

Evaluation of Existing Fire Tracking Systems

FEJF Meeting

Day 1, 945a – Seattle, WA

Project Overview

- Is there an existing FTS system, with few or minor modifications, will satisfy the WRAP's requirements for an FTS.
- Web-based and historical systems (e.g., wildfire systems) to be reviewed.
- Primary emphasis of this project is on real-time data import and export capabilities.
- Evaluation will be made from the perspective of an FTS user.

Project Goals

- Evaluate existing FTS and provide:
 - A feasibility assessment of existing systems.
 - An analysis of modifying each system to include WRAP needs.
 - Estimate resources needed to modify the system to meet the required elements for tracking prescribed fires.

Systems to Evaluate

- San Joaquin Valley Smoke Management System - California
- Airshed Management System (formerly RAZU) - Montana/Idaho
- Smoke Management Database - New Mexico
- Nez Perce Tracking System
- South Carolina
- Florida
- USDA Smoke Management System

Project Methodology

- Develop evaluation chart that includes:
 - Basic data elements
 - System information
 - Front- and Back-end applications
 - Indexing and reporting
 - Optional modules
 - Interface/exchange of data
- Conduct interviews with current FTS users/managers.
- Feasibility assessment of 7 systems.
- Shortlist and assess 2 systems
 - Necessary modifications
 - Cost to modify & host

Cost Estimate

- Primarily based on input from FTS managers.
- Cost estimate to include:
 - Development hours
 - Additional hardware costs
 - Ongoing system costs

Recommendations

- What existing FTS would work best “as-is” for the WRAP’s FTS?
- What existing FTS would require the least amount of modification to work well as the WRAP FTS?

Recommendations

- What combination of existing FTS, technical modifications, and exceptional features from other FTS would comprise a WRAP FTS with the most complete set of features and capabilities?
- Rather than starting from an existing FTS, is there a better way for the WRAP to proceed with building the WRAP FTS?

Timeline for WRAP Project - Evaluate Existing Fire Tracking Systems

Deliverable	Number of weeks from Project Kick-Off Call (11/11).																			
	1 11/18	2 11/25	3 12/2	4 12/9	5 12/16	6 12/23	7 12/30	8 1/6	9 1/13	10 1/20	11 1/27	12 2/3	13 2/10	14 2/17	15 2/24	16 3/3	17 3/10	18 3/17	19 3/24	
Draft Work Plan																				
Final Work Plan																				
Present Work Plan and Project Status (FEJF mtg)			Nov 30																	
Develop Evaluation Chart																				
Acquire materials and user-access																				
Initial FTS evaluations and interviews																				
Selection of 1-3 FTS for further evaluation								Jan 3												
FTS Task Team approval of FTS short-list								Jan 6												
In depth evaluation and assessment																				
Compile findings and develop recommendations																				
Draft Findings and Recommendations																Feb 6				
Comments from Task Team to R. King																Feb 17				
Comments to Air Sciences / EC/R																Feb 20				
Final Findings & Recommendation																	Feb 28			
Present Results (FEJF meeting)																		Mar 7-8		