



To: Shouse, Kate[Shouse.Kate@epa.gov]

Bcc: alex.marten; Personal cell/email

From: Marten, Alex

Sent: Fri 3/13/2015 7:20:17 PM

Subject: RE: IWG question

Ex 5

--

Alex L. Marten

phone: (202) 566-2301

email: marten.alex@epa.gov

From: Marten, Alex

Sent: Friday, March 13, 2015 3:19 PM

To: Shouse, Kate

Subject: IWG question

Ex 5



203

/ 409



100%



To: Evans, DavidA[Evans.DavidA@epa.gov]

Bcc: alex.marten; Personal cell/email

From: Marten, Alex

Sent: Mon 4/27/2015 7:59:24 PM

Subject: RE: I noticed this in chapter 5

Ex 5

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Alex L. Marten

phone: (202) 566-2301

email: marten.alex@epa.gov

From: Evans, DavidA

Sent: Monday, April 27, 2015 3:21 PM

To: Marten, Alex

Subject: I noticed this in chapter 5

EPA-HQ-2015-011157 Interim 2

To: Shouse, Kate[Shouse.Kate@epa.gov]
Cc: Fawcett, Allen[Fawcett.Allen@epa.gov]; Li, Jia[Li.Jia@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]
Bcc: alex.marten[Personal cell/email]
From: Marten, Alex
Sent: Thur 2/5/2015 11:22:19 PM
Subject: RE: comments on RtC

Thanks again for the great edits/suggestions.

In the version I just sent to Jim I incorporated all* of your comments/edits though they will be attached to my name just because I did them by hand.

In places where you suggested a change might be warranted but didn't provide a redline (I agreed in all cases) I did my best to provide an edit, hopefully ones that adequately addressed the concerns.

Ex 5

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Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

From: Shouse, Kate
Sent: Thursday, February 05, 2015 4:24 PM
To: Marten, Alex
Cc: Fawcett, Allen; Li, Jia; Gunning, Paul



From: Goffman, Joseph
Sent: Tuesday, September 17, 2013 1:27 PM
To: Ashley, Jackie; Beauvais, Joel
Cc: Lubetsky, Jonathan; Terry, Sara; Culligan, Kevin
Subject: RE: DRAFT -- Hard CCS Qs

These are truly excellent; I'm tempted to sleep with a copy under my pillow every night for the rest of the week at least. It would be helpful, (b) (5)

Great job.

Thanks.

From: Ashley, Jackie
Sent: Tuesday, September 17, 2013 11:28 AM
To: Beauvais, Joel; Goffman, Joseph
Cc: Lubetsky, Jonathan; Terry, Sara; Culligan, Kevin
Subject: DRAFT -- Hard CCS Qs

Joe and Joel –

Attached are Hard Qs about CCS for the Administrator's hearing prep. If you need anything more, please let Sara and me know and one of us will help track it down.

-Jackie

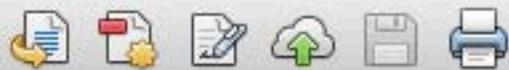
From: Lubetsky, Jonathan
Sent: Monday, September 16, 2013 10:15 AM
To: Krieger, Jackie; Friedman, Kristina; Ashley, Jackie; Terry, Sara
Subject: Hard Q&A for Administrator

The administrator has requested two sets of hard Q&A's for the hearing.

- (1) Hard Q&A on international climate (e.g. US action isn't going to matter etc.)
- (2) Hard Q&A on CCS

I am including Q&A from LPJ on US action alone. And Other relevant Q&A from her nomination QFRs. Please let me know how I can help coordinate.

(b) (5)



Climate Change Division
phone: (202) 343-9260
fax: (202) 343-2202

From: Lisa Heinzerling/DC/USEPA/US
To: Anhar Karimjee/DC/USEPA/US@EPA
Date: 04/17/2009 03:13 PM
Subject:

Anhar, Are you the right person to ask about the technical conclusions in the attached? If not, do you know who might be? Thanks a lot -- Lisa

<http://climateintel.com/2009/04/09/part-v-%E2%80%94-implications-of-regulating-co2-as-an-nsr-pollutant/>



To: "Richard Windsor" [Windsor.Richard@epamail.epa.gov]
Cc: "David McIntosh" [McIntosh.David@epamail.epa.gov]
From: CN=Lisa Heinzerling/OU=DC/O=USEPA/C=US
Sent: Wed 4/22/2009 11:43:01 AM
Subject: Fw: comments on CCS article

Below is a preliminary assessment from technical staff of the article on CCS you sent to David and me last week.

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

From: Anhar Karimjee
Sent: 04/21/2009 10:16 AM EDT
To: Lisa Heinzerling
Subject: comments on CCS article

Preliminary thoughts on the key conclusions in the article:

Deliberative

Enjoy the snow, -Brian

Brian Heninger

Economist / OP Quality Assurance Manager

U.S. Environmental Protection Agency

Office of the Administrator, Office of Policy (OP)

National Center for Environmental Economics

202-566-2270

From: Matthew Ranson [mailto:Matthew_Ranson@abtassoc.com]

Sent: Monday, February 09, 2015 11:12 AM

To: Heninger, Brian

Subject: SCC: Working draft of extreme weather report

Hi Brian,

I'm attaching our current working draft of the extreme weather report. Relative to the draft I

Ex 5

Ex 5

There is a lot of material here, and we're making good progress, but it's still very much a messy half-written document. So, while we would certainly welcome your comments and suggestions, it would probably be most productive for you to focus your review on high-level items.

Our office is closed today due to heavy snow. I'm assuming that we're planning to talk tomorrow at 10, but if we have a snow delay tomorrow, I'll email you by 9am so we can

From: McGartland, Al
Sent: Sunday, February 08, 2015 9:11 AM
To: Newbold, Steve
Cc: Marten, Alex; Griffiths, Charles; Wolverton, Ann
Subject: Re: anyone want to speak on SCC April 23 in Minnesota?

Great. I'm going to speak to the guy on Monday. I'm on the agenda at some other workshops and feeling a little overexposed.

Ex 5

Sent from my iPhone

On Feb 8, 2015, at 7:27 AM, Newbold, Steve <Newbold.Steve@epa.gov> wrote:

Barring any pre-existing family commitments I would be happy to do this if no one else is eager to go. I will be giving a presentation on the SCC in New Haven at the end of this month, so I will have already prepared remarks on this topic. But I'm also happy to hand off my slides if someone else would like a turn.

Steve Newbold
U.S. EPA

ED_442-001384916

National Center for Environmental Economics (NCEE)
EPA West, 4316T, MC 1809T
1200 Pennsylvania Ave NW
Washington, DC 20004
(202) 566-2293

From: McGartland, Al
Sent: Friday, February 06, 2015 5:11 PM
To: Newbold, Steve; Marten, Alex; Griffiths, Charles; Wolverton, Ann
Subject: anyone want to speak on SCC April 23 in Minnesota?

I think the talk is to at a law conference. I will know more early next week.

To: Newbold, Steve[Newbold.Steve@epa.gov]
Cc: Marten, Alex[Marten.Alex@epa.gov]; Griffiths, Charles[Griffiths.Charles@epa.gov]; Wolverton, Ann[Wolverton.Ann@epa.gov]
From: McGartland, Al
Sent: Sun 2/8/2015 2:11:33 PM
Subject: Re: anyone want to speak on SCC April 23 in Minnesota?

Non-Responsive

Ex 5

Sent from my iPhone

On Feb 8, 2015, at 7:27 AM, Newbold, Steve <Newbold.Steve@epa.gov> wrote:

Barring any pre-existing family commitments I would be happy to do this if no one else is eager to go. I will be giving a presentation on the SCC in New Haven at the end of this month, so I will have already prepared remarks on this topic. But I'm also happy to hand off my slides if someone else would like a turn.

Steve Newbold
U.S. EPA
National Center for Environmental Economics (NCEE)
EPA West, 4316T, MC 1809T
1200 Pennsylvania Ave NW
Washington, DC 20004
(202) 566-2293

From: McGartland, Al
Sent: Friday, February 06, 2015 5:11 PM
To: Newbold, Steve; Marten, Alex; Griffiths, Charles; Wolverton, Ann
Subject: anyone want to speak on SCC April 23 in Minnesota?

I think the talk is to at a law conference. I will know more early next week.

To: Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
Cc: Evans, DavidA[Evans.DavidA@epa.gov]; Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Shouse, Kate
Sent: Mon 6/1/2015 1:27:43 PM
Subject: RE: 111(d) RIA Ch 8: uncertainty and SCC

Thanks, Alex for the edits, and Elizabeth for the review. I think these look good and will add them to the Sharepoint version. Will also add a reference to Ch 4.

From: Kopits, Elizabeth
Sent: Monday, June 01, 2015 9:02 AM
To: Shouse, Kate; Marten, Alex
Cc: Evans, DavidA; Macpherson, Alex
Subject: RE: 111(d) RIA Ch 8: uncertainty and SCC

I think this is fine. My only recommendation is to also somewhere in this passage point the reader to Ch.4 for more discussion.

From: Shouse, Kate
Sent: Friday, May 29, 2015 1:29 PM
To: Marten, Alex; Kopits, Elizabeth
Cc: Evans, DavidA; Macpherson, Alex
Subject: 111(d) RIA Ch 8: uncertainty and SCC

Hi, everyone. Not sure when OP will have a chance to review the 111(d) RIA so wanted to flag a brief section that should be easy to review and does not hinge on any model runs. RIA Ch 8 includes several sections discussing uncertainty about analytical components, including the SCC. I don't recall why we included it in Ch 8 (Ch 4 already covers SCC) but we tried to minimize duplication.

In looking at the Ch 8 SCC and uncertainty discussion, I thought we might add a reference to the OMB RTC, which has a section on uncertainty. Please see the attached excerpt from 111(d) RIA

Non-Responsive

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Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

On Jun 24, 2015, at 5:19 PM, Bryson, Joe <Bryson.Joe@epa.gov> wrote:

Non-Responsive

This study is being pushed in a major way for broad implications for EE generally that are over the top. U of Chicago press release title (below) for example.

To be continued.

From: Vicki Ekstrom High <vekstrom@uchicago.edu>
Subject: Media Release: Study Finds Costs of Residential Energy Efficiency Investments are Double the Benefits
Date: June 23, 2015 3:07:32 PM CDT

To: <gregory.k.busch@gmail.com>
Reply-To: Vicki Ekstrom High <vekstrom@uchicago.edu>

FOR IMMEDIATE RELEASE

June 23, 2015

Contact: Vicki Ekstrom High
Energy Policy Institute at Chicago
vekstrom@uchicago.edu

Study Finds Costs of Residential Energy Efficiency Investments are Double the Benefits
New evidence supports the need for additional policy solutions to confront climate change while more field evidence is gathered to identify the most beneficial energy efficiency investments.

Chicago, Ill. - Energy efficiency investments are widely popular because they are believed to deliver a double win: saving consumers money by reducing the amount of energy they use, while cutting climate-forcing greenhouse gas emissions and other pollutants harmful to human health. But a new study by a team of economists finds residential energy efficiency investments may not deliver on all that they promise. Through a randomized controlled trial of more than 30,000 households in Michigan - where one-quarter of the households were encouraged to make residential energy efficiency investments and received assistance - the economists find that the costs to deploy the efficiency upgrades were about double the energy savings.

"Energy efficiency investments hold great potential as a means to fight climate change.

However, we found that, at least in the case of residential energy efficiency investments, the projected savings overestimate the reality on the ground," says Michael Greenstone, the Milton Friedman professor of economics and director of the Energy Policy Institute at the University of Chicago (EPIC). "A problem as urgent as climate change must be addressed using policies that deliver the greatest bang for their buck. As policymakers design climate policies, these findings suggest that a market-based approach that puts a price on carbon would likely be more effective. In the meantime, it is critical that we field test energy efficiency programs to determine which investments offer the greatest potential."

The study - a part of The E2e Project and led by Greenstone, as well as Meredith Fowlie and Catherine Wolfram of UC Berkeley - assessed the nation's largest residential energy efficiency program, the Federal Weatherization Assistance Program (WAP). Participating low-income households were provided with about \$5,000 worth of weatherization upgrades (e.g. furnace replacement, attic and wall insulation, and weather stripping) per home at zero out-of-pocket costs. While the researchers found that the upgrades did reduce the households' energy consumption by about 10 to 20 percent each month that only translated into \$2,400 in savings over the lifetime of the upgrades - half of what was originally spent to make the upgrades, and less than half of projected energy savings.

. Read a summary of the study.

To receive updates on energy efficiency research from The E2e Project, [click here](#).

About the Energy Policy Institute at Chicago (EPIC)

Energy powers our modern world, fueling innovation and improving living standards across the globe. But delivering access to reliable and affordable energy, while limiting its social, environmental and climate impacts, is one of society's greatest and most complex challenges. The Energy Policy Institute at the University of Chicago (EPIC) is contributing solutions using a unique, interdisciplinary approach that translates cutting-edge research into real-world impacts through strategic outreach, and training for the next generation of global energy leaders. EPIC collaborates with the Center for Energy and Environmental Policy Research at MIT and the Energy Institute at UC Berkeley's Haas School of Business, through The E2e Project, on research that aims to uncover the causes and consequences of energy efficiency investments. <http://epic.uchicago.edu>

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Energy Policy Institute at Chicago
5757 S. University Avenue
Chicago, IL 60637

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

From: Marten, Alex
Sent: Wednesday, June 24, 2015 2:23 PM
To: Bryson, Joe
Cc: Evans, DavidA
Subject: RE: Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program | Becker-Friedman Institute Research Respository

Certainly, I would be interested to hear what you think. We are likely to hear more about

Non-Responsive

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Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

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

From: Bryson, Joe
Sent: Wednesday, June 24, 2015 11:34 AM
To: Marten, Alex
Cc: Evans, DavidA
Subject: RE: Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program | Becker-Friedman Institute Research Respository

If you want to discuss this paper further, at some point, let us know. We're taking a look.

Non-Responsive

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

From: Marten, Alex
Sent: Wednesday, June 24, 2015 11:26 AM
To: Bryson, Joe
Cc: Evans, DavidA
Subject: RE: Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program | Becker-Friedman Institute Research Respository

It's an interesting paper, certainly has important implications for using EE programs to deal with distributional/equity issues.

Fair point. Next time I talk to Meredith or Michael I will admonish the misuse of the English language :)

--

Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

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

From: Bryson, Joe
Sent: Wednesday, June 24, 2015 8:25 AM
To: Marten, Alex; Evans, DavidA

Subject: FW: Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program | Becker-Friedman Institute Research Respository

Suspect you've see reference to this paper that's making the news.

BTW - These economists use "energy savings" all throughout this paper.

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

From: Joseph Bryson **Personal cell/email**
Sent: Wednesday, June 24, 2015 3:00 AM
To: Joe Bryson; Bryson, Joe
Subject: Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program | Becker-Friedman Institute Research Respository

<http://econresearch.uchicago.edu/content/do-energy-efficiency-investments-deliver-evidence-weatherization-assistance-program>

Sent from my iPad



To: Marten, Alex[Marten.Alex@epa.gov]
Cc: Evans, DavidA[Evans.DavidA@epa.gov]
From: Bryson, Joe
Sent: Thur 6/25/2015 12:51:38 PM
Subject: RE: Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program | Becker-Friedman Institute Research Respository

From: Marten, Alex
Sent: Thursday, June 25, 2015 5:09 AM
To: Bryson, Joe
Cc: Evans, DavidA
Subject: Re: Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program | Becker-Friedman Institute Research Respository

Thanks Joe.

Non-Responsive

Non-Responsive

Non-Responsive

Hi, Steve. We've responded to your comments on SCC in the 111(b) RIA (Section 3.2). Will you be able to review and let us know if you agree by 4 pm today? OAQPS is working to send the RIA to OMB today.

There's also a question for you on pg 3-1 in the intro paragraph.

Thanks,
Kate

From: Silverman, Steven
Sent: Monday, July 13, 2015 9:02 AM
To: Shouse, Kate
Subject: FW: 111 b RIA

I put in some cmmts on SCC section as well

From: Silverman, Steven
Sent: Sunday, July 12, 2015 4:21 PM
To: CurryBrown, Amanda; Evans, DavidA; Elman, Barry; Roberts, Martha; Hutson, Nick; Fellner, Christian
Cc: Marks, Matthew; Hoffman, Howard
Subject: 111 b RIA

I have been thru RIA and put cmmts into the sharepoint version (should show up in bold). Nick, please check text at n 44 and p 4-22 to update to reflect latest NETL.

Please check table 4-5, which looks funky (and doesn't appear to use \$ KWh for LCOE)

Matthew Ranson, Ph.D | Associate | Abt Associates

Environment and Natural Resources Division

55 Wheeler Street | Cambridge, MA 02138

O: 617.520.2484 | F: 617.386.7568 | www.abtassociates.com/environment

From: Matthew Ranson

Sent: Wednesday, April 29, 2015 10:33 AM

To: Brian Heninger <Heninger.Brian@epa.gov>

Cc: Griffiths, Charles (Griffiths.Charles@epa.gov); Alex Marten (Marten.Alex@epa.gov)

Subject: SCC update

Hi Brian,

Ex 5

since we've talked, so I just wanted to send you a quick status update as well.

I'm planning to send you a complete, clean draft of the SCC report by Monday morning. It has come a long way since the last version, in terms of coverage of analytical and empirical topics in the literature. It has also gotten quite long--I think it's about 90 pages right now. However, we've tried hard to smooth out the writing, and have moved a lot of material into appendices.

Overall, I think it's turned into a pretty good report. I think a useful next step would be for you and the SCC team to review the document carefully, and let us know what further comments and suggestions you have. Since we are getting towards the end of this work assignment--I'm

Ex 5

Thanks,



To: CN=Lisa Heinzerling/OU=DC/O=USEPA/C=US@EPA[]
From: CN=Richard Windsor/OU=DC/O=USEPA/C=US
Sent: Thur 7/2/2009 12:23:54 AM
Subject: Re: social cost of carbon update

Tx. I need you to walk me through this in more detail tomorrow but I think I get it.

Deliberative

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

From: Lisa Heinzerling
Sent: 07/01/2009 08:19 PM EDT
To: Richard Windsor
Subject: social cost of carbon update

After a deputies-level meeting on an interim value for the social cost of carbon last Friday, I reported to

Deliberative

Over a series of meetings, we had also had made other significant progress, cemented at the meeting last Friday: the interim value will be global (not only domestic), the growth rate of the SCC will be 3 percent, there will be ample qualifying language indicating how much SCC misses in terms of climate impacts. These features will remain.

Deliberative

Please let me know if you have any questions.

From: Culligan, Kevin
Sent: Friday, August 30, 2013 1:21 PM
To: Tsirigotis, Peter;Goffman, Joseph
Subject: RE: Draft Revisions Look Good

Thanks Joe. We'll make sure you and Peter both get copies of what we send over. It will be a pretty big package including:

Preamble and reg text (with and without red-line) Roadmap to where we addressed interagency comments Transitional source TSD

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

From: Tsirigotis, Peter
Sent: Friday, August 30, 2013 1:17 PM
To: Goffman, Joseph; Culligan, Kevin
Subject: Re: Draft Revisions Look Good

Thx joe. We have a call set up for tuesday afternoon for me to go over doe's comments with the team. I can check in with you after that.

From: Goffman, Joseph
Sent: Friday, August 30, 2013 1:14:16 PM
To: Culligan, Kevin
Cc: Tsirigotis, Peter
Subject: Draft Revisions Look Good

Fine here to send them off. I read only the redline text, and plan (hope) to read the entire thing this weekend.

We should talk about the DOE discussion Peter and I had yesterday and also about whether or not [REDACTED]

[REDACTED]

Thanks.



To: CN=Richard Windsor/OU=DC/O=USEPA/C=US@EPA[]
Cc: []
From: CN=Lisa Heinzerling/OU=DC/O=USEPA/C=US
Sent: Thur 7/2/2009 12:19:19 AM
Subject: social cost of carbon update

After a deputies-level meeting on an interim value for the social cost of carbon last Friday, I reported to

Deliberative

Over a series of meetings, we had also had made other significant progress, cemented at the meeting last Friday: the interim value will be global (not only domestic), the growth rate of the SCC will be 3 percent, there will be ample qualifying language indicating how much SCC misses in terms of climate impacts. These features will remain.

Deliberative



To: CN=Richard Windsor/OU=DC/O=USEPA/C=US@EPA;CN=Lisa
Heinzerling/OU=DC/O=USEPA/C=US@EPA[]; N=Lisa
Heinzerling/OU=DC/O=USEPA/C=US@EPA[]
From: CN=Bob Perciasepe/OU=DC/O=USEPA/C=US
Sent: Wed 11/4/2009 7:28:28 PM
Subject: Re: who has lead on SCC?

Your observations on who knows and what it is

We are trying to set the meeting we discussed for tomorrow.

Bob Perciasepe

Office of the Administrator

(o) 202 564 2410

(c) **Personal Privacy**

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

From: Richard Windsor

Sent: 11/04/2009 12:24 PM EST

To: Lisa Heinzerling

Cc: Bob Perciasepe

Subject: Re: who has lead on SCC?

Deliberative

From: Lisa Heinzerling/DC/USEPA/US
To: Richard Windsor/DC/USEPA/US@EPA
Date: 11/04/2009 12:22 PM
Subject: who has lead on SCC?

OAR is now organizing intra-agency meetings on the social cost of carbon. This has led to great confusion among my staff.

I thought OPEI had the lead?

To: CN=Richard Windsor/OU=DC/O=USEPA/C=US@EPA[]
Cc: CN=Bob Perciasepe/OU=DC/O=USEPA/C=US@EPA[]
From: CN=Lisa Heinzerling/OU=DC/O=USEPA/C=US
Sent: Wed 11/4/2009 7:38:19 PM
Subject: Re: who has lead on SCC?

Thanks. I'm trying to clarify.

From: Richard Windsor/DC/USEPA/US
To: Lisa Heinzerling/DC/USEPA/US@EPA
Cc: Bob Perciasepe/DC/USEPA/US@EPA
Date: 11/04/2009 12:24 PM
Subject: Re: who has lead on SCC?

Deliberative

From: Lisa Heinzerling/DC/USEPA/US
To: Richard Windsor/DC/USEPA/US@EPA
Date: 11/04/2009 12:22 PM
Subject: who has lead on SCC?

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I thought OPEI had the lead?



To: CN=Lisa Heinzerling/OU=DC/O=USEPA/C=US@EPA;CN=Richard Windsor/OU=DC/O=USEPA/C=US@EPA]; N=Richard Windsor/OU=DC/O=USEPA/C=US@EPA]
From: CN=Bob Perciasepe/OU=DC/O=USEPA/C=US
Sent: Wed 11/4/2009 8:16:23 PM
Subject: Re: who has lead on SCC?

I meant Lisa J's observations are likely correct.
Let's get the meeting set ASAP
Bob Perciasepe
Office of the Administrator
(o) 202 564 2410
(c) Personal Privacy

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

From: Lisa Heinzerling
Sent: 11/04/2009 02:38 PM EST
To: Richard Windsor
Cc: Bob Perciasepe
Subject: Re: who has lead on SCC?

Thanks. I'm trying to clarify.

From: Richard Windsor/DC/USEPA/US
To: Lisa Heinzerling/DC/USEPA/US@EPA
Cc: Bob Perciasepe/DC/USEPA/US@EPA
Date: 11/04/2009 12:24 PM
Subject: Re: who has lead on SCC?

Deliberative

From: Lisa Heinzerling/DC/USEPA/US
To: Richard Windsor/DC/USEPA/US@EPA
Date: 11/04/2009 12:22 PM
Subject: who has lead on SCC?

OAR is now organizing intra-agency meetings on the social cost of carbon. This has led to great confusion among my staff.

I thought OPEI had the lead?



105 / 276

93.4%



Tools

Fill & Sign

Comments

To: "Richard Windsor" [Windsor.Richard@epamail.epa.gov]
From: CN=Lisa Heinzerling/OU=DC/O=USEPA/C=US
Sent: Tue 11/3/2009 12:50:11 PM
Subject: Social cost of carbon

Gina reports that you were surprised yesterday to hear that the interagency process on social cost of carbon had started up again. I'm sorry if I hadn't mentioned this. So far, nothing big or bad has happened.

Deliberative

To: Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
From: Pineau, Marisa Gerstein
Sent: Wed 6/24/2015 11:35:03 PM
Subject: Out of Office: NAS/SCC conference call?

Non-Responsive

To: Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
From: Griffiths, Charles
Sent: Tue 6/30/2015 6:51:57 PM
Subject: Automatic reply: revised list of SCC panel recommendations

Non-Responsive

To: Wolverton, Ann[Wolverton.Ann@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Newbold, Steve[Newbold.Steve@epa.gov]; Griffiths, Charles[Griffiths.Charles@epa.gov]
From: McGartland, Al
Sent: Fri 5/1/2015 4:13:04 PM
Subject: RE: New WRI paper: Putting a Price on Carbon

I take back my earlier comment. I thought this was about a social cost of carbon estimate. More about a carbon tax.

From: McGartland, Al
Sent: Friday, May 01, 2015 12:08 PM
To: Wolverton, Ann; Marten, Alex; Kopits, Elizabeth; Newbold, Steve; Griffiths, Charles
Subject: FW: New WRI paper: Putting a Price on Carbon

Ex 5

From: Scheraga, Joel
Sent: Friday, May 01, 2015 12:00 PM
To: Barron, Alex; McGartland, Al
Subject: FW: New WRI paper: Putting a Price on Carbon

FYI -

From: Sam Adams, World Resources Institute [<mailto:SAdams@wri.org>]
Sent: Friday, May 01, 2015 11:56 AM
To: Scheraga, Joel
Subject: New WRI paper: Putting a Price on Carbon



EPA-HQ-2015-011157 Interim 2

To: Peterson, Erik[Peterson.Erik@epa.gov]; Reichgott, Christine[Reichgott.Christine@epa.gov]
Cc: Elleman, Robert[Elleman.Robert@epa.gov]; Cox, Michael[Cox.Michael@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Wright, Justin[wright.justin@epa.gov]; Gavin, JamesG[Gavin.JamesG@epa.gov]
From: Allen, Dana
Sent: Thur 9/10/2015 6:36:45 PM
Subject: RE: FYI - Wyoming Federal Court Said Consideration of Coal Leases' Climate Impacts Was Adequate

Thanks Erik.

Non-Responsive

Ex 5

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

From: Peterson, Erik
Sent: Thursday, September 10, 2015 12:05 PM
To: Reichgott, Christine
Cc: Elleman, Robert; Cox, Michael; Allen, Dana; Evans, DavidA; Marten, Alex; Wright, Justin; Gavin, JamesG
Subject: FYI - Wyoming Federal Court Said Consideration of Coal Leases' Climate Impacts Was Adequate

Non-Responsive

Erik Peterson
Office of Ecosystems, Tribal and Public Affairs EPA Region 10 - Seattle peterson.erik@epa.gov
206-553-6382

...

FEATURED DECISION

Wyoming Federal Court Said Consideration of Coal Leases' Climate Impacts Was Adequate

The federal district court for the District of Wyoming upheld federal approvals for two large coal leases in the Powder River Basin in Wyoming. The court's decision in three consolidated cases rejected a number of claims by environmental groups, including that the review under the National Environmental Policy Act (NEPA) had not given sufficient consideration to the leases' impact on climate change. Citing the "very deferential" stance it was required to take, the court said the disclosure of the effects of greenhouse emissions was adequate, but suggested that "today the analysis likely could have been better given the development and acquisition of new knowledge and continuing scientific study." The court noted that the agencies had not ignored the effects of coal combustion, but that uncertainty regarding such effects was



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

From: Tsirigotis, Peter
Sent: Monday, August 26, 2013 3:38 PM
To: Goffman, Joseph; McCabe, Janet
Subject: Re: Webinar

(b) (5)

From: Goffman, Joseph
Sent: Monday, August 26, 2013 3:22:43 PM
To: Tsirigotis, Peter; McCabe, Janet
Subject: Re: Webinar

(b) (5)

From: Tsirigotis, Peter
Sent: Monday, August 26, 2013 3:16:33 PM
To: McCabe, Janet; Goffman, Joseph
Subject: Webinar

Reflecting on carol kemper's question (b) (5)

Thoughts?

To: Shouse, Kate[Shouse.Kate@epa.gov]
Cc: Marten, Alex[Marten.Alex@epa.gov]
From: Kopits, Elizabeth
Sent: Mon 6/29/2015 5:17:36 PM
Subject: RE: scc comment citing 1981 court decision
Comment#131_Rubber Manufacturers Assn.pdf

Got it. They were the ones citing **Ex 5** – see p. 3

From: Kopits, Elizabeth
Sent: Monday, June 29, 2015 1:14 PM
To: Shouse, Kate
Cc: Marten, Alex
Subject: scc comment citing 1981 court decision

I think it is from the Rubber Manufacturers Assoc. (comment #131). Kate –do you happen to have this one? If not, I am downloading it from regulations.gov now.

EPA-HQ-2015-011157 Interim 2

To: Evans, DavidA[Evans.DavidA@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
From: Shouse, Kate
Sent: Tue 9/15/2015 7:15:40 PM
Subject: RE: Review of climate benefits of 08 transport rule

Thanks, Elizabeth and Dave. I think it's easier to send the SCC comments to me; the teams just send them to me anyway. I've updated the master files in Sharepoint to reflect Elizabeth's comments in Ch 6 and the Exec Summary. I'm flagging a couple of the ES edits for Kathy Kaufman and David Risley to make sure we're all on the same page Ex 5 will let you know if they disagree with anything.

Thanks
Kate

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

From: Evans, DavidA
Sent: Tuesday, September 15, 2015 10:36 AM
To: Kopits, Elizabeth
Cc: Shouse, Kate
Subject: RE: Review of climate benefits of 08 transport rule

Your process works fine for me. I wasn't sure if Kate yet knew that your were looking it over.

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

From: Kopits, Elizabeth
Sent: Tuesday, September 15, 2015 10:34 AM
To: Evans, DavidA
Cc: Shouse, Kate
Subject: RE: Review of climate benefits of 08 transport rule

Ooops, sorry guys. I just now read the details in Dave's email below. Sorry if it causes a problem that I sent the comments to both of you - I am just used to working directly with kate on all SCC language.

Thanks!
E.

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

From: Kopits, Elizabeth
Sent: Tuesday, September 15, 2015 10:32 AM
To: Evans, DavidA
Cc: Shouse, Kate
Subject: RE: Review of climate benefits of 08 transport rule

Hi Dave and Kate,

Here are a few comments on the ES, and just one on Ch 6 (added footnote 17 on p. 4-27, to provide a link to the NAS website). Ch 8 looks fine to me.

Thanks,
Elizabeth

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

To: Bowen, Jennifer[Bowen.Jennifer@epa.gov]
From: Kopits, Elizabeth
Sent: Thur 1/8/2015 8:58:40 PM
Subject: touching base
Kopits_current projects and key contacts_1.8.15.docx

Hi Jenny!

I'm so sorry we haven't had a chance to talk properly about my workload and upcoming leave.

I'm working at home tomorrow but perhaps we can meet early next week? (Ex 6 - Other

Ex 6 - Other I should still be here through 1/23.)

Attached is a list of all my current projects and notes on who will be covering for me on various items. I have discussed this with all the folks mentioned in each section and with Al as well. I have also put a copy of this, along with all relevant files pertaining to various rules, etc., in the Kopits folder on the share drive.

Happy to chat more about this, and timesheets, etc., on Monday or Tuesday whenever works best for you.

Thanks!

Elizabeth

Hi Matt,

Not sure if you see these things (e.g. ClimateWire) but this was in today's edition.

Extreme Weather piece is interesting, given your current work, and also here's yet another piece on SCC.

The second article on SCC links to EPA's SCC page :

<http://www.epa.gov/climatechange/EPAactivities/economics/scc.html>

-Brian

<http://www.eenews.net/climatewire/2015/03/10/stories/1060014746>

Cabinet secretaries warn city leaders about costs of extreme weather

Scott Detrow, E&E reporter

Published: Tuesday, March 10, 2015

Speaking to the National League of Cities' Congressional City Conference yesterday, Interior Secretary Sally Jewell quipped that the Obama administration should have held a Cabinet meeting at the Washington, D.C., conference. Jewell was the fourth Cabinet member to address the gathering of local leaders that afternoon. Earlier in the day, President Obama spoke to the group, too.

Energy Secretary Ernest Moniz, U.S. EPA Administrator Gina McCarthy and Transportation Undersecretary Peter Rogoff -- substituting for Anthony Foxx, who is recuperating from knee surgery -- focused their panel discussion on the effects that climate change will have on local infrastructure.

"A lot of people don't know this, but many of the transit tunnels and highway tunnels that flooded under Hurricane Sandy had just flooded a year earlier in Hurricane Irene," Rogoff said, arguing for the need for projects to anticipate extreme weather events.

To: Marten, Alex[Marten.Alex@epa.gov]
Cc: Griffiths, Charles[Griffiths.Charles@epa.gov]
From: Heninger, Brian
Sent: Tue 3/10/2015 1:20:06 PM
Subject: RE: Extreme Weather and SCC

Non-Responsive

From: Marten, Alex
Sent: Tuesday, March 10, 2015 9:15 AM
To: Heninger, Brian
Cc: Griffiths, Charles
Subject: RE: Extreme Weather and SCC

Non-Responsive

--

Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

From: Heninger, Brian
Sent: Tuesday, March 10, 2015 9:00 AM
To: Matthew_Ranson@abtassoc.com
Cc: Griffiths, Charles; Marten, Alex
Subject: Extreme Weather and SCC

To: Wolverton, Ann[Wolverton.Ann@epa.gov]; Dockins, Chris[Dockins.Chris@epa.gov]; McGartland, Al[McGartland.Al@epa.gov]; Shadbegian, Ron[Shadbegian.Ron@epa.gov]; Sargent, Keith[Sargent.Keith@epa.gov]; Newbold, Steve[Newbold.Steve@epa.gov]; Bowen, Jennifer[Bowen.Jennifer@epa.gov]; Pasurka, Carl[Pasurka.Carl@epa.gov]; Sheriff, Glenn[Sheriff.Glenn@epa.gov]; Simpson, David[Simpson.David@epa.gov]; Moore, Chris[Moore.Chris@epa.gov]; Simon, Nathalie[Simon.Nathalie@epa.gov]; Nagelhout, Peter[Nagelhout.Peter@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Ferris, Ann[Ferris.Ann@epa.gov]; Snyder, Brett[Snyder.Brett@epa.gov]; Garbaccio, Richard[Garbaccio.Richard@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Klemick, Heather[Klemick.Heather@epa.gov]; Griffiths, Charles[Griffiths.Charles@epa.gov]
Cc: Dickie, Mark[Dickie.Mark@epa.gov]
From: Wolverton, Ann
Sent: Wed 6/17/2015 2:22:25 PM
Subject: climate and international team meeting

I have shortened the time for our meeting to a ½ hour given a shorter agenda. Here are the items I have so far.

Non-Responsive

- SCC NAS Process
- SCC RTC

Let me know if there is anything else.

Ann

To: Beauvais, Joel[Beauvais.Joel@epa.gov]
Cc: McGartland, Al[McGartland.Al@epa.gov]; Wolverton, Ann[Wolverton.Ann@epa.gov]; Dockins, Chris[Dockins.Chris@epa.gov]; Axelrad, Daniel[Axelrad.Daniel@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Morgan, Cynthia[Morgan.Cynthia@epa.gov]; Jenkins, Robin[Jenkins.Robin@epa.gov]; Simpson, David[Simpson.David@epa.gov]; Snyder, Brett[Snyder.Brett@epa.gov]; Maguire, Kelly[Maguire.Kelly@epa.gov]; Barron, Alex[Barron.Alex@epa.gov]; Kenny, Shannon[Kenny.Shannon@epa.gov]; Roberts, Martha[Roberts.Martha@epa.gov]; Kime, Robin[Kime.Robin@epa.gov]; Durham, Natalie[Durham.Natalie@epa.gov]; Bowen, Jennifer[Bowen.Jennifer@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
From: Simon, Nathalie
Sent: Tue 1/13/2015 5:52:22 PM
Subject: Proposed Agenda for Today's NCEE Update

Hi Joel--

Here is our proposed agenda for this afternoon's meeting. Please let us know if you have any other items you wish to discuss.

Thanks!
Nathalie

Proposed Agenda
NCEE Update Meeting
Tuesday January 13, 2015
WJCN 3500 3:15-4:15

1. Social Cost of Carbon

2.
3.
4.
5.
6.
7.
8.
9.

Non-Responsive



To: Ferris, Ann[Ferris.Ann@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
Cc: Shadbegian, Ron[Shadbegian.Ron@epa.gov]
From: Evans, DavidA
Sent: Tue 5/5/2015 1:20:57 PM
Subject: RE: E&E news: Clean Power Plan protects public health as much as high carbon tax -- paper

Thanks, Ann. We knew the paper was coming, but I honestly didn't know Dallas was a coauthor.

Non-Responsive

d

From: Ferris, Ann
Sent: Monday, May 04, 2015 2:17 PM
To: Evans, DavidA; Marten, Alex
Cc: Shadbegian, Ron
Subject: E&E news: Clean Power Plan protects public health as much as high carbon tax -- paper

Fyi

<http://www.eenews.net/greenwire/2015/05/04/stories/1060017930>

Clean Power Plan protects public health as much as high carbon tax -- paper

Jean Chemnick, E&E reporter

Published: Monday, May 4, 2015

U.S. EPA's Clean Power Plan will protect public health as much as a very stringent carbon tax would, but at less cost to consumers, a paper published today found.

The [paper](#), by researchers at Harvard University and the Washington, D.C., think tank Resources for the Future (RFF), says that a flexible nationwide model roughly approximating EPA's proposal for carbon dioxide from existing power plants would do more to encourage states to implement demand-side

To: Durham, Natalie[Durham.Natalie@epa.gov]; Wolverton, Ann[Wolverton.Ann@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Dockins, Chris[Dockins.Chris@epa.gov]; Simon, Nathalie[Simon.Nathalie@epa.gov]; Maguire, Kelly[Maguire.Kelly@epa.gov]; Moore, Chris[Moore.Chris@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Griffiths, Charles[Griffiths.Charles@epa.gov]; Newbold, Steve[Newbold.Steve@epa.gov]
From: McGartland, Al
Sent: Mon 7/20/2015 8:31:06 PM
Subject: Fwd: meeting with NCEE

I was thinking of two meetings one on scc and the other **Non-Responsive** But if we want three we can do that I'm sure.

Sent from my iPhone

Begin forwarded message:

From: "Rennert, Kevin" <Rennert.Kevin@epa.gov>
Date: July 20, 2015 at 4:27:42 PM EDT
To: "Means-Thomas, Janet" <Means-Thomas.Janet@epa.gov>
Cc: "Kime, Robin" <Kime.Robin@epa.gov>, "McGartland, Al" <McGartland.Al@epa.gov>
Subject: meeting with NCEE

Janet – could you please work with Natalie to set up a meeting with Al and his Social Cost of Carbon team (listed in his email response below) for later this week or early next week?

Al will also be sending along the staff he'd like included for an additional meeting as well, to cover NCEE's current and upcoming work with **Non-Responsive**, so when he provides that, could you please also find some time for that meeting as well? Thank you!

Best,

Kevin

From: McGartland, Al
Sent: Monday, July 20, 2015 4:19 PM
To: Rennert, Kevin

To: Bryson, Joe[Bryson.Joe@epa.gov]
Cc: Evans, DavidA[Evans.DavidA@epa.gov]
From: Marten, Alex
Sent: Thur 6/25/2015 9:08:39 AM
Subject: Re: Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program | Becker-Friedman Institute Research Respository

Thanks Joe.

Non-Responsive

Non-Responsive

--

Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

On Jun 24, 2015, at 5:19 PM, Bryson, Joe <Bryson.Joe@epa.gov> wrote:

Non-Responsive

From: Vicki Ekstrom High <vekstrom@uchicago.edu>
Subject: Media Release: Study Finds Costs of Residential Energy Efficiency Investments

To: McGartland, Al[McGartland.Al@epa.gov]; Griffiths, Charles[Griffiths.Charles@epa.gov]; Wolverton, Ann[Wolverton.Ann@epa.gov]; Newbold, Steve[Newbold.Steve@epa.gov]
From: Marten, Alex
Sent: Wed 4/1/2015 5:10:17 PM
Subject: scc does grow slower than discount rate

Ex 5

Ex 5

Turns out Heather just had a spreadsheet typo.

--
Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov



To: "Lisa Jackson" [windsor.richard@epa.gov]; Bob Perciasepe"
[Perciasepe.Bob@epamail.epa.gov]
From: CN=Lisa Heinzerling/OU=DC/O=USEPA/C=US
Sent: Fri 12/18/2009 6:34:05 PM
Subject: Fw: DICE + PAGE 2010 SCC Values
[SCC tables.xls](#)

Deliberative

Let me know if you have questions,

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

From: Elizabeth Kopits

Sent: 12/18/2009 11:32 AM EST

To: Lisa Heinzerling; Al McGartland

Cc: Steve Newbold; Charles Griffiths

Subject: DICE + PAGE 2010 SCC Values

Hi Lisa and Al,

Attached are the 2010 SCC values from DICE and PAGE. They are: \$2.2, \$6.6, \$25.1, \$39.8, and \$46.2 (2007\$/ton CO₂).

(We will send along the remaining years as soon as we can.)

Deliberative

Feel free to call me if you would like me to walk you through any of the file.

Thanks,
Elizabeth
202-566-2299

To: Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
Cc: Marten, Alex[Marten.Alex@epa.gov]
From: Shouse, Kate
Sent: Thur 5/14/2015 7:21:13 PM
Subject: RE: SCC vs SC-CO2

Ex 5

From: Kopits, Elizabeth
Sent: Thursday, May 14, 2015 1:27 PM
To: Shouse, Kate
Cc: Marten, Alex
Subject: RE: SCC vs SC-CO2

Hmmm.

Ex 5 **Ex 5**

Just my opinion though.

From: Shouse, Kate
Sent: Thursday, May 14, 2015 1:21 PM
To: Kopits, Elizabeth
Cc: Marten, Alex
Subject: SCC vs SC-CO2

Thanks, Elizabeth.

Ex 5 **Ex 5**

To: Barron, Alex[Barron.Alex@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
From: Evans, DavidA
Sent: Wed 2/25/2015 8:27:00 PM
Subject: RE: AEA papers
[burtraw et al are 2014.pdf](#)
[bayliss et al 2013 aer.pdf](#)

Alex,

I'm pretty positive nothing in the AER 2014 piece by Burtraw et al. is not in the discussion paper, but I can check with them if you would like.

Non-Responsive

Non-Responsive

I should probably also check if I have supplementary info from their analysis somewhere.

Don and his coauthors have a pile of papers on leakage issues. It is all in a theoretical GE economy-wide framework. Their most recent one, which is actually an attempt to parameterize a simple CGE model to see if it replicates the findings of a more complex one given certain behavior and preference-driven relationships b/w key economic variables, was presented at ASSAs in Boston this year.

Non-Responsive

Non-Responsive

Non-Responsive

Will send the other two papers shortly.

d

Alex L. Marten
phone: [\(202\) 566-2301](tel:(202)566-2301)
email: marten.alex@epa.gov

From: Beauvais, Joel
Sent: Wednesday, June 03, 2015 11:44 AM
To: Rees, Sarah; Balsarak, Paul; Gilbreath, Jan; Marten, Alex
Subject: FW: O&G NSPS

Here it is

From: Goffman, Joseph
Sent: Wednesday, June 03, 2015 11:41 AM
To: Beauvais, Joel
Cc: Barron, Alex; McCabe, Janet
Subject: FW: O&G NSPS

Non-responsive

From: Friedman, Kristina
Sent: Wednesday, June 03, 2015 10:05 AM
To: McCabe, Janet; Goffman, Joseph
Cc: Stewart, Lori
Subject: O&G NSPS

Non-responsive

To: Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
Cc: Barron, Alex[Barron.Alex@epa.gov]
From: Marten, Alex
Sent: Thur 6/4/2015 6:05:03 PM
Subject: RE: O&G NSPS

I think we should use the same strategy.

Non-Responsive

Non-Responsive

--

Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

From: Kopits, Elizabeth
Sent: Thursday, June 04, 2015 2:02 PM
To: Marten, Alex
Cc: Barron, Alex
Subject: Re: O&G NSPS

Thanks. So what's the plan with SCC/SCM on this one?

Ex 5

Ex 5

Looping in Alex B since I just wrote him an email about that one.

Ex. 5 - Deliberative

From: Marten, Alex
Sent: Thursday, June 4, 2015 1:58 PM
To: Kopits, Elizabeth
Subject: FW: O&G NSPS

To: Marten, Alex[Marten.Alex@epa.gov]; Barron, Alex[Barron.Alex@epa.gov]; Duke, Rick[EOP email/phone]
Cc: Lueken, Roger[Roger.Lueken@brattle.com]; McGartland, Al[McGartland.Al@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
From: Bishop, Heidi
Sent: Mon 3/30/2015 7:50:41 PM
Subject: RE: Social Cost of Carbon Data

Thank you so much!

From: Marten, Alex [mailto:Marten.Alex@epa.gov]
Sent: Monday, March 30, 2015 3:07 PM
To: Bishop, Heidi; Barron, Alex; Duke, Rick
Cc: Lueken, Roger; McGartland, Al; Kopits, Elizabeth
Subject: RE: Social Cost of Carbon Data

Hi Heidi,

I have attached the full set of SCC estimates from the simulations underlying the numbers in the 2013 SCC TSD.

Please let me know if you have any questions.

--

Alex L. Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

From: Bishop, Heidi [mailto:Heidi.Bishop@brattle.com]
Sent: Monday, March 30, 2015 2:30 PM
To: Barron, Alex; Duke, Rick
Cc: Lueken, Roger; Marten, Alex; McGartland, Al; Kopits, Elizabeth
Subject: RE: Social Cost of Carbon Data



To: 'Linn, Joshua' [EOP email/phone] Hodson, Elke[Elke.Hodson@Hq.Doe.Gov];
Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
From: O'Connell, MaryEllen
Sent: Wed 7/1/2015 5:35:02 PM
Subject: RE: announcement

Josh – Is the announcement still slated for Thursday and if so, can you make the changes listed below?:

Ex 5

Ex 5

Thanks, Mary Ellen

From: Linn, Joshua [EOP email/phone]
Sent: Tuesday, June 16, 2015 4:42 PM
To: O'Connell, MaryEllen; Hodson, Elke; Kopits, Elizabeth
Subject: announcement

Mary Ellen,