

FETS STATUS REPORT – MARCH 2010

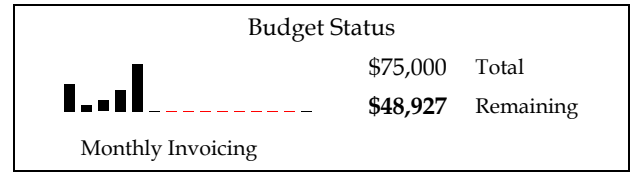
Contract Details

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

Task 1 – Maintenance and Operations.

Task 2 – Inventory Calculation and Reporting.

Task 3 – Emission Inventory Improvement.



Project Activity since December 2009

Data Acquisition Status and Updates

- The Web Service for the MT/ID Airshed Group changed; the Technical Node was updated to accommodate this.
- Progress was made on updating the data connection with Washington DOE, but it is still down for now.
- NOAA HMS fire detects were connected to the FETS Map (includes date, time, detector, confidence). Today's detects update every hour, and have finer resolution than the MODIS dataset. Info here: <http://www.osdpd.noaa.gov/ml/land/hms.html>.

System Development and Maintenance

- M. Mavko has been communicating with ClearSky (A. Fink) to get the service connection established.
- HMS data display on the map tool was expanded to encompass up to one week at a time.
- The FETS was moved to a new web server that uses an Open-Source version of ColdFusion. It is a dedicated shared-hosting server that is managed by Air Sciences and hosted by Vivio Technologies.

Emission Inventory and Reporting Development

- A whitepaper was drafted to outline FETS support for reporting to the 2008 NEI.
- A memo was drafted outlining a QC hierarchy from Level 0 to Level 3 and steps to bringing FETS data from Level 1 to Level 2.

Bugs, User Problems, and Feedback

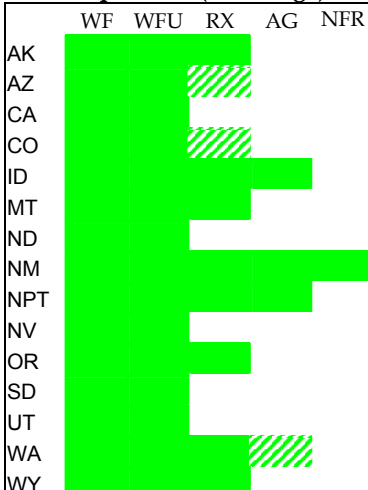
- Other than a few quirks associated with moving the system to a new web server, no problems have surfaced.

Meetings and Other Scheduled Events

- Several calls were held with FETS users, M. Mavko, and T. Moore to discuss NEI reporting and related FETS user needs.
- A call with EPA is being scheduled to discuss FETS' role in reporting to the NEI in 2008.
- A meeting with C. Wiedinmyer is being scheduled to discuss implementing satellite-derived emissions calculations as a parallel emissions inventory in the FETS.

Function Status

Data Acquisition (no change)



Capabilities and Features

- Submit proposed and completed activity via FTP or Web Service.
- Map Tool
- View proposed and completed activity for a given day.
 - Overlay fire detections *for reference only* for up to one week.
 - View historic activity over multiple days.
- Reports
- Download daily Level 1 inventories by State, County, Tribe or Agency.
 - Choose the WRAP method or CONSUME emissions calculations.

Helpful Hints and Reminders

- During peak fire seasons, map queries over long periods (> 1 week) may time out.
- Fire detections (HMS) depicting fire activity (no emissions) are displayed on the map for up to one week from the chosen start date for reference purposes.
- Annual Emission Goal summaries and emissions averted due to ERTs must be calculated outside the FETS.