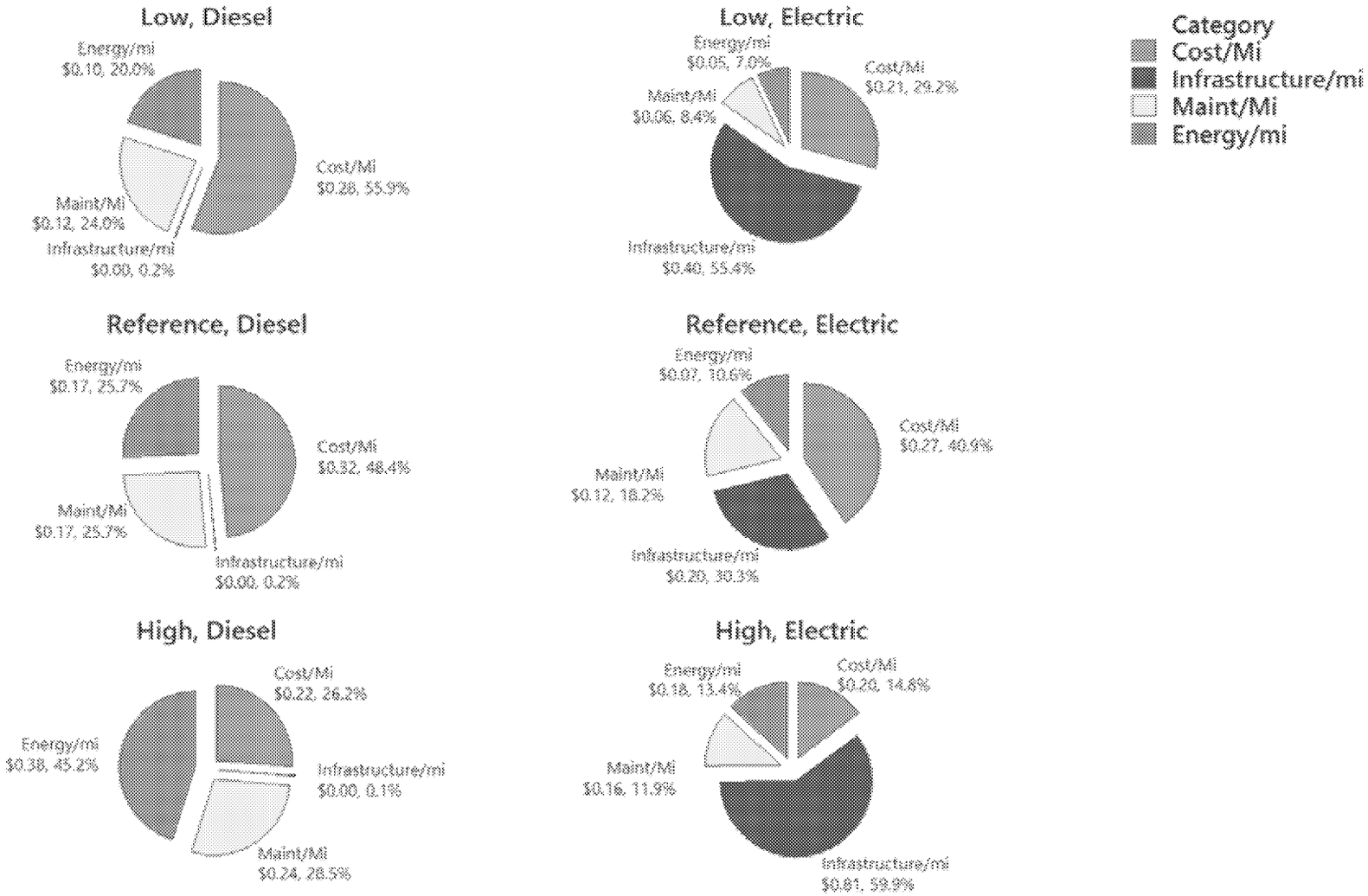
Total Cost of Ownership – Sensitivities

TCO C3 Delivery Sensitivities



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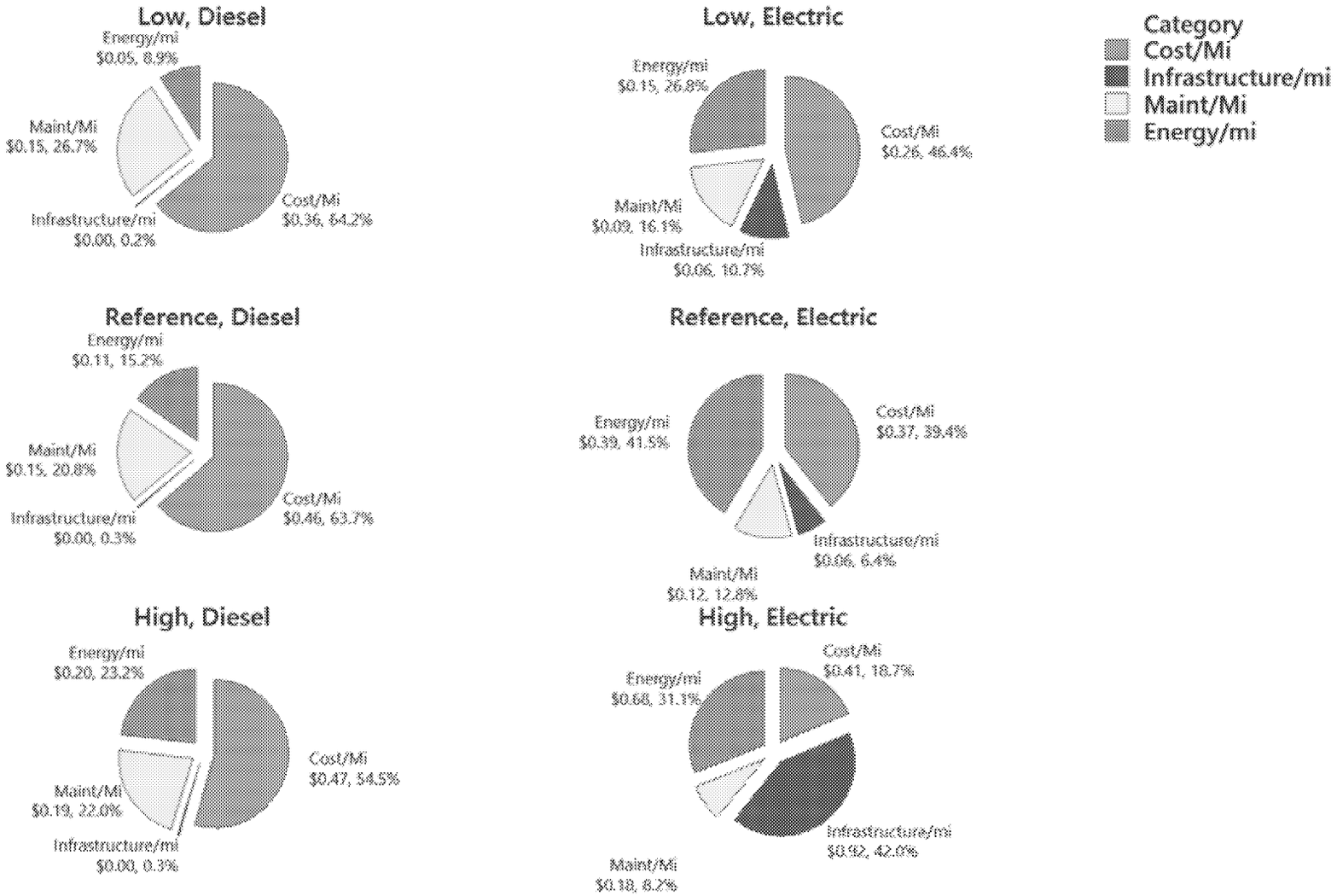
Total Cost of Ownership – Sensitivities

TCO C5 Delivery Sensitivities



DRAFT - Preliminary

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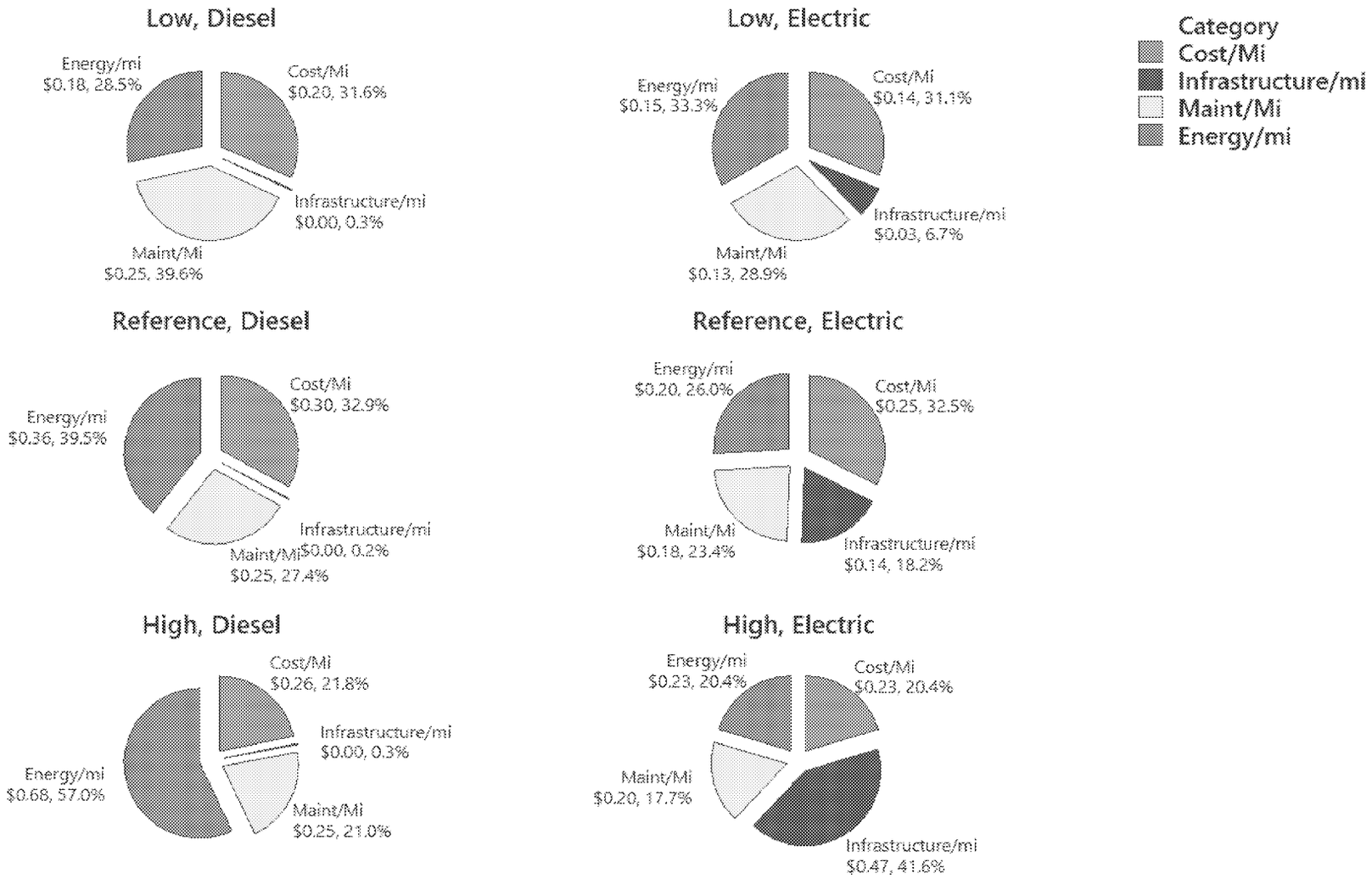
Total Cost of Ownership – Sensitivities

TCO C7 Delivery Sensitivities



DRAFT - Preliminary

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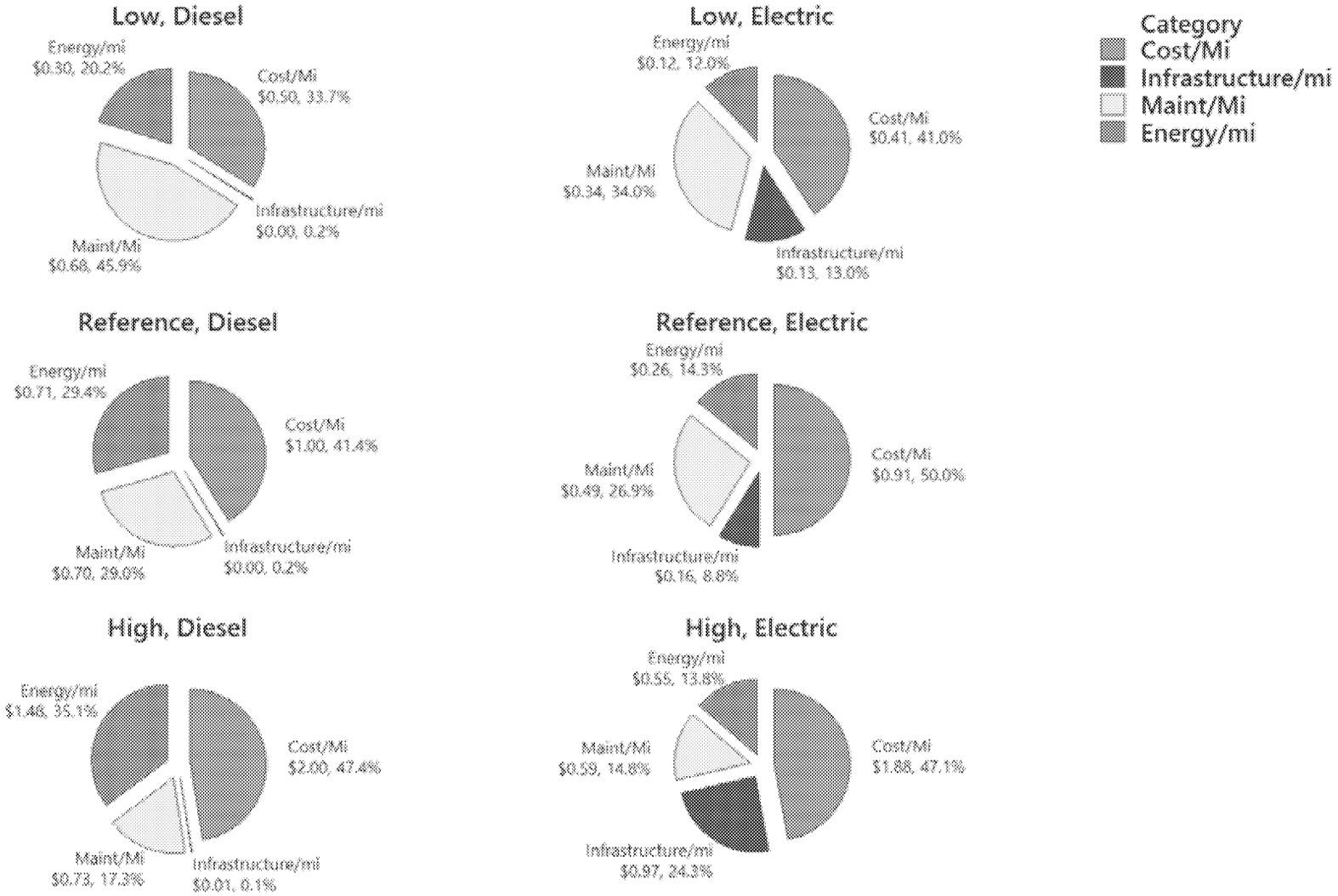
Total Cost of Ownership – Sensitivities

TCO C8 Refuse Sensitivities



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Background Costs Information

ROUSH
INGENUITY ON DEMAND

Battery Capacities

- 11 market segments/63% of fleet have large enough batteries for a day's driving
  - Most cases have sufficient range to go 50% further than average
    - Pickups, transit, school, delivery, service, refuse, box, and stake

- 8 segments/8% of fleet cover at least 60% of daily driving for vehicles in the segment

- kWh/mi and kWh/Day values from MJB report

Market Segment	Weight Class	EV kWh/mi	kWh/Day	Assumed Capacity
HD Pickup/Van	Class 2B-3	1.09	47	
Regional Haul Tractor	Class 7-8	2.14	302	
Long Haul Tractor	Class 8	2.15	644	
Transit Bus	Class 8	2.02	250	400
School Bus	Class 7-8	1.53	63	60
Shuttle Bus	Class 3-5	2.06	241	200
Delivery Van	Class 3-5	1.19	57	100
Delivery Truck	Class 6-7	1.55	185	150
Service Van	Class 3-5	1.19	57	100
Service Truck	Class 6-7	1.55	74	250
Refuse Hauler	Class 8	2.19	156	200
Box Truck	Class 3-5	1.09	52	150
	Class 6-7	1.44	86	250
	Class 8	1.67	334	
Stake Truck	Class 3-5	1.19	52	150
	Class 6-7	1.55	68	250
Dump Truck	Class 8	1.81	290	300

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2027 Detailed ICE Delete Costs For Transit Bus

- Representative engine - Cummins L9-350 - 8.9-liter Inline-6 350HP, 925-1150 lb.ft

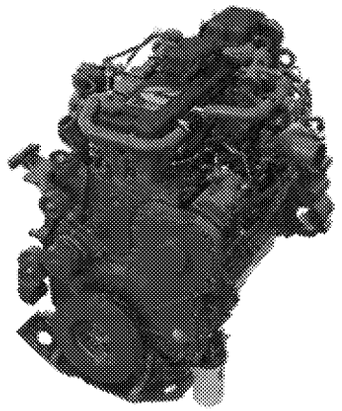
Costing a 2027+ GHG Phase-2 and California low NOx compliant engine		
Item	Cost (2021 USD)	References
2021 Base engine cost (Engine Only)	$10,303.00	Argonne National Laboratory (2015)
Added cost 2024 GHG Phase 1 Compliance	$471.95	EPA RIA 2020
Added cost 2027 GHG Phase 2 Compliance	$36.58	EPA RIA 2020
Added cost 2027 California Low NOx	$2,200.97	NREL 2020
Total	$13,012.50	

- Aftertreatment

Costing a 2027+ GHG Phase-2 and California low NOx compliant engine		
Item	Cost (2021 USD)	References
2021 Emissions Control System	$6,975	Argonne National Laboratory (2015)
Added cost 2024 GHG Phase 1 Compliance	$16.52	EPA RIA 2020
Added cost 2027 GHG Phase 2 Compliance	$1.18	EPA RIA 2020
Added cost 2027 California Low NOx	$2,462.39	NREL 2020
Total	$9,455.09	

- Transmission

Costing a Heavy-Duty Transmission for Transit Bus Application		
Item	Cost (2021 USD)	References
Transmission Replacement Cost	$15,628.00	Federal Transit Authority (2007)
Incremental Cost of Improved Transmission	$2,200.72	NHTSA Commercial MD/HD Truck Efficiency Technology Study (2015)
Total	$17,828.72	



2027 cost of

Representative engine

+

Aftertreatment

+

Transmission

=

$45,526

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2027 Detailed ICE Delete Costs For School Bus

- Representative engine - Cummins B6.7 260 – 6.7-liter Inline-6 260 HP, 660 lb.ft

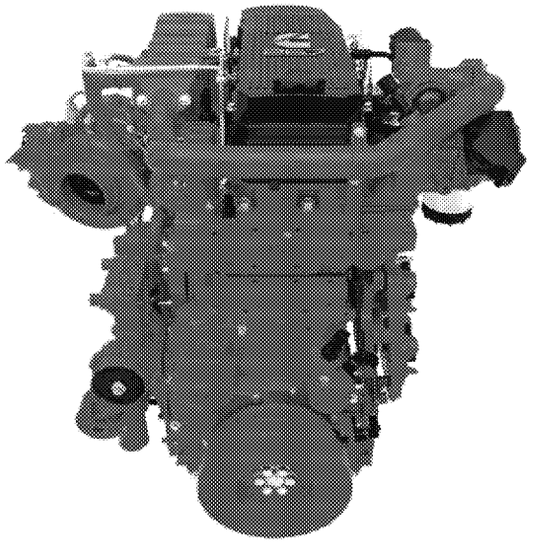
Costing a 2027+ GHG Phase-2 and California low NOx compliant engine		
Item	Cost (2021 USD)	References
2021 Base engine cost (Engine Only)	$6,507.51	Argonne National Laboratory (2015)
Added cost 2024 GHG Phase 1 Compliance	$471.95	EPA RIA 2020
Added cost 2027 GHG Phase 2 Compliance	$36.58	EPA RIA 2020
Added cost 2027 California Low NOx	$1,419.45	NREL 2020
Total	$8,435.49	

- Aftertreatment

Costing a 2027+ GHG Phase-2 and California low NOx compliant engine		
Item	Cost (2021 USD)	References
2021 Emissions Control System	$4,338.34	Argonne National Laboratory (2015)
Added cost 2024 GHG Phase 1 Compliance	$16.52	EPA RIA 2020
Added cost 2027 GHG Phase 2 Compliance	$1.18	EPA RIA 2020
Added cost 2027 California Low NOx	$2,262.35	NREL 2020
Total	$6,618.39	

- Transmission

Costing a Heavy-Duty Transmission for Transit Bus Application		
Item	Cost (2021 USD)	References
Transmission Replacement Cost	$7,676.82	Federal Transit Authority (2007)
Incremental Cost of Improved Transmission	$2,200.72	NHTSA Commercial MD/HD Truck Efficiency Technology Study (2015)
Total	$9,877.54	



2027 COST OF

Representative engine

+

Aftertreatment

+

Transmission

=

$24,931

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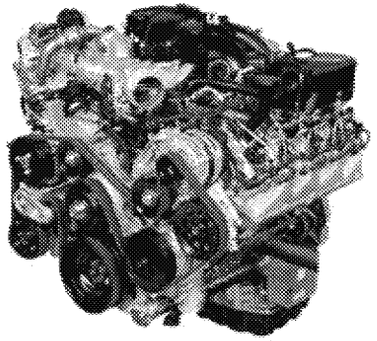
2027 Detailed ICE Delete Costs For C5 Shuttle

- Representative engine – Ford Powerstroke – 6.7-liter V-8, 300 HP, 660 lb-ft

Costing a 2027+ GHG Phase-2 and California low NOx compliant engine		
Item	Cost (2021 USD)	References
2021 Base engine cost (Engine Only)	$8,134.39	Argonne National Laboratory (2015)
Added cost 2024 GHG Phase 1 Compliance	$471.95	EPA RIA 2020
Added cost 2027 GHG Phase 2 Compliance	$36.58	EPA RIA 2020
Added cost 2027 California Low NOx	$1,419.45	NREL 2020
Total	$10,062.37	



- Aftertreatment

Costing a 2027+ GHG Phase-2 and California low NOx compliant engine		
Item	Cost (2021 USD)	References
2021 Emissions Control System	$4,880.63	Argonne National Laboratory (2015)
Added cost 2024 GHG Phase 1 Compliance	$16.52	EPA RIA 2020
Added cost 2027 GHG Phase 2 Compliance	$1.18	EPA RIA 2020
Added cost 2027 California Low NOx	$2,262.35	NREL 2020
Total	$7,160.68	

- Transmission

Costing a Heavy-Duty Transmission for Transit Bus Application		
Item	Cost (2021 USD)	References
Transmission Replacement Cost	$2,600	Ford Service

2027 COST OF

Representative engine

+

Aftertreatment

+

Transmission

=

$19,823

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2027 Detailed ICE Delete Costs For C3 Shuttle

- Representative engine – Ford PowerStroke 3.2 L – I-4 185 HP, 350 lb-ft

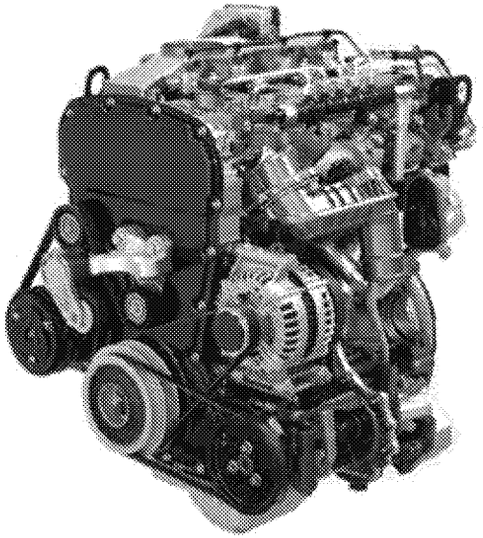
Costing a 2027+ GHG Phase-2 and California low NOx compliant engine		
Item	Cost (2021 USD)	References
2021 Base engine cost (Engine Only)	$3,796.05	Argonne National Laboratory (2015)
Added cost 2024 GHG Phase 1 Compliance	$511.63	EPA RIA 2020
Added cost 2027 GHG Phase 2 Compliance	$40.77	EPA RIA 2020
Added cost 2027 California Low NOx	$1,419.45	NREL 2020
Total	$5,767.90	

- Aftertreatment

Costing a 2027+ GHG Phase-2 and California low NOx compliant engine		
Item	Cost (2021 USD)	References
2021 Emissions Control System	$4,338.34	Argonne National Laboratory (2015)
Added cost 2024 GHG Phase 1 Compliance	$16.52	EPA RIA 2020
Added cost 2027 GHG Phase 2 Compliance	$1.18	EPA RIA 2020
Added cost 2027 California Low NOx	$2,262.35	NREL 2020
Total	$6,618.39	

- Transmission

Costing a Heavy-Duty Transmission for Transit Bus Application		
Item	Cost (2021 USD)	References
Transmission Replacement Cost	$2,600.00	



2027 COST OF

Representative engine

+

Aftertreatment

+

Transmission

=

$14,986

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2027 Detailed Electrification Costs For Transit Bus

- 400 kWh Battery, 260 kW motor, 100 kW On-Board Charger, 10 kW DC-DC Converter

Electrification Add Costs for Transit Bus 260 kW

Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$49,360.00	$36,080.00	$27,360.00
Inverter	$948.65	$853.78	$768.41
Onboard Charger – Ref 100 kW	$5,594.16	$5,034.74	$4,531.27
Onboard Charger – Low 70 kW	$3,915.91	$3,524.32	$3,171.89
DC-DC converter	$559.42	$503.47	$453.13
Motor (HD)	$4,770.91	$2,245.14	$1,683.85
Transmission	$500.00	$500.00	$500.00
Total – Ref	**$61,733.14**	**$45,217.14**	**$35,296.65**
Total – Low	**$60,054.89**	**$43,706.71**	**$33,937.27**

- Sensitivities: LFP Battery, LD Motor

Transit Bus Electrification Sensitivities

Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$42,980.00	$31,416.50	$23,823.60
Motor (LD)	$1,044.76	$940.28	$846.25
Total sensitivity 1 (LFP battery)	**$55,353.14**	**$40,553.64**	**$31,760.25**
Total sensitivity 2 (LFP battery+ LD motor)	**$51,626.98**	**$39,248.78**	**$30,922.65**

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2027 Detailed Electrification Costs For School Bus

- 60 kWh Battery, 190 kW motor, 15 kW On-Board Charger, 10 kW DC-DC Converter

Electrification Add Costs for School Bus 190 kW			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$7,404.00	$5,412.00	$4,104.00
Inverter	$693.24	$623.92	$561.53
Onboard Charger – Ref 15 kW	$839.12	$755.21	$679.69
Onboard Charger – Low 10 kW	$559.42	$503.47	$453.13
DC-DC converter	$559.42	$503.47	$453.13
Motor (HD)	$3,486.44	$1,640.68	$1,230.51
Transmission	$500.00	$500.00	$500.00
Total – Ref	**$13,482.22**	**$9,435.28**	**$7,528.85**
Total – Low	**$13,202.51**	**$9,183.54**	**$7,302.29**

- Sensitivities: LFP Battery, LD Motor

School Bus Electrification Sensitivities			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$6,447.00	$4,712.47	$3,573.54
Motor (LD)	$763.48	$687.13	$618.42
Total sensitivity 1 (LFP battery)	**$12,525.22**	**$8,735.76**	**$6,998.39**
Total sensitivity 2 (LFP battery+ LD motor)	**$9,802.26**	**$7,782.21**	**$6,386.30**

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2027 Detailed Electrification Costs For Class 5 Shuttle

- 200 kWh Battery, 223 kW motor, 50 kW On-Board Charger, 10 kW DC-DC Converter

Electrification Add Costs for Class 5 Shuttle 223 kW			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$24,680.00	$18,040.00	$13,680.00
Inverter	$813.65	$732.28	$659.06
Onboard Charger – Ref 50 kW	$2,797.08	$2,517.37	$2,265.63
Onboard Charger – Low 35 kW	$1,957.96	$1,762.16	$1,585.94
DC-DC converter	$559.42	$503.47	$453.13
Motor (HD)	$4,091.98	$1,925.64	$1,444.23
Transmission	$500.00	$500.00	$500.00
Total – Ref	**$33,442.12**	**$24,218.77**	**$19,002.04**
Total – Low	**$32,603.00**	**$23,463.55**	**$18,322.35**

- Sensitivities: LFP Battery, LD Motor

Class 5 Shuttle Electrification Sensitivities			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$21,490.00	$15,708.25	$11,911.80
Motor (LD)	$896.08	$806.47	$725.83
Total sensitivity 1 (LFP battery)	**$30,252.12**	**$21,887.02**	**$17,233.84**
Total sensitivity 2 (LFP battery+ LD motor)	**$27,056.22**	**$20,767.85**	**$16,515.44**

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2027 Detailed Electrification Costs For Class 3 Shuttle

- 200 kWh Battery, 138 kW motor, 50 kW On-Board Charger, 10 kW DC-DC Converter

Electrification Add Costs for Class 3 Shuttle 138 kW			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$24,680.00	$18,040.00	$13,680.00
Inverter	$503.51	$453.16	$407.85
Onboard Charger – Ref 50 kW	$2,797.08	$2,517.37	$2,265.63
Onboard Charger – Low 25 kW	$1,957.96	$1,762.16	$1,585.94
DC-DC converter	$559.42	$503.47	$453.13
Motor (HD)	$2,532.25	$1,191.65	$893.74
Transmission	$500.00	$500.00	$500.00
Total – Ref	**$31,572.26**	**$23,205.66**	**$18,200.34**
Total – Low	**$30,733.14**	**$22,450.45**	**$17,520.65**

- Sensitivities: LFP Battery, LD Motor

Class 3 Shuttle Electrification Sensitivities			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$21,490.00	$15,708.25	$11,911.80
Motor (LD)	$554.53	$499.07	$449.17
Total sensitivity 1 (LFP battery)	**$28,382.26**	**$20,873.91**	**$16,432.14**
Total sensitivity 2 (LFP battery+ LD motor)	**$26,404.53**	**$20,181.33**	**$15,987.57**

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2027 Detailed Electrification Costs For Class 3 Delivery Van

- 100 kWh Battery, 138 kW motor, 25 kW On-Board Charger, 10 kW DC-DC Converter

Electrification Add Costs for Class 3 Delivery Van 138 kW

Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$12,340.00	$9,020.00	$6,840.00
Inverter	$503.51	$453.16	$407.85
Onboard Charger – Ref 25 kW	$1,398.54	$1,258.69	$1,132.82
Onboard Charger – Low 20 kW	$1,118.83	$1,006.95	$906.25
DC-DC converter	$559.42	$503.47	$453.13
Motor (HD)	$2,532.25	$1,191.65	$893.74
Transmission	$500.00	$500.00	$500.00
Total – Ref	**$17,833.72**	**$12,926.97**	**$10,227.53**
Total – Low	**$17,554.02**	**$12,675.23**	**$10,000.96**

- Sensitivities: LFP Battery, LD Motor

Class 3 Shuttle Electrification Sensitivities

Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$10,745.00	$7,854.12	$5,955.90
Motor (LD)	$554.53	$499.07	$449.17
Total sensitivity 1 (LFP battery)	**$14,260.99**	**$11,068.52**	**$8,898.86**
Total sensitivity 2 (LFP battery+ LD motor)	**$13,981.29**	**$10,816.78**	**$8,672.29**

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2027 Detailed Electrification Costs For Class 5 Delivery

- 100 kWh Battery, 223 kW motor, 25 kW On-Board Charger, 10 kW DC-DC Converter

Electrification Add Costs for Class 3 Delivery Van 138 kW			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$12,340.00	$9,020.00	$6,840.00
Inverter	$813.65	$732.28	$659.06
Onboard Charger – Ref 25 kW	$1,398.54	$1,258.69	$1,132.82
Onboard Charger – Low 20 kW	$1,118.83	$1,006.95	$906.25
DC-DC converter	$559.42	$503.47	$453.13
Motor (HD)	$4,091.98	$1,925.64	$1,444.23
Transmission	$500.00	$500.00	$500.00
Total – Ref	**$19,703.58**	**$13,940.08**	**$11,029.23**
Total – Low	**$19,423.87**	**$13,688.34**	**$10,802.66**

- Sensitivities: LFP Battery, LD Motor

Class 3 Shuttle Electrification Sensitivities			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$10,745.00	$7,854.12	$5,955.90
Motor (LD)	$896.08	$806.47	$725.83
Total sensitivity 1 (LFP battery)	**$14,912.69**	**$11,655.04**	**$9,426.72**
Total sensitivity 2 (LFP battery+ LD motor)	**$14,632.98**	**$11,403.30**	**$9,200.16**

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2027 Detailed Electrification Costs For Class 7 Delivery

- 150 kWh Battery, 190 kW motor, 40 kW On-Board Charger, 10 kW DC-DC Converter

Electrification Add Costs for Class 3 Delivery Van 138 kW			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$18,510.00	$13,530.00	$10,260.00
Inverter	$693.24	$623.92	$561.53
Onboard Charger – Ref 40 kW	$2,237.66	$2,013.90	$1,812.51
Onboard Charger – Low 25 kW	$1,398.54	$1,298.69	$1,132.82
DC-DC converter	$559.42	$503.47	$453.13
Motor (HD)	$3,486.44	$1,640.68	$1,230.51
Transmission	$500.00	$500.00	$500.00
Total – Ref	**$25,986.76**	**$18,811.97**	**$14,817.67**
Total – Low	**$25,147.64**	**$18,056.76**	**$14,137.98**

- Sensitivities: LFP Battery, LD Motor

Class 3 Shuttle Electrification Sensitivities			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$16,117.50	$11,781.19	$8,933.85
Motor (LD)	$763.48	$687.13	$618.42
Total sensitivity 1 (LFP battery)	**$23,594.26**	**$17,063.15**	**$13,491.52**
Total sensitivity 2 (LFP battery+ LD motor)	**$20,871.30**	**$16,109.61**	**$12,879.43**

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2027 Detailed Electrification Costs For Class 8 Refuse

- 200 kWh Battery, 260 kW motor, 50 kW On-Board Charger, 10 kW DC-DC Converter

Electrification Add Costs for Class 3 Delivery Van 138 kW			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$24,680.00	$18,040.00	$13,680.00
Inverter	$948.65	$853.78	$768.41
Onboard Charger – Ref 50 kW	$2,797.08	$2,517.37	$2,265.63
Onboard Charger – Low 35 kW	$1,957.96	$1,762.16	$1,585.94
DC-DC converter	$559.42	$503.47	$453.13
Motor (HD)	$4,770.91	$2,245.14	$1,683.85
Transmission	$500.00	$500.00	$500.00
Total – Ref	**$34,256.06**	**$24,659.77**	**$19,351.02**
Total – Low	**$33,416.93**	**$23,904.55**	**$18,671.33**

- Sensitivities: LFP Battery, LD Motor

Class 3 Shuttle Electrification Sensitivities			
Item	2021 Base Cost	2024 Projected Cost	2027-2030 Projected Cost
Battery pack	$21,490.00	$15,708.25	$11,911.80
Motor (LD)	$1,044.76	$940.28	$846.25
Total sensitivity 1 (LFP battery)	**$31,066.06**	**$22,328.02**	**$17,582.8**
Total sensitivity 2 (LFP battery+ LD motor)	**$27,339.90**	**$21,023.16**	**$16,745.22**

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EV Infrastructure/Charger Costs

70 kW Charger Cost

Source	Charger
NREL 2020	$55,941.59
Rocky Mountain Institute 2019 (DCFC)	$29,143.59
Quarles 2020	$52,660.19
Harvard 2018	$73,989.19

70 kW Installation Cost

Source	Charger
NREL 2020	$19,076.08
Harvard 2018 Challenges and Opportunities EV	$38,502.88

150 kW Charger Cost

Source	Charger
Rocky Mountain Institute 2019	$94,446.83
Quarles 2020 Costs/Benefits of Electrifying Fleets	$115,852.41
Harvard 2018 Challenges and Opportunities EV	$98,652.26

150 kW Installation Cost

Source	Charger
Harvard 2018 Challenges and Opportunities EV	$38,502.88

350 kW Charger Cost

Source	Charger
NREL 2020	$554,533.32
Rocky Mountain Institute 2019	$150,035.53
Harvard 2018 Challenges and Opportunities EV	$153.459.07

350 kW Installation Cost

Source	Charger
NREL 2020	$226,911.40
Harvard 2018 Challenges and Opportunities EV	$38,502.88

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Charging Infrastructure

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INGENUITY ON DEMAND

Technology Review: Charging Infrastructure

- Level 1, 2 chargers (2-20 kW AC) require onboard charger to convert AC to DC for battery charging
  - Slow, overnight depot charging for smaller battery applications (School buses)
- Reference case assumption – depot charging and vehicle on-board charger rated for **70 kW**
  - Higher vehicle cost. Minimum infrastructure cost
  - TCO Assumption: **$54,300 charger, $21,938 installation**
- Level 3 DC fast charger – up to 350 kW
  - Higher upfront charger and infrastructure cost
  - Faster charging can allow charger to be shared among many buses
- 600kW ultrafast charger (opportunity/ on-route charging)
  - Viable for daily use over 200 miles up to 400 miles
- Optimum mix of chargers and bus specification depends on:
  - Number of buses and route distances
  - Larger fleets can amortize the cost of DC fast chargers in shorter time

ABB "Pantograph down" on route charging up to 600kW

Charging infrastructure + vehicle battery pack size to be optimized for fleet size and route lengths

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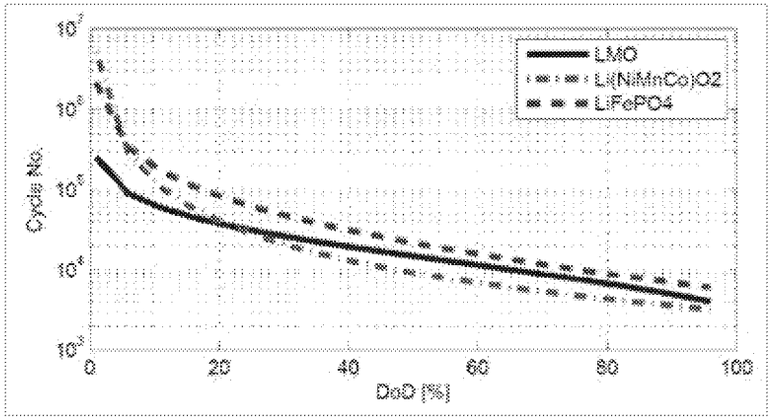
Application of Light Duty Technology to Heavy Duty

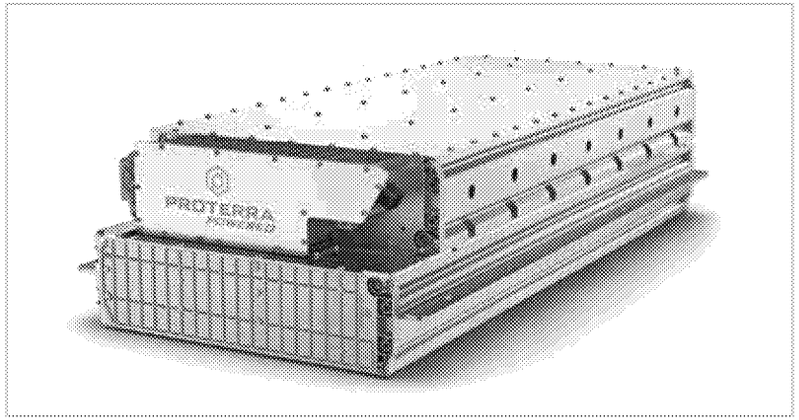
ROUSH
INGENUITY ON DEMAND

Application of LD technology and costs to MDHD - Batteries

- Batteries gradually becoming commodity with a few large suppliers - (CATL, LG, Panasonic, SDI, BYD)
- Standard form factors in the cylindrical space - 18650, 2170, 4680 - Battery chemistry can be upgraded, or suppliers changed without changing pack designs
- Suppliers offering modules that can be combined into packs with required voltage and energy capacity
- Current batteries suitable for high mileage MDHD applications by marginally reducing depth of discharge
  - Slightly upsized battery pack, opportunity charging to manage depth of discharge
- CATL high cycle life batteries - equivalent to 1.25 million miles in HD application. 10% price premium



Effect of depth of discharge on cycle life. Small decrease in depth of discharge increases cycle life significantly



Proterra Battery modules using 2170 cells for MDHD applications - now available to other OEMs

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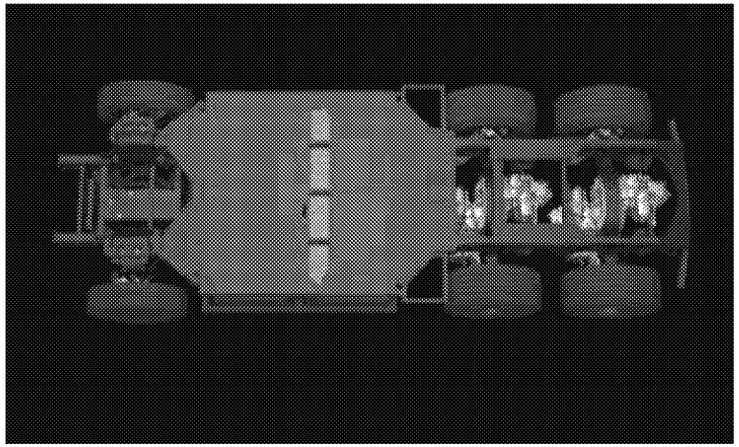
Application of LD technology and costs to MDHD - Motors

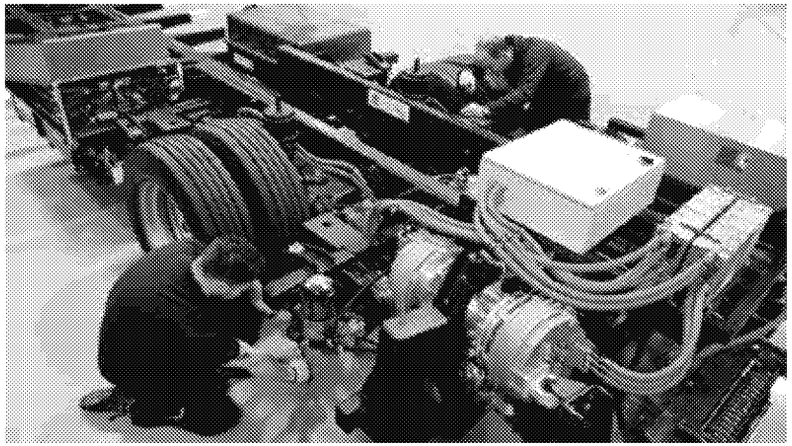
- More manufacturers moving towards multiple smaller motors for MD HD applications. Smaller number of discrete motor sizes powering entire range of vehicles from class 3 to 8
  - Freightliner eCascadia - 2 motors per axle (4 motors in total)
  - Tesla Semi - 4 independent motors based on the Model 3/ Model Y motor design
- Motors designed for a million miles will need more conservative thermal limits/ improved cooling, insulation that withstands thermal cycling. Does not involve significant cost difference from light duty applications
- Unlike IC engines, no (sliding friction) wearing parts except ball/ roller bearings



Tesla semi drivetrain

Tesla class 8 semi truck uses 4 smaller motors – one for each wheel. Based on model 3 motor

(source: Tesla)



Equipmake Ebus chassis

Bus powered my two AMP 200 (220kW 10,000 rpm) PM synchronous motors weighing 40 kg

Research program supported by grant from Innovate UK
(source: Equipmake)

Multiple smaller motor for HD applications – Unlike ICE, Low volume application specific motors not essential

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Message

From: Vickie Patton [vpatton@edf.org]
Sent: 10/14/2021 3:35:16 PM
To: Nunez, Alejandra [Nunez.Alejandra@epa.gov]; Dunham, Sarah [Dunham.Sarah@epa.gov]; Charmley, William [charmley.william@epa.gov]
CC: Chester France [cjfrance@sbcglobal.net]; Peter Zalzal [pzalzal@edf.org]; Alice Henderson [ahenderson@edf.org]
Subject: Meeting on Accelerated EV Readiness for MD/HD Vehicle Market Segments (Corrected Email Addresses)
Attachments: Roush Advanced Engineering - Oct 11 2021.pdf

Dear EPA Officials,

We respectfully request a meeting on the additional analysis by Roush Advanced Engineering, attached, documenting the accelerated readiness of EVs for MD/HD vehicle market segments.

Thank you for your consideration of this request and thank you for your public service.

Sincerely yours,
Vickie Patton

This e-mail and any attachments may contain confidential and privileged information. If you are not the intended recipient, please notify the sender immediately by return e-mail, delete this e-mail and destroy any copies. Any dissemination or use of this information by a person other than the intended recipient is unauthorized and may be illegal.

Message

From: Reynolds, Joel [jreynolds@nrdc.org]
Sent: 6/1/2021 4:32:19 PM
To: Regan, Michael [Regan.Michael@epa.gov]
CC: Nishida, Jane [Nishida.Jane@epa.gov]; Cassady, Alison [Cassady.Alison@epa.gov]; Dieu, Martin [Dieu.Martin@epa.gov]; Berrios, Lisa [Berrios.Lisa@epa.gov]; Fox, Radhika [Fox.Radhika@epa.gov]; Sabater, Juan [Sabater.Juan@epa.gov]; tkiekowheimer@nrdc.org; ahurley@utbb.org; Matthew Newman [mnewman@narf.org]; Johnson, Katiana [kjohnson@nrdc.org]; Bernard, Mitch [mbernard@nrdc.org]
Subject: "Bristol Bay Tribes to EPA: Veto Pebble Mine Now and Forever"

Dear Administrator Regan:

Following up on NRDC's May 3, 2021 Memorandum in Support of Request to Protect the Bristol Bay Watershed from the Pebble Mine Under Section 404(c) of the Federal Clean Water Act, please find linked below the blog posted today urging your consideration of the Bristol Bay Tribes' formal request for EPA action on this critically important matter:

https://www.nrdc.org/experts/joel-reynolds/bristol-bay-tribes-epa-veto-pebble-mine-now-and-forever

Thank you for your strong leadership, good work, and immediate attention to this matter.

Sincerely,

Joel Reynolds

Joel Reynolds
Western Director
Senior Attorney
Natural Resources Defense Council
NRDC Action Fund
1314 Second Street
Santa Monica, CA 90401
(310) 434-2300
(310) 434-2399 (fax)

Message

From: Bapna, Manish [mbapna@nrdc.org]
Sent: 10/13/2021 1:54:41 PM
To: Regan, Michael [Regan.Michael@epa.gov]
CC: Lucey, John [Lucey.John.D@epa.gov]; Lance, Kathleen [Lance.Kathleen@epa.gov]; Wetzler, Andrew [awetzler@nrdc.org]; Bernard, Mitch [mbernard@nrdc.org]
Subject: NRDC's Priorities for EPA
Attachments: 2021.10 Memo re NRDC EPA Priorities.pdf

Dear Administrator Regan,

It was wonderful to speak with you a couple of weeks ago. We are also delighted you will be joining us at our board meeting on Friday. As we discussed, I would like to share a memo (attached) that outlines NRDC priorities for the EPA. We would enjoy the opportunity to discuss this further with you and your team in the coming weeks. Shall we work with your team to find time for a follow-up call?

Very best,

Manish

Manish Bapna
President & CEO
Natural Resources Defense Council
202-491-8588 (m)

NRDC Priorities for EPA

TO: Michael Regan, Administrator, U.S. Environmental Protection Agency
DATE: October 11, 2021
FROM: Manish Bapna, President and CEO

This memorandum sets out Natural Resources Defense Council's (NRDC's) suggested priorities for the U.S. Environmental Protection Agency (EPA). We have organized these priorities into two sections. First, those issues that we believe should be the Agency's overall priorities and that we hope will be the focus of your personal attention. Second, our top priorities by Office within EPA Headquarters. We have also provided you with NRDC staff contacts in case you would like to initiate discussions on any of these issues at a staff-to-staff level.

For our part, NRDC stands ready to support EPA as it moves forward to solve the climate crisis, protect human health, safeguard the environment, and implement President Biden's Build Back Better Agenda. We will provide you, and the public, with our scientific, legal, and policy analysis, including providing technical comments on proposed rules that cover the topics discussed in this memo. In addition, NRDC will continue to activate it's over 3 million members and activists, including our Board of Trustees, in support of these priorities. We will continue to work in partnership with other organizations that share our agenda and, in particular, we will do our best to raise up the voices of frontline and environmental justice communities. When needed, NRDC will push your Agency to adopt aggressive schedules and to hold EPA accountable to fulfilling its mission to protect human health and the environment.

Thank you for giving this memo your attention and for your work to create a healthier, more just, and more sustainable environment.

Manish Bapna
President & CEO
Natural Resources Defense Council

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I. Office of the Administrator

NRDC's three top priorities for the Agency, and the issues to which we hope you will give your personal attention, are:

1. **Climate change rules:** It is critical that the Agency issue strong regulations for power plants and vehicles. Specifically, we urge you to (1) establish a clear and aggressive schedule for adopting a suite of power plant standards that regulate CO_2 and conventional pollutants; and (2) finalize the strongest feasible emissions standards for new light-, medium-, and heavy-duty vehicles (*see* Office of Air and Radiation).

2. **Water rules:** We also urge EPA to move aggressively to protect water quality by issuing regulations that: (1) protect headwaters and wetlands; and (2) get lead out of our drinking water. Specifically, we urge you ensure that EPA sets an aggressive schedule for issuing a regulatory definition of "waters of the United States," ensure that any replacement rule is based in science and law, and that it follows recent federal court decisions brought by several Tribes that struck down the defective Trump Administration rule (*see* Office of Water).

3. **Justice40:** Finally, we urge you to make implementing President Biden's commitment to deliver at least 40 percent of the overall benefits from Federal investments in climate and clean energy to disadvantaged communities a reality. As you know, all Federal agencies are responsible for the implementation of the Justice40 Initiative. The EPA should ensure that agency staff and programs work with states and local communities to make good on President Biden's promise, beginning with updating the EPA's Environmental Justice Screen and possibly merging it with the new Climate and Economic Justice Mapping Tool. This national mapping of environmental, climate, and social inequality could be utilized to allocate resources across EPA's programs and determine the effect of EPA regulatory and standards interventions.

   NRDC Justice40 Staff Contacts: Valerie Baron (vbaron@nrdc.org) and Khalil Shahyd (kshahyd@nrdc.org)

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II. EPA Headquarters Offices

A. Office of Air and Radiation

Multi-Pollutant Power Plant Standards

NRDC Staff Contact: Lissa Lynch (llynch@nrdc.org)

Even if Congress passes a reconciliation package that includes clean energy tax credits and a Clean Electricity Performance Program, for the Administration to meet its target of a carbon pollution-free power sector by 2035 and address the public health harms caused by fossil-fired power plants, EPA needs to adopt strong standards under its existing Clean Air Act authorities to limit these plants' CO_2 and conventional pollutant emissions.

Actions requested: EPA should establish a clear and aggressive schedule for adopting a suite of power plant standards that regulate CO_2 and conventional pollutants. This should include near-term action on: limiting CO_2 emissions from existing and new power plants via Section 111; strengthening the Mercury and Air Toxics Standards for coal plants under Section 112; and updating the National Ambient Air Quality Standards for fine particulate matter and ozone.

Vehicle Standards

NRDC Staff Contact: Luke Tonachel (ltonachel@nrdc.org) and Heather Kryczka (hkryczka@nrdc.org)

Finalizing the strongest feasible emissions standards for new light-, medium-, and heavy-duty vehicles is essential for both meeting the climate challenge and eliminating air pollution that threatens health in our communities, especially in those near highways, freight corridors, warehouses, and ports. To allow for fleet turnover and achieve net-zero carbon emissions by 2050, new vehicles sales need to be zero-emissions no later than 2035 for light-duty vehicles and no later than 2040 for heavy-duty vehicles.

Actions requested: On light-duty vehicles, we urge EPA to strengthen and finalize the model year (MY) 2023-2026 standards by adopting Alternative 2 and tightening the MY 2026 standard by 10 g/mi. We also request EPA propose emission standards by August 2022 that start with MY 2027 and achieve at least a 60 percent reduction in GHG emissions in MY 2030 compared to MY 2021. The standards should also be consistent with putting the U.S. on a pathway to 100% zero-emission sales by 2035.

On medium- and heavy-duty vehicles, we request that EPA strengthen criteria pollutant and GHG emission standards starting with MY 2027. All new urban delivery, school, and transit buses should be zero-emissions by 2035. Near-term EPA standards should provide pollution reductions consistent with the reductions that states are seeking through California's recent Heavy-Duty Omnibus and Advanced Clean Trucks rules.

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Uranium Rule

NRDC Staff Contact: Geoff Fettus (gfettus@nrdc.org)

The current regulatory regime for uranium recovery fails to protect public health and the environment. After a decade of work, EPA developed and proposed the first set of meaningful environmental protections for In Situ Leach (ISL) uranium recovery – the revisions for 40 C.F.R. § 192. At the close of the Obama Administration, EPA reproposed an updated set of revisions. In 2018, the Trump Administration withdrew the second draft uranium rule.

Actions requested: First, we request EPA work with the Nuclear Regulatory Commission's (NRC) Chairman Hanson to dissolve the *Memorandum of Understanding Concerning the Regulation of Uranium in situ Recovery Activities* (MOU), signed under the Trump Administration. Second, and most importantly, EPA should direct staff to recommence work and to finalize with all speed the long overdue ISL uranium rulemaking (*Health and Environmental Protection Standards for Uranium and Thorium Mill Tailings* (40 CFR Part 192)), abandoned by former President Trump's EPA in 2018. By taking these two steps EPA can start to hold a polluting industry accountable for its decades of harm to scarce sources of western groundwater and vulnerable tribal and environmental justice communities.

Risk Management Plan Rule

NRDC Staff Contact: Yukyan Lam (ylam@nrdc.org) and Sara Imperiale (simperiale@nrdc.org)

EPA has committed to undertaking a review of the Trump administration's weakening of the Risk Management Plan (RMP) Rule to better address the impacts of climate change on facility safety and to better protect communities, especially environmental justice communities, from chemical disasters. EPA's revised RMP rule should account for both the best available science and the lived reality of fenceline communities. This means ensuring that the rule accounts for the compounding dangers those communities face, including from chemical release, climate hazards, other sources of chemical exposures, and other factors that can increase the susceptibility of the fenceline population.

Actions requested: EPA should strengthen the RMP rule to include more robust hazard reduction and disaster prevention measures to prevent chemical catastrophes that endanger fenceline communities. Such needed improvements include requiring environmental justice analyses (including accounting for cumulative impacts) and addressing the compounding risks of climate-driven disasters.

Air Monitoring Network

NRDC Staff Contact: Yukyan Lam (ylam@nrdc.org) and Meleah Geertsma (mgeertsma@nrdc.org)

There is a longstanding and well-established need for additional air monitoring capacity, with a focus on fenceline communities. This monitoring is important for communities and to track exposures, but it is also foundational to working to address the cumulative impacts of multiple pollution sources on environmental justice communities.

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Actions requested: Increase air monitoring capacity, with focus on fenceline communities. This includes pursuing and spending ARPA funds, among sources of funding, to enhance type of monitoring in EJ communities (going from monitors that use multi-day collection periods to continuous monitors), pollutants monitored (increasing monitor of air toxics in particular), and number/location of monitors to adequately characterize local air quality and pollution contributors.

B. Office of Chemical Safety and Pollution Prevention

Comprehensive, equitable, class-based safeguards for priority chemicals (PFASs and OPs)

NRDC Staff Contacts: Miriam Rotkin-Ellman (mrotkinellman@nrdc.org) and Daniel Rosenberg (drosenberg@nrdc.org)

Organophosphates—EPA continues to authorize uses of organophosphate pesticides (OPs), the most toxic and problematic class of pesticides which pose a significant risk of neurodevelopmental harm to children, as well as harm to farmworkers and surrounding communities.

Actions requested: NRDC should: (1) adopt a full ban and zero tolerance for chlorpyrifos; (2) conduct proper risk analyses of all other OPs, including a full assessment of cumulative risks; and (3) cancel all pet uses of Tetrachlorvinphos (TCVP), currently used in flea collars and other pet care products.

PFAS— We understand EPA is currently preparing to release a "road map" for PFAS, and we are concerned that it will fail to contain the policies or schedules that are necessary to meaningfully fulfill the Administration's commitment to address the PFAS crisis.

Actions requested: EPA needs to act swiftly to address PFAS by regulating this chemical as a class and take specific measures including: (1) adopting a comprehensive and health-protective definition of PFAS, consistent with mainstream science and Congressional and state actions; (2) require PFAS manufacturers to provide the Agency with test methods and reference standards for all PFAS; and (3) cease approval of any new PFAS via the New Chemicals Program.

Protect people, pollinators, and ecosystems from pollinator-harmful pesticides

NRDC Staff Contacts: Dan Raichel (draichel@nrdc.org) and Lucas Rhoads (lrhoads@nrdc.org)

Restrict neonic use and regulate pesticide-treated seeds—Neonicotinoids or "neonics" are insecticides linked to the collapse of bee populations, mass losses of birds and fish, widespread soil and water pollution, birth defects in white-tailed deer, and risks to human health. EPA has thus far not reversed a longstanding regulatory loophole, which treats pesticide-treated crop seeds as "treated articles," exempting them from FIFRA registration and regulation requirements. These pesticide-coated seeds account for the largest single use of neonics nationwide.

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Actions Requested: Revoke the guidance determination that crop seeds treated with neonics are "treated articles" not requiring registration and regulation under FIFRA. EPA should also reverse course from a set of Trump-era proposed "registration review" decisions for neonics under FIFRA by dramatically reducing their allowable uses in EPA's final decisions for the chemicals (and/or in response to our petition to revoke neonicotinoid food tolerances as required by a full assessment of human health risks that complies with the Food Drug and Cosmetic Act and the Food Quality Protection Act).

Restrict use of glyphosate—The herbicide glyphosate (aka "Roundup") has decimated critical pollinator habitat nationwide, such as for the monarch butterfly, and is a suspected carcinogen. Trump-era FIFRA "registration review" decisions for these chemicals fail to protect pollinators, ecosystems, and people.

Actions Requested: Reverse a Trump-era final decision, and dramatically reduce the allowable uses of glyphosate through the "registration review" process for the chemical under FIFRA.

C. Office of Environmental Justice

Cumulative Impacts

NRDC Staff Contacts: Yukyan Lam (ylam@nrdc.org) and Meleah Geertsma (mgeertsma@nrdc.org)

Cumulative impacts is a methodology to better capture the combined synergistic effects of multiple environmental exposures that often occur within EJ communities. Applying a cumulative impact framework across EPA programs would identify underserved and overburdened communities that could be prioritized for agency resources.

Actions requested: Develop a plan and take concrete steps to ensure that throughout EPA the cumulative impacts of pollution are considered. The Agency should consult stakeholders, consider the best science, and continue to evolve the EJSCREEN tool and more importantly associated guidance so that it can be used as a tool for analyzing cumulative impacts.

D. Office of General Counsel

Title VI/civil rights

NRDC Staff Contact: Meleah Geertsma (mgeertsma@nrdc.org)

To make good on its environmental justice commitments, EPA should continue to rethink and improve its processes and use of Title VI of the Civil Rights Act as well as work diligently to support EJ communities. For example, recently EPA broke new ground when it worked to ensure that the City of Chicago undertakes an EJ Assessment of a proposed relocation of a metal shredding operation (General Iron) from a well-off Chicago community to an EJ community. In parallel, EPA is investigating Illinois EPA under Title VI in conjunction with the state agency's permitting of the General Iron facility. The agency is further supporting the community by

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coordinating with HUD in their parallel civil rights investigation of the City's land use and zoning policies.

Actions requested: Continue to engage in supporting the community in the General Iron matter, and work to ensure that this serves as a model for other city, state, and federal agencies. These wrap-around efforts to support EJ goals should reach far, such as reviews and reforms of funding programs like the State Revolving Funds for water infrastructure to determine whether funds are being equitably distributed in fact, and if not, what improvements are needed.

E. Office of Land and Emergency Management

Regulations to Implement Reinstatement and Expansion of Superfund to Oil and Gas

NRDC Staff contacts: Sujatha Bergen (sbergen@nrdc.org) and Susan Casey-Lefkowitz (sclefkowitz@nrdc.org)

The superfund tax was established by Congress to tax the polluting chemical, and oil and gas industries for cleanup of hazardous sites across the country. Oil and gas have been exempted from this tax for decades, and the polluter fee has expired. The current version of the House Ways and Means Reconciliation package contains a proposal to reinstate the Superfund polluter fund and tax oil and gas imports.

Action Requested: If the Superfund oil and gas exemption is lifted through the Build Back Better act, the Agency should work quickly to issue strong implementing regulations.

Establish meaningful requirements on coal ash disposal

NRDC Staff Contact: Becky Hammer (rhammer@nrdc.org)

EPA has been slow to undo several harmful Trump-era regulatory actions weakening safety standards for the disposal, storage, and reuse of toxic coal ash. OLEM staff are reportedly focused on reviewing coal ash facilities' applications for extensions to the regulatory deadline to stop adding waste to their pits and have not begun the critical and time-sensitive work of reversing the Trump rollbacks. EPA has also delayed acting on court decisions requiring the agency to strengthen certain provisions in the Obama-era 2015 coal ash rules. Swift action is needed to protect communities' air, groundwater, and surface waters from this dangerous waste.

Actions Requested: Commit to an expeditious timeline for (a) establishing rules for legacy coal ash impoundments, (b) establishing protective rules for waste piles and coal ash fill, (c) completing a strong federal permitting rule, (d) establishing new deadlines for closure of unlined impoundments, and (e) eliminating the alternate liner demonstration loophole.

Protect waterways and communities from spills of hazardous substances

NRDC Staff Contacts: Jared Knicley (jknicley@nrdc.org), Sara Imperiale (simperiale@nrdc.org), Jon Devine (jdevine@nrdc.org), and Erik Olson (eolson@nrdc.org)

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The Clean Water Act has for decades required EPA to develop a suite of regulatory protections aimed at preventing, responding to, and informing the public about, spills from facilities storing hazardous substances. Many of these facilities threaten frontline communities and further endanger people of color who already bear disproportionate environmental risks. Unfortunately, EPA long ignored these requirements, leaving communities unaware and at risk. After lawsuits, EPA agreed to propose both spill prevention, control, and countermeasure regulations for over 350 hazardous chemicals stored at tens of thousands of industrial facilities across the country and spill-prevention and response planning requirements for the most high-hazard facilities. With respect to spill prevention, control, and countermeasure rules, EPA reneged on its commitment and ignored the law to announce it was doing nothing. The agency is now developing proposed worst-case rules.

Actions Requested: Follow long-overdue mandates under the Clean Water Act regarding hazardous substances to: (1) issue spill prevention, control, and countermeasure regulations for over 350 hazardous chemicals stored at tens of thousands of industrial facilities across the country; and (2) issue protective rules regarding worst-case releases, in keeping with recommendations from NRDC and our partners in a meeting with EPA on Sept. 13, 2021.

F. Office of Water

Health-Protective Tap Water Standards for Priority Contaminants (Lead, PFAS, Perchlorate):

NRDC Staff Contact: Erik Olson (eolson@nrdc.org)

Actions requested: EPA should set health-protective drinking water standards for high priority contaminants, including overhauling and strengthening the weak Trump-era Lead and Copper Rule. The agency also determined in February 2021 it would establish standards for just 2 of the more than 9000 PFAS; the agency must set a standard for PFAS as a class as it has done for other classes such as PCBs, disinfection byproducts, and radionuclides. EPA also must reverse the Trump Administration's purported withdrawal of the Obama Administration's determination that a drinking water standard is required for the widespread contaminant perchlorate, and repropose and finalize a perchlorate standard.

State/Tribal Water Protections (Section 401 Rule)

NRDC Staff Contact: Jon Devine (jdevine@nrdc.org)

Section 401 of the Clean Water Act authorizes state or tribal water agencies to stop the project or impose conditions on it to ensure healthy water quality, aquatic habitat, or other important values. Numerous states rely on this authority to regulate activities that fill in wetlands and to impose requirements to mitigate their impacts. The Trump EPA issued a regulation that eviscerated this important authority both procedurally (by shortening the time that resource-strapped states and Tribes can act and limiting their ability to obtain needed information) and substantively (by preventing states and Tribes from examining the full impacts of a project and effectively eliminating states' and Tribes' rights under the Act to condition permits on

compliance with "other appropriate requirements of state law," like minimum instream flows to protect salmon and other native fish and wildlife below hydropower dams).

Actions requested: Promptly propose withdrawal of rule.

Protecting Headwaters and Wetlands

NRDC Staff Contact: Jon Devine (jdevine@nrdc.org)

The Trump administration adopted an unlawful and environmentally reckless regulation declaring that huge swaths of water bodies don't deserve protection under the Clean Water Act. The so-called "Navigable Waters Protection Rule" excluded countless waters from the Clean Water Act's suite of protective programs, making them more vulnerable to oil spills, contamination with sewage sludge, and outright burial and destruction. This rule discarded protection for more than half of the country's wetlands (to the tune of tens of millions of acres) and millions of miles of streams that flow in response to rain.

Action Requested: The Agency should commit to move more quickly on a regulatory definition of "waters of the US" – to set a schedule for developing and proposing a replacement rule based in science and the law and commit to follow recent federal court decisions brought by several Tribes that struck down the Trump rule. EPA can enhance the likelihood of achieving a durable rule by publicly communicating about the multiple benefits these water bodies provide (including flood control, drinking water supply, carbon sequestration, biodiversity, etc.). While developing its replacement rule, EPA should also re-examine determinations the Army Corps made under the Trump rule, especially those involving significant resources and where there is an opportunity to reconsider before actions are taken that harm those resources.

Issue Toxic Pollutant Discharge Standards for Power Plants

NRDC Staff Contact: Jon Devine (jdevine@nrdc.org)

Power plants, especially those burning coal that leaves behind a toxic mess of pollution, are the biggest category of toxic water polluters, responsible for 30 percent of all toxic pollution from industrial sources discharged into the nation's waters. Following a 2015 Obama-era regulation that set the first-ever discharge standards for a slate of toxic pollutants, the Trump EPA first delayed, then weakened, the standards for two major waste streams at power plants: scrubber sludge (which is created when air pollution controls remove pollutants from their smokestack emissions) and bottom ash transport water (which is used to move combustion byproducts out of the plant's furnace). By undermining these standards, the Trump administration's rule would expose millions of people to a toxic brew of mercury, arsenic, lead, and selenium—pollutants that can cause neurological disorders and cardiovascular disease and increase the risk of cancer.

Actions Requested: Commit to an expeditious timeline for revising the effluent limitation guideline for steam electric power plants' scrubber sludge and bottom ash transport water waste streams based on the best available controls. Also, commit to consulting as required under the Endangered Species Act.

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Equity in Water Infrastructure Funding Programs

NRDC Staff Contact: Becky Hammer (rhammer@nrdc.org)

EPA acknowledges in its latest strategic plan that low-income, BIPOC, Tribal, smaller, and rural communities are disproportionately impacted by water and sanitation challenges and face hurdles in accessing water infrastructure funding. A recent analysis by EPIC found that white communities are statistically more likely than communities of color to receive financial assistance from the Drinking Water State Revolving Fund. EPA should take more assertive action to ensure equitable outcomes within all water infrastructure funding programs.

Actions Requested: Develop new rules and/or guidance to improve equity within the State Revolving Fund programs. Prioritize any influx in new funding (e.g., following the passage of pending infrastructure legislation) toward disadvantaged, EJ, and BIPOC communities. Provide more technical assistance to communities that have faced difficulties accessing funding. Track the demographics of communities that receive federal water infrastructure funding.

Pebble Mine

NRDC Staff Contact: Taryn Kiekow Heimer (tkiekowheimer@nrdc.org) and Joel Reynolds (jreynolds@nrdc.org)

The 40,000 square mile Bristol Bay Watershed is the source of the world's largest wild salmon fishery and home to tribal communities and a natural ecosystem that the fishery has sustained for millennia. In 2014, the Obama Administration's EPA proposed protections under Clean Water Act Section 404(c) against risks posed by the Pebble Mine and other large-scale mining, but the Trump Administration derailed the process before those protections were finalized. Following up on President Biden's campaign promise, EPA has now committed to re-instating its 404(c) process to ensure lasting protection of this national treasure.

Actions requested: Issue a final determination under Section 404(c) of the Clean Water Act to permanently protect Bristol Bay, Alaska from large-scale mining like the Pebble Mine.

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III. Index – Staff Contacts

Office	Issue	NRDC staff	Email
Office of the Administrator	Justice40 Initiative	Valerie Barron Khalil Shahyd	vbarron@nrdc.org kshahyd@nrdc.org
Office of Air and Radiation	Multi-Pollutant Power Plant Standards	Lissa Lynch	llynch@nrdc.org
	Vehicle Standards	Luke Tonachel Heather Kryczka	ltonachel@nrdc.org hkryczka@nrdc.org
	Uranium Rule	Geoff Fettus	gfettus@nrdc.org
	Risk Management Plan Rule	Yukyan Lam Sara Imperiale	ylam@nrdc.org simperiale@nrdc.org
	Air Monitoring Network	Yukyan Lam Meleah Geertsma	ylam@nrdc.org mgeertsma@nrdc.org
Office of Chemical Safety and Pollution Prevention	PFASs and Organophosphates	Miriam Rotkin-Ellman Daniel Rosenberg	mrotkinellman@nrdc.org drosenberg@nrdc.org
	Neonicotinoids and Glyphosate	Dan Raichel Lucas Rhoads	draichel@nrdc.org lrhoads@nrdc.org
Office of Environmental Justice	Cumulative Impacts	Yukyan Lam Meleah Geertsma	ylam@nrdc.org mgeertsma@nrdc.org
Office of General Counsel	Title IV/Civil Rights	Meleah Geertsma	mgeertsma@nrdc.org
Office of Land and Emergency Management	Expansion of Superfund to Oil and Gas	Sujatha Bergen Susan Casey-Lefkowitz	sbergen@nrdc.org sclefkowitz@nrdc.org
	Coal Ash Disposal	Becky Hammer	bhammer@nrdc.org
	Spills from facilities storing hazardous substances	Jared Knicley Sara Imperiale Jon Devine Erik Olson	jknicley@nrdc.org simperiale@nrdc.org jdevine@nrdc.org eolson@nrdc.org

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Office of Water

Lead and Copper Rule	Erik Olson	eolson@nrdc.org
State/Tribal Water Protections (§401 Rule)	Jon Devine	jdevine@nrdc.org
Navigable Waters Protection Rule	Jon Devine	jdevine@nrdc.org
Pollutant Discharge Standards for Power Plants	Jon Devine	jdevine@nrdc.org
Equity in Water Infrastructure Funding	Becky Hammer	rhammer@nrdc.org
Pebble Mine	Taryn Kiekow Heimer Joel Reynolds	tkiekowheimer@nrdc.org jreynolds@nrdc.org

Message

From: Aminat Adebiyi [Aminat.Adebiyi@ibm.com]
Sent: 5/18/2021 4:13:13 PM
To: Regan, Michael [Regan.Michael@epa.gov]
CC: Stacey M Gifford [smgifford@us.ibm.com]
Subject: Invitation as a Tech for Justice seminar speaker

Dear Michael,

I hope this message finds you well.

My colleague, Stacey Gifford, and I are Research Scientists at IBM Research, and are part of a new initiative on Tech for Racial and Social Justice. This initiative focuses on core research and tech design in areas such as Environmental Justice, Criminal Justice, Economic Development and Healthcare. In addition to our research, we have an ongoing speaker series where we invite leading experts on topics related to our focus themes to share their perspectives, a call to action and/or collaboration needs. We are also working with a number of external social justice organizations to develop solutions they can use to drive positive impact for Black and other historically marginalized and vulnerable communities.

We are very impressed by your efforts in Environmental Justice, particularly with your track record for addressing environmental racism and supporting policy to address climate change, and would love to invite you as a speaker in our series. We hope that you could share your perspective to generally inform and/or spur the interest of my colleagues in contributing to research efforts in this space.

Let us know if you are open to being a seminar speaker and we can share more details on the format (traditional presentation or fireside chat) and work with you to identify a time that fits your schedule.

We hope that you will accept our invitation!

Best regards,
Aminat

Aminat Adebiyi, Ph.D (she/they)
Research Staff Member | Responsible & Inclusive Tech
1 408 927 1579 Phone
aminat.adebiyi@ibm.com

IBM Research

Message

From: Melody Hunter-Pillion [mhunter@ncsu.edu]
Sent: 9/2/2021 5:20:29 PM
To: Regan, Michael [Regan.Michael@epa.gov]
CC: Stephanie Kelly [smcoble@ncsu.edu]; Lauren Pharr [lpharr@ncsu.edu]; Alex Nelson [apnelson@ncsu.edu]; Courtney Hotchkiss [chotchk@ncsu.edu]
Subject: Global Change Fellows/NCSU Speaker Invitation

Hello Administrator Regan,

Greetings from North Carolina! We are so proud of you. My name is Melody Hunter-Pillion, and I interviewed you for an OSHR article a few years ago when we both served the people of North Carolina with Governor Cooper's administration. Your photo in front of the large globe on Jones Street is still one of my favorite covers for the state employees' magazine.

I am contacting you on behalf of the Global Change Fellows of the Southeast Climate Adaptation Science Center (SECASC), which is celebrating its 10-year anniversary. We congratulate you on your historic appointment to lead EPA at such a critical time for our nation and the world. We are encouraged by your team's work, including today's EPA release of the *Climate Change and Social Vulnerability in the United States: A Focus on Six Impact Sectors* analysis. Closer to home, you have been a mentor to Global Change Fellow alumna, Tira Beckham. **We would like to request your participation as a keynote speaker in our student led SECASC Global Change Seminar in November (or this spring if your schedule does not allow). The November seminar is virtual and one hour in length. The exact date would be contingent on your availability. If your schedule allows, and you would be willing to join our panel, are there any dates in the first two weeks of November that work for you?** We are aiming for a late afternoon or early evening start time, but we will accommodate the schedule of your choice.

The seminar is entitled "Importance of Minorities in Climate Change Conversations" and is envisioned as a structured panel discussion with prompts and questions provided by the fellows and audience members. The broad goal of the seminar is to explore the need for diverse researchers in academia, diverse voices in the field, and diverse communities providing input. Like you, we value science, and we value community. Your leadership, experience, and expertise would provide an engaging and inspiring perspective, as our headliner on this topic. We think you will enjoy the conversation with the three other panelists we plan to invite:

- **19-year-old youth activist Kaylah Brathwaite** – Will discuss the need for young people to be aware of climate change impact on marginalized communities and to act
- **Ph.D. Student and Teaching Assistant Murry Burgess** – NCSU Department of Forestry and Environmental Resources in the College of Natural Resources. Her research focuses on urban ecology and ornithology, specifically the effects of artificial light at night on barn swallow chick health and development. She will speak about her experience as a Black scientist in the field of natural resources, and aspects of field safety
- **Ph.D. Student and Teaching Assistant Anaí Novoa** - Scripps Institution of Oceanography, Marine Biosciences Department. Will speak about her experience as a Latina scientist in the field of biology, her outreach work with minority children in STEM, and can discuss the overall impact of climate change on marginalized communities

If you are available and willing to participate in our seminar, we ask that you please respond by Friday, September 10, with your preferred date in November or availability this spring. I am happy to discuss further and provide more details at your convenience. Thank you for considering this request.

Sincerely,

Melody Hunter-Pillion, Global Change Fellow/Ph.D. Student in Public History
mhunter@ncsu.edu
919-802-5365

cc:

Courtney Hotchkiss, Global Change Fellow

Stephanie Kelly, Global Change Fellow

Alexandria Nelson, Global Change Fellow

Lauren Pharr, Global Change Fellow

About SE SECAS / Global Change Fellows Program:

The Southeast Climate Adaptation Science Center is part of a network of eight Climate Adaptation Science Centers managed by the U.S. Geological Survey National Climate Adaptation Science Center. We work with natural and cultural resource managers to gather scientific information and build the tools needed to help people, fish, wildlife, and ecosystems adapt to the impacts of changing climate and land use.

The Global Change Graduate Fellows Program is sponsored by the SECASC, USGS and NC State University. It is designed to train the next generation of global change scientists by providing financial, scientific, and professional development support for graduate students who are interested in multi-disciplinary research.

--
Melody Hunter-Pillion
Ph.D. Student, Public History
Department of History
SE CASC Global Change Fellow
North Carolina State University
mhunter@ncsu.edu

Message

From: Floyd, Kristin [kristin.floyd@yale.edu]
Sent: 9/15/2021 10:58:43 PM
To: Utech, Dan [Utech.Dan@epa.gov]
CC: Peragine, Hannah [hannah.peragine@yale.edu]
Subject: RE: YSE Reunion Weekend - short speech by Administrator Regan?

Thanks, Dan – yes, very happy to keep in touch about possible future opportunities! We would love to host the Administrator and you whenever convenient for his schedule.

Best,
Kristin

Kristin Floyd
Associate Dean, Development and Alumni Services
Office: 203-432-5189
Cell: 203-710-1236
195 Prospect Street
New Haven, CT 06511

Yale School of the Environment
environment.yale.edu

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From: Utech, Dan [mailto:Utech.Dan@epa.gov]
Sent: Wednesday, September 15, 2021 4:51 PM
To: Floyd, Kristin <kristin.floyd@yale.edu>
Cc: Peragine, Hannah <hannah.peragine@yale.edu>
Subject: RE: YSE Reunion Weekend - short speech by Administrator Regan?

Hi Kristin – I have been waiting to see where certain travel plans and other things fall out. Things having fallen into place, I don't think this is going to work with the Administrator's schedule. But I definitely would like to find an opportunity for the Administrator to do something at YSE. So let's stay in touch. Best, Dan

From: Floyd, Kristin <kristin.floyd@yale.edu>
Sent: Tuesday, September 14, 2021 11:23 AM
To: Utech, Dan <Utech.Dan@epa.gov>
Cc: Peragine, Hannah <hannah.peragine@yale.edu>
Subject: RE: YSE Reunion Weekend - short speech by Administrator Regan?

Hello Dan,

We are promoting the YSE Reunion and would love to mention Administrator Regan's remarks if it looks like his participation will indeed be possible. Might you have any updates to share?

Many thanks again,
Kristin

Kristin Floyd
Associate Dean, Development and Alumni Services
Office: 203-432-5189
Cell: 203-710-1236

195 Prospect Street
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From: Floyd, Kristin
Sent: Wednesday, August 25, 2021 10:34 AM
To: Utech, Dan <Utech.Dan@epa.gov>
Subject: RE: YSE Reunion Weekend - short speech by Administrator Regan?

Wonderful, thank you! I fully appreciate the demands on your (and his) time. If you do decide to do this, please rest assured that we will be as helpful as possible in providing background information on our alumni community, etc. Fingers crossed!

Kristin

From: Utech, Dan [mailto:Utech.Dan@epa.gov]
Sent: Wednesday, August 25, 2021 10:24 AM
To: Floyd, Kristin <kristin.floyd@yale.edu>
Subject: RE: YSE Reunion Weekend - short speech by Administrator Regan?

Thanks for following up – I missed the original email entirely. I think this will be tough given everything we have going on but I understand the potential value of the message to the YSE community and will see if we can accommodate.

From: Floyd, Kristin <kristin.floyd@yale.edu>
Sent: Wednesday, August 25, 2021 10:18 AM
To: Utech, Dan <Utech.Dan@epa.gov>
Subject: YSE Reunion Weekend - short speech by Administrator Regan?

Hi Dan,

I wanted to follow up on Dean Burke's message, below, that she sent to the email we had for you in the alumni database; thought I'd try this address too, in case the other is inactive.

Many thanks,
Kristin

Kristin Floyd
Associate Dean, Development and Alumni Services
Office: 203-432-5189
Cell: 203-710-1236
195 Prospect Street
New Haven, CT 06511

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environment.yale.edu

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From: Burke, Indy
Sent: Tuesday, August 17, 2021 1:43 PM

Cc: Floyd, Kristin <kristin.floyd@yale.edu>
Subject: YSE Reunion Weekend - short speech by Administrator Regan?

Dear Dan,

I hope you are well and enjoying your new gig! I am so happy about you, Maggie Thomas, and the many other YSE alumni in positions of real influence in this administration. Kudos!

I write today to ask a favor. We are hosting our annual Alumni Reunion October 7 -11th, and unfortunately, as you might imagine, it must be virtual again this year. We are holding a Reunion Kickoff event on October 7th at 6:30 pm EST (via Zoom) and were wondering whether we might be able to invite Administrator Regan to join us to welcome our alumni community to Reunion and provide some inspiration. We would love to have him make some brief remarks on his perspective on the current challenges we face, the importance of visionary leadership as we navigate these challenges at all levels, and (if he chooses) the need to foster diverse representation in the environmental field.

We, of course, understand how busy the Administrator must be, so the request would be for 15 or so minutes of his time. I should add that if he preferred to pre-record a message at his convenience rather than deliver it live, that would be fine as well. Do you think this is a request he would entertain? I've copied the Associate Dean of Development and Alumni Services, Kristin Floyd, who can answer any questions you may have.

Thanks for considering this request, and keep up the great work!

Indy

Dr. Indy Burke
Carl W. Knobloch, Jr. Dean
T 203-432-5109
F 203-432-3052
indy.burke@yale.edu

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www.indyburke.org

Message

From: Wong, Jackie [Jackie.Wong@nrdc.org]
Sent: 7/19/2021 2:18:14 PM
To: Utech, Dan [Utech.Dan@epa.gov]
Subject: RE: Administrator Regan's Scheduler?

Thank you!

From: Utech, Dan <Utech.Dan@epa.gov>
Sent: Monday, July 19, 2021 10:06 AM
To: Wong, Jackie <Jackie.Wong@nrdc.org>
Cc: scheduling <scheduling@epa.gov>; Enobakhare, Rosemary <Enobakhare.Rosemary@epa.gov>
Subject: RE: Administrator Regan's Scheduler?

Hi Jackie – copying the scheduling team and Rosemary Enobakhare, our AA for Public Engagement

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From: Wong, Jackie <Jackie.Wong@nrdc.org>
Sent: Monday, July 19, 2021 10:00 AM
To: Utech, Dan <Utech.Dan@epa.gov>
Subject: Administrator Regan's Scheduler?

Good morning Dan,

Sorry to bother you but our President (Mitch Bernard) is interested in scheduling time with Administrator Regan to discuss various topics (including power plant standards, vehicle standards, the Lead and Copper Rule, and Navigable Waters Protection Rule). Would you mind giving me the contact info for his scheduler so we can put in the meeting request?

Thanks!
Jackie