

# FETS STATUS REPORT – DECEMBER 2009

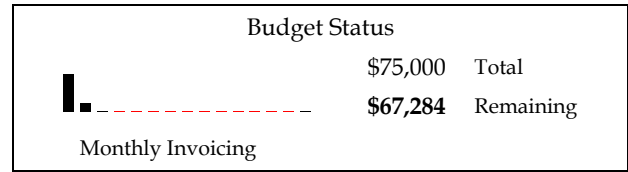
## Contract Details

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

### Data Acquisition Status and Updates

- Maricopa County small wildfire data were loaded into the FETS. Fuel loading was not included with the data and the GIS-based automated fuel mapping returned “Non-fuel Area” for many burns. A solution to this problem has not been determined.

### Development and Maintenance

- The FETS database server was upgraded in October. In early November, the database server experienced a catastrophic drive failure. The server was rebuilt and no data were lost.
- A prototype Web Service for the FETS to automatically query and download completed burn data in XML format was developed and tested on December 11, 2009. Next steps include making a connection to the ClearSky servers to begin automated transfer of completed burn data.

### Bugs, User Problems, and Feedback

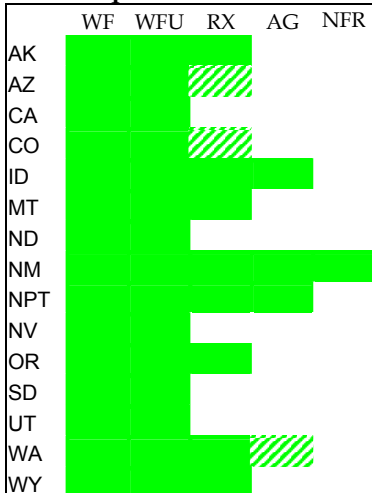
- A problem was discovered with how the Technical Node digests and converts MS-Excel files with non-ASCII characters. This was corrected by adding a Unicode decoding step in the Excel file processing.

### Meetings and Other Scheduled Events

- M. Mavko held a call with the ClearSky to outline a Web Service for the FETS. A follow-up call was held with T. Moore to go through details of accessibility and relevance for the larger FETS community.

## Function Status

### Data Acquisition Status



### 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 a single day.
- 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 are only displayed on the map for the chosen *end date*, and are for qualitative purposes.
- Annual Emission Goal summaries and emissions averted due to ERTs must be calculated outside the FETS.