

FETS STATUS REPORT – SEPTEMBER 2010

Contract Details

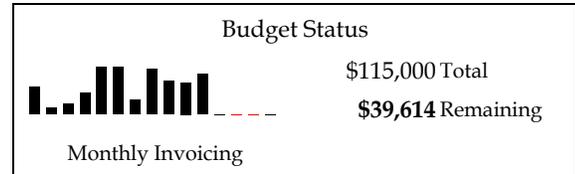
Term: 10/01/2009 to 12/31/2010

Task 1 – Maintenance and Operations.

Task 2 – Inventory Calculation and Reporting.

Task 3 – Emission Inventory Improvement.

Task 4 – 2008 National Emissions Inventory Support.



Project Activity since July 2010

A general note on current project activity and planning for 2011

The FETS project team is currently focused on two major tasks: supporting WRAP members' reporting to the 2008 NEI, and developing a protocol for developing regional (i.e., WRAP-wide) emission inventories for 2008-2010. Both datasets, the final 2008 NEI and the WRAP-wide 2008-2010 planning inventories, will be used for modeling analyses, and it is therefore important that the data in both inventories are closely related.

2008 NEI Support Status

- The deadline for submitting revised and/or new fire data to the NEI remains at November 1, 2010. The tools being developed to support WRAP members' submittals to the NEI will be available October 1, 2010. During the month of October, the project team will be available to support members' effort to analyze and choose data for submittal to the NEI.
- Data gathering efforts have officially concluded. The comprehensive data acquisition status table was updated ([find it here](#)) and may be considered final. The following data sets are in-hand and need some additional processing:
 - California's Air Resources Board provided data sets from three air quality control districts:
 - South Coast - Location and dates are provided, but not the amount of acres burned
 - San Joaquin Valley - Have acres and dates, will have to pay a fee to obtain locations.
 - Sacramento Metropolitan - Currently geo-locating from addresses, about ¾ finished.
 - Additional data provided by New Mexico is currently being processed for upload into the FETS.
- Preliminary NEI data were obtained from the EPA. An initial review of the data set has revealed data that need a closer look.
 - Examining large wildfires, some events were identified with significant differences in acreage compared to other datasets, including FETS NIFC, and MTBS.
 - EPA separated Agricultural data from the remainder of the inventory, and has not yet been provided.
 - As expected, there are a large number of smaller unclassified fires that will require comparative analysis against FETS prescribed and agricultural data.
- Work to build a web-based data QA/QC and reconciliation tool to analyze user- and EPA-provided data sets for 2008 will be completed by October 1, 2010. Additional GIS layers were obtained to support the reconciliation process by using land use/land ownership information to assign a burn type to unclassified EPA-provided data.

System Development and Maintenance

- In anticipation of work on planning-grade inventories in 2011, a connection was made to a National Weather Service database to download daily radar-observed precipitation maps for the entire United States.
- A new page was added to the website to allow the System Administrator to manage user accounts more easily.

Emission Inventory Development Protocol for 2011

- A small group met in Boise, ID on 8/31 and 9/1 to aid the FETS project team make decisions about specific technical approaches to use to build the planning-grade emission inventories for 2008-2010. The culmination of the meeting was a draft protocol outline ([find it here](#)).
- One of the technical products identified for potential use was the SMARTFIRE data stream. The NEI Support work occurring now will provide valuable insight into integrating the SMARTFIRE data stream with data reported from the FETS and evaluating where additional processing steps or QA/QC may be necessary to ensure a reasonable level of accuracy.

Calls and Meetings

- A group of technical experts met in Boise, ID on 8/31 and 9/1 to planning-grade emission inventories for 2008-2010.
- The FETS Project team has conducted several calls with EPA regarding the 2008 Preliminary NEI dataset.