



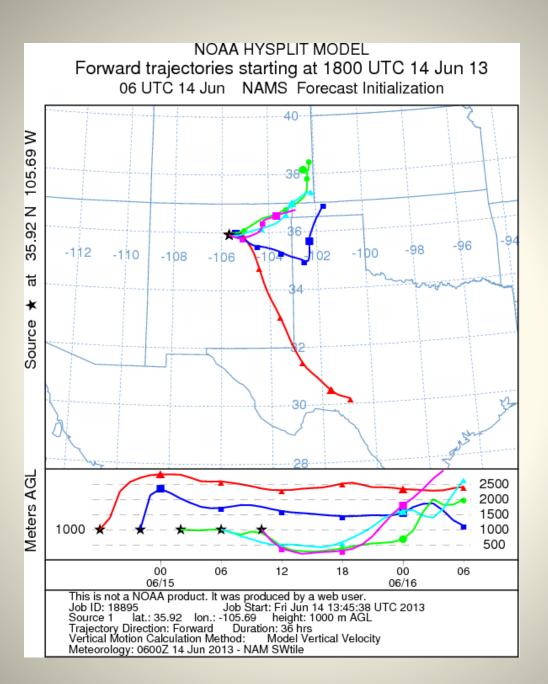
Why model?

- Ability to predict impacts at many locations
- Monitors can't predict future impacts
- Inexpensive
- Analyze varying scenarios
 - Type of burn
 - Fuel type
 - Moisture
 - Timing



HYSPLIT-what is it?

- Model to determine trajectory a parcel of air will follow
- Free to public
- Links to readily available meteorological data
- Options for dispersion, deposition, instantaneous or continuous emissions
- Forward or back in time
- User-friendly







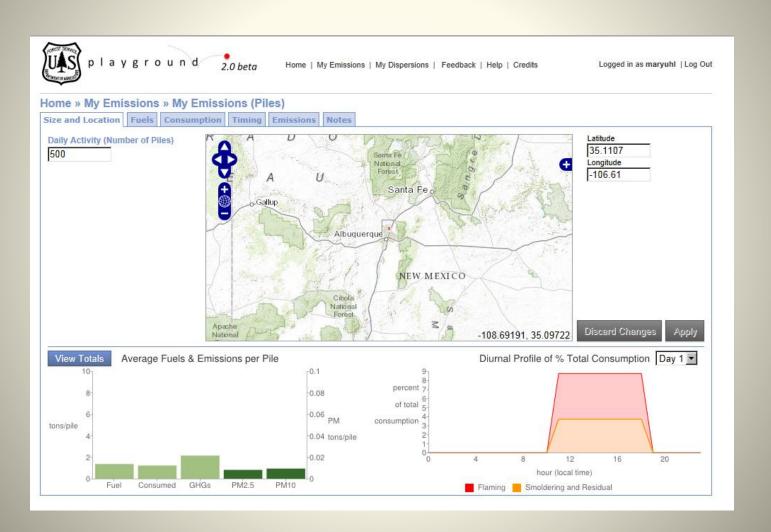
- Web tool combining:
 - Fuels information data (FCCS and LANDFIRE)
 - Consumption models (CONSUME)
 - Emissions factors and models (FEPS)
 - Dispersion models (HYSPLIT and VSMOKE-GIS)
 - Meteorological forecast data (NAM, NW Regional Modeling Consortium, CA/NV Smoke and Air Consortium)

Blue Sky Playground options

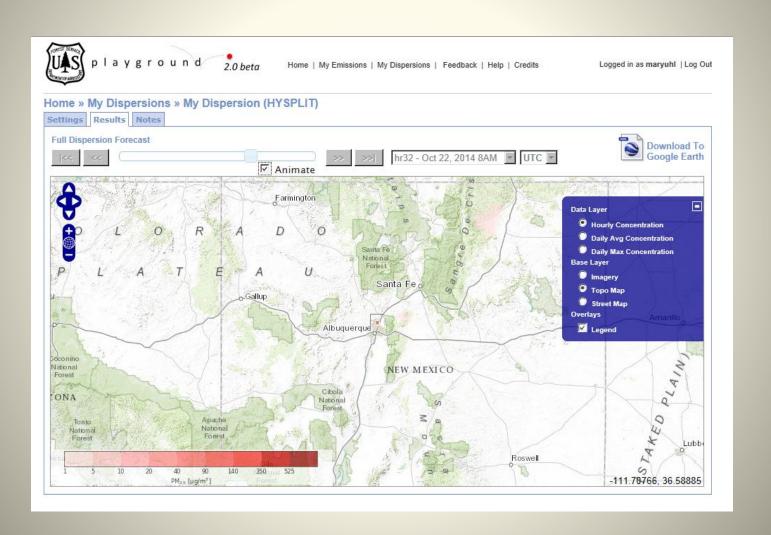
- http://playground.airfire.org
- Fun factor—graphics and animations
- Create emissions scenarios and model
- Daily runs: http://www.airfire.org/data/bluesky-daily/



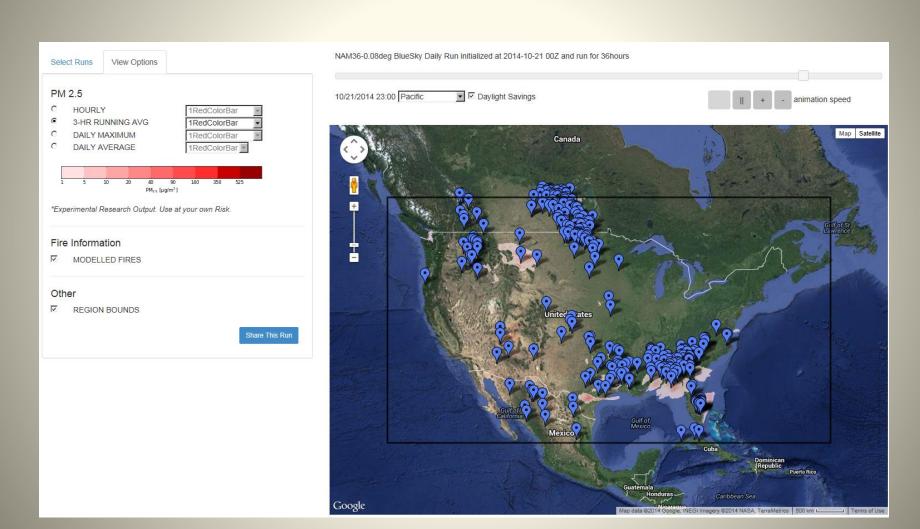
Create your own emissions scenario



Visualize the impacts



Blue Sky Daily Runs





QUESTIONS?

MARY UHL, BLM-NM AIR QUALITY SPECIALIST MUHL@BLM.GOV