

**Table 1. Status Report and 2004 Budget (September 24, 2003).**

Project Code	Project Title	WGA Acct. # 30-204 (as of 6/30/03)			CY04 Funding
		Projects Budgeted	Projects Underway	Expenditures to Date	
<b>Stationary Sources Joint Forum</b>					
	Analysis of NOx and PM for Section 309 & 308 (REI)		49,985	28,818	
	NOx and PM Study (Ted Russell)		6,500	6,500	
	SO2 Monitoring Protocols for Annex (Pechan)		71,110	71,110	
	ATS/ETS Specifications (PQ)		17,000	13,412	
SS1	Identification of BART-Eligible Sources	75,633			24,367
SS2	Preliminary Determination of Sources Subject to BART				100,000
<b>Fire Emissions Joint Forum</b>					
	Develop Basis for Enhanced Smoke Mgmt. Progs. (Reynolds)		63,704	56,457	
	2018 Fire Inventory (Air Sciences)		268,780	216,227	
	Alternatives to Wildland Burning (Jones and Stokes)		13,488		
	Evaluate Fire Emissions Estimation Systems	14,578			
	Model Assessment/Sensitivity Runs	50,000			
	2002 Inventory of Wx, Rx, and WFU for wildland, rangeland, ag	278,754			
	Modeling to Assess/Establish de minimus levels	100,000			
	Fire Emissions/Categorization Guidance - diff. Between restoration & maintenance	40,000			
	Guidance for implementation of FTS & AEG policies, including policy/tech. options	50,000			
FF1	Wildland Fire Emission Trade-Off Model Review				20,000
FF2	Feasibility Criteria/Technical Guidance for <i>Policy for Categorizing Fire Emissions</i>				20,000
FF3	Guidance on Nat/Anth Apportionment, including support for AMRF & TOC projects				50,000
FF4	Support for RMC analysis of fire emissions scenarios				25,000
FF5	Bridge for Fire Tracking System into WRAP EDMS				10,000
FF6	Refine 2018 fire emissions projections, include AK & HI, plus nat./anthro. Split				130,000
FF7	2002 National Wildfire EI ( <i>f\$100,000 from OAQPS, inter-RPO project</i> )				
FF8	Technical Guidance on Use of Emissions Reduction Techniques (MACTEC)		54,918	12,631	25,000
FF9	Regional coordination of smoke management programs, including workshop				25,000
FF10	Co-Sponsor Fire Emissions Conference				60,000
FF11	Smoke Mgt Techniques to reduce regional haze impacts on Class I areas				10,000
<b>Air Pollution Prevention Forum</b>					

## Fire Emissions Joint Forum

The FEJF projects identified in the existing 2003 WRAP Workplan, and the proposed FEJF projects for the 2004 WRAP Workplan, fall into three main categories:

- 1) The first category provides analyses of technical and policy information needed for further action on Categorization/Policy topics.
- 2) The second category addresses existing and future Technical Needs, specifically emissions inventory development and related modeling analyses.
- 3) The third category of projects is designed to assist WRAP members with Coordination and Implementation of existing fire policies and programs.

The relationship amongst the 2003 and 2004 FEJF projects, and the remainder of the WRAP Work Plan is also presented schematically below, at the end of the FEJF work plan.

### Categorization/Policy

- FF1 Wildland Fire Emissions Trade-off Model Review - As fire management programs evolve, and as directed by the GCVTC, the applicability of the Wildland Fire Emissions Trade-off Model will be reviewed for use in applying existing and future WRAP policies and guidance pertaining to smoke management of fire. Recommendations from this assessment have possible linkage to both the Enhanced Smoke Management Program and the Annual Emissions Goal policies.
- FF2 User Guidance and Review of Feasibility Criteria for *Categorizing Fire Emissions* - Further user guidance will be developed to support the existing WRAP *Policy for Categorizing Fire Emissions*, to refine differences between Restoration and Maintenance prescribed burn types, for elements such as vegetative structure, fuel loading, fuel size classes, ecosystem function, and fire resilience. Also, to further understand implications of the feasibility criteria developed by the FEJF, as used in the various fire policies, a needs assessment for further technical and policy guidance will be developed.
- FF3 Guidance On Apportionment of Natural and Anthropogenic Emissions - The Ambient Monitoring & Reporting Forum's Causes of Haze Analysis project, and the Technical Oversight Committee's Attribution of Haze project, will be supported by the FEJF through development of technical approaches to apportioning the impact of fire emissions between natural and anthropogenic source categories.

### Technical Needs

- FF4 Modeling Assessment of the Impact of Various Fire Emissions Scenarios - Provide support to the Regional Modeling Center to assess the impact of various fire emissions scenarios, using modeling runs conducted by the WRAP RMC.

- FF5 Fire Tracking System Bridge to the WRAP Emissions Data Management System - Implementation of the Fire Tracking System policy includes development of a software bridge for fire activity data into the Emissions Data Management System.
- FF6 Refinement of Existing 2018 Fire Emissions Projections - Existing 2018 fire emissions projections for the contiguous WRAP region for wildfire, prescribed fire, and wildland fire use on wildland, rangeland, and agricultural lands will be refined, while also including Alaska and Hawaii fire emissions. This refinement also includes categorization of natural and anthropogenic fire sources.
- FF7 2002 National Wildfire Emissions Inventory (separate \$100,000 from OAQPS, national project, WRAP has lead RPO responsibility) - The 2002 emissions inventory for wildfire will be developed through an inter-RPO effort funded by EPA, based on a scope of work discussed amongst the RPOs. The FEJF has lead RPO responsibilities for this project.

#### Coordination & Implementation

- FF8 Technical Guidance on Use of Emissions Reduction Techniques – This project was funded and started in 2003, and requires additional funding to complete in 2004. The project report directly supports Annual Emissions Goal reporting requirement in §309.
- FF9 Regional Coordination of Smoke Management Programs - Options for implementing regional coordination of wildland and agricultural prescribed fire smoke management programs, information sharing, and public notification will be developed, and then presented and reviewed at a facilitated conference, to be held in 2004.
- FF10 Co-Sponsor Fire Emissions Conference – As fire emissions are particularly important to understand for regional haze planning in the WRAP region, the FEJF has identified the need to host a fire technical conference to include national fire emissions experts in 2004. Conference topics include, but are not limited to: 1) Methods to assess plume rise characteristics; 2) Technical assessment of fire parameters used for regional modeling; 3) Methods to assess and track emission reduction techniques; 4) Use of technical tools to assist in tracking burning activity for emission inventory purposes, including remote sensing; 5) Treatment of fire sources in regional modeling (expectations versus reality); and 6) Fire emissions structure for SMOKE processor. Initial discussions with EPA and national fire experts via EPA-facilitated conference calls are being conducted in 2003 to refine the topics and prepare material for the conference.
- FF11 Effects of Smoke Management Techniques In Reducing Regional Haze Impacts on Class I Areas - As smoke management techniques are used across the WRAP region, and are useful and economic methods for reducing smoke impacts on Class I areas, an analysis of these techniques and their benefits in reducing haze will be conducted.



## Fire Emissions Joint Forum Work Plan Activities



