



Fire Program Analysis (FPA) System

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WHY ARE WE BUILDING FPA?

The purpose of the Fire Program Analysis (FPA) System is to provide managers with a common interagency process to evaluate the effectiveness of alternative fire management strategies through time to meet land management goals and objectives. FPA will be driven by quantified fire objectives and performance measures for the full scope of fire management activities.

The new FPA application will allow for landscape scale, interagency analysis at the planning unit. This analysis will result in agency budget submissions as well as a national database of alternative budget levels, suppression organizations, objectives and associated outputs. The comparison of outputs to objectives is an indicator of effectiveness.

The project will re-engineer the business process so that all five federal agencies will utilize the same budget request process, models, assumptions and displays. Budget alternatives will be rolled up across all the agencies to a national database to facilitate analysis of the preparedness budget across and between agencies.

The Preparedness Module will be the first in a series to be developed. This module will result in an automated system for initial attack planning to replace the systems currently in use by the five federal wildland fire management agencies. The Preparedness module will evaluate the cost effectiveness of alternative initial attack organizations in meeting multiple fire management objectives.

Additional FPA System modules will address:

- Extended Attack
- Large Fires and National Fire Resources
- Hazardous Fuel Reduction
- Wildland Fire Use
- Prevention

THE FPA CORE TEAM:

Project Manager:	Dan Keller (USFS)
Deputy Project Manager:	John Noneman (BLM)
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WHAT CAN YOU DO TO GET READY?

- Create Data Layers that Follow Agency Standards
- “Partner Up” with Your Neighbors
- Have Fire Management Plans for Every Burnable Acre
- Conduct Interagency Resource/Fire Planning
- Think Landscape – Prepare Locally

WHAT KIND OF DATA DO YOU NEED?

- Fire occurrence (Points)
- Fire history (Perimeters)
- Aspect
- Slope
- Elevation
- Current Vegetation(polygon)
- Fuel Models (Fire Behavior Prediction System) ie. Farsite data(polygon)
- Fire Regime/Condition Class(polygon)
- Weather Stations (points)
- Weather Station Zone of Influence(Fire Danger Rating Areas)
- Dispatch Locations(points)
- Transportation System(lines)
- Defined Fire Planning Unit(polygon)
- Defined Fire Management Units(polygon)
- Fire Management Objectives(quantifiable)
- Fire Management Unit Constraints(polygon)
- Hydrologic System – ephemeral(lines)
- Emergency Fire Suppression Cost
- Emergency Stabilization Cost
- Land Ownership(polygon)
- Wildland Fire Protection(polygon)