Message

From: Ron Thomas [Ron.Thomas@tceq.texas.gov]
Sent: 9/26/2018 2:40:31 PM
To: Snyder, Erik [snyder.erik@epa.gov]
Subject: RE: TCEQ RH Modeling Plan

Just making sure that you understood, "after the 12th". Thanks.

From: Snyder, Erik <snyder.erik@epa.gov>
Sent: Wednesday, September 26, 2018 8:26 AM
To: Ron Thomas <Ron.Thomas@tceq.texas.gov>
Cc: Stephanie Shirley <Stephanie.Shirley@Tceq.Texas.Gov>; Zarena Post <Zarena.Post@tceq.texas.gov>; Huser, Jennifer <Huser.Jennifer@epa.gov>; Imhoff, Robert <imhoff.robert@epa.gov>; Feldman, Michael <Feldman.Michael@epa.gov>
Subject: RE: TCEQ RH Modeling Plan

Ron,

No problem. I understand the logistics as our calendars were tight these two weeks. Looks like we might have a number of times the week of the 12th. I am checking with people on my end but a couple are traveling down to the hearing today so may be tomorrow afternoon before I confirm available times that week.

Thanks for the effort and your patience,
Erik

Erik Snyder
Lead Regional Air Quality Modeler
EPA Region 6
Phone: 214-665-7305
Fax: 214-665-7263
email: snyder.erik@epa.gov

From: Ron Thomas [mailto:Ron.Thomas@tceq.texas.gov]
Sent: Tuesday, September 25, 2018 5:21 PM
To: Snyder, Erik <snyder.erik@epa.gov>
Cc: stephanie.shirley@tceq.texas.gov; Zarena Post <zarena.post@tceq.texas.gov>; Huser, Jennifer <Huser.Jennifer@epa.gov>; Imhoff, Robert <imhoff.robert@epa.gov>; Feldman, Michael <Feldman.Michael@epa.gov>
Subject: RE: TCEQ RH Modeling Plan

Erik,
I apologize, but I have to postpone this discussion until after October 12.
How does Monday, Oct. 15 look for y'all?
Thanks for understanding,
-Ron

From: Snyder, Erik <snyder.erik@epa.gov>
Sent: Monday, September 24, 2018 3:05 PM
To: Ron Thomas <Ron.Thomas@tceq.texas.gov>
Cc: Stephanie Shirley <Stephanie.Shirley@Tceq.Texas.Gov>; Zarena Post <Zarena.Post@tceq.texas.gov>; Huser, Jennifer <Huser.Jennifer@epa.gov>; Imhoff, Robert <imhoff.robert@epa.gov>; Feldman, Michael

<Feldman.Michael@epa.gov>
Subject: RE: TCEQ RH Modeling Plan

Hi Ron,

This isn't super urgent but we want to get caught up and bring our folks up to speed with what you are working on, etc. Looks like 9-10 on October 4th will work for most of us, if that works for your folks. If not, we can look at the following week.

Thanks,
Erik

Erik Snyder
Lead Regional Air Quality Modeler
EPA Region 6
Phone: 214-665-7305
Fax: 214-665-7263
email: snyder.erik@epa.gov

From: Ron Thomas [mailto:Ron.Thomas@tceq.texas.gov]
Sent: Monday, September 24, 2018 12:21 PM
To: Snyder, Erik <snyder.erik@epa.gov>
Cc: stephanie.shirley@tceq.texas.gov; Zarena Post <zarena.post@tceq.texas.gov>; Huser, Jennifer <Huser.Jennifer@epa.gov>; Imhoff, Robert <imhoff.robert@epa.gov>; Feldman, Michael <Feldman.Michael@epa.gov>
Subject: RE: TCEQ RH Modeling Plan

October 4 is your first available time to chat? I am only available in the morning of October 4. Otherwise, let us know your next availablility.
Thanks,
-Ron

From: Snyder, Erik <snyder.erik@epa.gov>
Sent: Monday, September 24, 2018 11:24 AM
To: Ron Thomas <Ron.Thomas@tceq.texas.gov>
Cc: Stephanie Shirley <Stephanie.Shirley@Tceq.Texas.Gov>; Zarena Post <Zarena.Post@tceq.texas.gov>; Huser, Jennifer <Huser.Jennifer@epa.gov>; Imhoff, Robert <imhoff.robert@epa.gov>; Feldman, Michael <Feldman.Michael@epa.gov>
Subject: RE: TCEQ RH Modeling Plan

Hi Ron,

Sorry this Friday doesn't work after all but we can do next Thursday or I can hunt for other dates.

Thanks,
Erik

Erik Snyder
Lead Regional Air Quality Modeler
EPA Region 6
Phone: 214-665-7305
Fax: 214-665-7263
email: snyder.erik@epa.gov

From: Snyder, Erik
Sent: Monday, September 24, 2018 11:16 AM
To: 'Ron Thomas' <Ron.Thomas@tceq.texas.gov>
Cc: stephanie.shirley@tceq.texas.gov; Zarena Post <zarena.post@tceq.texas.gov>; Huser, Jennifer <huser.jennifer@epa.gov>; Imhoff, Robert <imhoff.robert@epa.gov>; Feldman, Michael <Feldman.Michael@epa.gov>
Subject: RE: TCEQ RH Modeling Plan

Hi Ron,

Thanks for the outline. I was wanting to set up a discussion time with myself, Bob Imhoff (modeler), Jennifer Huser (TX RH staff), and Michael Feldman on our end. They are traveling to Austin this week for the hearing so was looking at setting up some time later this week or early next week if that works for your folks. Figure 30-45 mins for length. Potential time ranges available are Friday (9/28) 9-3 is open, and Thursday (10/4) 1-3. Let me know what times works best or if we need to look at later dates.

Thanks,
Erik

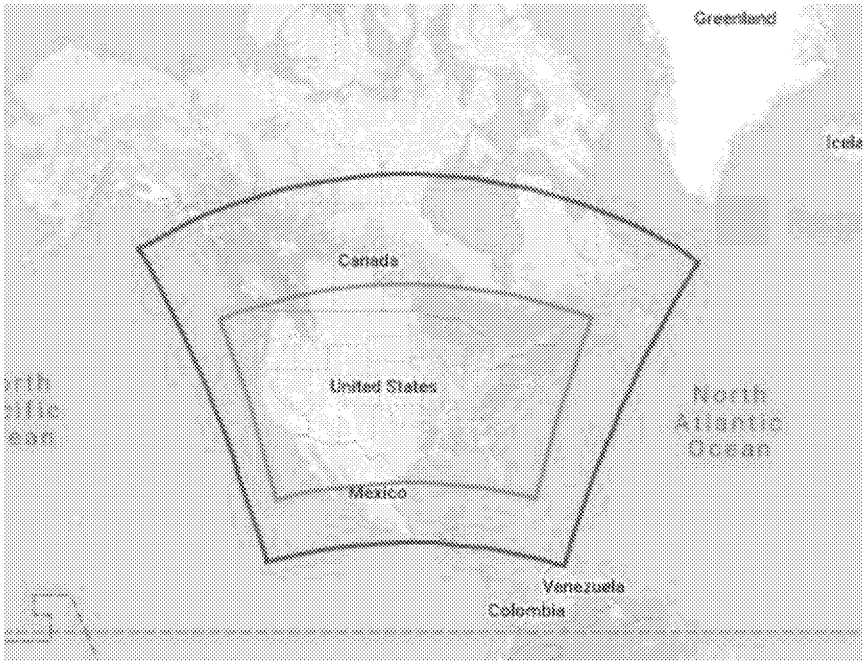
Erik Snyder
Lead Regional Air Quality Modeler
EPA Region 6
Phone: 214-665-7305
Fax: 214-665-7263
email: snyder.erik@epa.gov

From: Ron Thomas [mailto:Ron.Thomas@tceq.texas.gov]
Sent: Thursday, September 20, 2018 4:49 PM
To: Snyder, Erik <snyder.erik@epa.gov>
Cc: stephanie.shirley@tceq.texas.gov; Zarena Post <zarena.post@tceq.texas.gov>
Subject: TCEQ RH Modeling Plan

Erik,
Word has gotten back to me that you are interested in knowing what our modeling plan looks like.
In general, it's the usual:

1. Domain definition and episode selection
2. Met development
3. EI development (base case and future case)
4. CAMx testing
5. PSAT testing
6. MPE against IMPROVE monitors
7. More CAMx and PSAT runs
8. RRF for each PM component
9. Visibility impacts (extinction values by component) and culpability analyses
10. CAMx results with all reasonable progress control measures
11. Sensitivity testing
12. Glideslope development

For #1, our CAMx domain looks like:



And the episode selected is the same as EPA's (all of 2016).'

For #2, the met is being developed at 12km resolution on the larger North America domain, and will be aggregated up to 36km grid cells between the CONUS and the North America grids for the CAMx runs.

Let me know when you want to chat,
-Ron