# WRAP RHPWG Monitoring & Glide Slope Workgroup

Conference Call October 4, 2018

Agenda:

1. Roll Call
   1. Arizona - Ryan
   2. California - Tina
   3. Montana – Brandon, Kristen, Rebecca
   4. New Mexico - Cindy
   5. Wyoming - Amber
   6. NPS – Pat
   7. EPA – Brett
   8. Idaho - Pascale
2. Administrative
   1. Current Notes – *Montana*
   2. Subcommittee task timeline at the end of this agenda
   3. Workgroup/Subcommittee updates (<https://www.wrapair2.org/TSC.aspx> - see the “Monthly Workplan Progress Update” for the latest call)
   4. Subcommittee Sharefile link: <https://azdeq.sharefile.com/d-sc6c4f002be1402ca>
      1. **ACTION (Ryan) - Need a link to the summary document. But you can get to it from the link above “Documents” Folder > “Summary Doc” Folder.**
   5. Let Ryan know if we need any additional links here.
   6. Subcommittee Review
      * 1. RHPWG - Tom has published an interactive agenda from the 10/2 call. Cindy gave a teaser on the Friday webinar for TSS (10/5). Ramboll/Environ explained the SIP readiness assessment they will be doing this fall. WRAP is trying to better support state and group needs. Fire and Smoke EI are due on 10/17. Task list will be created for all the different groups. Primary RH SIP contacts will be contacted in the next week or two by Ramboll
3. MDGSS Summary Document Review – Additional volunteers (Tina and Pat).
   1. We will eventually have to present this work to other workgroups.
   2. **ACTION - Please volunteer for sections!**
   3. Maybe we can put questions into an executive summary? These are the questions we asked and why we asked them. Then the document will be in chronological order. The document should be a teaching tool as well as documentation.
   4. We need to determine what conclusions we have drawn by December and where we need to keep working.
   5. **ACTION - First draft due end of October.**
   6. The control measures group needs us to make decisions sooner rather than later. The modeling contract timeline says we don’t need to talk to the modeling group until December because the contractors are not in place to have a conversation yet.
4. Summary Document Section Assignments
   1. Executive Summary with Q&A – This will need to be added after the rest of the document is written up.
   2. Purpose - ?
   3. Metric Overview/History/etc. (*proposed new section*) – Tom and Pat
   4. Initial Data Usage - Tom
   5. Natural Haze vs Controllable Impairment vs Uncontrollable Sources – Pat and Tina
   6. Calculation Options - Kristen
   7. Work Products - Tom
   8. Coordination between Subcommittees and Workgroups - Ryan
5. Call for Natural Conditions analysis updates
   1. Ryan, Brandon, and Tina have been working on Natural Conditions to give a general overview of how it works.
   2. Cindy looked at how the data looks different if you consider all carbon natural. Also looking at trends. Is there a way to look at what trends we are seeing to say what natural conditions are in 2028 and 2064?
   3. Tina – Took mass levels for 2064 planning period from the data under the modeling button on TSSv1 to figure out what the PM levels would be – less than 10 µg/m3 total on the worst haze days in California. Look at the baseline days with the lowest quintile species mass by individual species, then average by species, then sum these “lowest” averages to get theoretical total as PM10 – should this be natural conditions?
   4. Ryan - Natural Conditions work could possibly be an item for future work. It is good to come up with ideas and concerns, including variability between class I areas. We don’t need to complete all the analysis right now. We should outline potential future ways to look into natural conditions.
   5. Brandon - Trying to figure out what Natural Conditions are and how they were created is very complicated. Brandon’s work could be helpful to better understand how this all works together and flows.
      1. The power point included in the meeting invite walks through how Natural Conditions are calculated:
         1. Step 1 (slide 3): Take the annual average of the mass (units = µg/m3) for each species (years 2000-2004)
         2. Step 2 (slide 4): Get the Trijonis numbers for the Western U.S. for each species
         3. Step 3 (slide 5): Calculate a scaling factor (AA/Trijonis). You will have a scaling factor for each site/year/species combination.
         4. Step 4 (slide 6): Calculate a new distribution that has the Trijonis number as the mean.
         5. Step 5 (slide 8): Convert back to light extinction units for each species in its new distribution.
         6. Step 6 (slide 10): Get the mean value of each year (2000-2004) – The mean of these numbers is NCII for that species. Repeat for all species (slide 11).
         7. The remaining slides show how the trijonis number compares to the distribution of the species for each of the 26 test sites.
6. Action Items
   1. New Mexico will take notes on 10/18 call.
   2. Ryan will add link to the summary document on the Sharefile site.
   3. Consider volunteering for summary document sections.
   4. 1st draft of summary document sections due on October 31st.

**Notetaking Schedule**

|  |  |  |
| --- | --- | --- |
| **State** | **Notetaking Date** | **Representative** |
| Wyoming | 9/6/2018 | Amber |
| California | 9/20/2018 | Tina |
| 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 |

**Remaining Task List (Under Construction!)**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |