



## WRAP Technical Review Workshop Agenda

July 9 - 10, 2002

Adam's Mark Hotel, Denver

### Day 1

7:30 - 8:30	Registration	
8:30 - 8:45	Welcome	Patrick Cummins and Bill Grantham, WRAP Co-Directors
8:45- 9:00	Purpose and format of workshop	Mike George & Bob Ramirez, WRAP Technical Oversight Committee Co-Chairs

### Nature of Visibility for Class I Areas in the WRAP Region

9:00 - 10:00	Overview of Visibility in the West	Bill Malm, National Park Service
10:00 - 10:15	Break	

### Regional Haze in the WRAP Region - Executive Summaries

10:15 - 11:30	Overview of Major Emissions Inventory Categories, and Modeled Effects of Control Strategies on Regional Haze	Lee Gribovicz, WRAP Emissions Forum Co-Chair John Vimont, WRAP Air Quality Modeling Forum Co-Chair
11:30 - 1:00	Lunch (on your own)	

### Detailed Discussion of Regional Haze, part 1

1:00 - 1:45	Point and Area Emission Inventories - 1996 & 2018	Jim Wilson, Pechan
1:45 - 2:30	Mobile Emission Inventory & Mobile Source Significance	Alison Pollack, ENVIRON John Kowalczyk, WRAP Mobile Sources Joint Forum Co-Chair
2:30 - 3:00	Agricultural R <sub>x</sub> Fire Emission Inventory Inputs	Paula Fields, ERG
3:00 - 3:15	Break	
3:15 - 4:00	Fire Emission Inventories – wildfire, and wildland and agricultural R <sub>x</sub> fire	Dave Randall, Air Sciences
4:00 - 4:30	Update on Tribal Emission Inventories	Sarah Kelly, ITEP
4:30 - 5:00	Questions & Discussion	Mike George & Bob Ramirez
5:00	Adjourn for the day	

## WRAP Technical Review Workshop Agenda, continued

### Day 2

#### Detailed Discussion of Regional Haze, part 2

8:00 - 9:30	Modeling & Model Results	
	1. Overview of WRAP Regional Modeling Center	Gail Tonneson, UCRiverside
	2. Emissions Used in §309 Modeling	Zac Adelman, MCNC
	3. 1996 Base Case Model Performance Evaluation	Zion Wang, UCRiverside and Uma Shankar, MCNC
	4. Results for 2018 Control Simulations	Gail Tonneson, UCRiverside
9:30 – 9:45	Break (concurrent with animations of 2018 model results)	
9:45 - 10:45	Modeling & Model Results, continued	
	1. Projection of Visibility Improvement and Mobile Source Significance Tests	Ralph Morris, ENVIRON
	2. Uncertainties in Model Inputs and Future Work	Gail Tonneson, UCRiverside

#### Emerging Technical Emphasis Areas

10:45 - 11:30	Road Dust Emission Inventory / Creation of the Dust Emissions Joint Forum	Alison Pollack, ENVIRON Mark Scruggs, WRAP Research & Development Forum Co-Chair
11:30 - 1:00	Lunch (on your own)	
1:00 - 1:30	Web-based Ambient Database (WRAP & VIEWS)	Bret Schichtel, CSU
1:30 - 2:30	Future Work Summary	Tom Moore, WRAP Technical Coordinator
	1. Technical Improvements	
	1. NH <sub>3</sub> inventory and ambient effects	
	2. SOA inventory and ambient effects	
	3. Agricultural R <sub>x</sub> fire emission inventory	
	4. Dust	
	5. Natural visibility conditions	
	6. Baseline visibility conditions	
	2. Infrastructure Improvements	
	1. Transfer and maintenance of emissions inventories in a web-based database	
	2. Inter-RPO emissions data exchange protocol	
	3. AMRF – “Causes of Haze” report	Marc Pitchford (10 min.)
	4. TDDG - Tribal Emission Inventory Software Solution development	Jesse Thé, Lakes Environmental (10 min.)
	5. Add modeling and other analysis options for smaller geographic areas, including individual Class I Areas	John Vimont (10 min.)
2:30 - 3:00	Discussion & Wrap up	Mike George & Bob Ramirez