Tom opened lines at 12:04 pm.

1. Welcome & Roll Call

*Attendees: Alaska, Albuquerque, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming, US Forest Service, US Fish and Wildlife Service, National Park Service, EPA Regions 8, 9, and 10, Pima County, WRAP*

*Rebecca update – This is her last call as co-chair. She is taking a new policy position in Montana DEQ*

1. Note Taker (Colorado)

*Curt Taipale to take notes*

1. Review May 7 RHPWG Call Notes (Thanks to Hawaii)

*Notes approved – no suggested changes*

1. Updates from Work Groups & Partners

*Elias AZ: Coordination/Glidepath Subcommittee – Draft communication framework documents posted on SC webpage that are available for review by Aug. 15th.*

*In September the document will be forwarded to RHPWG for consideration. Tom encourages FLM/EPA review to ensure that document reflects acceptable process.*

*Tom: Could someone from NPS provide a status update on who we should coordinate with since Pat Brewers retirement?*

*Kirsten K.: Pat’s replacement is Melanie Peters. Please copy Kirsten and Melanie on any NPS emails.*

1. Progress on Work Products
	1. Regional Haze in the West Story Board

*RH Story board: Ed Merta w/AQB, Ed reviewed the story board by stating the goal was to produce website to describe RH planning unique to west. States can use website as part of RH educational and outreach efforts. Topics are addressed by telling the RH story. The western RH story board is not all inclusive. Ed encourages review of the document, Get in touch with Ed for any questions.*

1. National Park Service Q/d work

*Amber – WY received NPS Q/d work that is different than Ramboll Q/d work. Can Don describe the process the NPS used?*

*Don S. Description of NPS Q/d - started with 2014 NEI, considered sources within 1,000 km distance from CIA, looked at NPS CIAs only.*

*Airports and rail yards were eliminated from consideration because these sources are non-road sources not regulated by states. PM was not considered because most large sources include coal mines and other large sources with mostly fugitive emissions that are not easily controlled. Focused the pollutant analysis on SO2 and NOx. Many of the largest Q/d sources were EGUs with high SO2 and NOx emissions. EPA guidance recommends capturing 80% of impacts at CIA, so NPS looked at as many sources necessary to meet the 80% impact threshold cutoff for the particular CIA. Cutoffs ranged from Q/d = 0.2 in CA to Q/d =12 in ND*

*NPS realizes that states do not have infinite resources, so understand if states do not review all the sources NPS identified.*

*Tom, why did NPS evaluate a 1,000 KM, this distance seems very far from the CIA?*

*NPS thinks it is a bit of a stretch but not too far from other work done nationally.*

*Did NPS send WA a Q/d list? Don – yes, but NPS will resend the list.*

*All states should have received a Q/d list. Please contact Don if your state did not get a Q/d list.*

*Tom – maybe WRAP should post all the NPS state Q/d lists?*

*Group decided that WRAP will post the NPS Q/d lists on the Control Measures Subcommittee page.*

1. EPA Roadmap Update

*Jaslyn D. at EPA R8 – last update in December, released Roadmap back Sept. 2018. Discusses the timeline and rulemaking.*

*Last fall we released tracking progress. This summer 2028 visibility modeling both US and international emission impacts. The following draft guidance documents are expected to be*

*Summer 2019 natural visibility conditions*

*Summer 2019 Release policy guidance*

*No estimates on the timing of rulemaking.*

*Brian Timin – EPA OAQPS*

*December 2018 - EPA released Technical Guidance*

*Brian covered the international adjustment*

1. Modeling Update (RTOWG)
	1. Work Products Completed or in Progress

*Gail Provided a Modeling update from RTOWG*

*2014 Model performance evaluation - actual emissions sensitivity test*

*Shakeout v1 – large over-prediction for sulfate and OC,*

*Needed to do a V2 shake out – look at GEOSChem scale resolution, May- July work has slowed to now May-Sept. – working with contactors to make the Sept. deadline new GEOSChem simulations; all CA anthropogenic emissions are being updated.*

*Conference call in early Sept. to review modeling results on v2 modeling. Email Mike B., Kevin B. or Gail T. if anyone wants to attend.*

*Goal of shakeout is to be able to go on CIRA website to see model performance to better understand model results.*

*Next step to develop representative baseline emissions for 2014 so that projections for the future are representative of average conditions going forward.*

*Goal to finish in Oct.*

*Dynamic model evaluation – goal to capture trends in the monitoring data*

*What is the modeling progress in anthropogenic impairment?*

*Run model 2002 emissions*

*2014 emissions*

*2028 projections - provide estimate of visibility conditions*

*EPA not committed to doing the backcasting modeling from 2014 back to 2002 – which the RTOWG recommends for Western US because of higher international impacts in the west.*

*2028 OTB/OTW emissions start work in December – emissions will be used*

*PSAT/OSAT source apportionment to start November thru early 2020*

*Extra emission control runs that might be adopted.*

*WY (amber) question - what would be basis for additional controls?*

*Tom - 4-factor analysis will identify potential changes in emissions that can be modeled in early 2020.*

*Need 4-factor emissions estimates by end of December*

* 1. Updated Schedule

*RH modeling – using new 2016 base model platform -*

*Using CAMx with larger modeling domain (incl. 36 km domain). Using updated BCs with hemispheric CMAQ*

*2028 glidepath projections for CIAs.*

*2028 sector based contributions*

*22 national emission sectors (EGUs, on-road mobile, etc) each single sector includes whole domain.*

*2017 RHR allows states to adjust 2064 natural conditions – uncertain on what 2064 might be at each CIA, so natural conditions could be adjusted.*

*Tom – could states adjust 2028 rather than the 2064 endpoint? Brian – no the RH rule does not allow that.*

*EPA considering whether a rule change about this might be pursued in the future.*

*Brian pointed out that the adjustment in 2064 is much larger than the increment of adjustment available in 2028.*

*National workshop (Oct 28-30th) is being organized by CENWRAP. No specifics available, Tom will check on status of the workshop. Cooper Darby has heard that the meeting may be in St. Louis.*

1. Open-Mic
	1. What is the next big hurdle or milestone in your regional haze planning process?

*States provide updates:*

*CO – had second workshop, questions on EGU remaining life.*

*NM – 4-factor work continues, webinar put on NM website*

*AZ – sent letters out to sources on 4-factor analysis, projecting point source emissions for 2028.*

*WY – had some stakeholder out reach. Looking at HYSPLT modeling, confirming source impacts. Will present to stakeholders in the future.*

*UT – started looking at facilities. Bring new RH sources up to speed. Having a stakeholder outreach meeting tomorrow.*

*ID - started contacting facilities. Asking for 4-factor analysis. Working on glidepath and reviewing the 95% metric for a couple CIAs. Is there a deadline for deciding the threshold (95%)? Probably by October or November – if a state is considering a revised metric for certain CIAs.*

*ND – put online all 4-factor responses from sources. States may want to review to see what the analysis looks like.*

* 1. Are you on track to complete your SIP on schedule? If not, why not?

*UT- yes*

*CO - yes*

*ND –not sure, awaiting EPA guidance, to see what it says*

*NV- a little behind, had two recent retirements.*

1. Summary of Action Items and Next Steps

**Next Call: September 3rd @ 12:00 – 2:00 MDT**