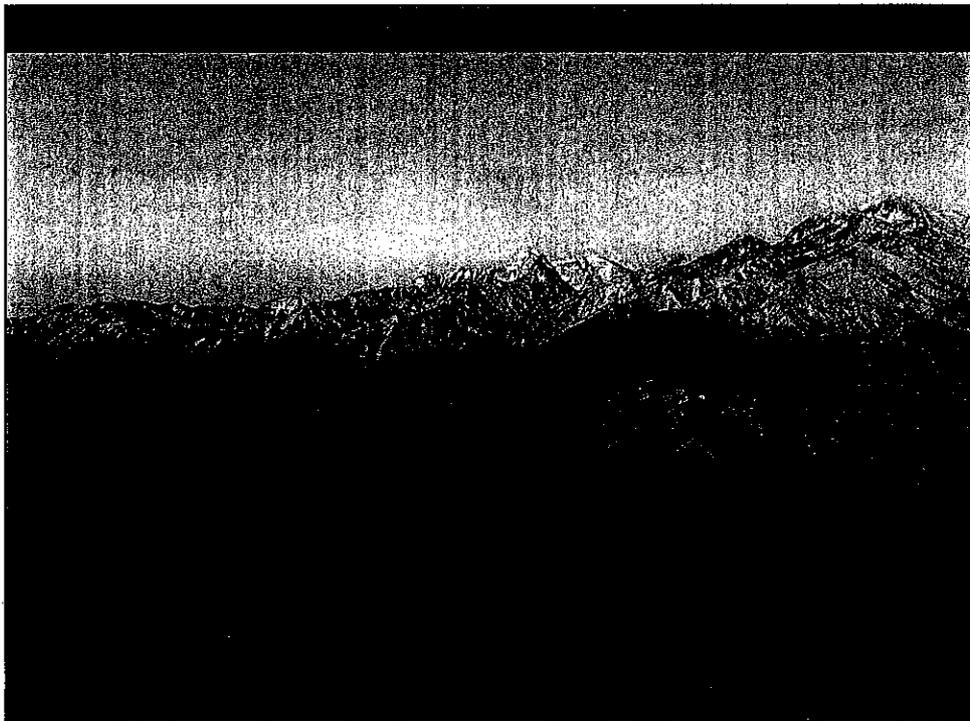


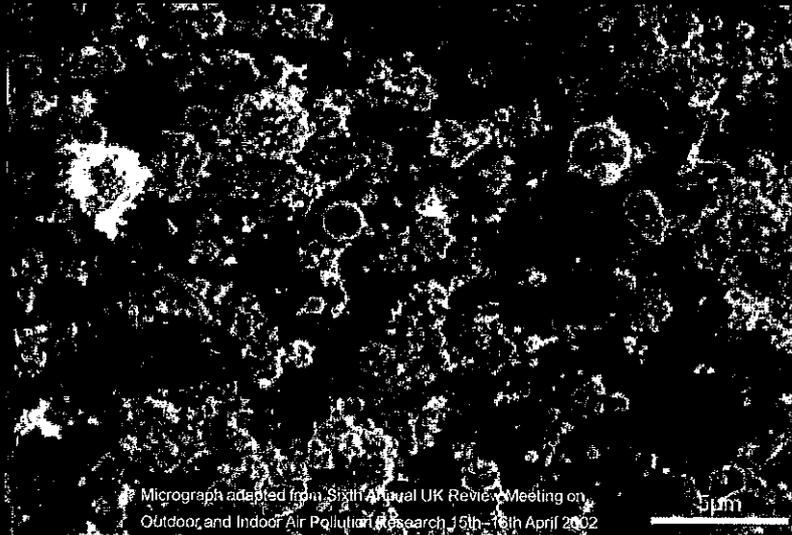
PM2.5 State Implementation Plan Update

Bryce Bird
Department of Environmental Quality
Division of Air Quality

801-536-4000

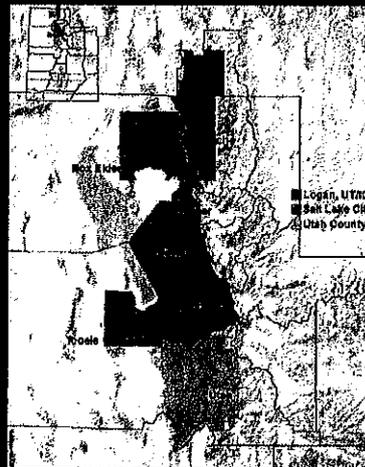


Particulate Matter less than 2.5 microns (PM_{2.5})

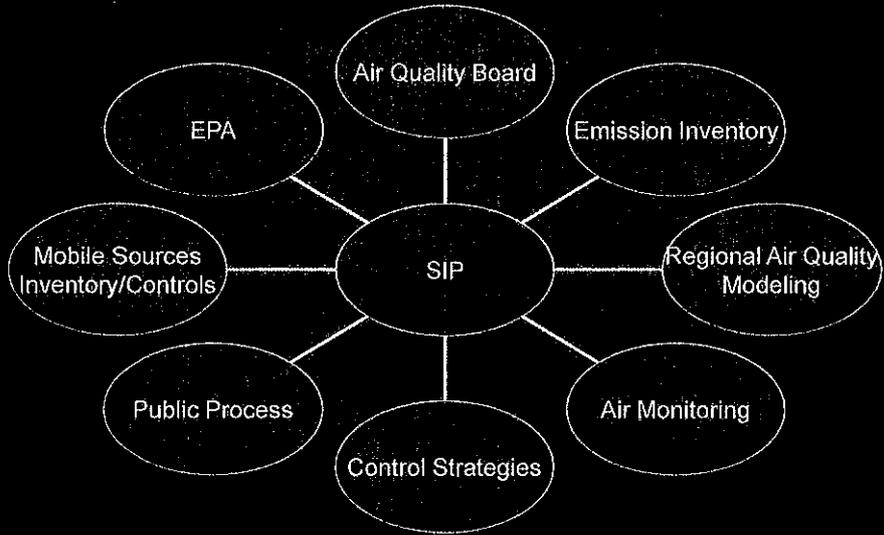


PM_{2.5} - Utah's wintertime pollutant

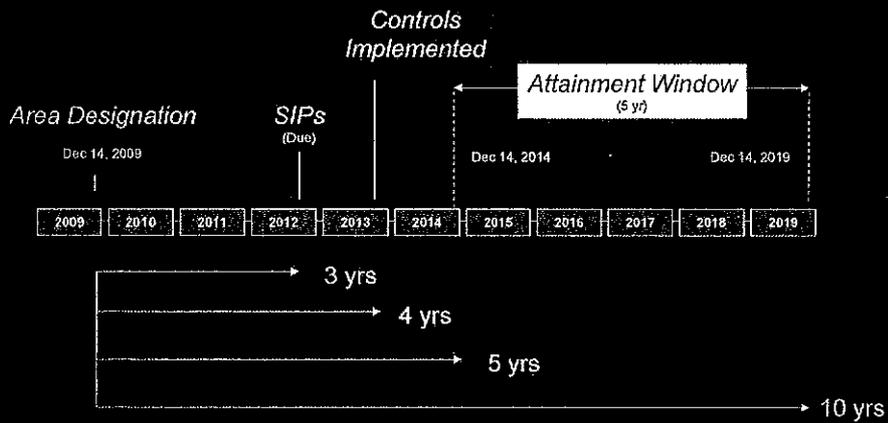
- NAAQS lowered from 60 to 35 $\mu\text{g}/\text{m}^3$
- Chemically formed during inversion periods
- 3 different non-attainment areas
- SIP due to EPA December 2012
- Working closely with EPA through the process
- Developed a Utah specific atmospheric model to evaluate strategy effectiveness



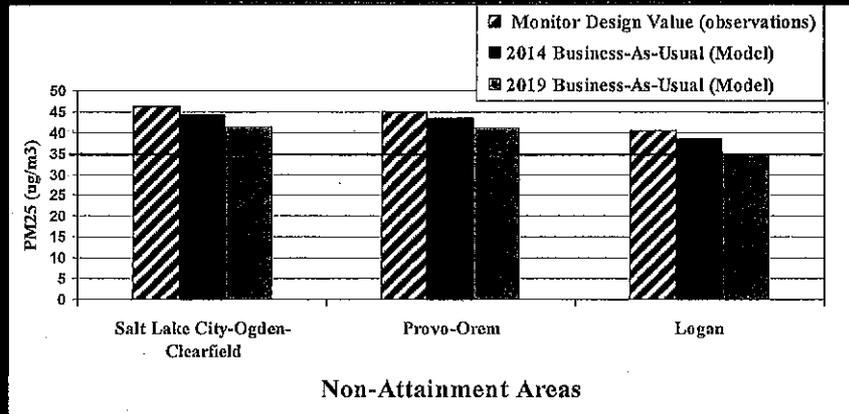
SIP Development



Attainment Time Line



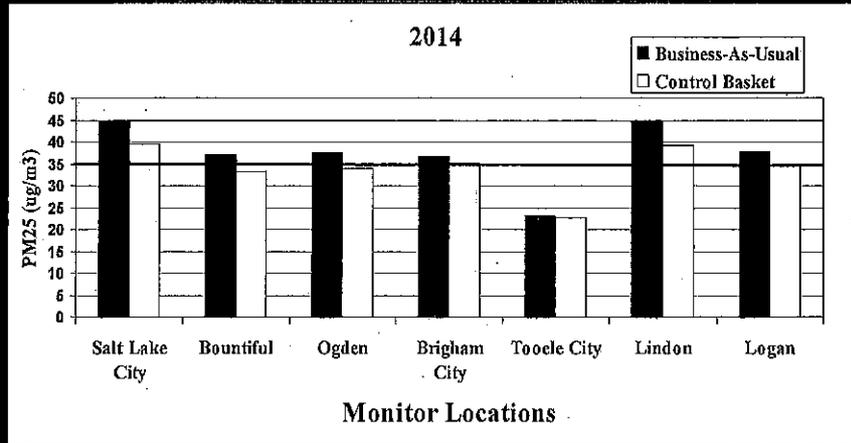
Model Attainment Test April 20, 2012



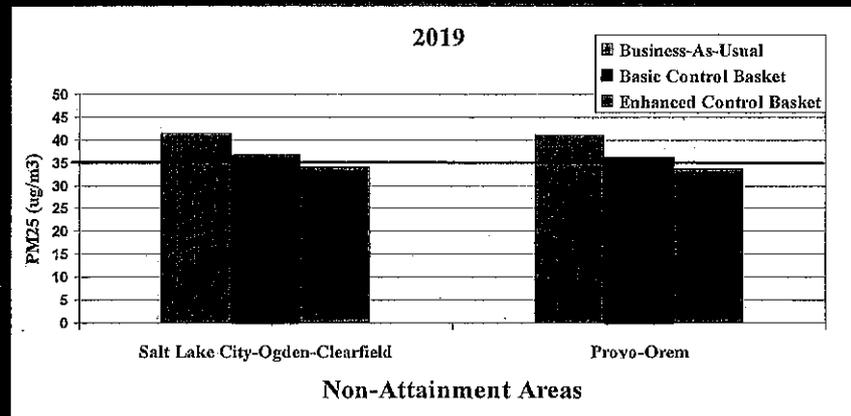
Basic Control Basket

- Vehicle Emission Testing in new areas
- Fuel Volatility improvements
- Voluntary and emerging mobile source improvements
- Expand R307-302, Residential Fireplaces and Stoves
- Expand R307-309, Fugitive Emissions and Fugitive Dust
- Expand R307-335, Degreasing
- Expand R307-340, Surface Coating
- Expand R307-343, Wood Furniture Manufacturing
- New Rule - Consumer Use Adhesive & Sealants
- New Rule - Yeast Products
- New Rule - Restaurants
- New Rule - Autobody Refinishing
- Voluntary and emerging stationary source bundle
- 5% reduction in projected actual point source emissions

Progress By Location



Model Attainment Test April 20, 2012



Enhanced Control Basket

- Additional emissions reductions from mobile sources
- Add Categories to Current Surface Coating Rule
- New Rule – Over The Counter Consumer Use Household Products Rule
- New Rule – Consumer Solvents
- New Rule - Phase Out Pilot lights
- New Rule - Commercial/Institutional - Natural Gas Low NOx Burners
- Additional 20% reduction in projected actual point source emissions through offsetting, retrofits and new source permitting

Questions?

www.airquality.utah.gov

<http://www.airquality.utah.gov/Public-Interest/Current-Issues/pm2.5/index.html>