

UTAH DEPARTMENT *of*  
**ENVIRONMENTAL  
QUALITY**

# APPROPRIATIONS SUBCOMMITTEE 2016

# Who We Are



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**Established by the Legislature to maintain  
state control and protect Utah residents**



**UTAH DEPARTMENT *of*  
ENVIRONMENTAL  
QUALITY**

# Our Mission

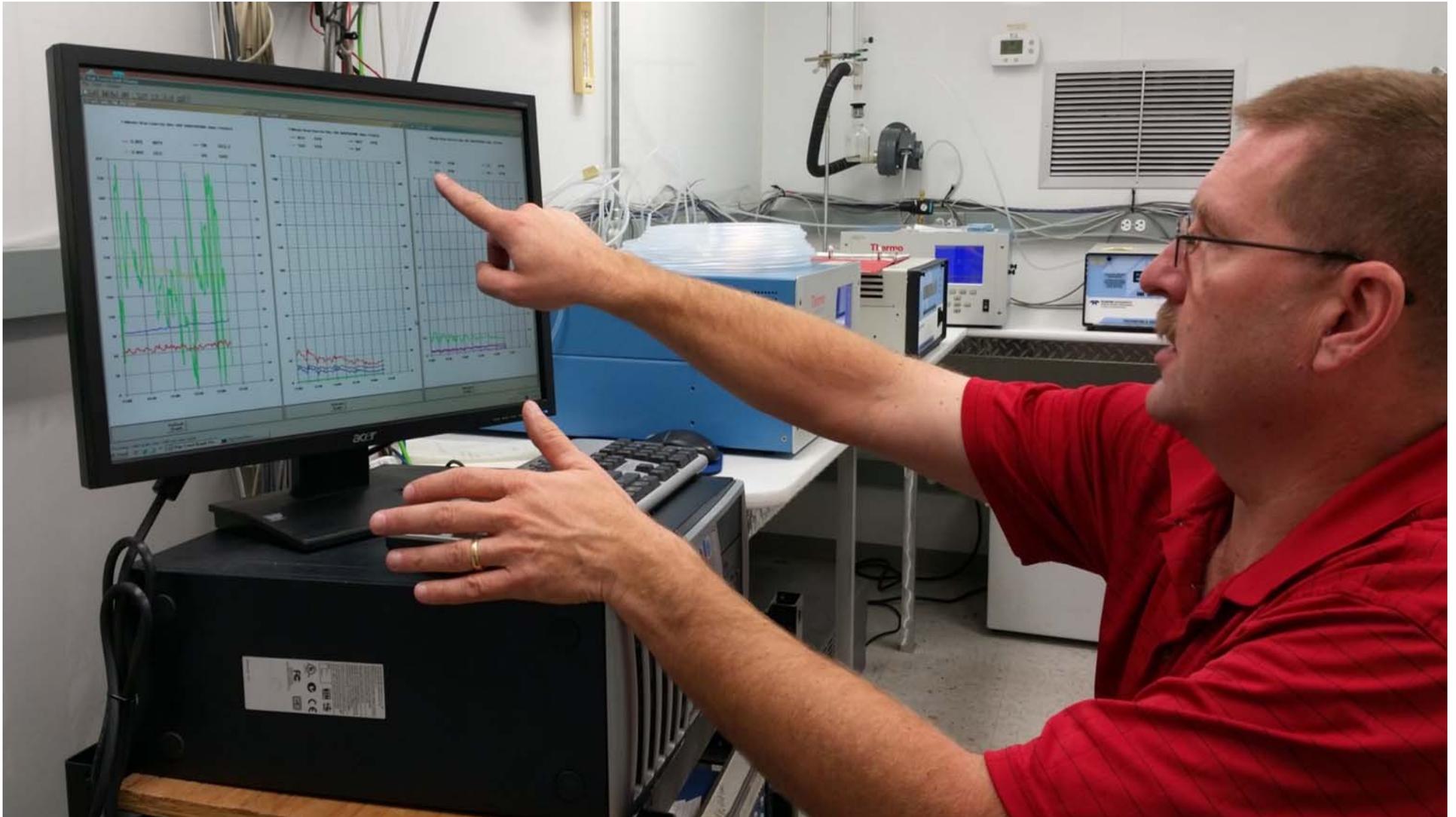


*Safeguard human health, prosperity, and quality of life by protecting and enhancing the environment*

# Our Principles



# Policy Implementation through Sound Science



# Economic Opportunity



# Efficient Use of Taxpayer Dollars



# Continuous Improvement SUCCESS Framework



# Service to the Public



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# Challenges

- Increased federal environmental regulations
- Increased demand for services as population grows
- Workforce
- Changing public expectations for information and participation
- Technical complexity of environmental issues
- No easy solutions
- Divisiveness around issues and decisions
- Decreased federal and state resources for programs

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# Successes

- Midvale Slag site delisting from Superfund
- Redevelopment of former Geneva Steel site
- Air quality research projects
- Coalville wastewater treatment plant
- Gold King Mine spill response
- Camp Williams ordnance cleanup
- CARROT program
- Woods Cross drinking water treatment plant



## ENVIRONMENTAL RESPONSE & REMEDIATION

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**ENVIRONMENTAL RESPONSE  
& REMEDIATION**

# Underground Storage Tanks and Superfund



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# Program Review 2015

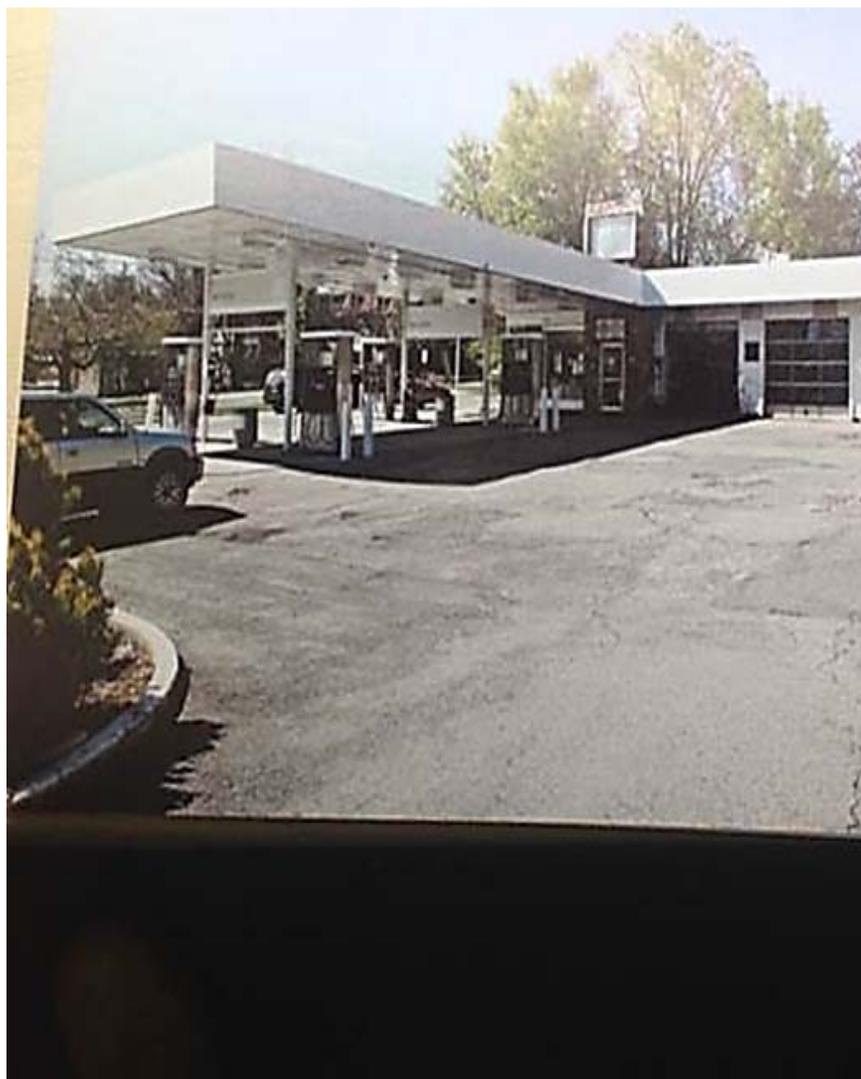
- Underground Storage Tanks (USTs): 3,991 active tanks
- USTs on the PST Fund: 2,840 (71 percent)
- Compliance inspections: 967
- Leaking Underground Storage Tank (LUST) sites closed: 121
- New LUST releases reported: 86
  
- Active Superfund remedial sites: 26
- Superfund pre-remedial site decisions: 24
- Active Voluntary Cleanup Program (VCP) sites: 37
- Emergency incidents reported: 360



# Gas Station in Murray



# Gas Station on South Temple



# Midvale Slag Site Delisting 2015



# Ogden Gas Works



# Ironton Site Provo



# Meadowbrook Area



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# Operational Efficiencies

- Revised Interactive Map
- EZ Search link for electronic documents (eDocs)
  - Improved public access to documents
  - Significantly reduced GRAMA requests
- Underground Storage Tank (UST) risk tool
- UST tablet inspection app
- Online payment portal for registration fees and certifications
- Tank-tightness test email reminder for operators
- Online Petroleum Storage Tank (PST) Fund claim submittal (future process improvement)
  - Easier submittal and processing of claims
  - Identification of potential fraud and abuse of PST claims





**WASTE MANAGEMENT  
& RADIATION CONTROL**

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**WASTE MANAGEMENT  
& RADIATION CONTROL**

# Solid Waste



# Hazardous Waste



# Site Cleanup



# Land Reclamation



# Beneficial Use



# Corrective Action



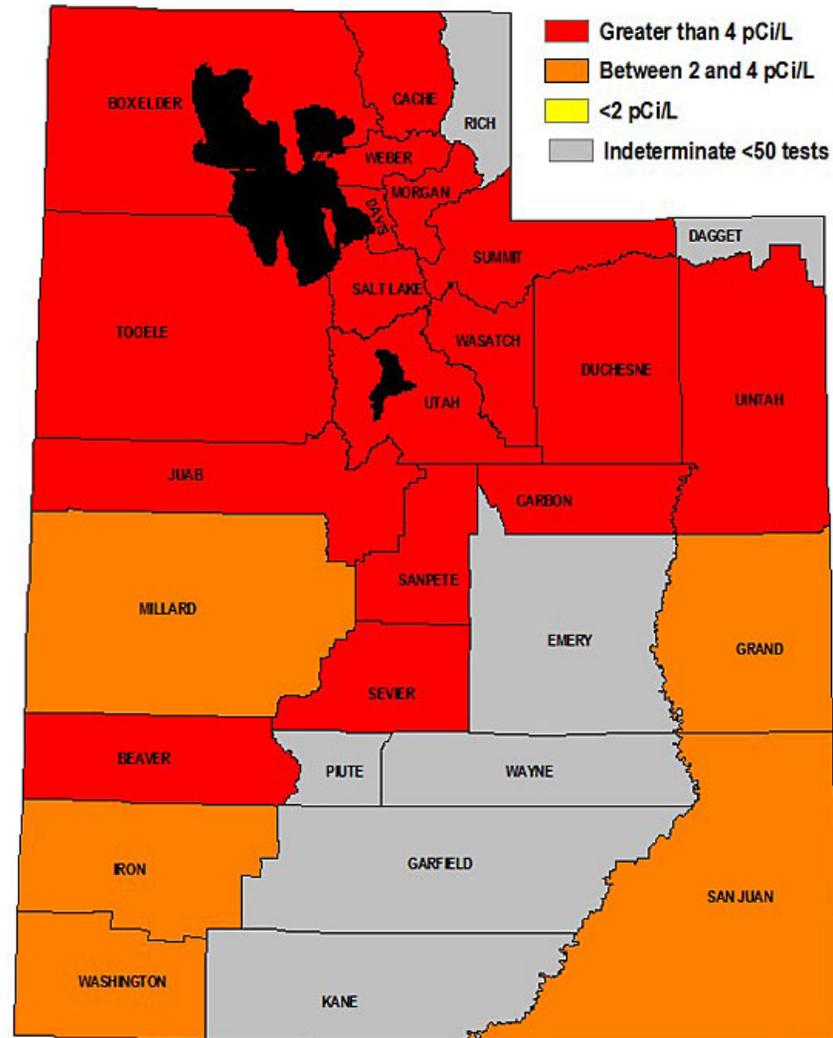
# Recycling and Proper Waste Disposal



# Low-level Radioactive Waste



# Indoor Radon



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# Operational Efficiencies

- Streamlined permitting process
- Electronic document management
- Pollution prevention through compliance assistance, outreach, and education
- Reduced costs for inspections
- Reduced outsourcing
- New X-Ray inspection equipment
- Tablet-based data entry
- Online fee payments





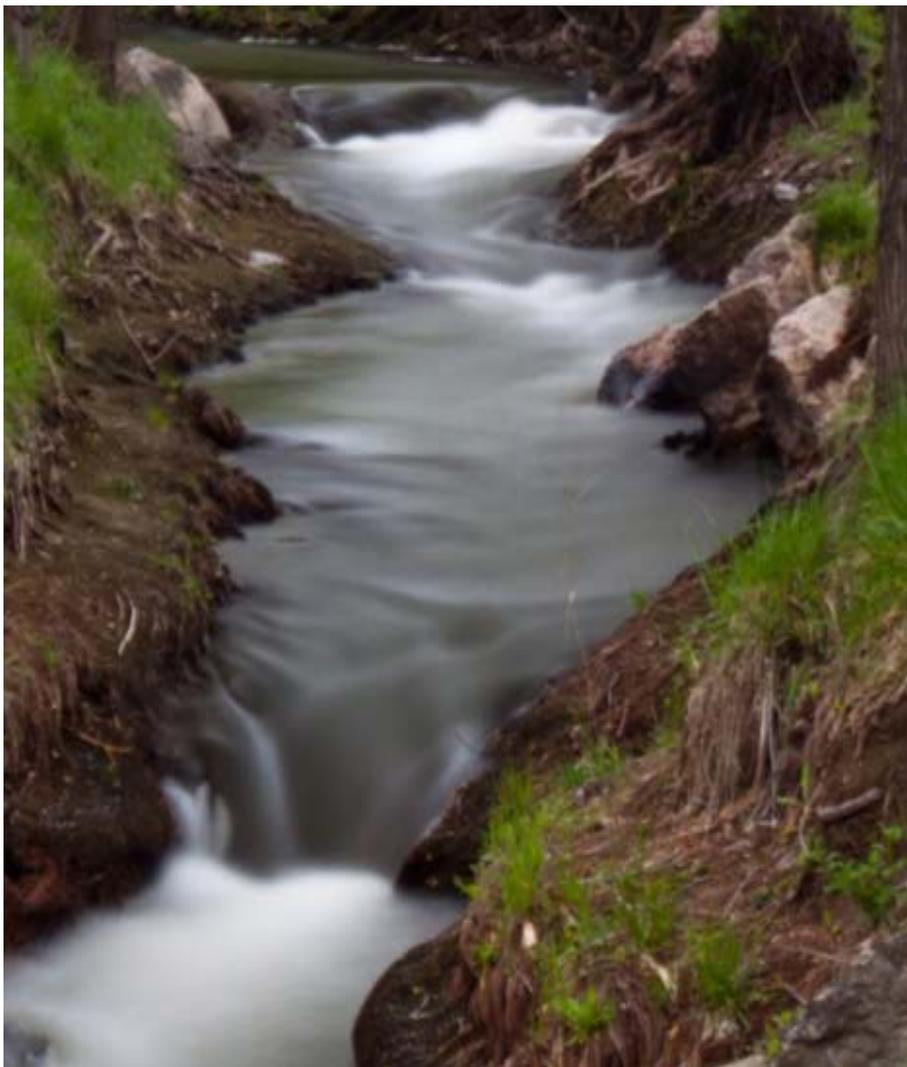
**DRINKING  
WATER**

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**DRINKING  
WATER**

# Source to Tap



# SUCCESS Framework



# Water System Support

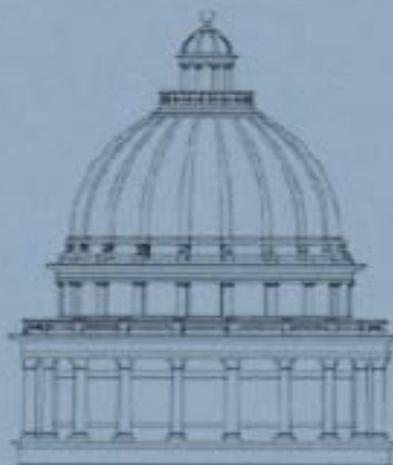


# Drinking Water Funding



# Water Use Study

REPORT TO THE  
UTAH LEGISLATURE  
Number 2014-13



**A Review of the Division of Drinking Water's  
Minimum Source Sizing Requirements**

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# Operational Efficiencies

- Online reports
- Electronic data entry from labs
- Streamlined engineering reviews
- Water system groupings for site inspections
- Tablet-based data collection for site inspections



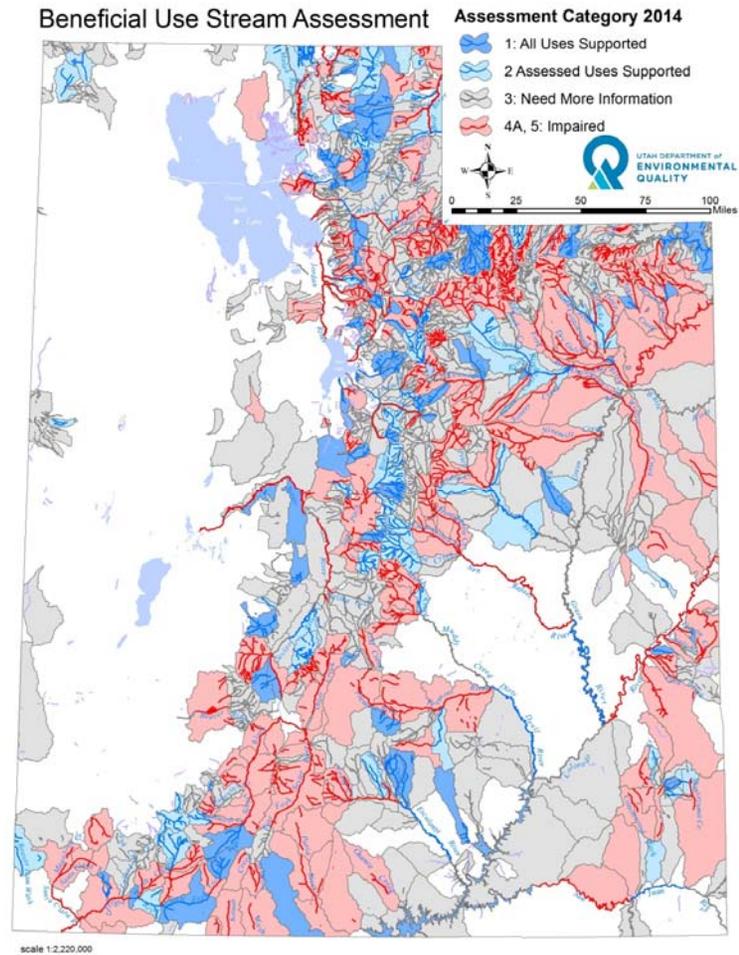
**WATER  
QUALITY**

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**WATER  
QUALITY**

# Utah's Impaired Waters



# Nutrient Pollution



# Spill Response



# Nonpoint Source Funding



# Compliance



# Water Quality Project Funding



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# Operational Efficiencies

- Online permitting
- Increased public access to documents
- Electronic Discharge Monitoring Reports (eDMRs)
- Spill response/Kaizen



**AIR  
QUALITY**

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**AIR  
QUALITY**

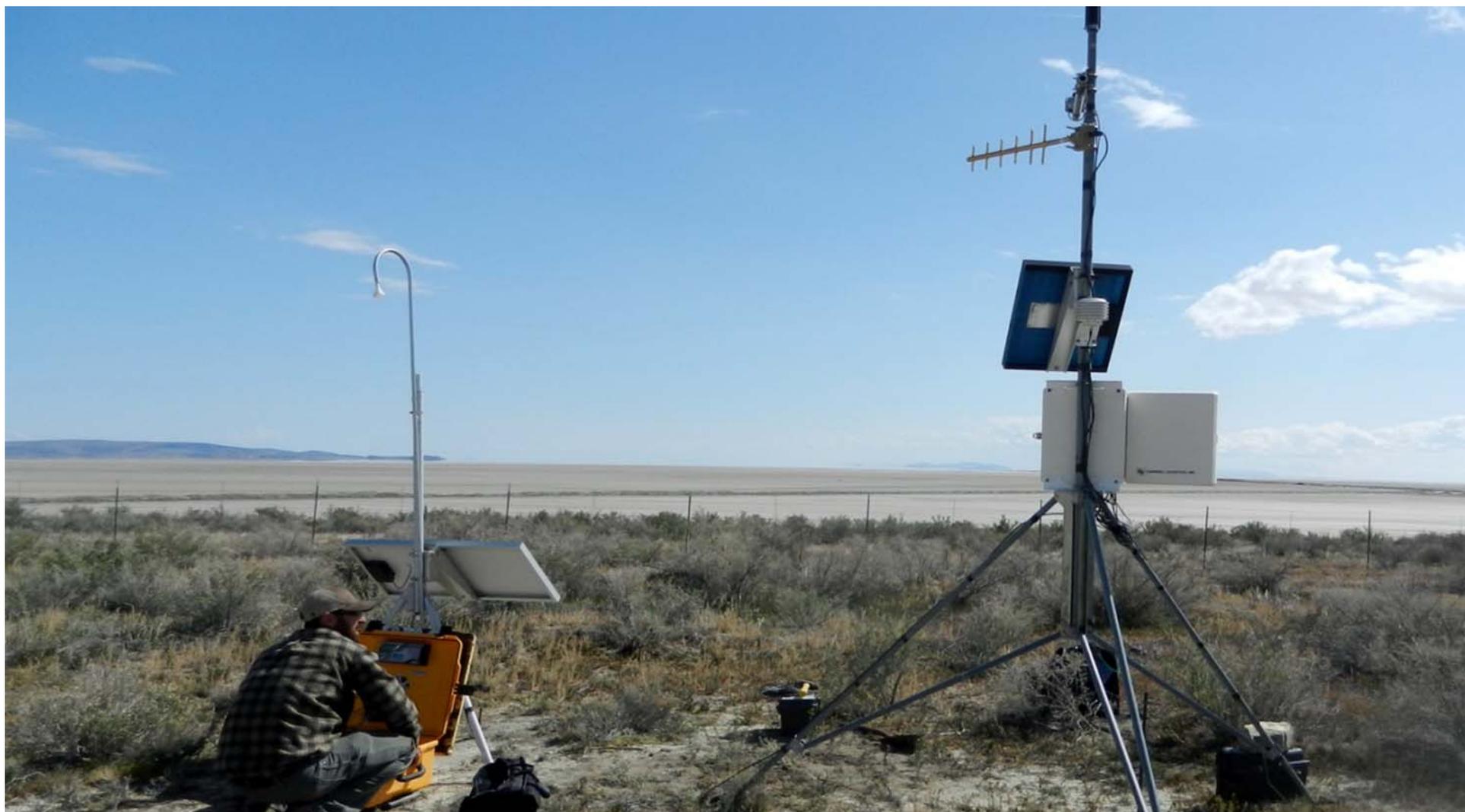
# State PM<sub>2.5</sub> Plan



# Air Monitoring



# Air Quality Research Projects

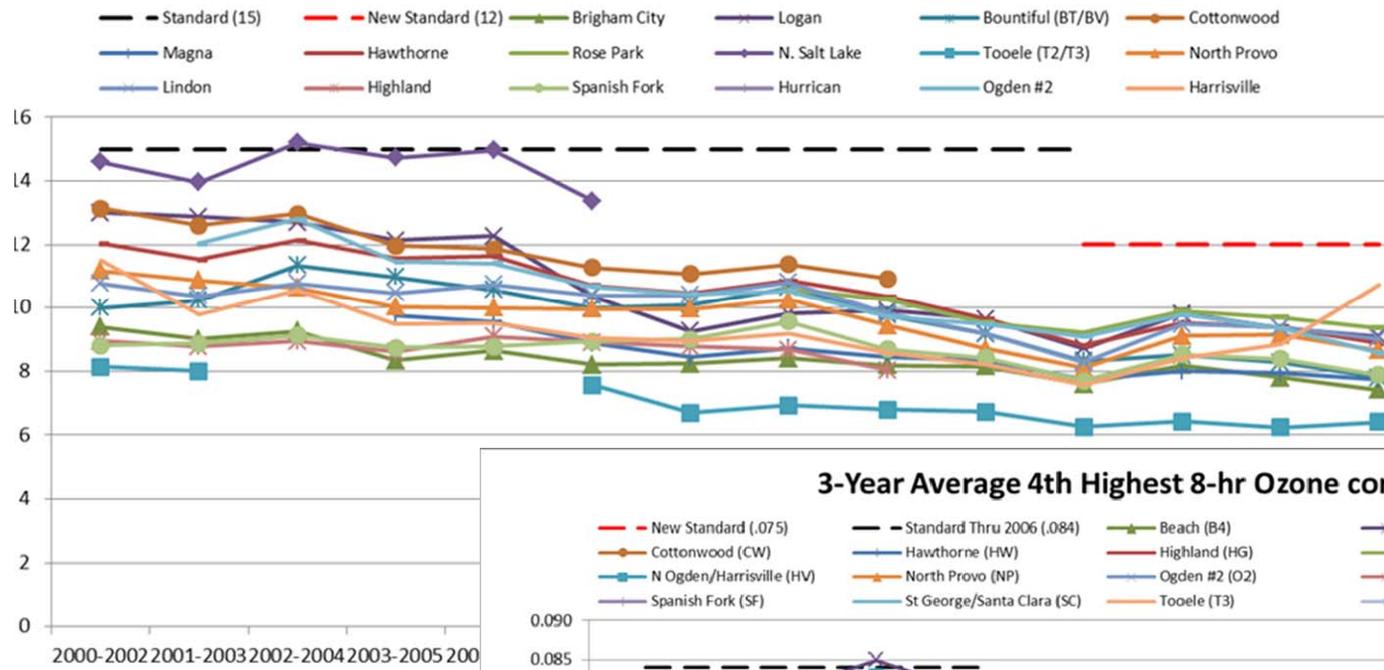


# CARROT Program

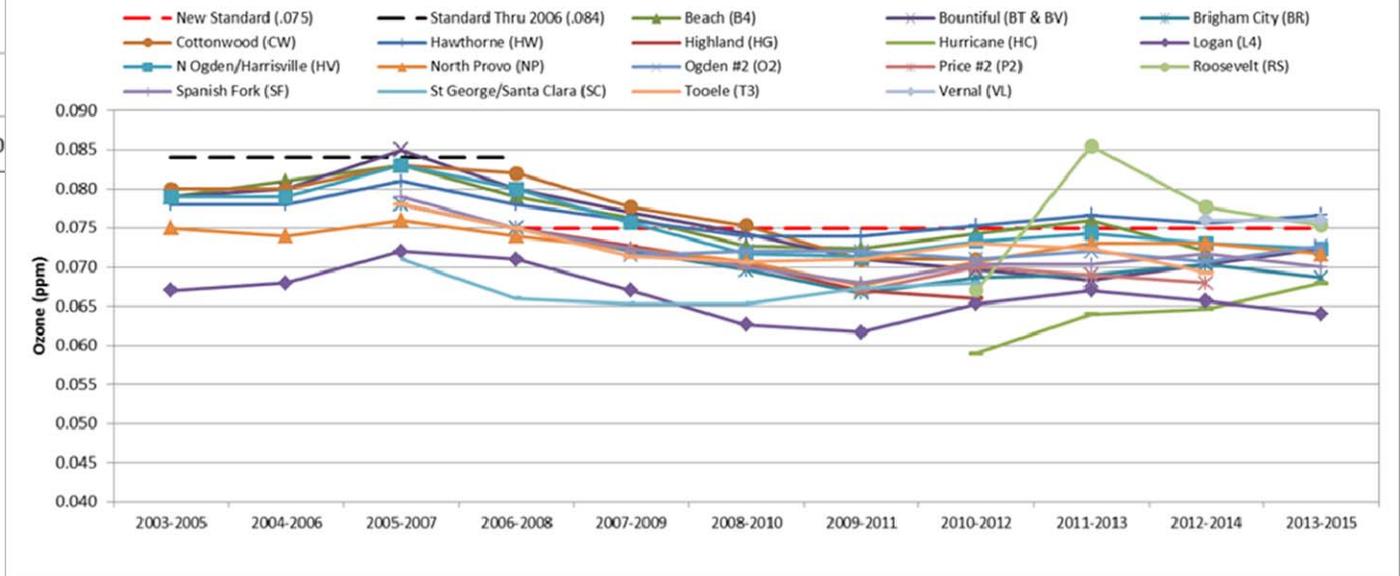


# Air Quality Improvements

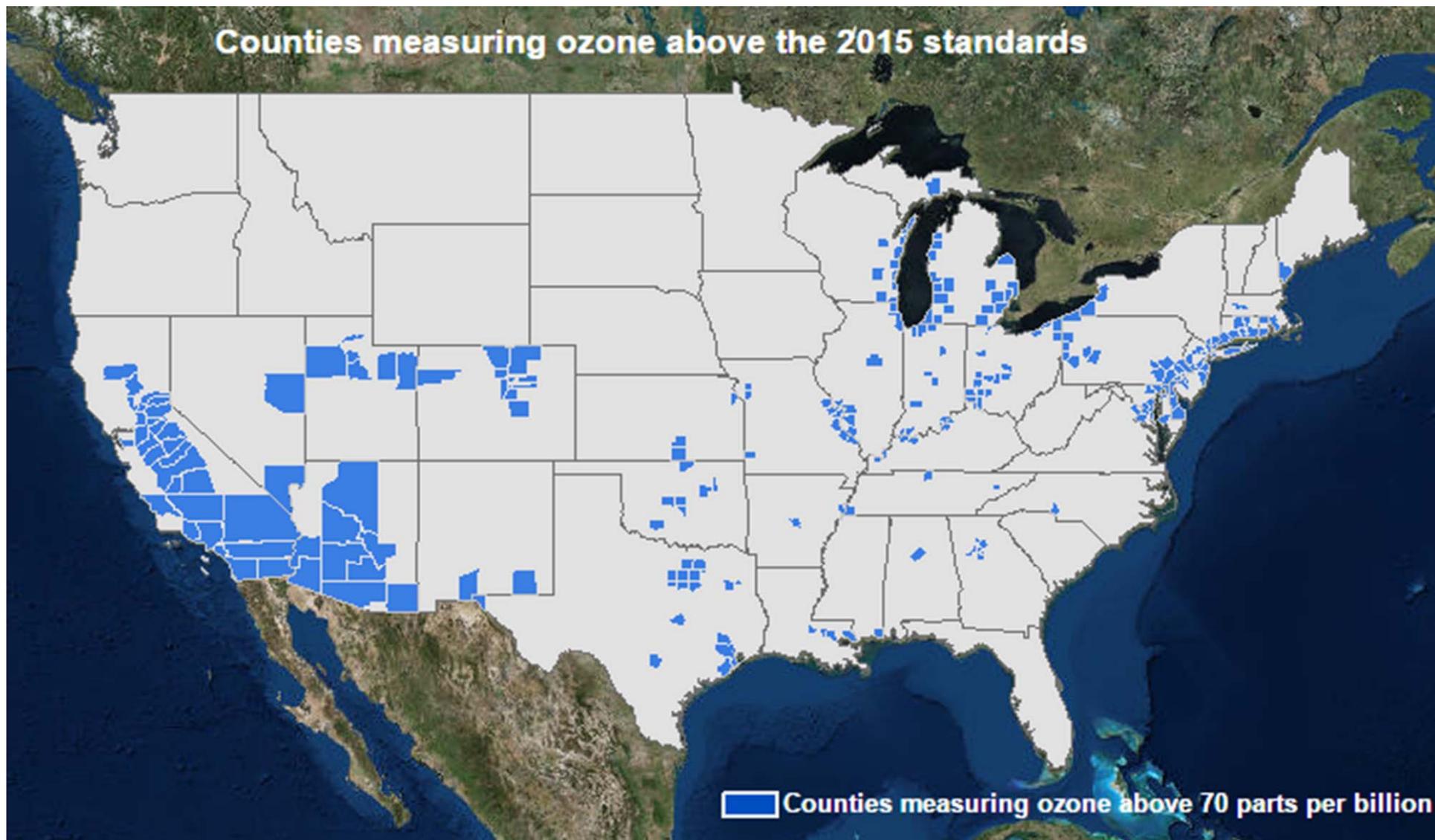
## PM2.5 3-Year Average of the Annual Mean Concentration



## 3-Year Average 4th Highest 8-hr Ozone concentration



# 2015 Revision to Ozone Standard



# Home and Business Emissions

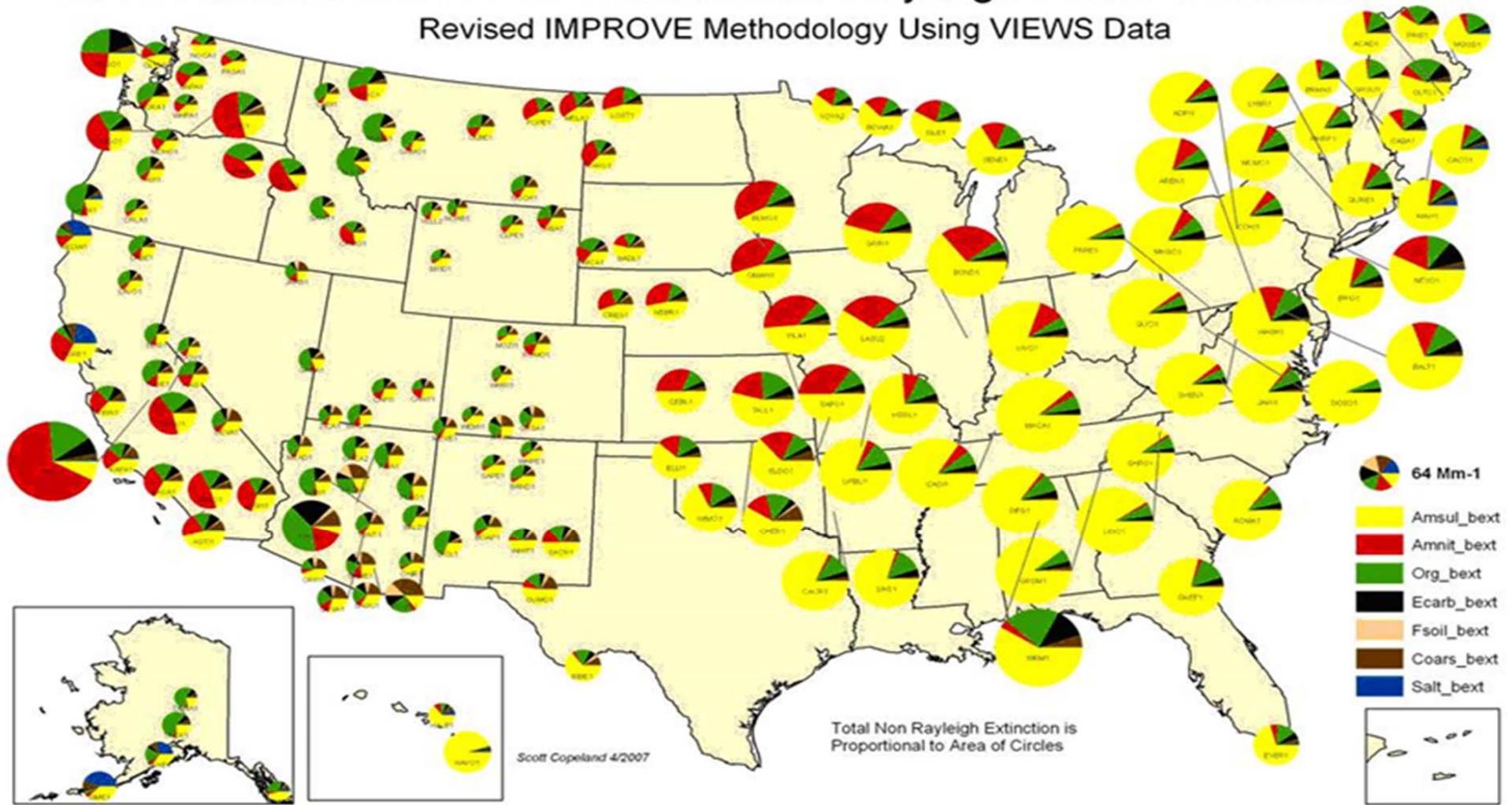


# Regional Haze



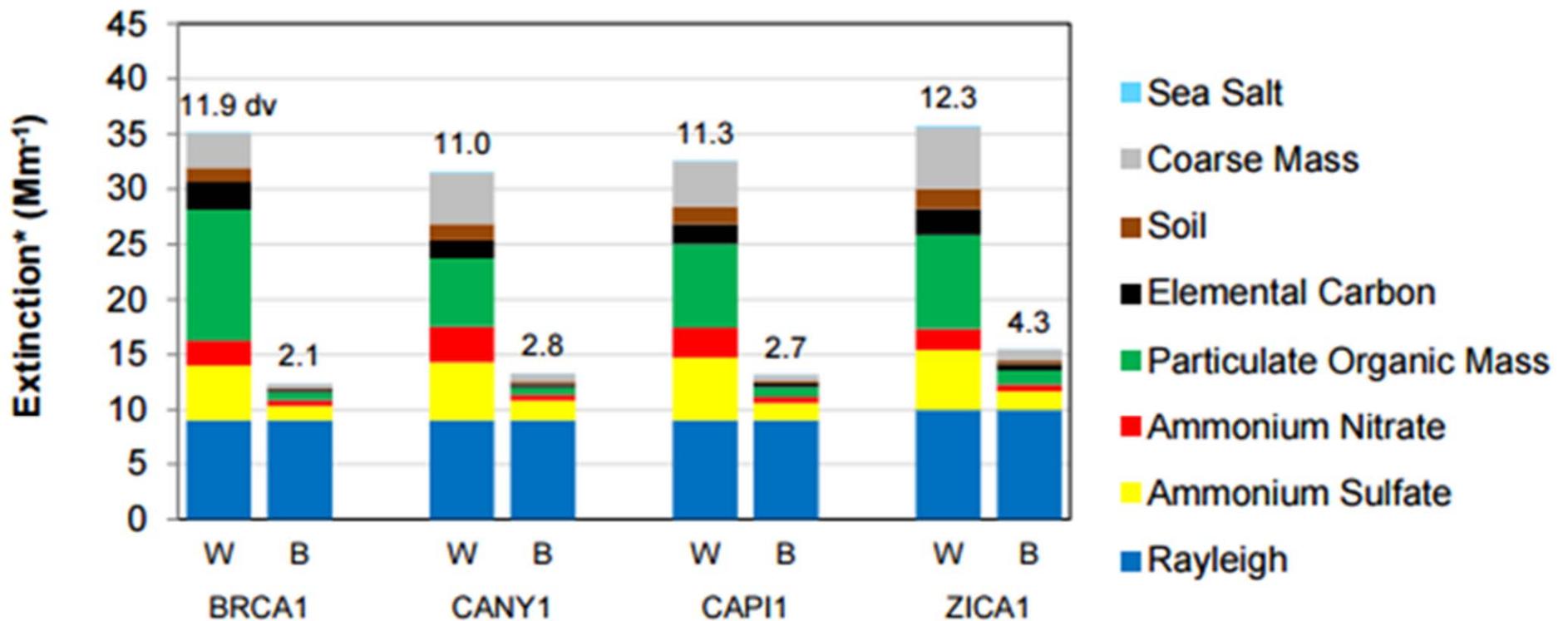
# Regional Haze

2005 Revised IMPROVE Annual Non-Rayleigh Mean of Haziest 20%  
Revised IMPROVE Methodology Using VIEWS Data



# Regional Haze

**First Progress Period (2005-2009)  
Average Extinction, 20% Worst (W) and Best (B) Days**



\*Visibility impairment in deciviews (dv) is shown above respective bars.



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# Operational Efficiencies

- Streamlined permitting process that accommodates a greater permitting workload with existing staff
- Data sharing between Division of Air Quality and Division of Oil, Gas, and Mining databases
- Availability of air quality permitting and compliance information on the DEQ Interactive Map
- GIS site location for compliance visits
- Tablet-based data entry

# For Our Future

