# WRAP RHPWG Monitoring & Glide Slope Workgroup

Conference Call September 6, 2018

Agenda:

1. Roll Call
2. Administrative
   1. Current Notes – *Wyoming (California will take notes on 9/20 call)* - Updated schedule towards the bottom of this page

* Frank will not be able to take notes on 10/18 – need to resolve this conflict. Contact Ryan if you can help on this date.
  1. Task List timeline at the end of this agenda
* Discussion – conversation with Control Measures subcommittee to complete this table.
* ARS coming on, focused on what sites need additional data (for missing data sets) AND How to patch or substitute (with documentation). Due in October.
* Trend analysis, natural conditions, URP adjustment deadlines coming up. (Natural conditions being discussed today.)
* Questions, comments to Ryan soon.
  1. Workgroup/Subcommittee updates (<https://www.wrapair2.org/TSC.aspx> - see the “Monthly Workplan Progress Update” for the latest call)
* Shared Database SC – October 5, “progress report” on TSSv2 1:00-2:30 PM
* RHPWG – notice will go out to everyone; “teaser” for RHPWG call October 2nd; Tina and Jay will discuss sharing of data/charts on azdeq sharefile at that meeting as well
* October 2nd workgroup meeting
* Look at the analysis on the Shared File be prepared with comments and concerns
* Control Measures protocol is out for review due to the Control Measures subcommittee by Oct 14. They will be sharing that draft after they compile the document.
  1. Subcommittee Sharefile link: <https://azdeq.sharefile.com/d-sc6c4f002be1402ca>

1. Natural Conditions discussion review tasks/timeline

* 4-factor analysis needs the Natural Conditions/Most Impaired days. We want to try to limit the amount of rework. What can we do in short order, what would we like to recommend for analysis looking into the future? Pat put together some slideshows about 2 different things. 1) OMC anthropogenic 2) glide path for most impaired vs. haziest days and the changes. What can we do and where do we want to go?
* Pat - “what if” scenarios. 15 sites around the West are included. Many of the sites appear to be improving. Do we want to spend more time on this?
* Tom – thought experiment. Instead of focusing on the end point, and look at the realistic trend by 2028.
* Tom - Modeling vs Monitoring. Model the future using the statistic that gives the most realistic trend that could occur by 2028. Modeling factor to scale species by species, using mass.
* Tom – short-term goal. Evaluation tool for natural contributions by the trend at each site by 2028. How would we create these bounds for natural conditions? Glide path illustrations – 5 yr trend is a smoother plot. You could do the statistics to get predictions for the past 17 yrs.
* Frank – regression lines or analysis
* Ryan – look at the end point for 2028 (target)
* Ryan – “timelines” We may be in line with using EPA’s proposed approach. We need a consistent metric moving forward.
  1. See “EPA assignment of IMPROVE Organic Matter Carbon.ppt”
  2. Test analysis of assuming all carbon is non-anthro -> implications for site progress
  3. What other analyses are important?
  4. What can we do internally vs. recommendations for future work?

1. Action Items

* Anyone have time to do “bounding experiments” trend analysis based on past? – Tina, Brandon, Ryan
* Cindy – do we all want to take a crack at some of the sites?
* Provide feedback to Ryan
* Tom – feel free to pull ARS into the discussions and perhaps create a scope
* Ryan – provide any ideas to him. Do some trials and provide feedback.

**Notetaking Schedule**

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| --- | --- | --- |
| **State** | **Notetaking Date** | **Representative** |
| Wyoming | 9/6/2018 | Amber |
| California | 9/20/2018 | Tina |
| Montana | 10/4/2018 | Brandon, Kristen, Rebecca |
| Nevada | 10/18/2018 | Frank |
| New Mexico | 11/1/2018 | Cindy |
| Oregon | 11/15/2018 | Phil |
| Arizona | 11/29/2018 | Ryan |

**Remaining Task List**

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| --- | --- | --- |
| **Task** | **Completion Date** | **Responsible Parties** |
| ID Sites w/ missing data | Oct-18 | ARS |
| Document IMPROVE algorithms for patching substitution | Oct-18 | ARS |
| Document IMPROVE sites which have moved | Oct-18 | ARS |
| MID summary document update & planning workgroup discussion on data completion timeline | Oct-18 | Control Measures Subcommittee / EI & Modeling Subcommittee / MDGSS / Database Subcommittee |
| Trends Analysis for all sites | TBD | MDGSS |
| 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 |