

Task 1: Operations and Maintenance - \$19,310

This task includes on-going user support and system maintenance, as well as upgrades and changes to system hardware. Also includes various tasks related to improving the user experience on the FETS Web site and enhanced communication and coordination among agencies.

Identified subtasks include:

- Add logic to Map Tool to limit viewing of Approved and Proposed Burns. Add links to Additional Resources for Smoke Managers (e.g. Meteorology, AirNOW, etc).
- Build a function for the Map Tool to zoom to the area around a fire or the agency jurisdiction (link inside pop-up info window). Have both available or limit based on Access Level.
- Add a disclaimer to the Map page communicating to the public that viewable burns are not all necessarily going to be lit. Consider a redesign of the Map Tool page to better accommodate multiple-screen viewing by smoke approvers.
- Maintenance, user support and system upgrades.
- Embellish the Data Status Table with disclaimers about how data are handled from individual sources.
- Add a timeline to the monthly Status Report with important deadlines, events, meetings
- Provide Web Service links to ClearSky for MT/ID Airshed Group proposals. Build a Web Service for ClearSky (or others) to query accomplished data from the FETS. Can make the query very restrictive (i.e., only accomplished Ag burns).

Task 2: Emissions Inventory Calculation and Reporting – \$15,500

This task involves several projects aimed at refining emission calculation methods currently implemented in the FETS, improving how fire events and emissions data are reported by the FETS, and supporting the reporting needs of FETS users. Subtasks are aimed at bringing the FETS in line with recent changes in Federal policy, applying existing knowledge about emissions calculations that were missed in the original implementation of the system, and enhancing storage capabilities to agencies to submit aggregated fire events (in time and space).

Identified subtasks include:

- Finish defining work for Maricopa County (White Paper). Determine budget, effort required, and execute work. Hold conference call with Alaska and Idaho (AK first) to assess similar need to Maricopa County on a State level.
- Write a Strawman to address refinements to Agricultural Burning emissions calculations, including residue loading tables/emission factors from 2002 and incorporating the results from Air Sciences' emission factor study. Execute the results of the Strawman.
- Review NWGC Policy. Consider changes to FETS fire classifications to best characterize changes.
- Build a NEI-format export function to allow S/L/Ts to report FETS data directly to NEI.
- Execute work for Idaho and Alaska similar to Maricopa Co. work once budget and level of effort is determined.

Task 3: Emissions Inventory/FETS Improvements – \$40,190

This task involves several projects aimed at improving estimates of fire activity data and emissions calculation and how data are communicated and communication among Smoke Managers are facilitated by the FETS. Importantly, subtasks will begin to address ways in which the FETS may benefit from alternate sources of data to augment and/or improve the quality of ground-based fire activity data.

Identified subtasks include:

- Use daily RSAC products for gap-filling. Consider using BAER to refine acres burned from ICS-209 reports (1 week out). Consider using RAVG to refine acres burned from ICS-209 reports (5-10 weeks out)
- Review of the Pilot Study workplan and participation in the Pilot Study kick off meeting (planned for October).
- Enable 'Approved' flag in database. Change flagging as data come in to database. Coordinate changes to data submittal with Agencies (ID,MT,NPT,CO,WA-DOE)
- Draft an email asking agencies to send details of their proposal/approval process. Create a list of rules and post somewhere on the Web site (require password). Decide on timing of submitting proposals and approvals (coordinate with Agencies).
- Obtain links to all Agency Web pages. Embed links to Agency Web pages in the pop-up windows on the Map tool.

- Conduct a Webinar for Smoke Managers (after all or most of above is complete?)
- Finalize data acquisition steps with Colorado. Coordinate with J. Oliver on getting data from WA-DOE's new permitting database. Determine which burns are appropriate and how to classify them. Follow up with K. Tarantola in Wyoming regarding data acquisition. Support setting up a data handshake.
- Follow up with Nevada participants at the FETS Project Meeting to discuss data acquisition. Support setting up a data handshake.
- Contact PFIRS developers again regarding a data handshake. PFIRS has a deadline to come online by October.
- Create coded regional polygon overlays on the Map Tool as a proxy for approved burns for Agencies without prior knowledge of individual locations.
- Build a Mailing List for agencies to be alerts of new proposals/approvals submitted by another agency.
- Participate in the execution of the Pilot Study once the scope and level of effort is determined.

Table 1
FETS Scope of Work Late 2009/2010
Budget and Schedule

Task 1	Maintenance and Operations. Includes user support and system maintenance, as well as operational improvements to the Web site.	\$ 19,310.00	Ongoing
Task 2	Inventory Calculation and Reporting. Includes improvements and updates to emissions calculation methods and report types and supporting specific fire emissions data needs for States and Tribes.	\$ 15,500.00	Ongoing
Task 3	Emission Inventory Improvement. Includes data acquisition support, enhanced data coverage from alternative sources, bringing new ground-based tracking sources online, and improving operational systems to support regional coordination and data submittal by FETS users.	\$ 40,190.00	Ongoing
<i>Total Budget Late 2009/2010 Scope of Work</i>		\$ 75,000.00	