

Phase III & IV Emissions Inventories

*Work Underway – Information
Update & Discussion*

WRAP – FEJF

June 7-8, 2005

Denver, Colorado



Phase III & IV – Work Status

- WGA contract received by Air Sciences (June 6, 2005)
- Draft Workplan being developed – planned for release on June 15.

Phase III & IV – Project Overview

- To build planning inventories for fire activity (WF, WFU, RX, Ag, NFR).
- Planning inventories developed for baseline period (2000-2004) and projection year (2018).
- Planning inventories to be used for Regional Haze modeling and SIP/TIP preparation.

Phase III & IV – Project Workplan

- Building Baseline (2000 – 2004) EIs
 - WF, WFU, Rx, Ag, NFR
 - Based on 2002 EI's
 - Technically justified adjustments
 - Goal – representative in terms of size, location, and temporal resolution
 - Allocation Scheme
 - 2002 characteristics for fire size, temporal
 - Allocated to 12-km WRAP modeling grid

Phase III & IV – Project Workplan

- Building Projection (2018) EIs
 - WFU, Rx, Ag, NFR
 - Based on Baseline EI's
 - Each event assigned as natural or anthropogenic
 - Anthropogenic portion controllable/uncontrollable
 - High, medium, and low scenarios

Phase III & IV – Project Workplan

- Building Baseline (2018) EIs
 - Method to develop projections
 - White Paper – context for developing projections & details of deriving projection scalars.
 - Project scalars (small group)
 - Account for regulatory programs, application of ERT's and the AEG policy.
 - Apply to Baseline EIs.
 - QC Binders for State and Tribal review.
 - Technical workshop (1 ½ days)

Phase III & IV – Project Workplan

- QC Plan
 - Purpose – increase FEJF’s confidence in the representativeness of the EIs; can serve as part of SIP/TIP documentation.
 - General QC Approach
 - Automated routines (where possible)
 - Apply systematically
 - Record-by-record review of flagged data
 - Retain rejected records

Phase III & IV – Project Workplan

- QC Plan
 - QC Criteria
 - Methods to assess representativeness & completeness
 - Systematic methods to apply consumption and EFs
 - Systematic methods to calculate emissions
 - GIS routines to augment data.
 - Location info (lat/lon; FIPS; modeling grid)
 - Application of regulatory programs & ERTs
 - Checks for erroneous data (e.g., in water bodies, outside WRAP)
 - Reasonableness checks (e.g., compare baseline to 2018, high to low)

Schedule

June 7	Contract signed and delivered to WGA
June 15	Draft Project Work Plan
June 30	Final Project Work Plan
	WFU and Rx Fire Baseline Strawman
July 21	Baseline EI's and draft documentation
August 1	White Paper on 2018 projections
<i>August 10</i>	1 day technical session (projection scalars)
August 15	Baseline EI final documentation
September 1	Proposed EI scenarios draft assumptions
September 15	2018 projection burning levels QC Binders
<i>October 18</i>	1- ½ day technical workshop on planning inventories -- QC Binder results; ERT's; Fire Calc Tool
November 11	2018 projection EIs and draft documents
November 23	2018 final documents