

**WRAP FEJF Meeting
September 24 & 25, 2003
Portland, Oregon**

Comprehensive List of Attendees

FEJF Members:

Pete Lahm, USDA-FS, FEJF Co-Chair; Ron Klein, AKDEC, FEJF Co-Chair; Mark Wagoner, Alfalfa Seed Farmer; Jim Lawrence, USFS-Western Forestry Leadership Coalition; Dave Randall, Air Sciences Inc.; Pat Shaver, USDA/NRCS; Mark Fitch, AZDEQ; Diane Riley, ID DEQ; Larry Biland, USEPA Region 9; Bob Palzer, Sierra Club

Outer Circle Participants:

Dennis Haddow, USFWS-AQB; Darla Potter, WDEQ-AQD; Jim Russell, USDA-FS/USDI-BLM; Lisa Bye, BLM/FWS/NPS; Carl Gossard, BLM; Mike Ziolko, OR DOF; Ken Meardon, MACTEC Federal Programs; Don McKenzie, USFS-FERA (Sept 24); Mark Gray, WADNR; Brian Mitchell, NPS; Sam Jackson, NV BAQP; Brian W. Bischof, USFS-R2; Sue Ferguson, USFS-PNW; Jeffrey Stocum, OR DEQ; Phil Allen, OR DEQ; Svetlana Lazaren, OR DEQ; Arndt Lorenzen, CARB (by phone Sept 24)

Other WRAP Participants:

Tom Moore, WGA, WRAP Technical Analyst; Don Arkell, WESTAR, State Caucus Coordinator; Lee Alter, WGA, WRAP Policy Analyst

September 24, 2003 Meeting Discussion

Introductions

See attendance list

Suraj Ahuja, Scott Keuhn, and Bryan Jenkins – unable to attend due to last minute concerns.

FEJF Vacancies - Update (Pete Lahm & Ron Klein)

Mark Fitch, AZ DEQ, new State Representative to take the place of Frances Bernards who has left UT DAQ

Angel McCormack, Nez Perce Tribe, new Tribal Government Representative

Tim Sexton, DOI Federal Government Representative has moved to the Forest Service. DOI needs to identify a new member and alternative.

Bryan Jenkins, Agricultural Academia Representative, is looking for an alternate Tribal Government Representative position formerly held by White Mountain Apache Tribe is officially vacant. Bob Gruenig is working on identifying replacement.

Forest Resources Academia Representative position is still vacant.

Industry Representative position formerly held by Dick Hayslip is vacant

Membership suggestions should be sent to Pete and Ron for followup.

WRAP Issues/Activities (Lee Alter)

WRAP Strategic Plan plan and budget will be presented at October 14-15, 2003 Board Meeting in Salt Lake City.

(See Lee's PowerPoint Presentation on Strategic Plan, Causes of Haze Project)

FEJF Project Status Updates

Overview of FEJF Workplan Activities for 2003/2004.

(See handouts on FEJF budget and FEJF Workplan Flowchart)

Significant pruning of the FEJF budget was made at the August 12-13, 2003 Planning Team Meeting in Denver, since proposed WRAP – wide projects exceeded funds available. Projects dropped from workplan were Mexico-Canada Emission Inventory, Expansion of Agricultural Alternatives to Burning, and Credits for Alternatives to Burning Policy.

The calendar year column needs to be removed from the flowchart. Misleading as projects do not necessarily occur in sequential manner from one year to the next, and many run concurrently.

There is a critical need for participation by members, outer circle and other interested parties in developing and managing the projects. The forum and WRAP will not meet its commitments as an RPO to States, Tribes, and stakeholders unless people get actively involved. Task team members and participants do not have to be forum members to participate.

Discussed possible need for establishing a Membership Coordinator. Needs to be revisited. If participants are aware of potentially interested individuals please let Pete or Ron know.

Wildland Alternatives to Burning

Reviewers, including Brian Finneran and Mike Dykzuel have provided final comments to the contractor. Pete and Ron will review the comments with Jon Waggoner, Jones & Stokes The document and comments will be evaluated to ensure that the final document is not value laden. A contract modification will be made to enable completion. Targeted completion is end on October 2003.

PH I 2002 EI – Inter-RPO National Wildfire Emission Inventory RFP

John Graves compiled 2002 fire activity information from sources identified in 1996 Emission Inventory before moving on to another job. Nationwide data was compiled. Compilation of fire activity to 10 acres ¾ done. Still number of steps, which need to be completed including GIS, based QA/QC to create a basis for a 2002 inventory.

Pete is establishing an Inter-RPO steering committee, which will be comprised of two members from each RPO. Conference call will be scheduled for end of next week with RFP out by the end of October 2003. RPOs are using different input formats, e.g., WRAP uses EMS, VISTAS uses EMS but puts it into an area format and inject at ground level.

100,000 for this coming from EPA, external to WRAP funding. Some WRAP funding is available to supplement for WRAP as needs.

Spring 04 Fire Technical Conference

- ❖ Need workgroup/steering committee – looking for volunteers
 - Pete Lahm, Mark Fitch, Tom Moore, Tom Pace, Mike Ziolk, Ron Klein
 - Bob Palzer will look for environmental representative
 - Can recruit folks from outside to serve as topic leads
- ❖ ~6 months to put it together so this process needs to get started now.
- ❖ \$60,000 in workplan to support conference. EPA may contribute funds
- ❖ National workshop involving EPA, USFS Research, etc.
- ❖ EPA is doing regular phone calls to focus the group. Technical issues for conference include how to deal with future fire inventories, emission calculations, QA, data specifications for WF and Rx
- ❖ Bill Battey is taking notes and will post on web page. Will be linked to FEJF eb page
- ❖ Workshop can focus on Phase II issues
- ❖ Central USA location to facilitate national participation. Canadian and Mexican participation would be worthwhile]

Establish De-Minimus Levels for Fire Data Tracking and Reporting

(See handout)

Diane Riley TT Leader, Looking for co-chair, Tom Moore, Mark Fitch, Lee Alter, Lisa Bue, Pete Lahm, Dave Randall

- Two conference calls held
- Purpose is to help define de-minimus for FTS policy
- Issues paper passed out to facilitate discussion of issue

Blue Sky/RAINS (Dr. Sue Ferguson)

Image intensive powerpoint presentation by Dr. Sue Ferguson, leader of a new research team formed to focus on atmosphere-fire interactions. Described the development and application of smoke management and modeling tools available on the following websites.

www.blueskyrains.org (GIS)

www.fs.fed.us/bluesky (Tech)

<http://www.fs.fed.us/pnw/airfire> (Weather)

<http://www.fs.fed.us/fcamms/> (National)

Emission Reduction Techniques Project Presentation (Ken Meardon, MACTEC)

(See PowerPoint Presentation)

(See information distributed prior to the meeting for review which can be found on the Emission Reductions Task Team webpage.)

- ❖ Discussion of potential use of DART (document retrieval system) but concern was raised regarding the number of references available to include, which seems too small.
- ❖ Index can also be sorted by Fuel Type instead of ERT. This idea was supported and a broader grouping of ag was suggested (e.g., cereal crops).
- ❖ Suggestion to include the AP-42 factors in the Summary Table was brought up. Another suggestion was to remove the emission reduction information and put it in a separate table.
- ❖ The resource effects area is light, most quantitative information available for Kentucky Bluegrass. Some qualitative information, but is minimal.
- ❖ There is not a good basis for the cumulative emission effects resulting from the document search.
- ❖ The products so far have had very little review. Some people suggested a more complete package for review (including some information from the RFP, some information on how literature review was conducted, what the larger list of potential references was, how the end result can be used and who the targeted audience is, etc.). Some people suggested detailing the purpose of the review. For the review, people need to be targeted for the review within and outside FEJF (e.g., AAQTF).

Volunteers to move this project forward: Ron Klein, Don McKenzie, Dave Randall, Jim Russell

- ❖ Identify what the review is for, how to prepare the material for review, and what people to target for the review. Meeting of the group scheduled for 7:30 am on Sept. 25, 2003 prior to the start of the FEJF meeting.

EDMS (Tom Moore)

Next week, RFP for construction/implementation of emissions data management system (EDMS) for regional haze planning purposes in the WRAP Region will go out. This will be based on the needs assessment results. Fire is different from all other sources and necessitates some special treatment. The timeline of development is for the EDMS to take data in by end of June 2004, a beta version by October 2004, and a fully functional version by early 2005. EDMS will be posted on a website.

Next Meetings

December 10/11, 2003 (Wed/Thurs) Tucson, AZ

March 10/11, 2004 (Wed/Thurs) San Diego, CA

September 25, 2003 Meeting Discussion

FEJF Workplan Activities for 2003/2004

(See handouts)

Projects Deferred as a result of August 2003 Planning Team Meeting

Proposed FEJF Budget Cut at Planning Meeting

- Mexico/Canada EI cut
- Expanding Ag. Alternatives Report cut – put off to do until later
- Credits for Alternatives to Burning cut

Project Management and Participation Needs and Expectations

Need to come up with a strategy to move some of these technical activities forward without relying solely on the persons active in the Emissions Task Team.

Create prioritization to develop RFPs.

Discussion of activities remaining in the 2003/2004 FEJF Workplan and Task Team leads.

Activities were identified as either Tier 1, time critical or Tier 2, less time critical, or an activity which may be based upon completion of a Tier 1 task.

Categorization/Policy

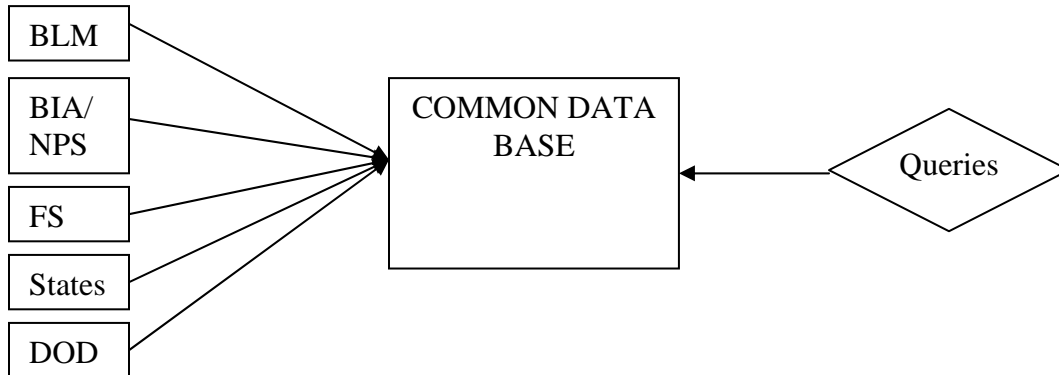
- ❖ Modeling to Assess/Establish De Minimus Levels –
 - Diane Riley lead, Participants:
 - 1st tier item
- ❖ Fire Emissions/Categorization Guidance (difference between restoration & maintenance) –
 - Carl Gossard volunteered to lead and will contact Sarah Gallup (CO DPH&E) to ask if she would co-lead, Participants: Jim Russell, Brian Bischof
 - 1st tier item
- ❖ Wildland Fire Emissions Trade-Off Model Review –
 - Ron Klein lead, Participants: Mark Fitch, Jim Russell, Pete Lahm
 - 1st tier item
 - Unsolicited proposal received, being revised, and project should get underway soon.
- ❖ User Guidance and Review of Feasibility Criteria (ESMP, AEG, Fire Categorization Policies) –
 - Need lead, Participants: Darla Potter (but cannot lead), possible EPA participation?, land manager (safety & environmental effects aspects)?
 - 2nd tier item – available by end of 2004
 - Possible interaction with Economics Forum?
- ❖ Guidance on Apportionment of Natural and Anthropogenic Emissions –
 - Need lead and participants
 - 2nd tier item
 - Arose out of DRI presentation on Causes of Haze at the last FEJF meeting in San Francisco.
 - Interaction/Linkage in that Causes of Haze process for 2000 - 2004.
 - Causes of Haze website will be made available in the next few weeks.

Technical Needs

- ❖ 2018 Fire Inventory –
 - Ongoing project: refinement, natural/anthropogenic apportionment, etc.

- ❖ Evaluate Fire Emissions Estimation Systems –
 - Look at existing Fire Tracking Systems (FastTracks, PFIRS, etc.).
 - Potential application of those systems.
 - Basically the assessment is part of the 2002 EI methodology so this is happening beneath that task.
 - Link with FTS Bridge to the WRAP EDMS and Guidance for Implementation of FTS & AEG Policies.
- ❖ Model Assessment/Sensitivity Runs –
 - Pete Lahm & Dave Randall & Tom Moore co-leads, Participants: ETT
 - (See PowerPoint Presentation by Dave Randall on RMC Model Sensitivity Runs)
 - 1st tier
- ❖ 2002 Inventory of Wx, Rx, and WFU for Wildland, Rangeland, Agricultural Lands –
 - PH I 2002 EI Rx and WFU on WL, RL, Ag
 - 1st tier
 - Bifurcate into Rx and WFU / RL / Ag as there is special expertise for each area.
 - Pat revise Wildfire RFP to fit rangeland/ag., Pete Lahm & Aaron Worstel revise Wildfire RFP to fit Rx and WFU on Federal land, Mike Ziolkko revise Wildfire RFP to fit Rx and WFU on State land, Scott Kuehn? revise Wildfire RFP to fit Rx on Private land.
 - Sources of Data
 - What questions to ask
 - PH I 2002 Inter RPO Wildfire EI initial apportionment for PH I Strategic Plan – Pete Lahm lead
 - 1st tier
 - Target date late 2003/early 2004.
 - PH II 2002 EI WF Rx and WFU on WL, RL, Ag
 - 1st tier
 - Robust 2002 fire inventories needed by end of 2004.
 - Need to create RFP and decide how to aggregate/disaggregate the work.
 - Contract information collection, would require a very specific RFP.
 - Tiered approach with lead people for different sectors (WL, RL, Ag)?
 - Paid project manager suggested.
 - Also suggested to have as a subtask within the EDMS project.
 - Range of data acceptable (minimum to optimum) needs to be established before this task begins, especially for rangeland and ag. land.
 - Contract emissions inventory (emissions, plume characteristics, etc.) development, there is the last RFP to work from for this development.
 - Private rangeland data that NRCS has is proprietary. Would it be possible to get county level data and a time of year without violating the use of that proprietary information?
 - WRAP Region in 2000 ~ 1 million acres on nonfederal rangeland (private and State) was burned – based on work done with nonfederal landowners.
- ❖ Regional Modeling Center Support (fire emissions QA, troubleshooting, sensitivity) –
 - Gail Tonneson with RMC, EI contractor (see above discussion), ETT
- ❖ Fire Tracking System Bridge to the WRAP Emissions Data Management System –

- Mark Fitch, Pete Lahm, Carl, Gossard, Mike Ziolko
 - Link with Guidance for Implementation of FTS & AEG Policies
 - NWCG effort brought up by Carl Gossard to develop a central repository of fire information. Common database. Common reporting form. Queries from that common database.
 - The 7 FTS Policy elements could be built into the system.
 - This effort is not intended to replace systems like PFIRS, etc.
 - This effort could feed information into EDMS when it is ready.



FAICG – Fire and Air Issues Coordination Group also brought up by Carl Gossard.

- Focus on fire and air issues that could impact the implementation of the National Fire Plan.
- Met for the 1st time last week.
- ❖ Refinement of Existing 2018 Fire Emissions Projections –
 - ETT
 - 2nd tier
- ❖ 2002 National Wildfire Emissions Inventory –
 - Pete Lahm
 - 1st tier
 - work has already started
 - See above discussion under 2002 Inventory of Wx, Rx, and WFU for Wildland, Rangeland, Agricultural Lands

Coordination & Implementation

- ❖ Develop Basis for Enhanced Smoke Management Program
- ❖ Alternatives to Wildland Burning –
 - Brian Finneran, Mike Dykzel
 - See above discussion in September 24, 2003 notes.
- ❖ Guidance for Implementation of FTS & AEG Policies
 - Gap filling in FTS
 - Other references to Guidance in the Policies
 - Umbrella that can capture some of the other Workplan activities to bring them all together and summarize them to support the Policies.
- ❖ Technical Guidance on Use of ERTs –
 - Ron Klein
 - 2nd tier

- Phase II to above discussion on ERT literature search in September 24, 2003 notes.
- ❖ Regional Coordination of Smoke Management Programs
 - Topic within Spring Technical Fire Workshop?
- ❖ Co-Sponsor Fire Emissions Conference –
 - Pete Lahm, Mark Fitch, Tom Moore, Mike Ziolk, Ron Klein
 - 1st tier
 - See above discussion in September 24, 2003 notes.
- ❖ Effects of Smoke Management Techniques in Reducing Regional Haze Impacts on Class I areas
 - 2nd tier
 - \$10,000 seed money so this has essentially been deferred to future
 - some connection to sensitivity runs and de minimus work

Next Steps

Persons should explore the above list and see where they would like to participate and move those topics forward via conference calls, e-mail, etc. before the next meeting.