# WRAP RHPWG Monitoring & Glide Slope Workgroup

Conference Call September 20, 2018

Agenda:

1. Roll Call: AZ, CA, NM, MT, NPS, FWS, WESTAR/WRAP, Air Resource Specialists (ARS)
2. Administrative
   1. Current Notes – California (Montana will take notes on 10/4 call) - Updated schedule below

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| --- | --- | --- |
| **State** | **Notetaking Date** | **Representative** |
| Montana | 10/4/2018 | Brandon, Kristen, Rebecca |
| New Mexico | 10/18/2018 | Cindy |
| Nevada | 11/1/2018 | Frank |
| Oregon | 11/15/2018 | Phil |
| Arizona | 11/29/2018 | Ryan |

* 1. Subcommittee task timeline

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Completion Date** | **Documentation** | **Responsible Parties** |
| ID Sites w/ missing data | Oct-18 | https://azdeq.sharefile.com/d-s8feb6daa2f248539 | ARS |
| Document IMPROVE algorithms for patching substitution | Oct-18 |  | ARS |
| Document IMPROVE sites which have moved | Oct-18 | https://azdeq.sharefile.com/d-s8feb6daa2f248539 | ARS |
| MID summary document update & planning workgroup discussion on data completion timeline | Oct-18 | https://azdeq.sharefile.com/d-s03b7c1d871e42278 | Control Measures Subcommittee / EI & Modeling Subcommittee / MDGSS / Database Subcommittee |
| Trends Analysis for all sites | TBD |  | MDGSS & ARS (?) |
| Data Substitution | Dec-18 |  | ARS |
| Natural Conditions Recommendation | TBD |  | MDGSS |
| International Emission URP Adjustment | 2019 |  | EI & Modeling Subcommittee / MDGSS |
| Prescribed Fire URP Adjustment | 2019 |  | FSWG / EI & Modeling Subcommittee / MDGSS |
| URP Adjustment Summary Doc | 2019 |  | MDGSS |
| Calculate RH metric for all sites | TBD |  | ARS |
| Subcommittee Summary Document | TBD |  | MDGSS |

* 1. Workgroup/Subcommittee updates (<https://www.wrapair2.org/TSC.aspx> - see the “Monthly Workplan Progress Update 8-29-2018”, next call will be September 26, 2018. The same page has links to the webpages for the other WRAP Work Groups. The RHPWG webpage also has links to the Subcommittee pages to find out what happening through their agendas, notes, and presentations they may post. <https://www.wrapair2.org/RHPWG.aspx>. The next RHPWG bimonthly call is on October 2, noon- 2PM Mountain. There will be a **special webinar** on the “new” database called TSS v.2 on Friday October 5, 1-2:30 PM Mountain Time. Cindy made a flyer and Tina sent out a reminder.
  2. This Monitoring Subcommittee has a Sharefile link hosted by Arizona for review work before it is posted to the WRAP website as final: <https://azdeq.sharefile.com/d-sc6c4f002be1402ca> . It’s OK to share this file with the rest of the Regional Haze Work Group so that everyone can see data for review and comment.
  3. Regional Haze Reform Roadmap: <https://www.epa.gov/sites/production/files/2018-09/documents/regional_haze_reform_roadmap_memo_09-11-2018.pdf> . It’s only 3 pages and EPA discussed it at recent WESTAR Business Council meeting (click on presentation from agenda on WESTAR website <http://www.westar.org/> .) Expect EPA’s final recommendations for identifying MIDs this Fall and new Natural Conditions for the Glide Path in Spring 2019, and a modeling platform in Summer 2019. Krishna Viswanathan (EPA, not on the call) contacted us to let us know that Brett Gantt from OAQPS could sit in on the Subcommittee calls since he is writing the guidance on these topics. AZ, MT, CA gave some pros, Ryan Templeton suggested that others could discuss pros and cons and make decisions later. NPS thought the method might be finalized without much input and Tom Moore noted that EPA changing Natural Conditions was first mentioned in the EPA Road Map. FWS noted that EPA had mentioned that they might redo source apportionment runs with international emissions zeroed out and that there might be new emissions for Mexico and Canada. At IMPROVE meetings there may be discussion of site-specific changes. EPA did not have much detail other than a general schedule for some elements, but seemed willing to listen.

1. Data Patching/Substitution Discussion - Air Resource Specialists (see presentation posted with agenda) Joe Adloch and Emily Vanden Hoek presenting. They have been contracted by WRAP to evaluate the IMPROVE data set for data completeness and prepare data substitution for sites needing it. They also can support Natural Conditions analyses later and other Subcommittee tasks. They also support CIRA and will periodically present deliverables on conference calls. The IMPROVE Committee produced four white papers that Ryan T. sent out for review. ARS is able to work with Subcommittee and Scott Copeland at IMPROVE and EPA to flesh out states’ unanswered questions and to flesh out their needs *(Note: There are quite a few states that may not have looked at their data and won’t know questions until they do. TSSv2 tools would be one place to point all states toward and give feedback to M&GS SC.)*. ARS discussed sites that had been moved and sites that were missing data in significant years (see slides 6-12.) ARS did substitution in the initial planning period and can use some of the same methods. Hydrogen is no longer measured and cannot be used as a surrogate for carbon, so other methods will be investigated. ARS explained their method for selecting substitution sites with an example for Sierra Ancha (SIAN) in AZ. Propose to look only at data two years to either side of missing data (five years, counting substitution year) when doing Kendall-Theil statistical analysis to make “best match.” For 2016, must use 2013-2016, because that’s what’s available. *[2017 may be out this fall....]*

Pat B and Ryan T will see who they should send out list of substitutions to, especially if a substitution site might be in another state so that states get to know the recommended substitution. They are keeping Scott Copeland (IMPROVE) in the loop and hope to finish by December 1.

There is some automatic patching that occurs with missing species that involves a quarterly average that is examined statistically before it is inserted *(Note: Documentation on IMPROVE patches was previously forwarded to the subcommittee. May want to review more and the plan is to link that document on TSSv2 as metadata reference.)*.

1. MDGSS Summary Document Review - Ryan T. asked that people look over the outline that he provided and let him know which chapter they would like to develop as a final draft.
2. Natural Conditions analysis updates - We did not get to this item and will move it to next agenda.
3. Action Items:

* Review four documents that Ryan sent out and send him mark-ups/comments by \_\_\_\_\_\_\_\_
* Ask key RH state contacts for input on site substitution (Only SD, CO, and NV have complete data)
* Discuss if EPA OAQPS should participate
* Contact Ryan T. with which section of the MDGSS Summary Document you would like to complete.

**Next conference call October 4 at 1PM Mountain.**