**RTOWG conference call**

**January 22, 2020**

**Attendees:**

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| Bob Kotchenruther | EPA Region 10 |
| Brandon McGuire | MT DEQ |
| Brian Timin | EPA OAQPS |
| David Stroh | North Dakota |
| Farren Herron-Thorpe | WA DoE |
| Gail Tonnesen | EPA Region 8 |
| Jeremy Avise | CARB |
| Ken Rairigh | WY DEQ |
| Kevin Briggs | CO APCD |
| Marco Rodriguez | Ramboll |
| Mark Hixson | CARB |
| Mark Jones | NM AQB |
| Mike Barna | NPS |
| Pat Brewer | PFBrewerConsulting |
| Phil Allen | OR DEQ |
| Ralph Morris | Ramboll |
| Rebecca Matichuk | EPA Region 8 |
| Rene Nsanzineza | AZ DEQ |
| Rong Li | ID DEQ |
| Ryan McCammon | WY BLM |
| Scott Speckart | NV AQB |
| Ted Friesner | CIRA-IWDW/TSS2 |
| Tejas Shah | Ramboll |
| Tom Moore | WRAP |

**Welcome/agenda review/roll call/notetaking – Mike, Gail, Kevin**

**Model performance evaluation of CAMx 2014v2 presentation - Ralph Morris (Ramboll)**

* Comparison of v1 and v2 of 2014 base case
* Base case finished mid December, but AMET (used for model evaluation) not working till early January
* Compare to EPA’s 2016 ‘beta prime’ simulation
* Cmaq simulations on hold – new version, bug fixes, slower
* Winter sulfate performance significantly improved in the western US
* Nitrate performance not as good, as expected. Overestimation in summer and underestimation in winter
* Ken asked about aqueous phase conversion of sulfate, and if possible to evaluate cloud performance
* Tom asked if MID could be added to time series plots
* Farren stated that residential wood combustion could be contributing to poor nitrate performance at MORA
* Gail stated that ammonia emissions in the Cache Valley is a problem for Colorado Plateau sites
* OC performance review, reflects fire occurrence
* Waiting for new IMPROVE data to evaluate MID
* Final performance plots, stats, etc. will be sent to CIRA and incorporated into TSSv2
* Review of Phase III 2014 modeling
* Brian Timins stated that EPA dealing with same problem on how to identify soil NOx (biogenic v. anthro) when simulation natural conditions
* Review of Phase IV

**“2014v2 to representative baseline” emissions changes by sector by state, including showing the grid cell state definitions, and EGU unit level “2014v2 to representative baseline” emissions changes in the WRAP region specifically – presentation - Tejas Shah (Ramboll)Review of data sources (e.g., EPA, WRAP, CARB) for constructing baseline inventory**

* 40 sectors in rep baseline
* Comparison of fire emissions between 2014v2 and rep baseline; rep baseline has significantly higher prescribed and wildfire emissions
* Rep baseline EGU emissions significantly lower on a state level, although some individual sources are higher (rep baseline emissions more reflective of typical)
* Summary charts and tables for emission sectors for each state.

**Review spec sheets for upcoming: 1) representative baseline source apportionment run (doc) and 2) natural conditions/international contribution run (doc) - Ralph Morris (Ramboll)**

* ~300 species in source apportionment run
* Will also do an ozone source apportionment in addition to PSAT

**Next RTOWG call (date/time and agenda items) – Mike, Gail, Kevin**

* Next call scheduled for Feb. 26, 2020