

Attribution of Haze Work Group
2007 Technical Support System (TSS) Workplan Outline
April 24, 2006 draft

Time Frame

- October 2006 through December 2007

Structure – continue 2 existing contracts

- *Operations, Maintenance, & TSS Development*: WGA contract with CIRA/CSU
- *User Support for Regional Haze Planning & Ongoing TSS Development*: WGA contract with ARS; Image Matters (IM) and ENVIRON as subcontractors
- Assumes WRAP Technical Coordinator managing project from CIRA

Key Staff

- CIRA: Approximately 1.0 FTE (50% Shawn McClure & 50% Rodger Ames, w/ some student help)
- ARS: Joe Adlhoch, some help from ARS staff
 - ENVIRON – Gerry Mansell, some help from other ENVIRON staff
 - IM – Jeff Ehman, with specific tasks/deliverables from IM staff

Funding Request

- CIRA - \$150,000 total (includes staff time, overhead, student help)
- ARS – \$100,000 total (based on hourly rates for ARS & ENVIRON staff, deliverables for IM)

Proposed Work Tasks

- CIRA: *Operations, Maintenance, & TSS Development*
 - TSS operation & maintenance through December 2007
 - Hardware
 - Software
 - Bug fixing
 - Version releases and storage of previous versions
 - Technical support for web site
- ARS/IM/ENVIRON: *User Support for Regional Haze Planning & Ongoing TSS Development*
 - ARS/ENVIRON user support for haze SIPs through December 2007
 - User support during regional haze plan development process
 - Support SIP writers in understanding existing analyses on the TSS
 - Support SIP writers in understanding analytical tools on the TSS
 - Provide analytical support as required (specified additional analyses, each with a defined scope and deliverables)
 - Enhance integration of additional emissions & modeling data into TSS
 - Build on a repository of regional/local analyses into TSS
 - IM tool and functionality development through December 2007
 - Add/enhance capability for user input and export of monitoring, modeling, emissions, and GIS layer data
 - Continue development and enhance web feature service (WFS) to be complete October 2006; providing the ability to analyze all available underlying data on map products
 - Add capability to integrate other databases on the TSS
 - Capability to link TSS to other existing web databases
 - Fuller implementation of metadata

Unfunded, Optional, Possible Future (after mid-2007) TSS Functions

Fire Tracking System (FTS) – the WRAP Fire Emissions Joint Forum is funding the design of a fire tracking system to coordinate management of controllable fire emissions on a day-to-day basis, and to provide periodic fire emissions inventory data (i.e., quarterly, annual) for regional analysis; both are to support the implementation of the haze SIPs due in December 2007. Currently, the TSS is not designed to handle daily inputs of the types of data required by the FTS. However, it is likely that the FTS could be integrated into the TSS at a later time. Therefore, it was suggested that the FTS be built in parallel to current TSS efforts, and that the FTS contractor and the TSS team coordinate efforts to ensure future compatibility.

Prevention of Significant Deterioration (PSD) Increment Tracking – conceptually, the TSS is a useful format for tracking PSD increment consumption. WESTAR has begun an effort to prepare spatial layers in a coordinated fashion between states. If funding were provided, TSS could integrate spatial layers with increment consumption data provided by interested states in a standard format, such that TSS users could review PSD-relevant information concurrent with the evaluation of regional haze data and results.

Critical Loads Tracking & Analysis - conceptually, the TSS is a useful format for tracking Critical Loads data (acid deposition, metals, et cetera) collected by Federal Land Managers, which support assessments of Air Quality Related Values. The Class I areas and other FLM units (parks, monuments, national forests, wildlife refuges, et cetera) are readily available spatial layers. If funding were provided, TSS could integrate these spatial layers with critical load monitoring data in a standard format, such that TSS users could review critical loads data and predict changes in those data, concurrent with the evaluation of regional haze data and results.