

**National Fire & Air Workshop**  
**January 28-30, 2003**  
**Tucson, AZ**

Breakout Group Instructions

- 1) Select the person who will report back to the full group the 3-5 highlights of the breakout discussion. Recorder: download onto your hard drive the handout document from the disk provided.
- 2) Review all Breakout questions provided.
- 3) Decide which questions the group will address as most relevant to the region(s), and feel free to add any others that are appropriate and/or modify those provided.
- 4) Record any additions to and/or modifications of the questions.
- 5) Record all responses below each question, using as much space as needed.
- 6) Make sure to note where indicated the group's identified 3-5 highlights of the breakout discussion. (See below)
- 7) At the breakout session conclusion, Recorder, please copy the group's work onto the disk provided and return to Rebecca Reynolds at the end of the breakout session.

Thank you!

## LMP Breakout

Breakout Group Region(s) \_\_\_\_\_ Recorder: \_\_\_\_\_

This breakout will focus on both Forest & Project level planning. (Not the National Fire Plan or Programmatic plans.)

### LMP Breakout Questions

- 1) The advantages of increased Fire & Air collaboration on LMP may include greater efficiency, better decisions, and fewer legal challenges. What are other advantages? Any specific to your region?
- 2) What common messages can Fire & Air agree to with regards to Air Quality and Fire Use in the LMP process within the region? Possible examples might include:
  - *The Forest Service will never plan to use fire in a way that is predicted to result in a NAAQS exceedence in a community or other area where the public has reasonable access.*
  - *Fire use planned for ecosystem management purposes will attempt to minimize Class I area visibility impacts but we agree that visibility impairment is acceptable, even natural, from some types of fire use.*
- 3) Where will/should LMP direction for fire and air quality issues originate? WO, Regions, or Forests?
- 4) What questions need to be answered in the LMP process? What specifically needs to be disclosed?
- 5) What are the unique roles for Fire & Air in the LMP process in your region? (Use Matrix provided below)
- 6) What other partners would improve the process (e.g., State reps, other agencies, and organizations)? What is our appropriate relationship with them? What efficiencies can you identify that would result from this collaboration?
- 7) What are the leadership and/or organizational changes at the WO, Research and/or RO level that would encourage increased Fire and Air collaboration?
- 8) What are some policy/planning/information gaps that would inhibit better LMP decisions in your region?

***\*Identify the top 3-5 highlights from this breakout session and write them below. Be prepared to report these back to the workshop. Record highlights here:***

### LMP Roles Matrix

For the land use planning process, first determine what major issues and tasks are involved (verify the list in the Matrix below); then discuss how the Region currently addresses these between the Fire and Air Program and indicate this in the “Current State” column with one of the Role Terms listed below the Matrix (i.e., Lead, Partner, etc.) After this, consider what the optimal situation would be for your Region, and, again using the Role Terms, indicate this in the Optimal State column.

Land Use Planning – Fire Effects on Air Fire and Air Quality Issues and Tasks	Current State			Optimal State		
	Fire Prog.	Air Prog.	Other	Fire Prog.	Air Prog.	Other
ID team lead for issue.						
Description of Affected Environment (general meteorology, sensitive areas, current air quality, etc.).						
Alternative Description (fuel treatment options, justify use of fire, timing of any proposed burning, mitigation measures, etc.).						
Environmental Consequences (quantify emissions; describe potential short and long term effects on health, nuisance, and/or visibility; worst-case analysis; dispersion modeling, etc.).						
Describe requirements and effectiveness of state smoke management plans and/or visibility SIPs.						
Monitoring						

#### Role Terms:

- Lead: Responsibility to initiate, bring together participants, complete, and implement the task.
- Partner: Responsibility to fully participate with the Lead toward development and implementation of the task.
- Involved: Responsibility to participate in certain components of development and implementation of the task, although not at full Partner status.
- Aware: Responsibility to have an appropriate working knowledge of the task, but likely to have little or no involvement in its development or daily implementation.
- NA: Not applicable in our area.

## SIP and SMP Breakout

Breakout Group Region(s) \_\_\_\_\_ Recorder: \_\_\_\_\_

Consider the SIP, SMP and RPO schedules and priorities in your region to decide how to best utilize the breakout session.

### SIP/SMP Breakout Questions

- 1) Increased Fire and Air collaboration on RPO/SIP/SMP maximizes our ability to meet FS objectives. What other advantages are there?
- 2) What common messages can Fire and Air take on Air Quality & Fire Use in the RPO/SIP/SMP process within your region? Possible examples might include:
  - *Unlike exceedances of the NAAQS, visibility impairment from fire use for ecosystem management purposes are acceptable in Forest Service managed Class I Wilderness areas.*
  - *FS fire use for ecosystem management purposes, based on an approved fire management plan, should not be regulated in the same way as industrial sources in the protection of visibility.*
  - *Prescribed fire is a best available control measure (BACM) for wildfire emissions.*
- 3) How can we best interact with States/what are our opportunities to do so? (E.g., RPO involvement, etc.)
- 4) Who are the other stakeholders (i.e., vis-à-vis SIP, SMP, etc.) and what are their issues/questions?
- 5) What are the unique roles for Fire & Air in the RPO/SIP/SMP process in your region? (Use Matrix provided below)
- 6) What are the leadership and/or organizational changes at the WO, Research and/or RO level that would encourage increased Fire and Air collaboration?
- 7) What are some policy/planning/information gaps that would inhibit more effective RPO, SIP and/or SMP participation by your region?

***\*Identify the top 3-5 highlights from this breakout session and write them below. Be prepared to report these back to the workshop. Record highlights here:***

### SIP and SMP Roles Matrix

For the SIP and/or SMP processes, first determine what major issues and tasks are involved (verify the list in the Matrix below); then discuss how the Region currently addresses these between the Fire and Air Program and indicate this in the “Current State” column with one of the Role Terms below (i.e., lead, partner, etc.) After this, consider what the optimal situation would be for your Region, and, again using the Role Terms, indicate this in the Optimal State column.

SIPs and SMPs Fire and Air Quality Issues and Tasks	Current State			Optimal State		
	Fire Prog.	Air Prog.	Other	Fire Prog.	Air Prog.	Other
SMPs						
▪ SMP review team member						
▪ Wildfire/Rx fire tradeoffs						
▪ Current and future fire use projections and emissions						
▪ Definition of appropriate prescribed fire BACM						
▪ Appropriateness of various smoke management techniques						
SIPs						
▪ SIP (NAAQS and RH) review team member						
▪ RPO participation						
▪ Definition of appropriate prescribed fire BACM						
▪ Conformity analysis (if needed)						
▪ Analysis of new PM2.5 NAAQS on Rx fire						
▪ Analysis of the effects of the Regional Haze rule on Rx fire						

#### Role Terms:

- Lead: Responsibility to initiate, bring together participants, complete, and implement the task.
- Partner: Responsibility to fully participate with the Lead toward development and implementation of the task.
- Involved: Responsibility to participate in certain components of development and implementation of the task, although not at full Partner status.
- Aware: Responsibility to have an appropriate working knowledge of the task, but likely to have little or no involvement in its development or daily implementation.
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## Data Needs/Strategies Breakout

Breakout Group Region(s) \_\_\_\_\_ Recorder: \_\_\_\_\_

### Breakout Questions

- 1) What are some information and/or data gaps in your region that limit your ability to estimate emissions for fire tracking, emissions estimation, and emissions inventory?
- 2) What information needs have been identified in your region for LMPs, SIPs, SMPs, and/or RPOs?
- 3) Does your region need to collect new data or develop new processes to meet these information needs?
- 4) How far along is your region's FCAMMS and what can you do to help it advance? (I.e., What is needed in preparation for the FCAMMS products and what will the FCAMMS need from your region?) How will you do LMP, SIP, and SMP analyses until FCAMMS products are ready?
- 5) Will FCAMMS tools change or evolve existing LMP, SIP, and SMP processes? How?
- 6) What did you see in the BlueSky example that would work in your region and what would not?
- 7) What are the unique roles for Fire and Air in the modeling and data collection process in your region? (Use Matrix provided below)
- 8) What are the leadership and/or organizational changes at the WO, Research and/or RO level that would encourage increased Fire and Air collaboration?
- 9) What policy or planning gaps would prevent this collaboration in your region?

***\*Identify the top 3-5 highlights from this breakout session and write them below. Be prepared to report these back to the workshop. Record highlights here:***

**Data Needs/Strategies Roles Matrix**

With regard to data needs and strategies, first determine what major issues and tasks are involved (verify the list in the Matrix below); then discuss how the Region currently addresses these between the Fire and Air Program and indicate this in the “Current State” column with one of the Role Terms below (i.e., lead, partner, etc.) After this, consider what the optimal situation would be for your Region, and, again using the Role Terms, indicate this in the “Optimal State” column.

Data Needs/Strategies Fire and Air Quality Issues and Tasks	Current State			Optimal State		
	Fire Prog.	Air Prog.	Other	Fire Prog.	Air Prog.	Other
Prescribed fire data collection for emissions estimation						
Emissions estimation methods						
Dispersion modeling expertise						
Development and maintenance of emissions inventories						
Emergency event (wildfire) smoke monitoring						
Prescribed fire smoke monitoring networks						
FCAMMS participation						

Role Terms:

- Lead: Responsibility to initiate, bring together participants, complete, and implement the task.
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## National & Inter-Agency Implications Breakout

Breakout Group Letter: \_\_\_\_\_ Recorder: \_\_\_\_\_

### Breakout Questions

- 1) Verify Summary of National-level Findings (see handout) – add/modify/delete and then group them in high, medium, low priority (High: invest resources now – need immediately; medium: invest as possible – need soon (within about 2 years); low: invest only as available resources allow (need in 5 years or more or not at all).
- 2) How do you see the findings of this Workshop being used, promoted, communicated, and implemented at all levels of the organization (WO, RO, Forest, Ranger District, and on-the-ground)?
- 3) What are the key points we want to emphasize to leadership from this Workshop? What are the messages from this Workshop that we should be taking to leadership? What quantifiable outcomes can be reached as a result of implementing these findings?
- 4) What do Fire and Air staffs in the regions and at the WO level need to do to work with other FS resource groups toward accomplishing the findings of this Workshop?
- 5) What do Fire and Air need to do to collaborate with other Land Management and Regulatory Agencies toward these same ends?

***\*For the Report Back: Identify major conclusions from this breakout session. Record highlights here:***