

# Department of Environmental Quality

## 2017-19 Governor's Recommended Budget

March 7- 9, 2017  
Ways and Means Subcommittee on  
Natural Resources

# DEQ Mission



To be a leader in restoring, maintaining and enhancing the quality of Oregon's air, land and water.

# DEQ Priorities

- Protect human health and the environment by controlling air emissions
- Protect human health and the environment by controlling water pollution
- Reduce the environmental impacts of materials and products
- Clean up contaminated properties and return them to productive use
- Engage the public in environmental decision-making by providing clear and accurate information
- Assist communities in achieving sustainable economies

# DEQ History

## 1960 to 1970s

- Clean Air Act
- DEQ formed
- Bottle bill
- Solid waste disposal permits
- Air Contaminant Discharge Permit program
- Clean Water Act
- Vehicle inspection begins in Portland

## 1980s

- Oregon Toxics Use and Hazardous Waste Reduction Act
- Oregon woodstove certification program
- Underground Storage Tank program
- Oregon Cleanup program
- Oregon Groundwater Protection Act

## 1990s

- Title V permitting
- Oregon Recycling Act
- Source water protection
- Permits issued for Umatilla Depot chemical agent destruction
- Oil spill planning
- Oregon Plan for Salmon and Watersheds

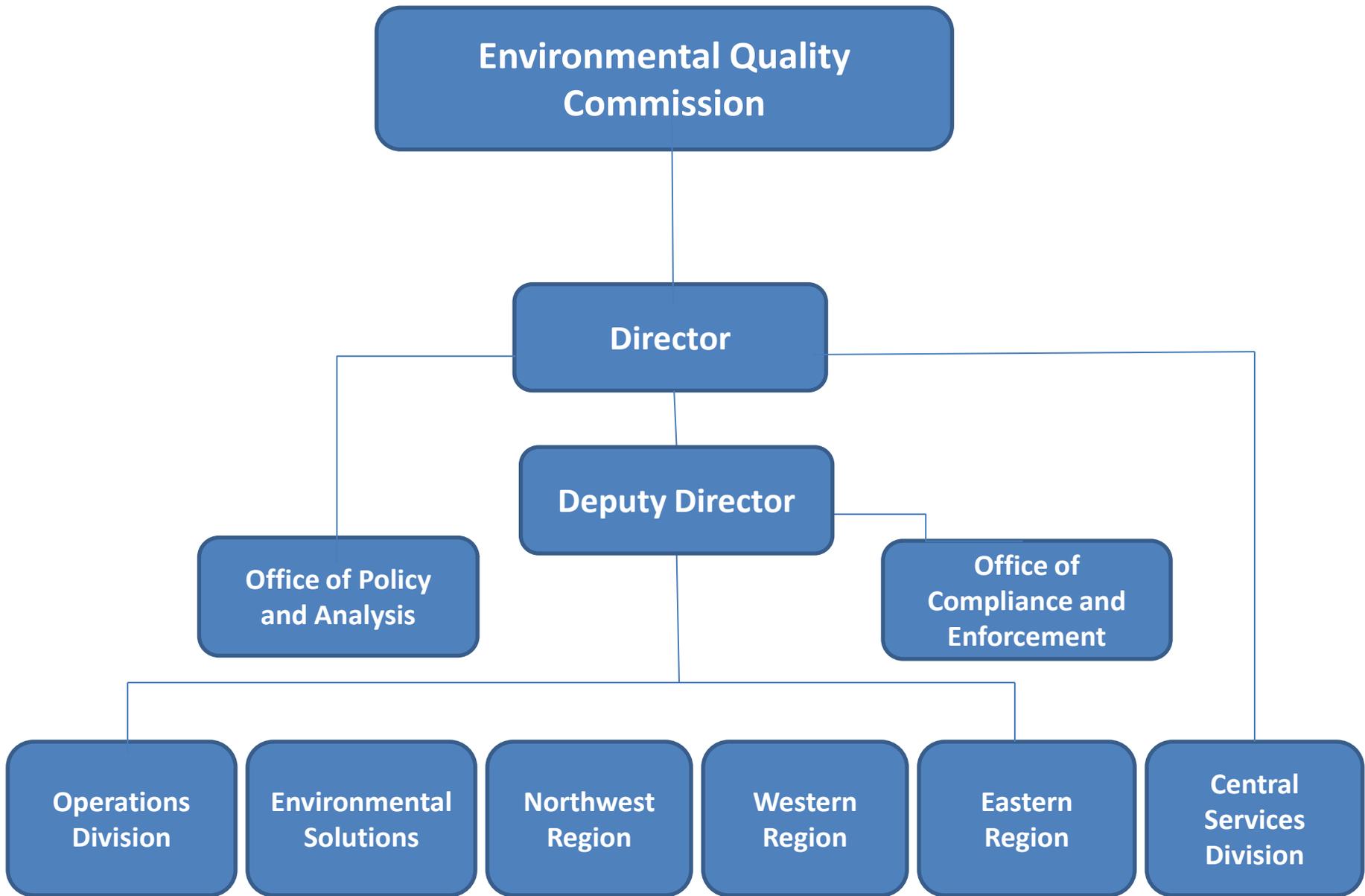
# DEQ History

## 2000 to 2009

- Clean Water Plans
- Pesticide Stewardship Partnerships
- Air Quality attainment
- Low emission vehicle program
- Greenhouse gas reporting

## 2010 to present

- Regional Solutions Team
- Toxics Reduction Strategy
- Outcome-based Management
- Completed Umatilla Depot cleanup
- Clean Fuels
- Materials Management 2050 Vision
- Water quality permit program reform
- Clean Diesel
- Cleaner Air Oregon



# Environmental Solutions Division

Air Quality  
Technical  
Services

Air Quality  
Planning

Water  
Quality  
Standards &  
Assessment

Watershed  
Management

Materials  
Management

DEQ Lab

# Operations Division

Air Quality  
Program  
Operations

Vehicle  
Inspection  
Program

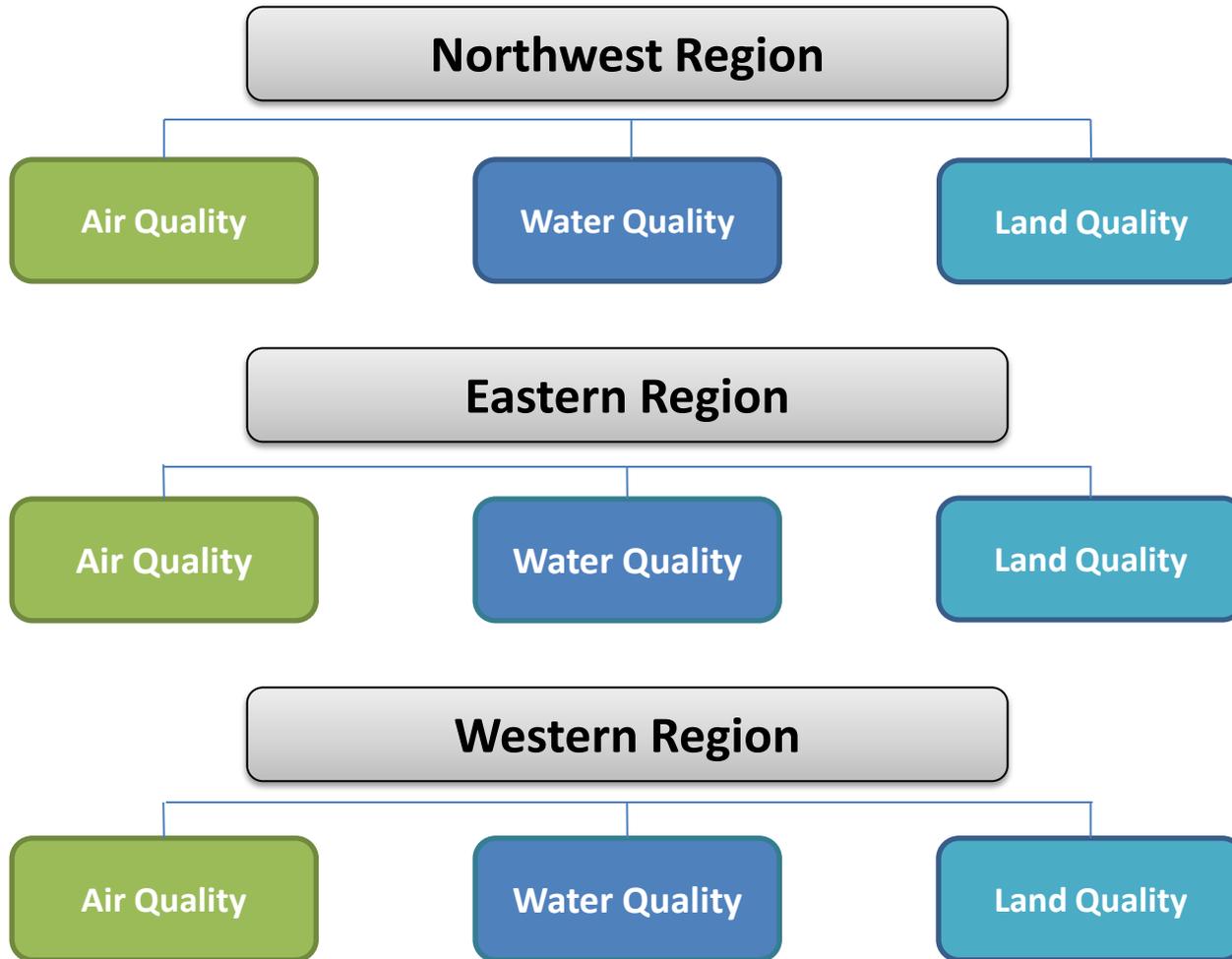
Surface  
Water  
Management

Community  
& Program  
Assistance

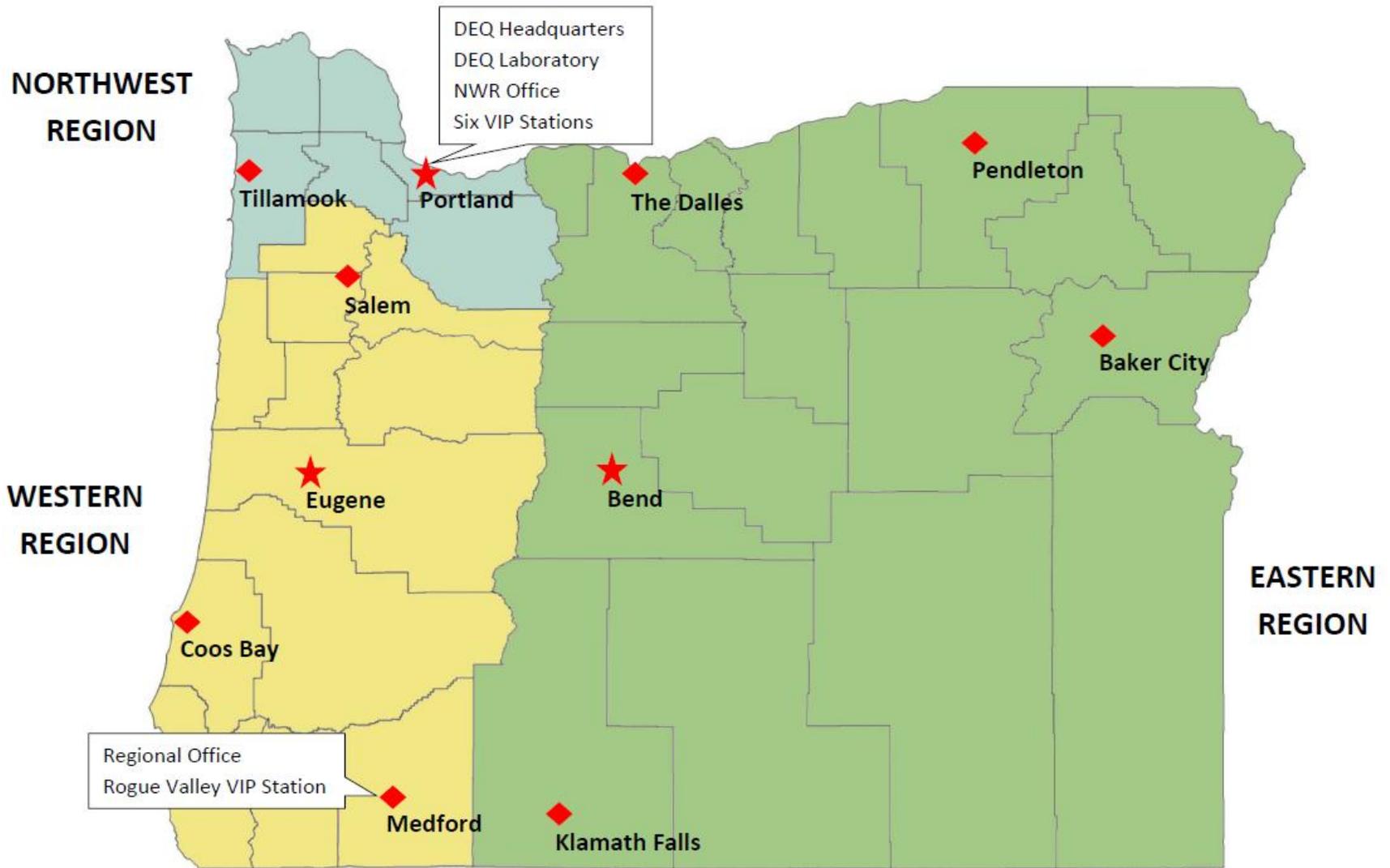
Cleanup &  
Emergency  
Response

Hazardous  
Waste &  
Tanks

# DEQ Regions



# DEQ Offices



# DEQ's Work



# How We Accomplish Our Goals

- Transparent work and decisions
- Holistic, efficient approach to environmental solutions
- Collaboration and partnerships
- Community engagement
- Outcome-based management

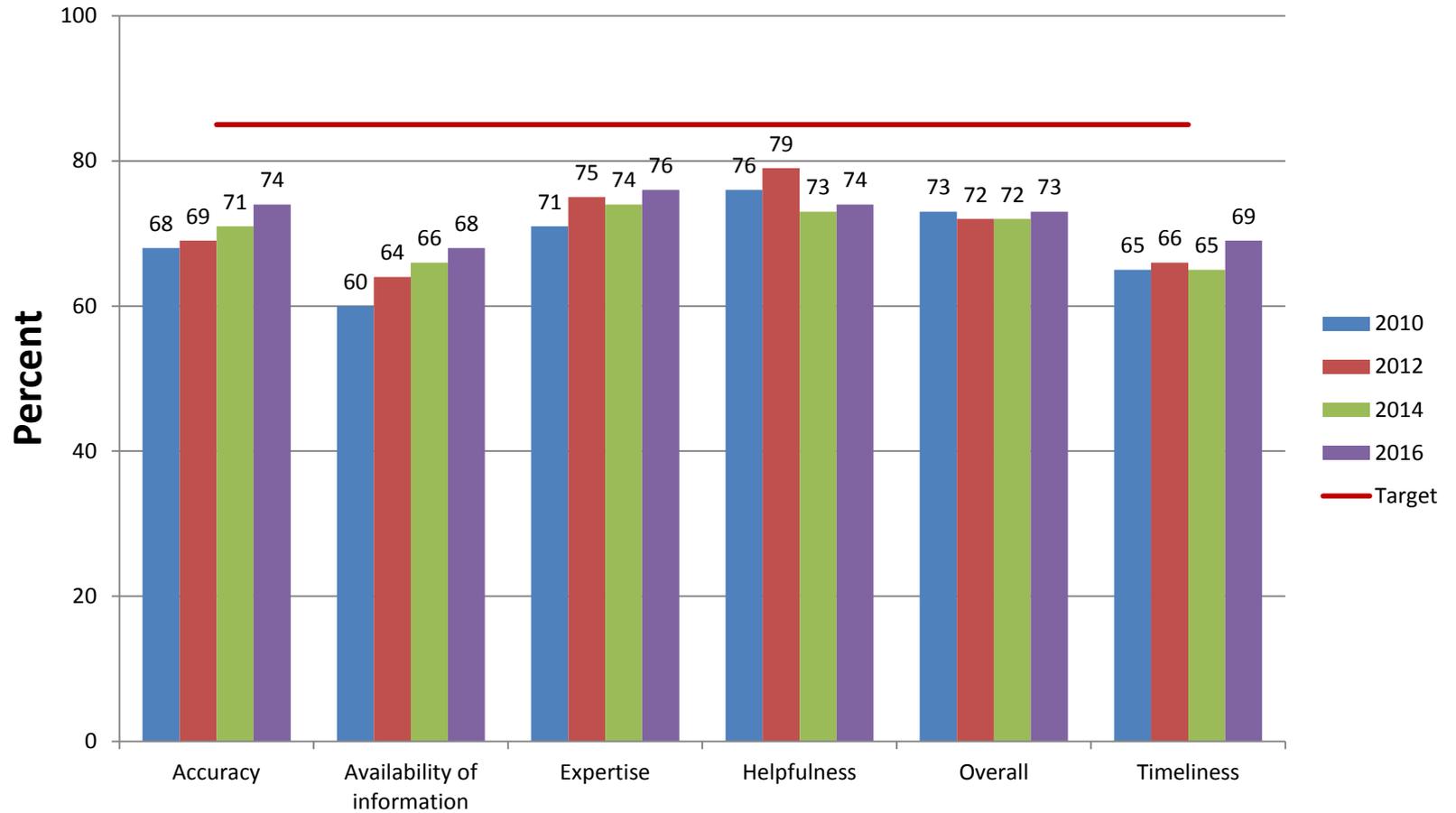
# Agency Management



DEQ process improvement event

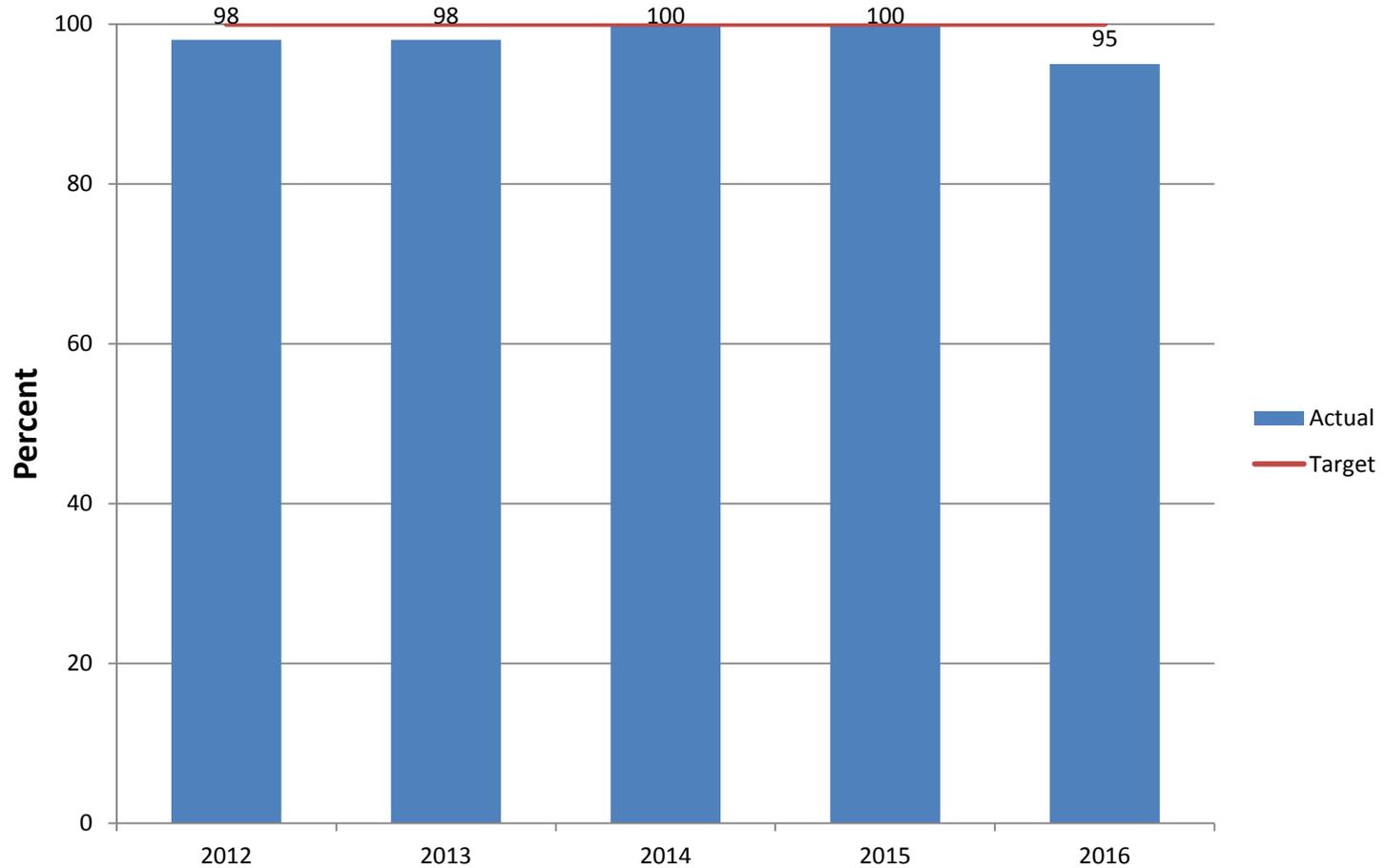
# KPM 1

Customer satisfaction ratings for air and water permittees and onsite septic customers



# KPM 13

Percent of total best practices met by the Environmental Quality Commission



# Package 161: Environmental Data Management System

Bonding Limitation						
		GF	OF	Total	Positions	FTE
Agency Management	Issue Bonds		7,685,000			
	Debt Service	1,086,701				
		GF	OF	Total	Positions	FTE
<b>All programs</b>		<b>350,748</b>	<b>6,143,990</b>	<b>6,494,738</b>	<b>19.00</b>	<b>13.50</b>
<b>Balance remaining Bond Limit</b>						<b>1,190,262</b>

- Replaces multiple manual tasks within the permitting process to increase timeliness
- Increase security and ensure business continuity by replacing aging infrastructure and outdated software
- Responds to independent Water Quality Report
- Electronic portal for all stakeholders
  - Public portal for direct access to available info
  - Customer portal for business interactions
  - Agency portal for internal process management
- Resolves federal compliance issues related to electronic reporting





# Laboratory and Environmental Assessment Program (LEAP)

DEQ's laboratory monitors the quality of Oregon's  
air, land and water statewide



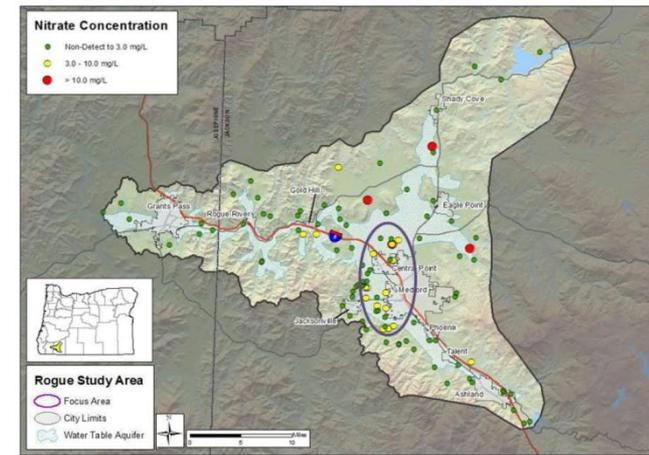
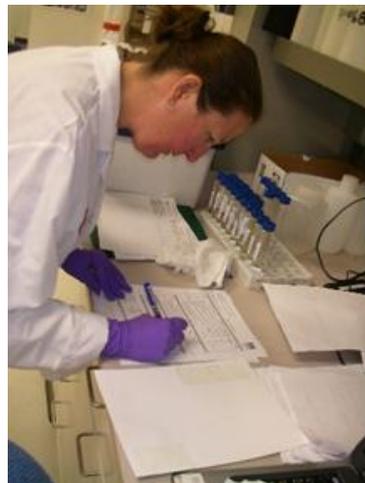
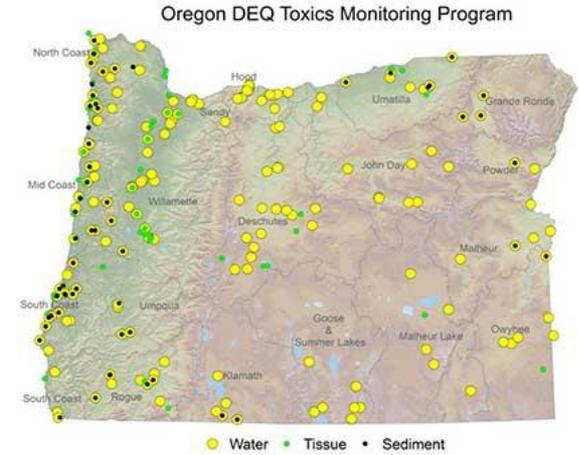
# Air and Water Quality Monitoring



# Analysis



# Assessment and Reporting

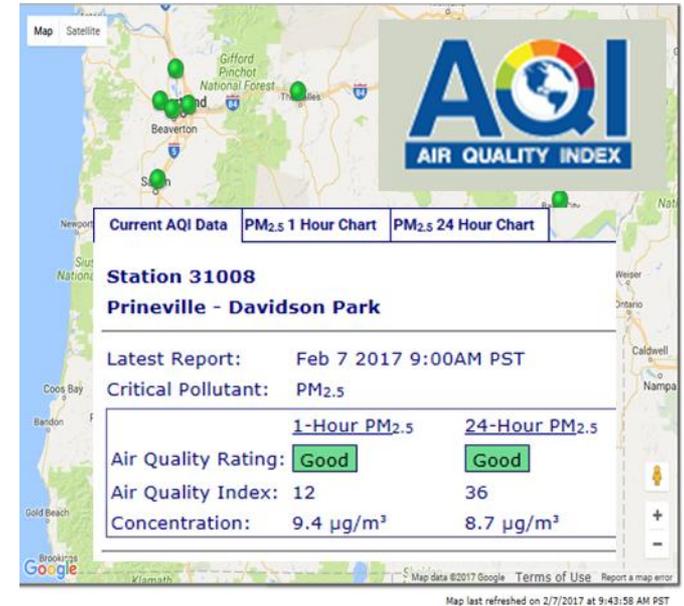


# From the field to the public

## Communicating DEQ's science

State of Oregon Department of Environmental Quality  
**OWQI Basin Summary**

Station	Location Description	Land Use	Water Year Range	OWQI Score	OWQI Status	OWQI Trend and Magnitude	10 Year OWQI Trend - Includes data from 1981-2015	Sub-Index Status and Trend							
								Temp	pH	DO	BOD	TS	N	P	Bact
<b>COLUMBIA BASIN</b>															
10616	Columbia R at Marker 47 (us Willamette)	Urban	2006-15	86	Good	NT		↑	↓	↓	↓	↓	↓	↓	
<b>SANDY BASIN</b>															
10674	Sandy R at Troutdale Bridge	Mixed	2006-15	85	Good	NT		↑	↑	↑	↑	↑	↑	↑	
<b>LOWER WILLAMETTE BASIN</b>															
10480	Beaverton Creek at 216th (Orengo)	Urban	2006-15	46	Very Poor	NT		↓	↓	↓	↓	↓	↓	↓	
11233	Clackamas R at High Rocks	Urban	2006-15	91	Excellent	NT		↑	↑	↑	↑	↑	↑	↑	
13070	Clackamas R at McIver Park (Upper Boat Ramp)	Mixed	2006-15	93	Excellent	NT		↑	↑	↑	↑	↑	↑	↑	
14008	Clackamas R at Memaloose Rd	Forest	2006-15	94	Excellent	NT		↑	↓	↓	↓	↓	↓	↓	
11201	Columbia Slough at Landfill Rd	Urban	2006-15	47	Very Poor	NT		↓	↓	↓	↓	↓	↓	↓	
10469	Fanno Creek at Bonita Rd (Tigard)	Urban	2006-15	58	Very Poor	↑ 3.3		↑	↑	↑	↑	↑	↑	↑	
11321	Johnson Creek at SE 17th Ave. (Portland)	Urban	2006-15	33	Very Poor	↑ 1.1		↑	↑	↑	↑	↑	↑	↑	
10801	Swan Island Channel (Willamette R)	Urban	2006-15	73	Poor	NT		↑	↑	↑	↑	↑	↑	↑	
10456	Tualatin R at Boones Ferry Rd	Urban	2006-15	37	Very Poor	NT		↑	↑	↓	↓	↓	↓	↓	
10458	Tualatin R at Elsner Rd	Agriculture	2006-15	45	Very Poor	NT		↑	↑	↓	↓	↓	↓	↓	
10459	Tualatin R at HWY 210 (Scholls)	Agriculture	2006-15	41	Very Poor	NT		↑	↑	↓	↓	↓	↓	↓	
10461	Tualatin R at Rood Bridge	Agriculture	2006-15	81	Fair	NT		↑	↑	↓	↓	↓	↓	↓	
10611	Willamette R at Hawthorne Bridge	Urban	2006-15	83	Fair	NT		↑	↑	↓	↓	↓	↓	↓	
10332	Willamette R at SP&S RR Bridge (Portland)	Urban	2006-15	82	Fair	NT		↑	↑	↓	↓	↓	↓	↓	
<b>MIDDLE WILLAMETTE BASIN</b>															
36875	Luckiamute River at Buena Vista Rd	Agriculture	2012-15	87	Good	NA	Insufficient Data	↑	↑	↑	↑	↑	↑	↑	
10637	Mollala R at Canby	Agriculture	2006-15	88	Good	↑ 2.9		↑	↑	↓	↓	↓	↓	↓	



# DEQ Laboratory by the numbers

- Monitored some type of water condition at more than **1,100** locations throughout the state in 2016.
  - This is approximately 1 sample per 100 stream miles
- Operates approximately **45** air monitoring stations throughout Oregon.
  - This is approximately 1 monitoring location for every 2,200 square miles
- Collected approximately **13,000** samples of air and water in 2016.

# DEQ programs



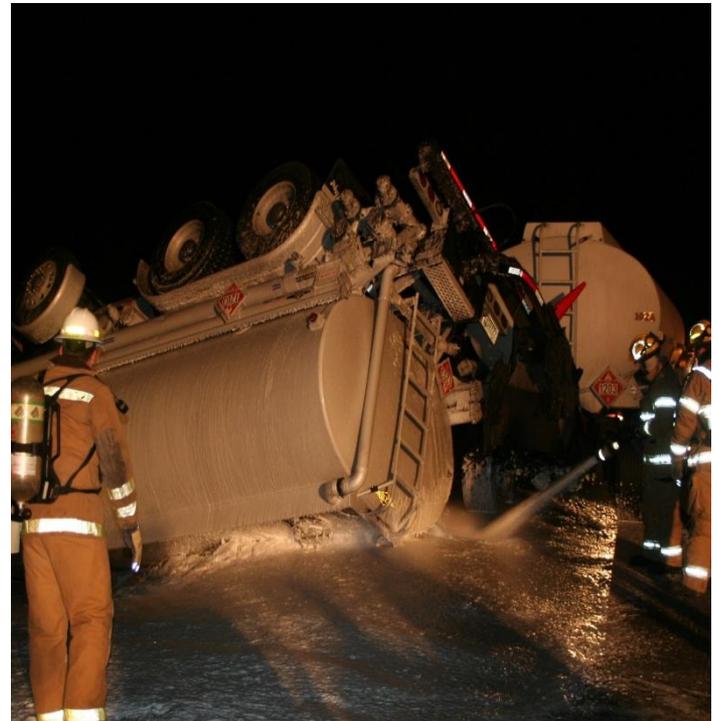
# Land Quality



Ensure healthy places where Oregonians live, work and play

# Land Quality Programs

- Emergency Preparedness and Spills
- Underground Storage Tanks
- Ballast Water
- Materials Management
- Hazardous Waste
- Environmental Cleanup



# Land Quality by the numbers

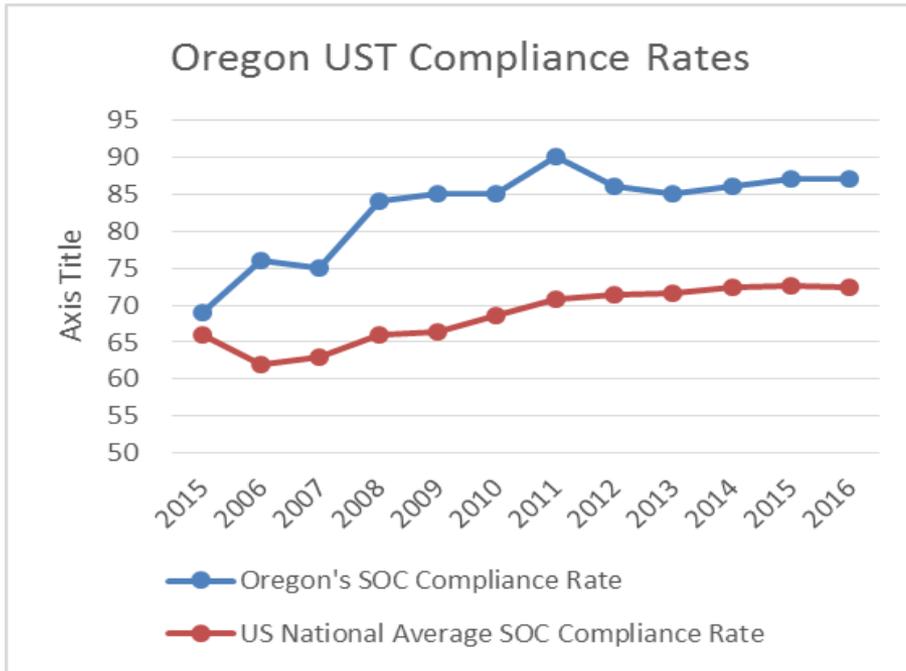
- Permit **336** Solid Waste and Hazardous Waste facilities in 2016
- Overseen cleanup of:
  - **6,500** leaking underground storage tanks since 1988
  - **27,000** leaking home heating oil tanks since 2000
  - **1,400** contaminated sites since 1991
- Awarded **\$1.8 million** in grants for Materials Management projects
- Responded to **1,519** spills in 2016
- Conducted **1,088** ship and facility inspections in 2016

# Respond to spills



**Mosier, Oregon: June 2016**

# Underground Storage Tank Program



Oregon's Underground Storage Tank program successfully helps local gas stations and other tank owners comply with state and federal regulations.

# Package 132: Maintain Underground Storage Tanks Inspections

Program	Package Type	FUND	Amount	Pos	FTE
Land	Service Continuation	OF	629,324	3	3.00



HB 2268 supports the funding need for this package

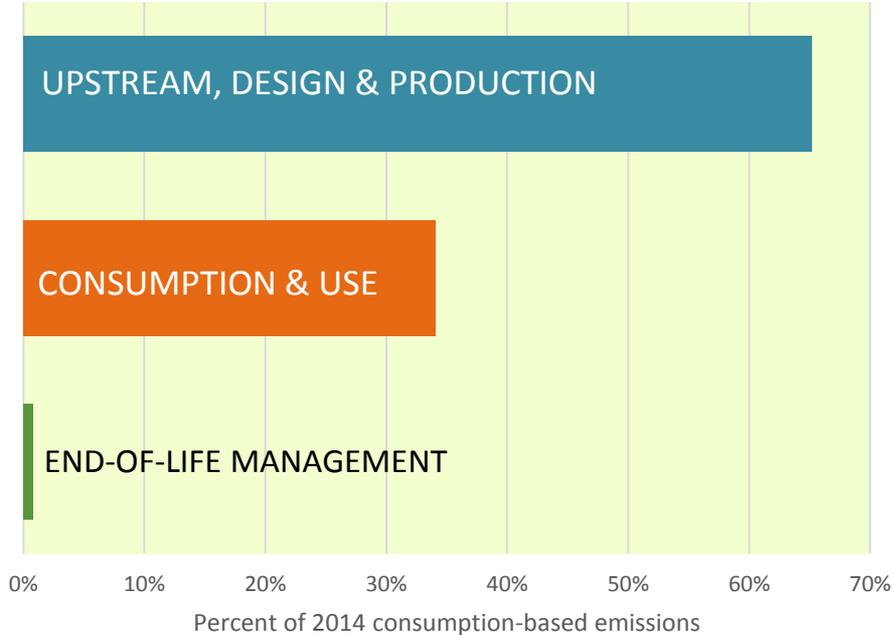
- Last fee increase was in 2007
- Cannot support 40% of inspectors

# Materials Management

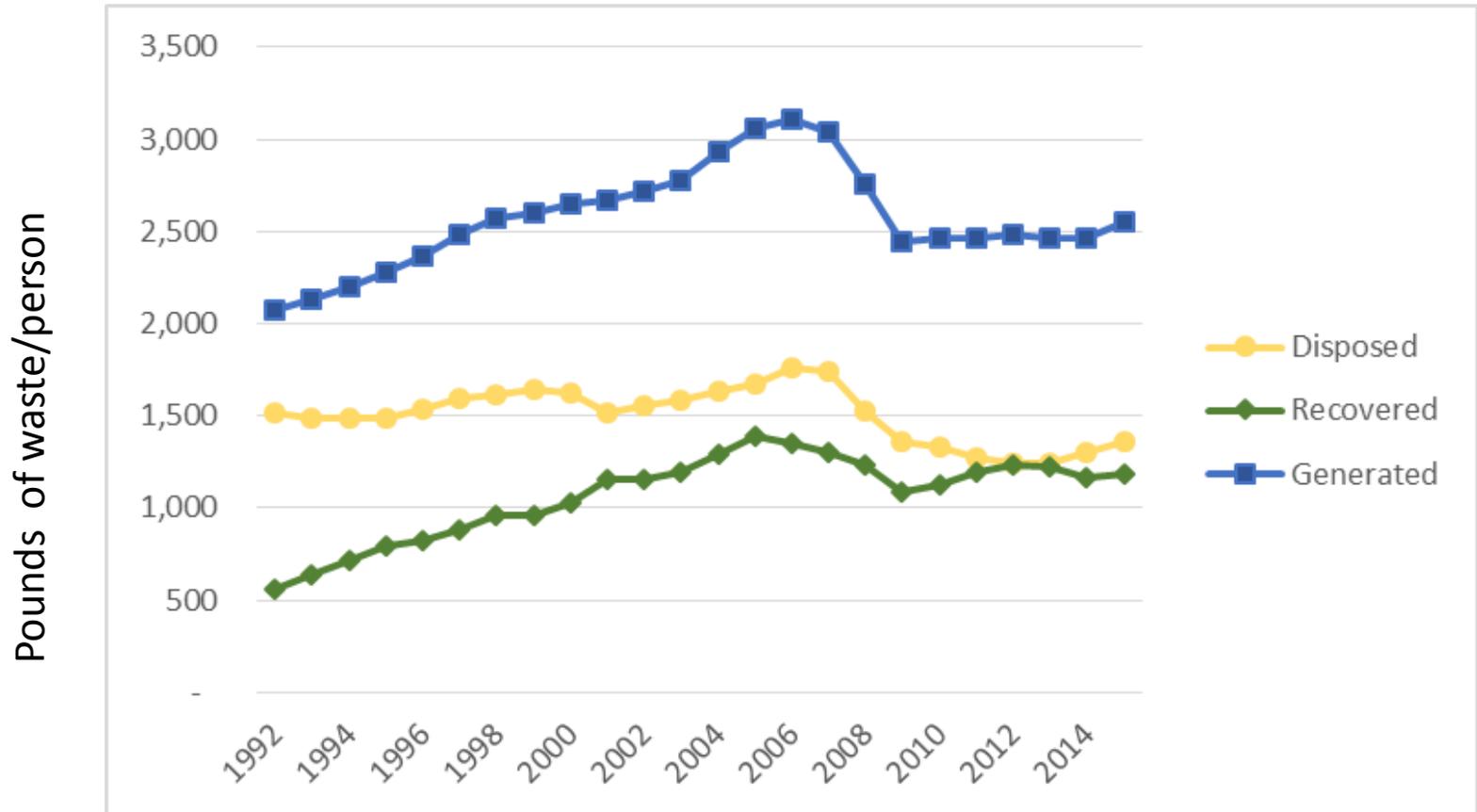
## A Life Cycle View of Environmental Impacts



Oregon's consumption-based GHG emissions by materials life cycle stage

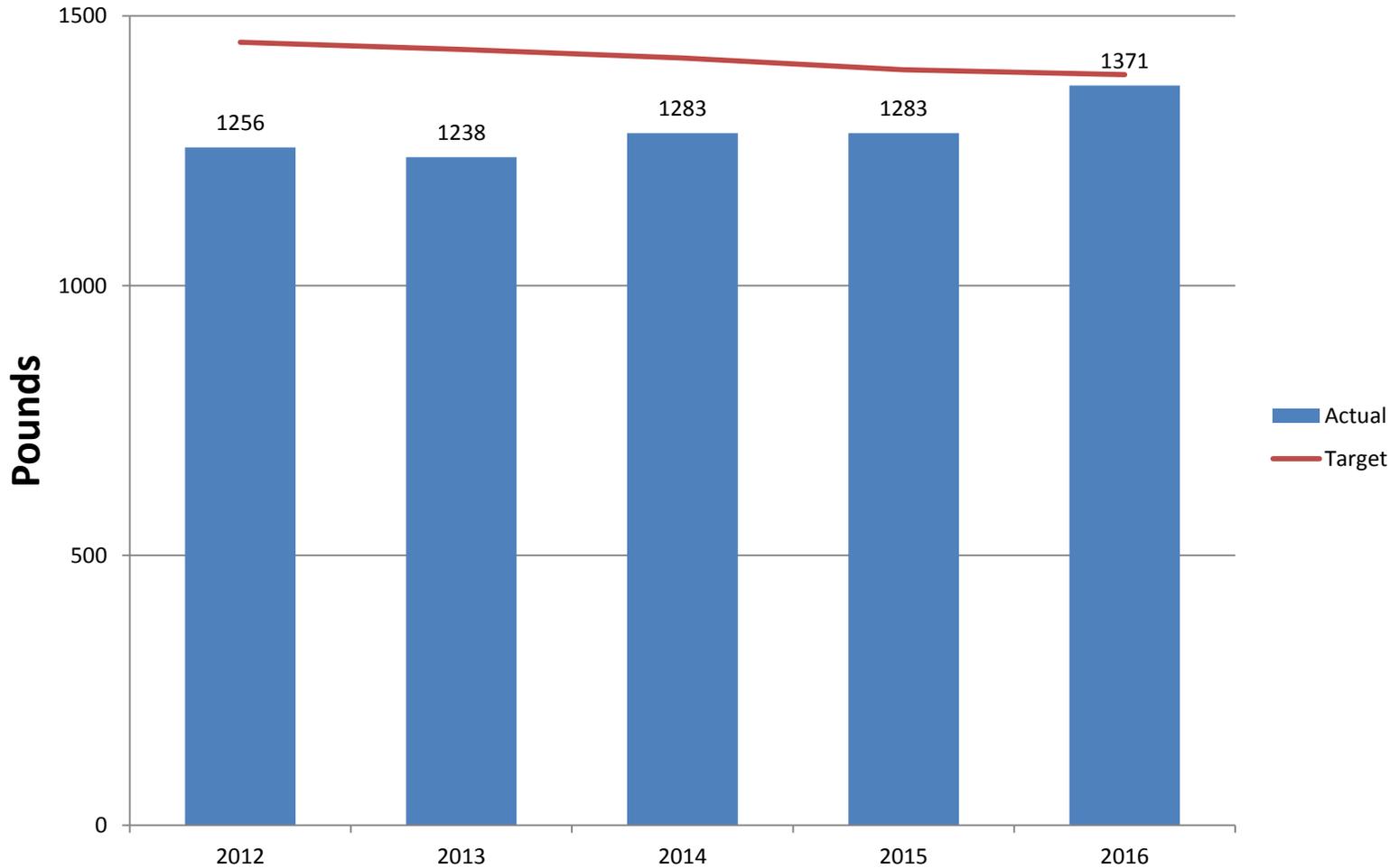


# Materials Management Trends



# KPM 6

Pounds of municipal solid waste landfilled or incinerated per capita



# KPM 6: Proposed Changes

**Delete KPM 6:** Pounds of solid waste landfilled or incinerated

**Replace with two new measures:**

- Tons of solid waste generated
- Percent of solid waste recovered

# Package 131: Implement Materials Management 2050 Vision

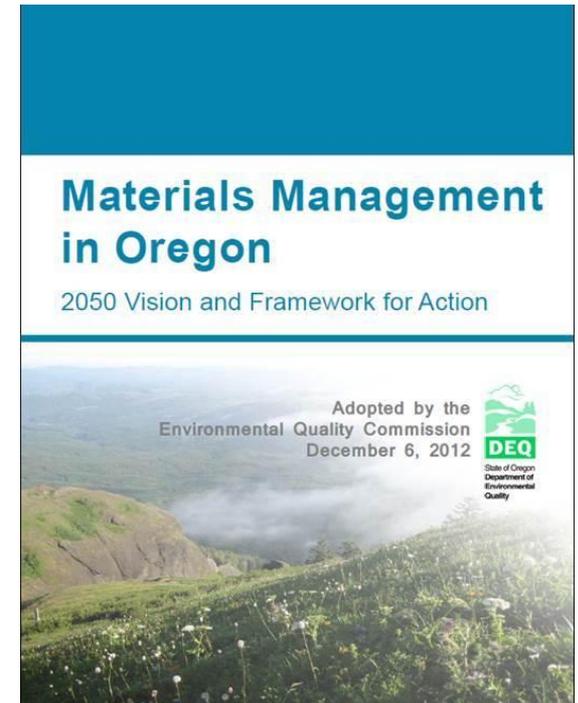
Program	Package Type	FUND	Amount	Pos	FTE
Land	New Work	OF	2,490,130	5	4.25

Continue and expand implementation of the *2050 Vision for Materials Management in Oregon*

- Fees pay for this work

DEQ will be able to:

- Work with businesses on voluntary initiatives
- Partner with local governments and industry
- Reach out to public and stakeholders



# Ballast Water Management



Ballast water discharge

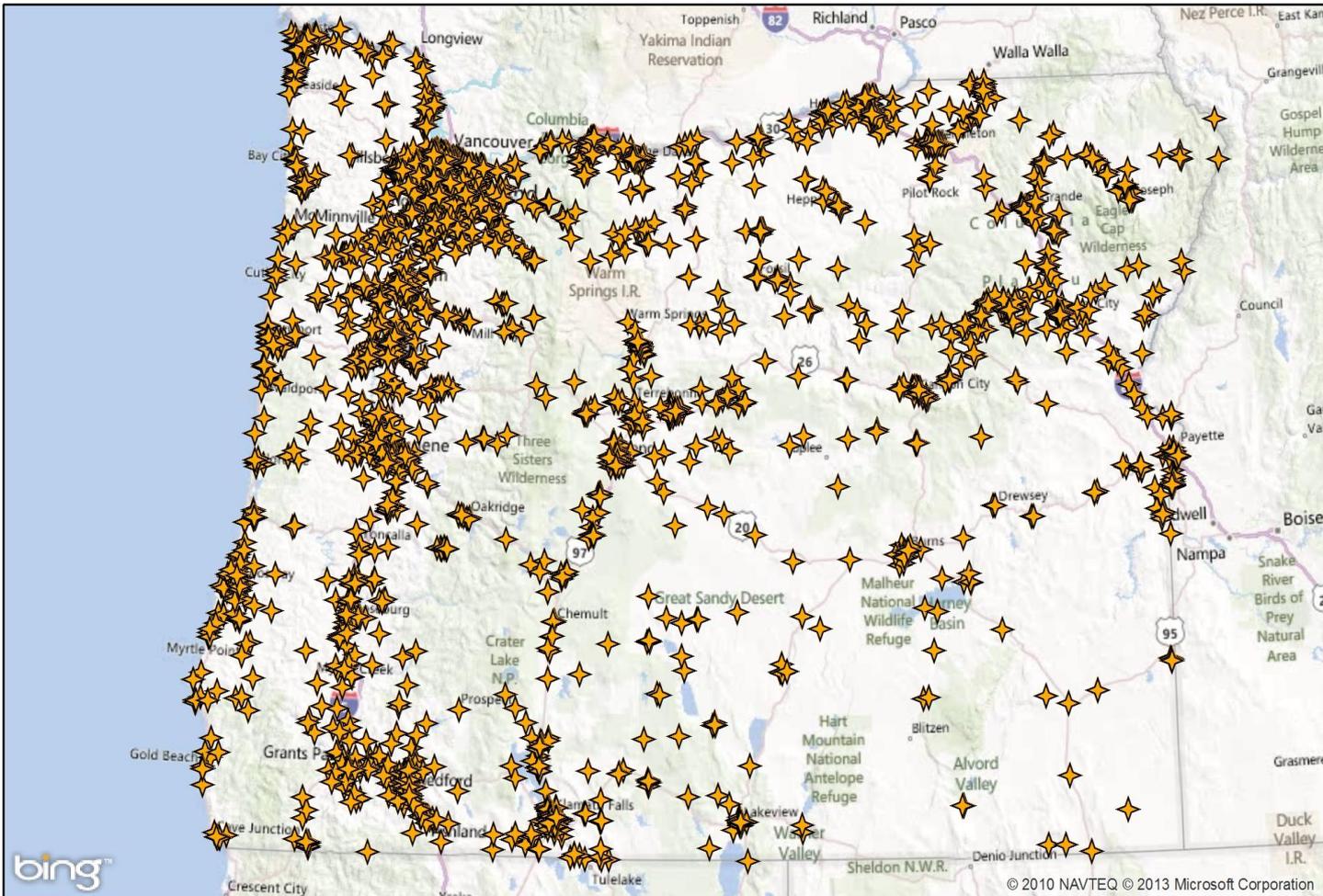
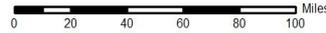


Aquatic invertebrate  
hitchhikers

# Environmental Cleanup

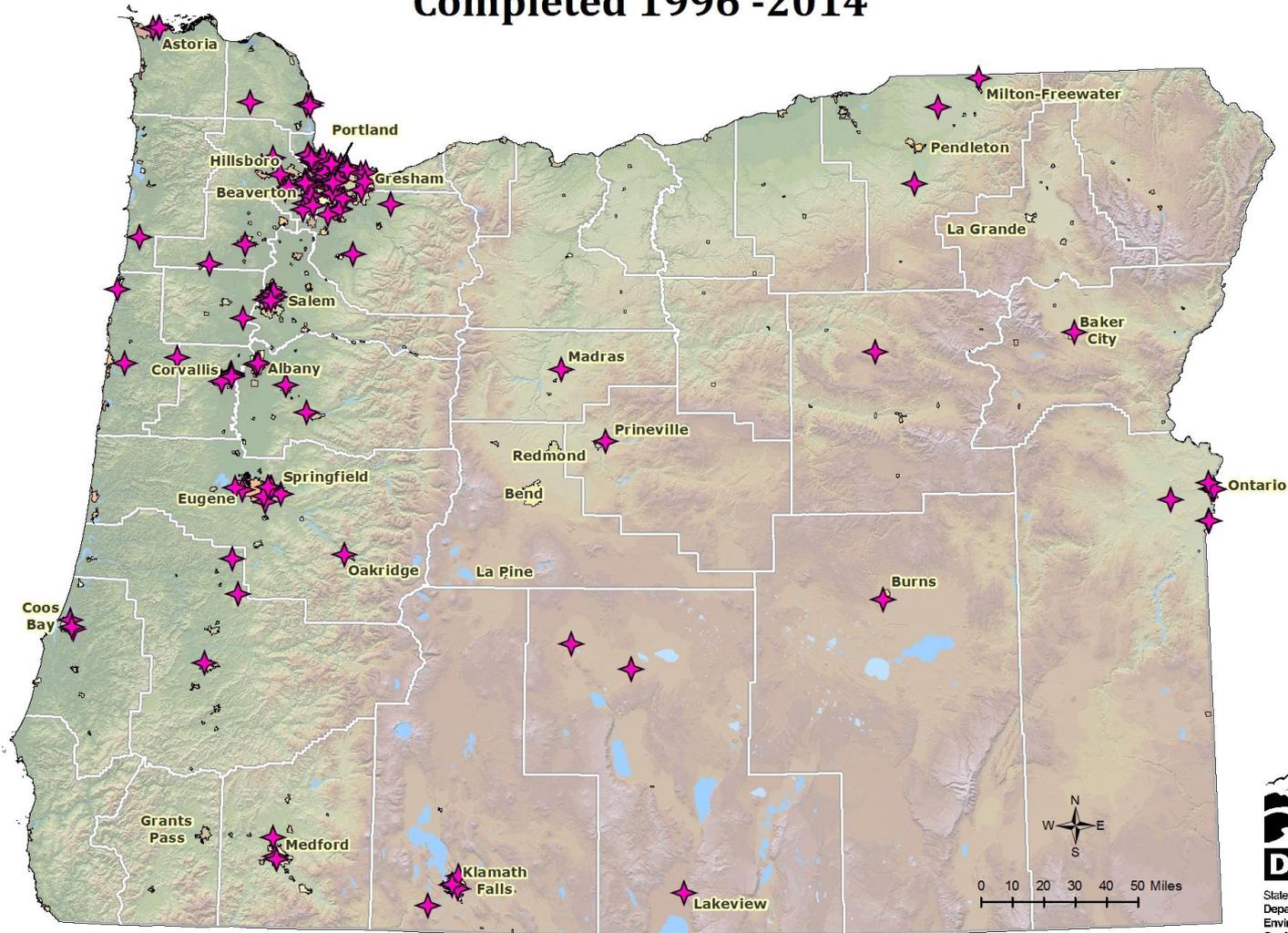
## Oregon Environmental Cleanup Sites

Base imagery from Bing Map Service.  
Cleanup site data from DEQ databases.



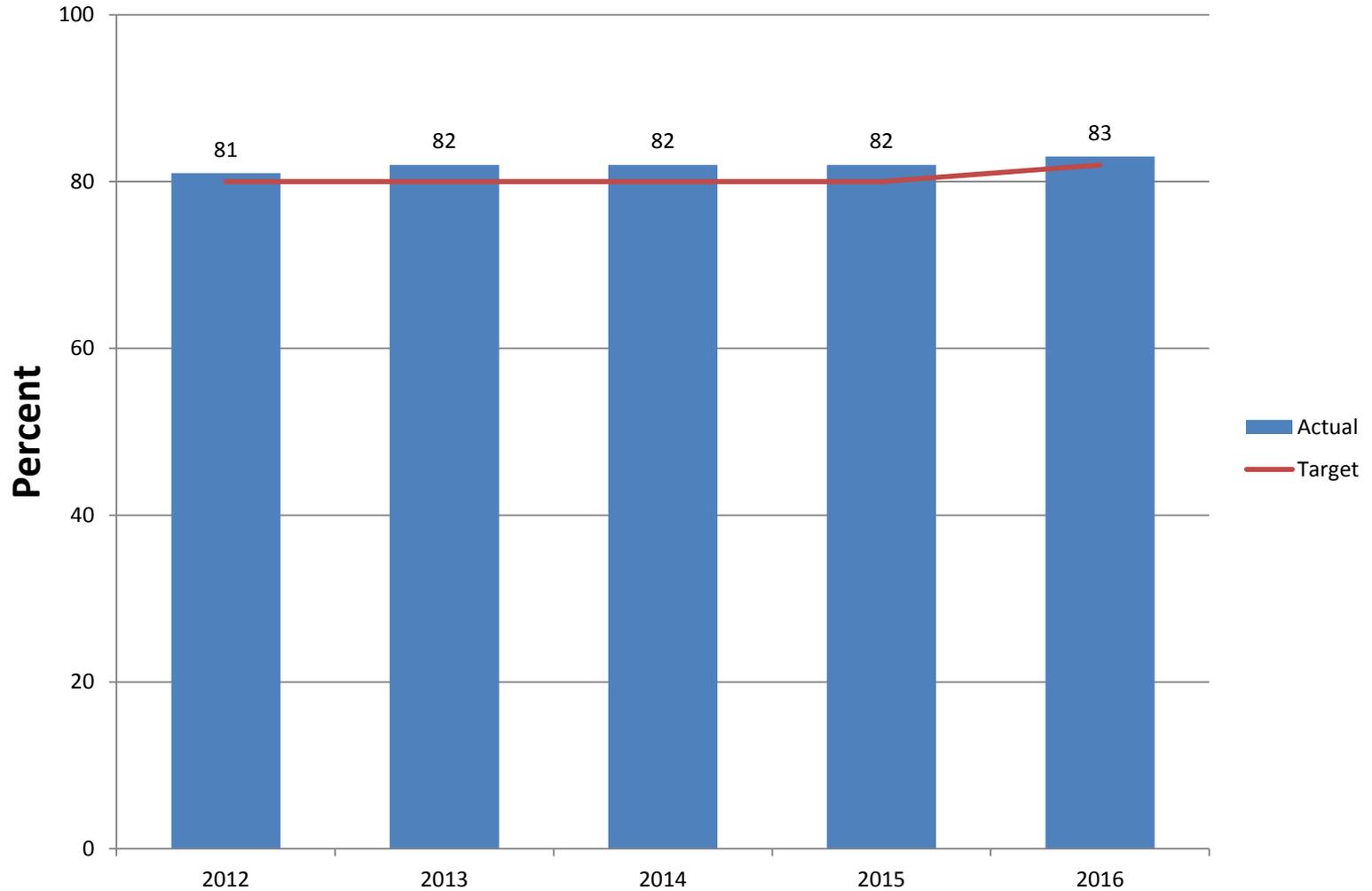
# Returning Cleanup Sites to Productive Use

## Prospective Purchaser Agreements Completed 1996 -2014



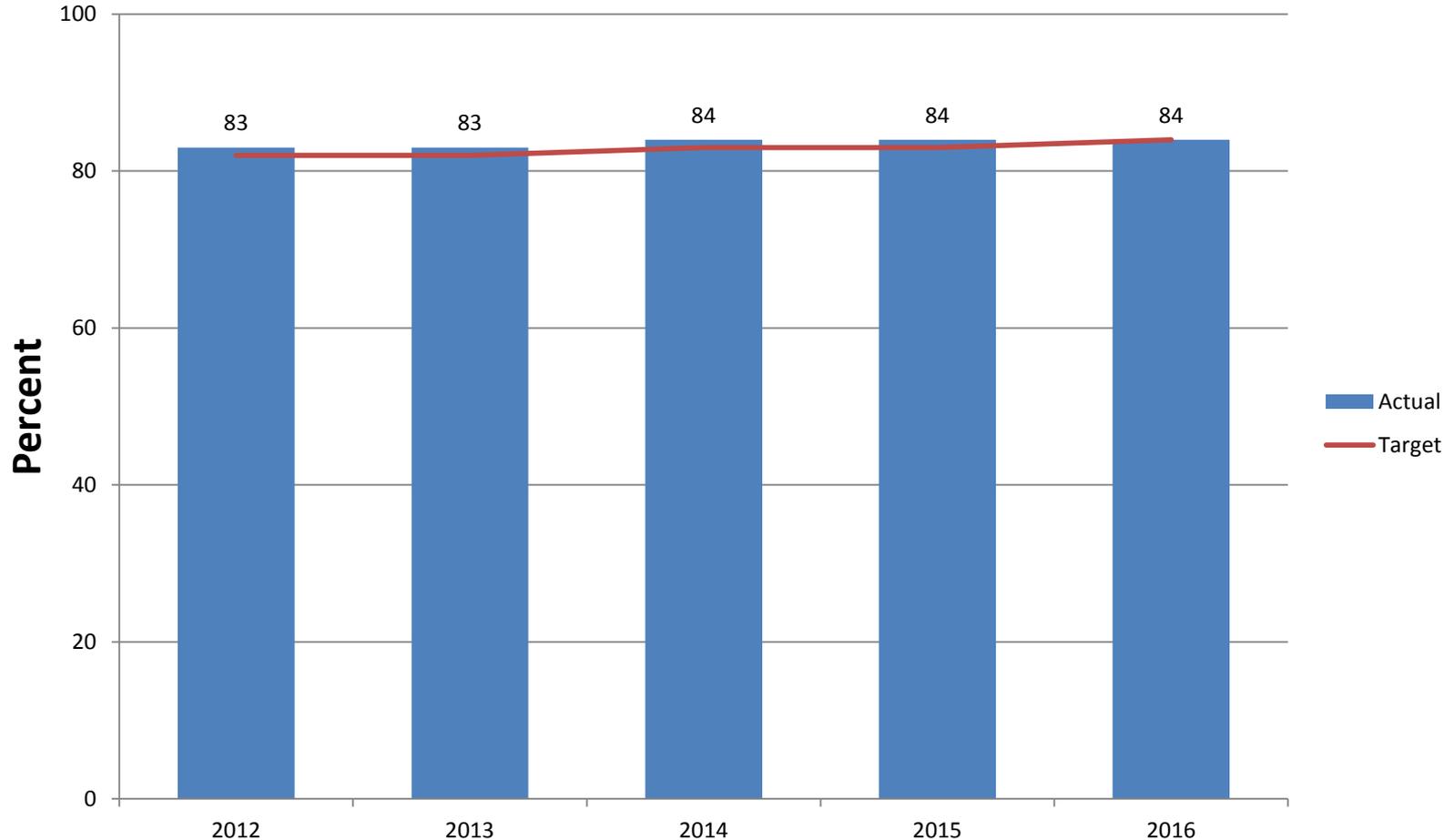
# KPM 5a

Percent of identified Oregon hazardous waste sites cleaned up – overall



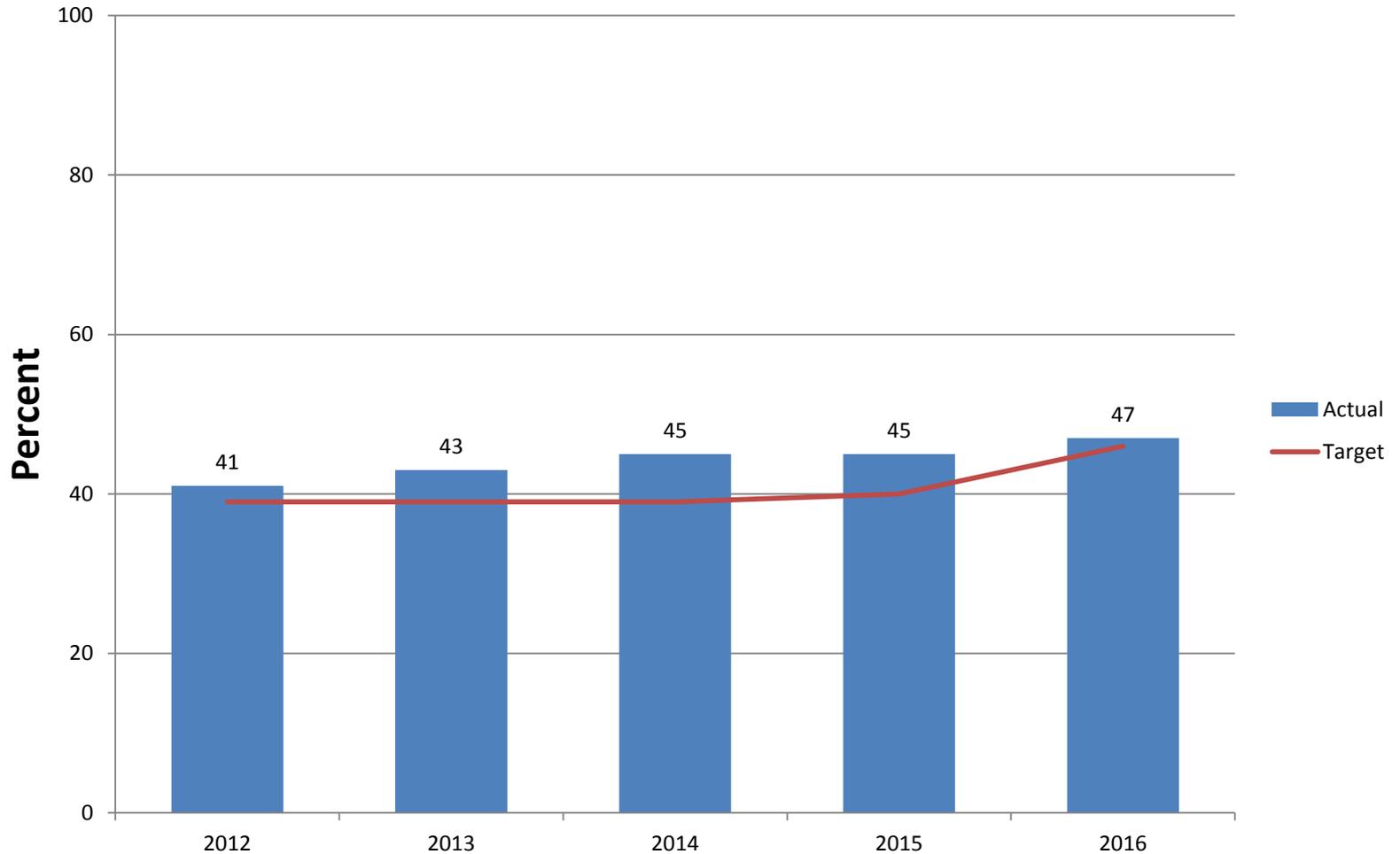
# KPM 5b

Percent of identified Oregon hazardous waste sites cleaned up – regulated and heating oil tanks



# KPM 5c

Percent of identified Oregon hazardous waste sites cleaned up –  
non-tank hazardous substance releases



# KPM 5: Proposed Changes

**Delete KPM 5:** Percent of identified Oregon hazardous waste sites cleaned up

- 5a overall
- 5b regulated and heating oil tanks
- 5c non-tank hazardous substance releases

**Replace with:** Percent of identified Oregon hazardous waste sites cleaned up

- 5a Heating oil tanks
- 5b Regulated underground storage tanks
- 5c Hazardous substance sites

# Brownfields

Medford: Lithia Headquarters and Medford Commons Park Block



Building demolition



Street fair

# Brownfields

## Astoria: Garden of Surging Waves



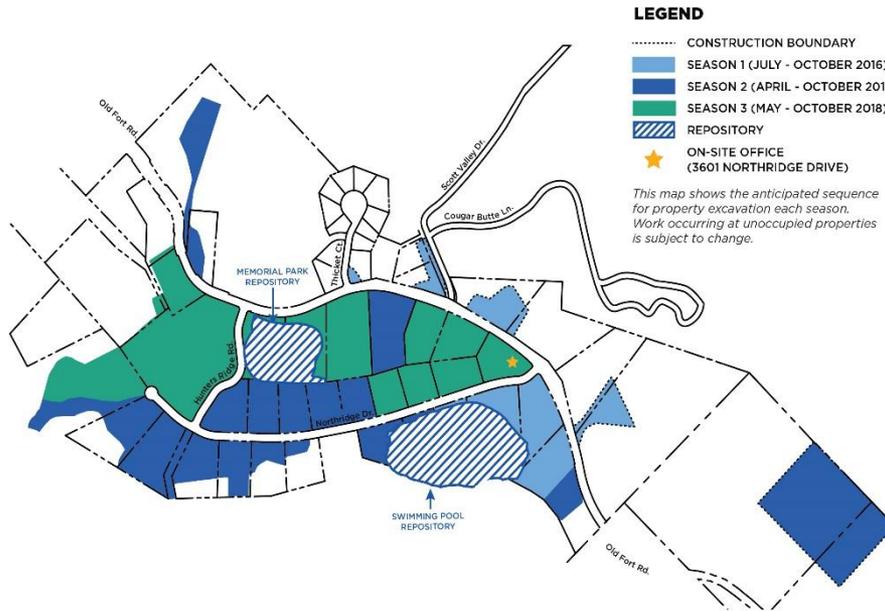
2012



2014



# Orphan Site Program



**North Ridge Estates Superfund Site Orphan**

# Package 135/183/193: Continue Orphan Site Cleanups

Program	Package Type	FUND	Amount	Pos	FTE
Land	Service Continuation	OF	3,682,500	-	-
Non Limited	Service Continuation	OF	300,000	-	-
Debt Service	Service Continuation	GF	521,250	-	-

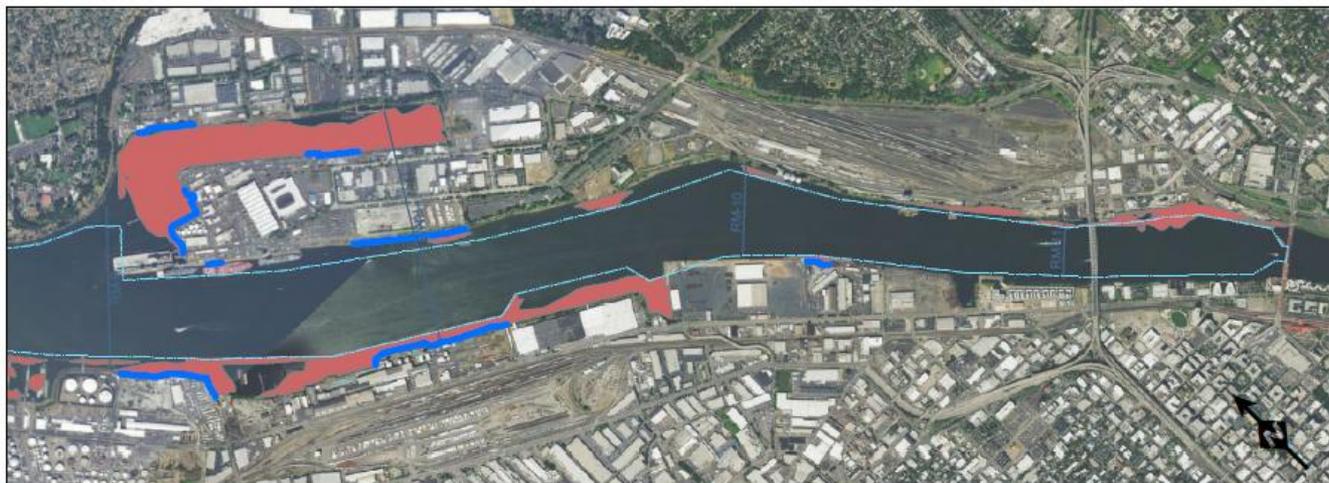
Sites are declared orphans when:

- High priority contamination to human health and the environment exists
- Parties responsible for cleanup are unknown or unable to do so

Since 1992:

- 107 Sites have been designated as Orphans
- 32 sites received “no-further-action needed” designation

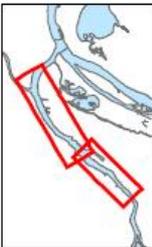
# Portland Harbor



## Legend

- Site with Known Contaminated Riverbank
- Navigation Channel
- SMA Alternative F mod

0 1,000 2,000 3,000 4,000  
Feet



# Package 162: Portland Harbor

Program	Package Type	FUND	Amount	Pos	FTE
Limited	New Work	LF/OF	10,227,251	-	-
Debt Service	New Work	LF	970,108		



Fishing in Portland Harbor

# Package 136: Lead Paint Task Force

Program	Package Type	FUND	Amount	Pos	FTE
Land	New Work	GF	50,000	-	-

Provides \$50,000 for DEQ to support Oregon Health Authority's creation of a task force to study lead-based paint solutions.

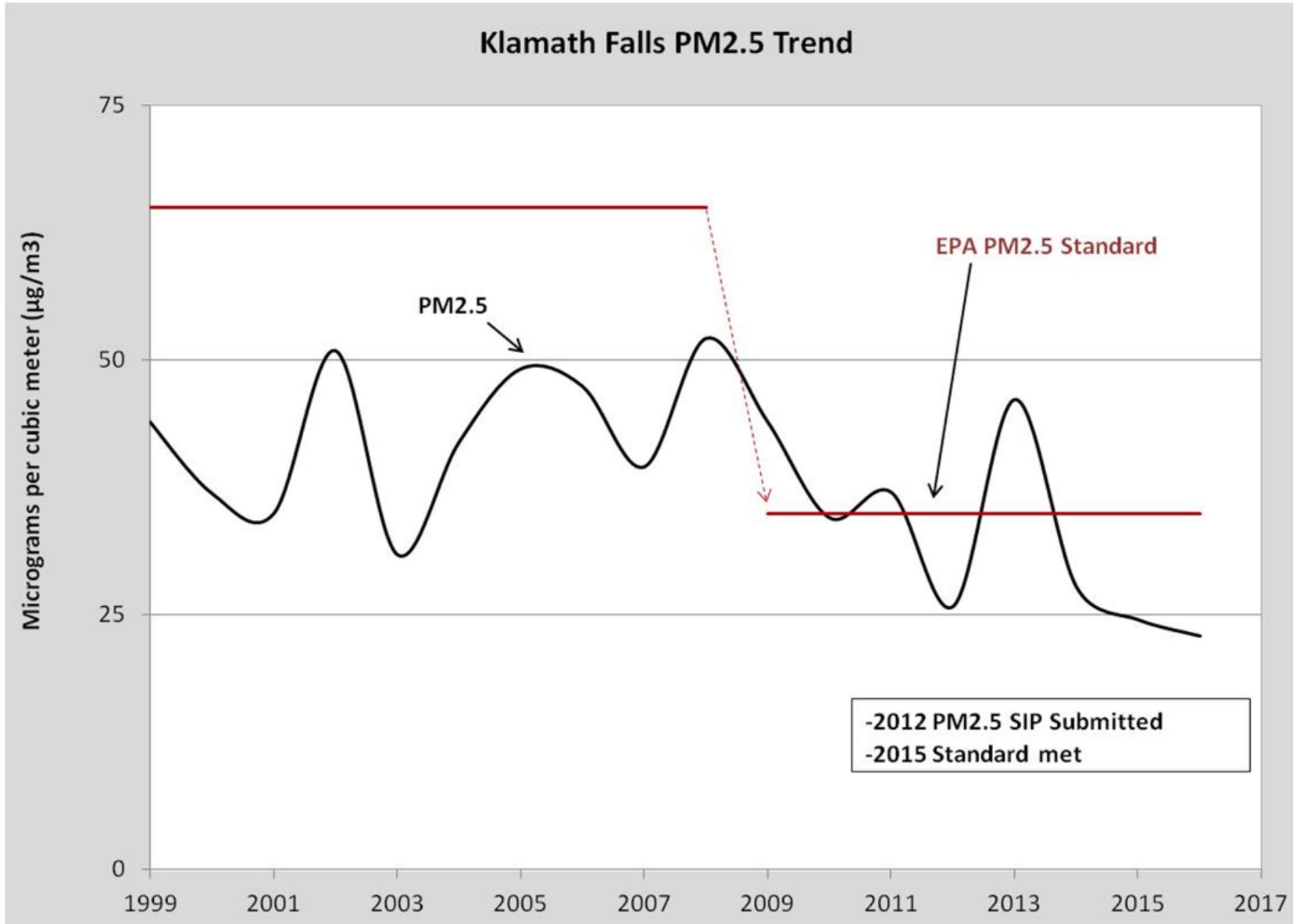
# Air Quality

Ensure healthy air to breathe, reduce greenhouse gas emissions and protect special places

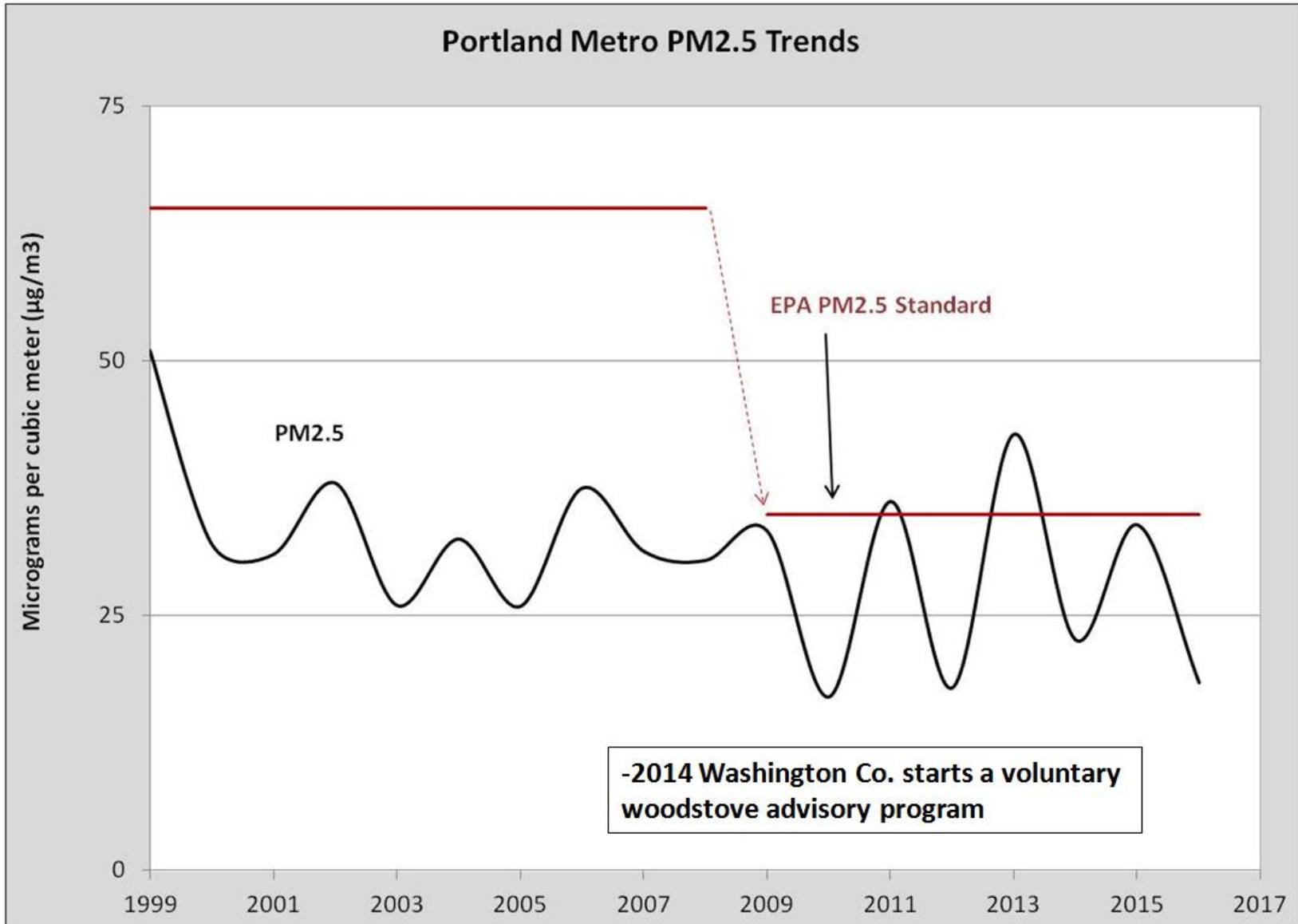




# Klamath Falls Particulate Matter Trends

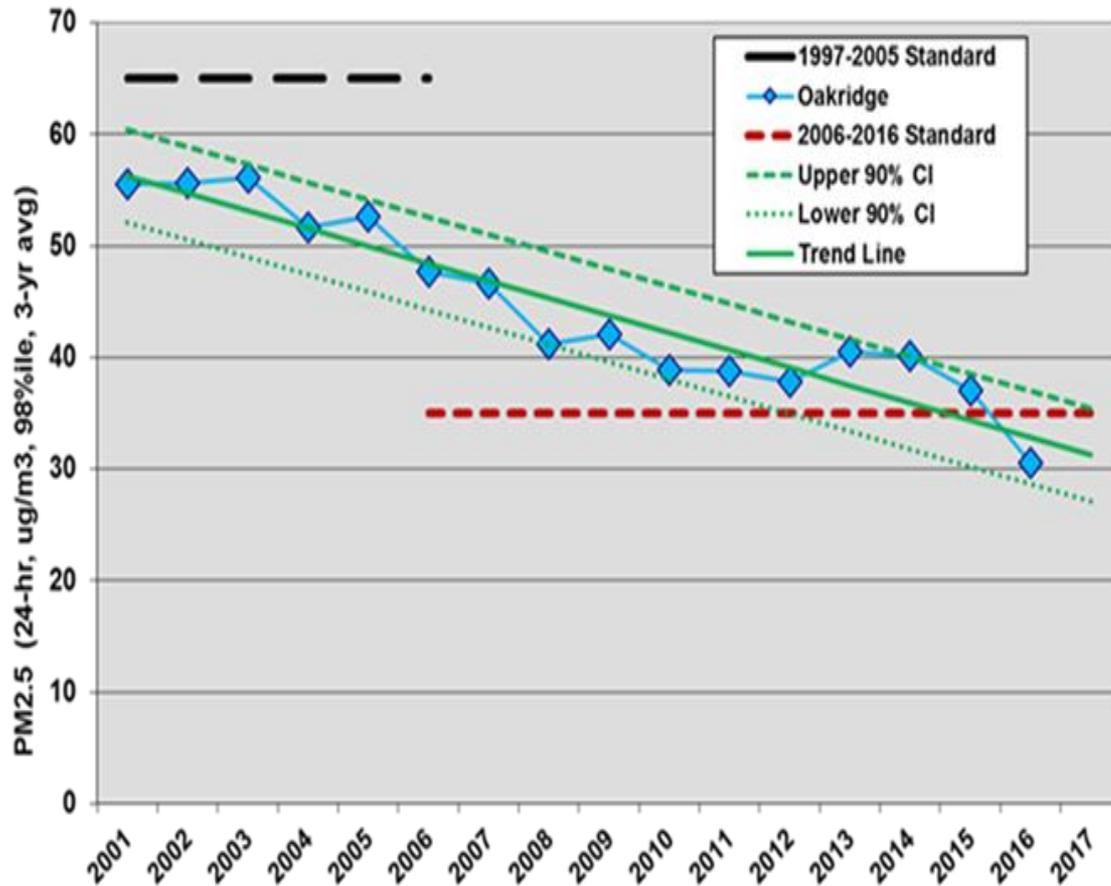


# Portland Metro Particulate Matter Trends



# Oakridge, Oregon

## Respirable Particulate Matter (PM<sub>2.5</sub>) on Worst Days



# Sources of toxic air pollutants

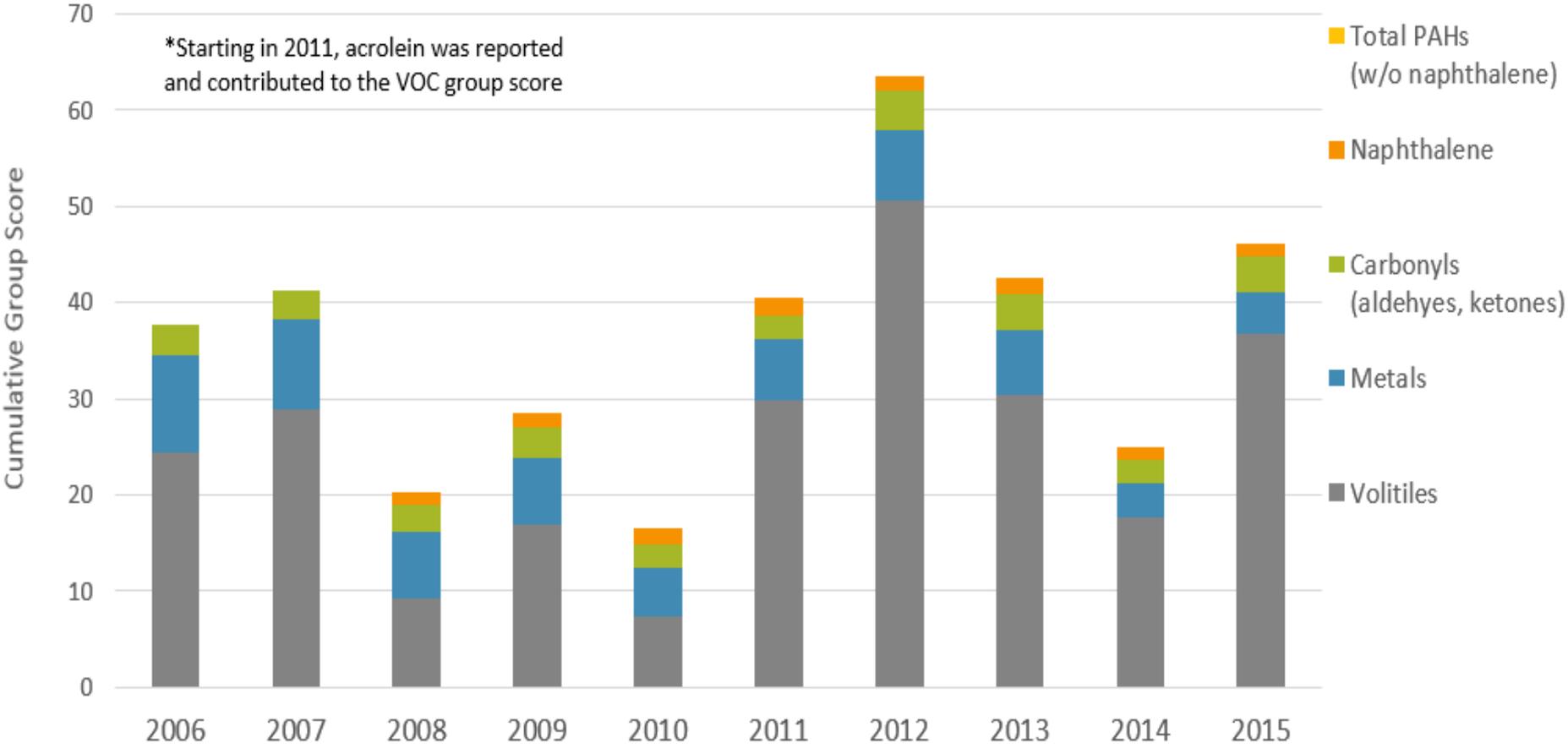


# Monitoring for toxic air pollutants

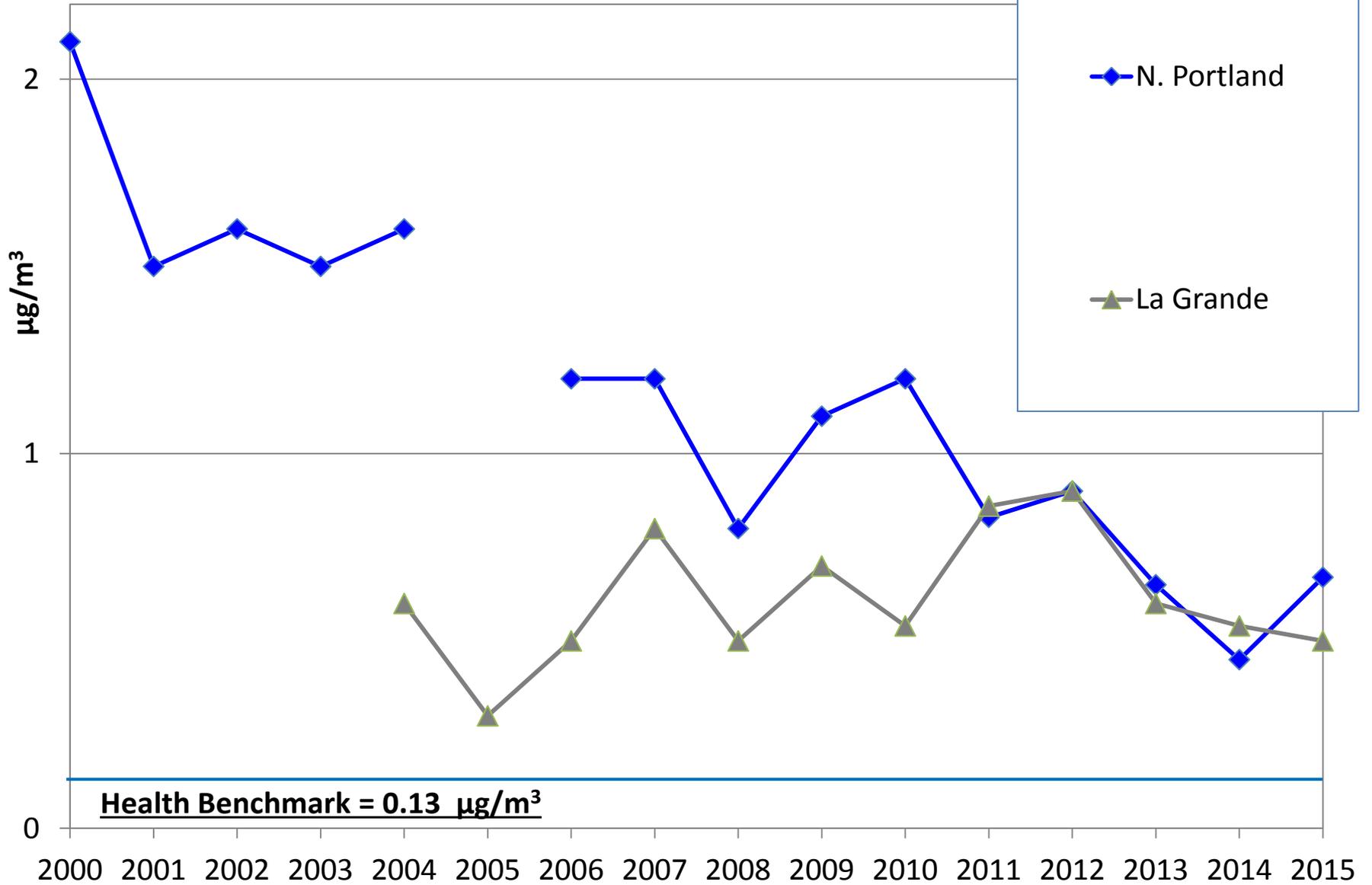
- Trends in air pollutants
- Identification of area of interest
- Source investigation



# Portland: Air Toxic Group Scores



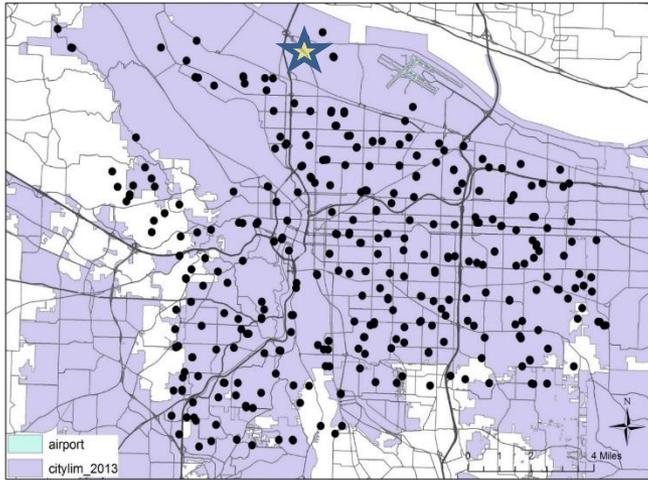
# Benzene Trends



# Portland moss study and the partnerships

Moss samples = 346 in 2013

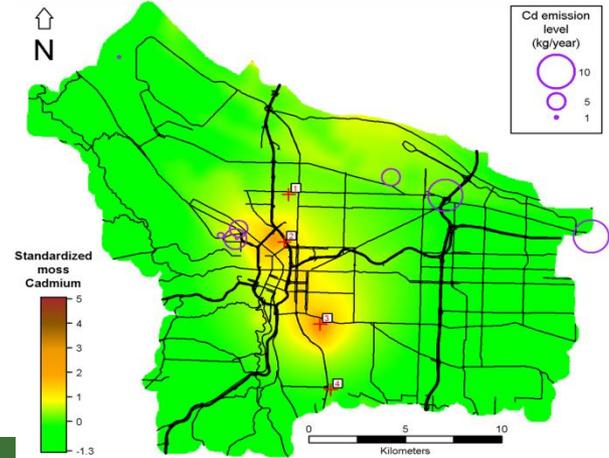
★ Air quality monitor



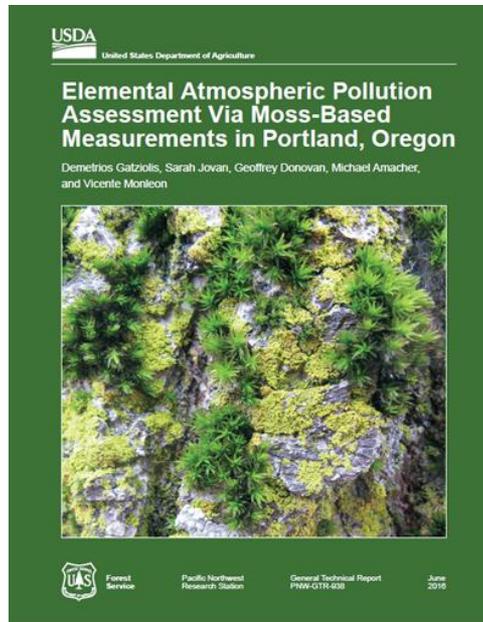
Source: USFS

Initial moss sampling - 2013

### Cadmium Concentrations in Moss



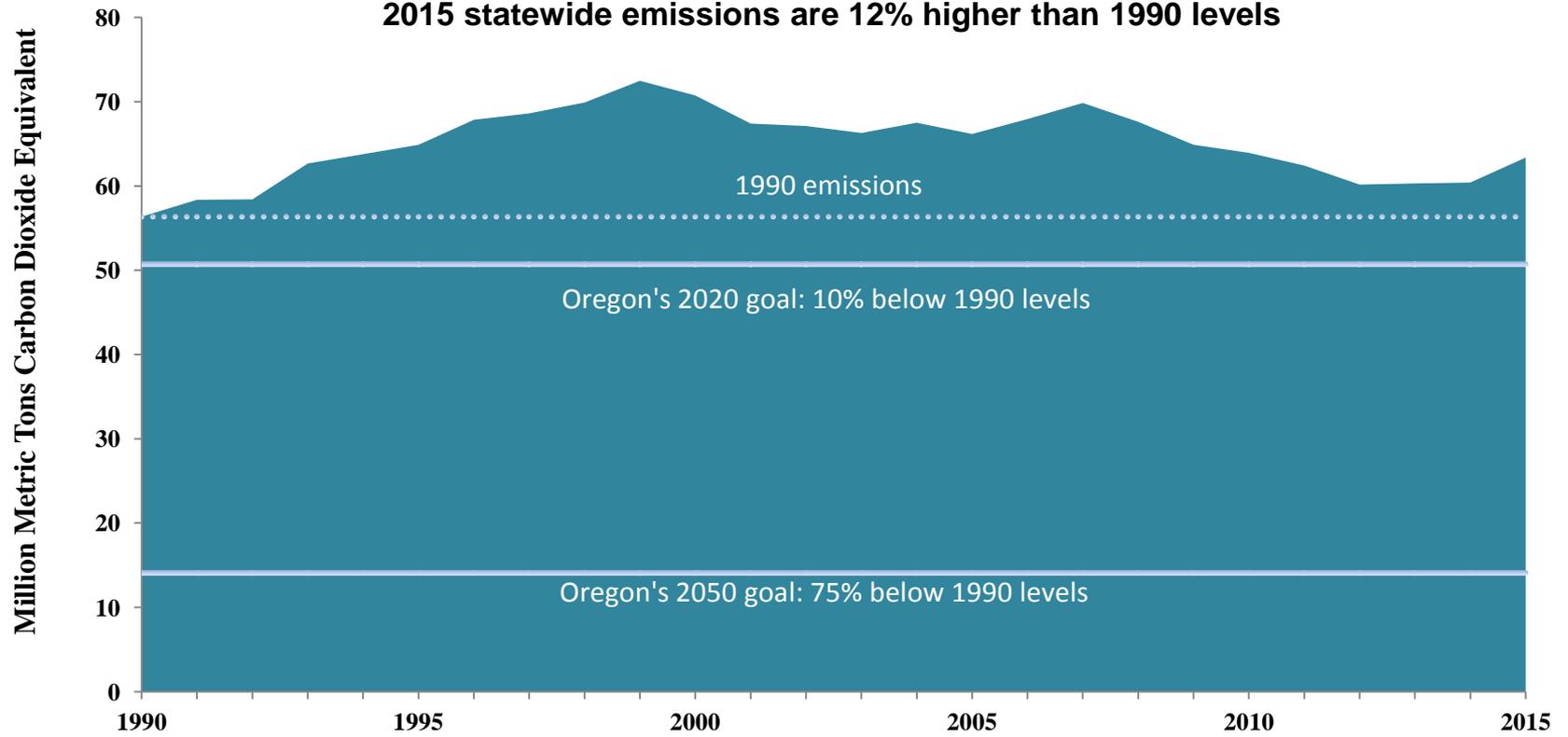
Source: USFS



# Oregon Greenhouse Gas Trends

## Oregon's Greenhouse Gas Emissions from 1990-2015

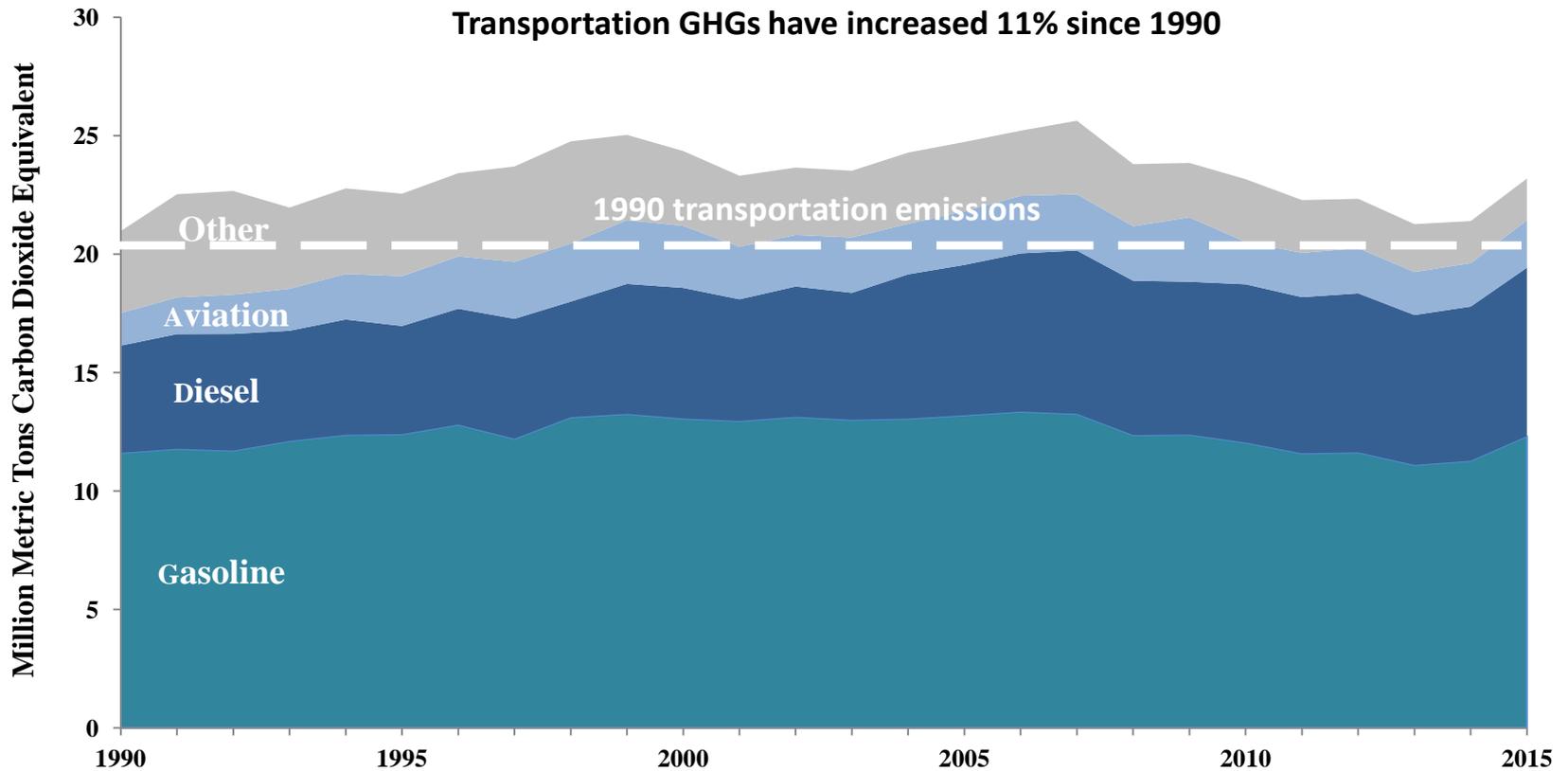
2015 statewide emissions are 12% higher than 1990 levels



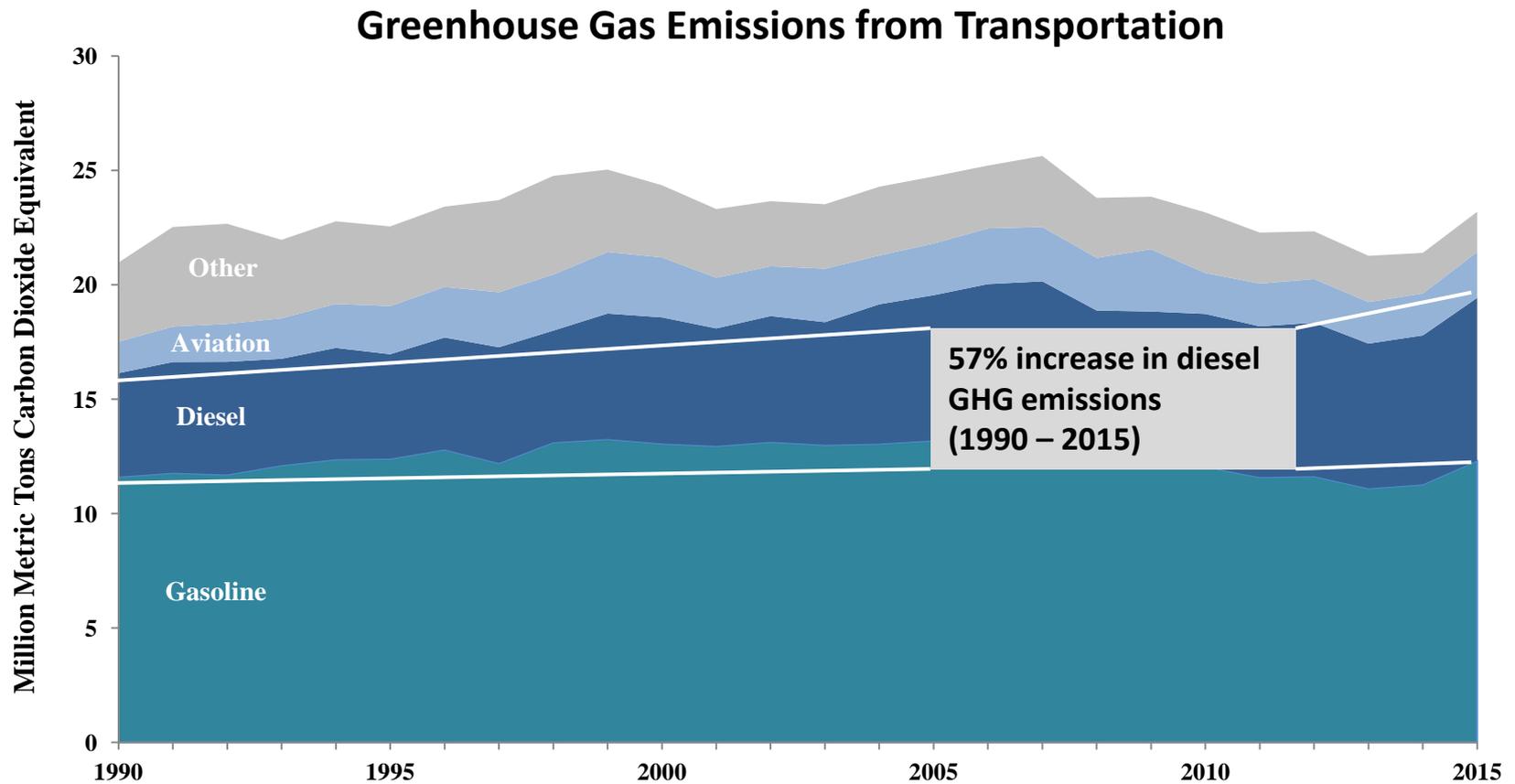
# Oregon Greenhouse Gas Trends

## Greenhouse Gas Emissions from Transportation

Transportation GHGs have increased 11% since 1990

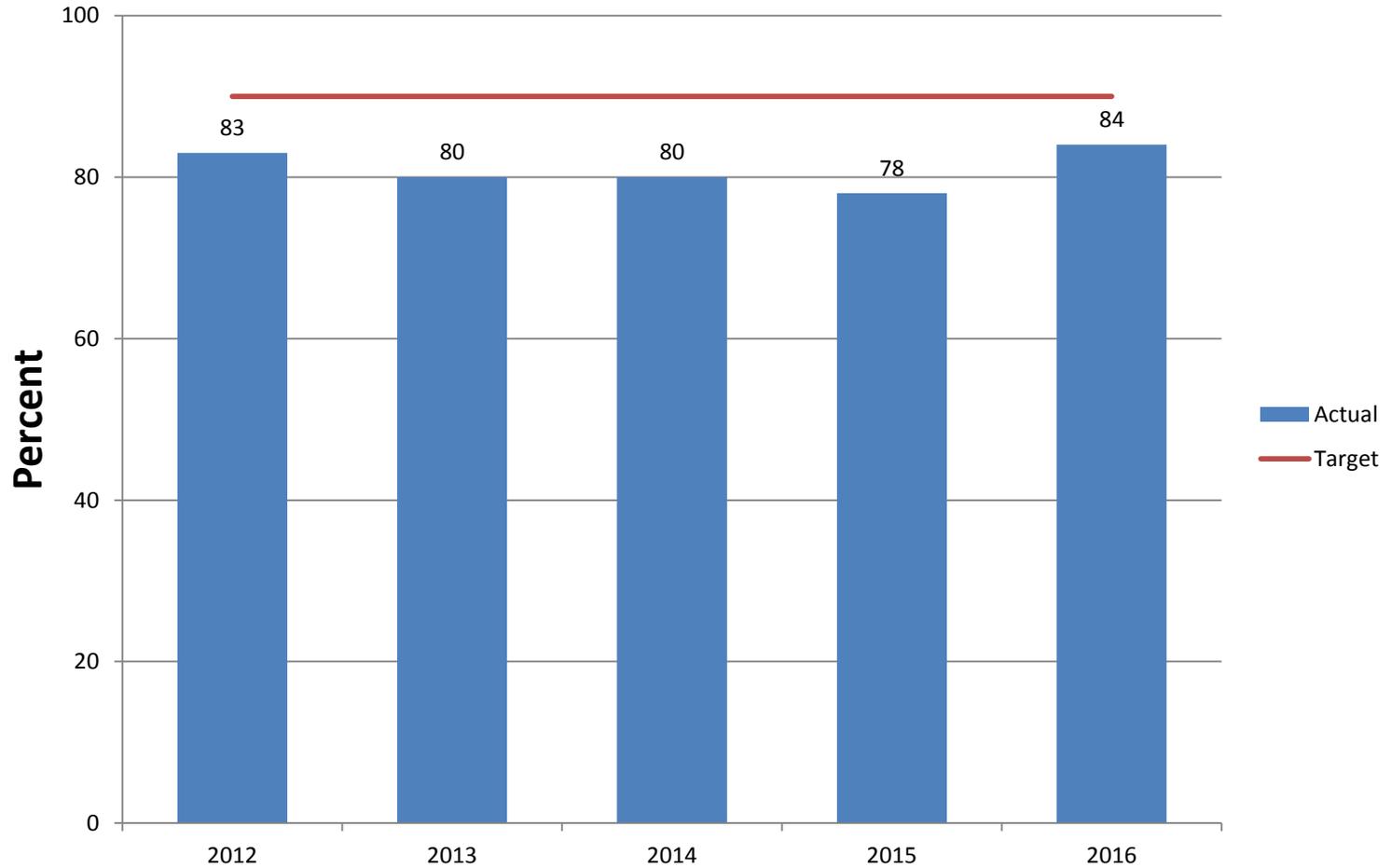


# Oregon Greenhouse Gas Trends



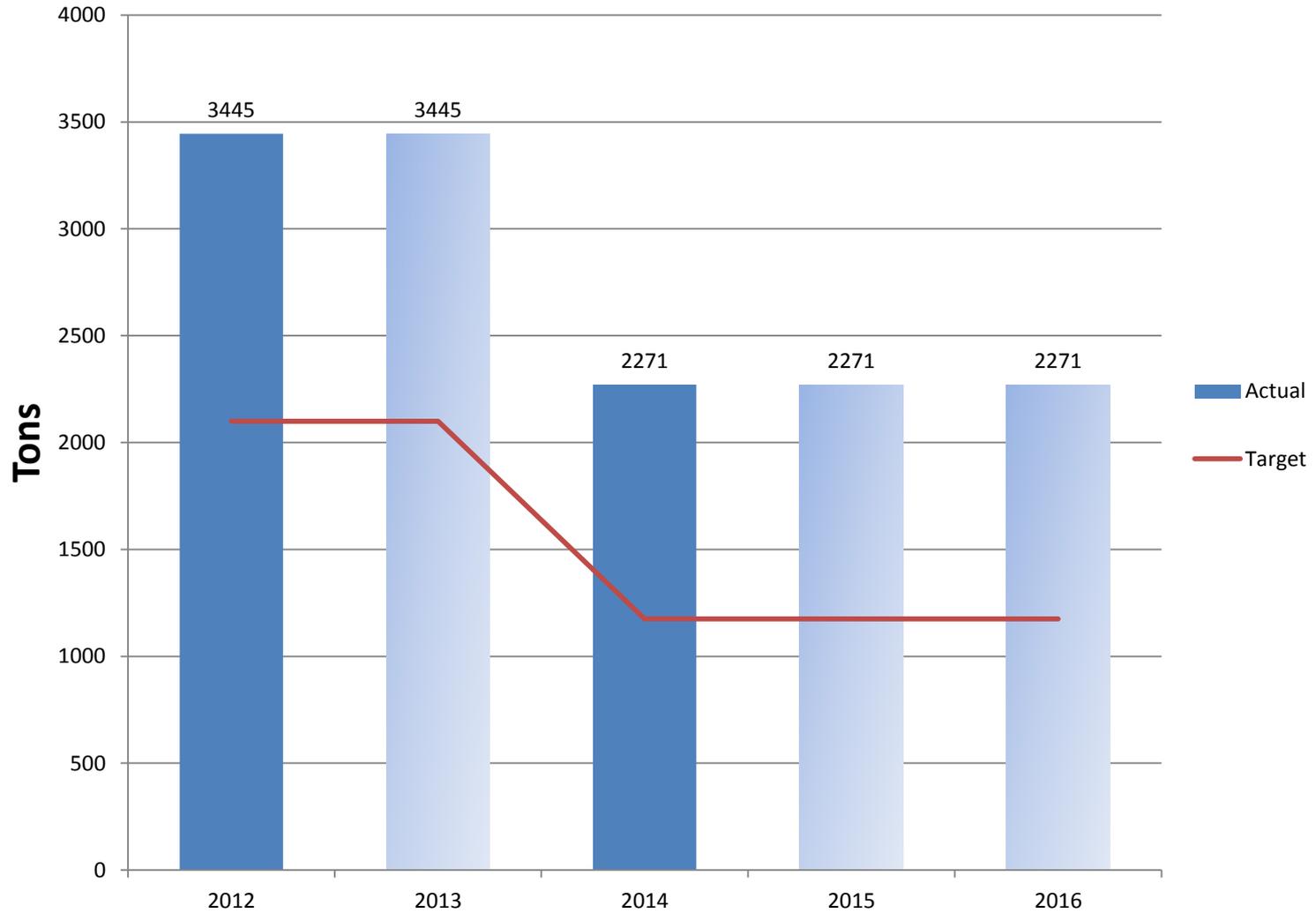
# KPM 2

ACDP permits issued within target



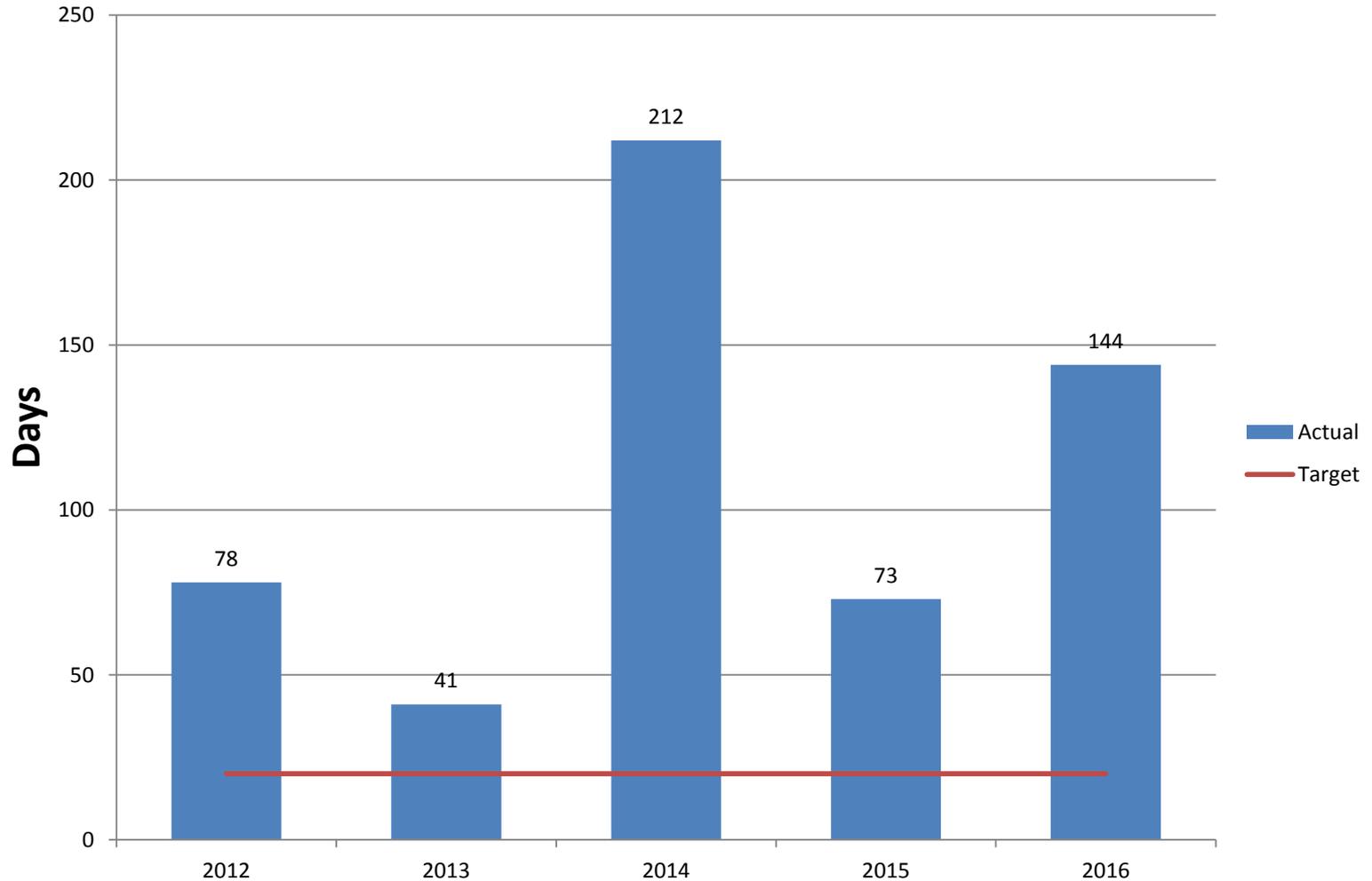
# KPM 8

## Quantity of diesel particulate emissions



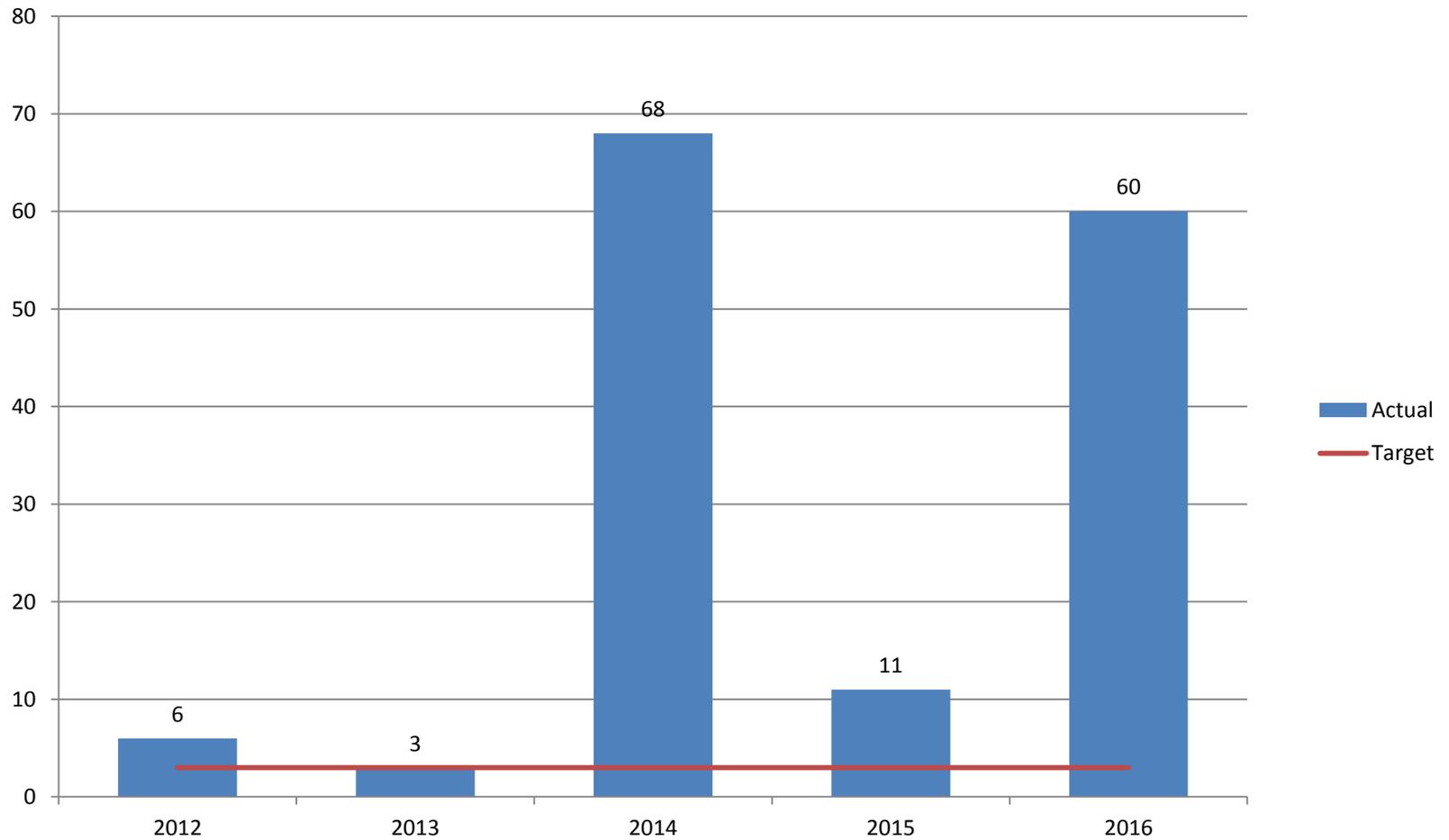
# KPM 9a

Number of days when air is unhealthy for sensitive groups



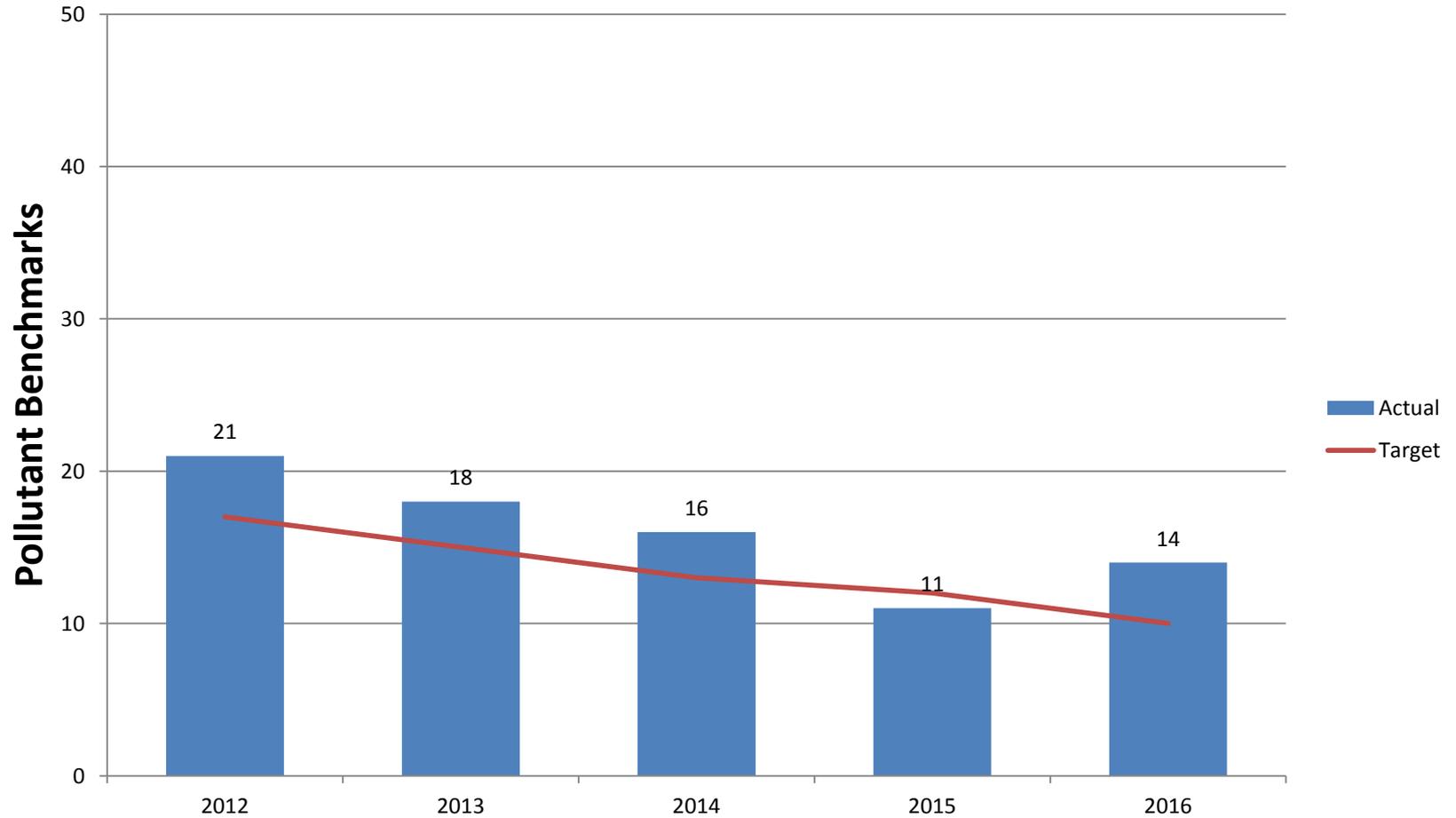
# KPM 9b

Number of days when air is unhealthy for all groups



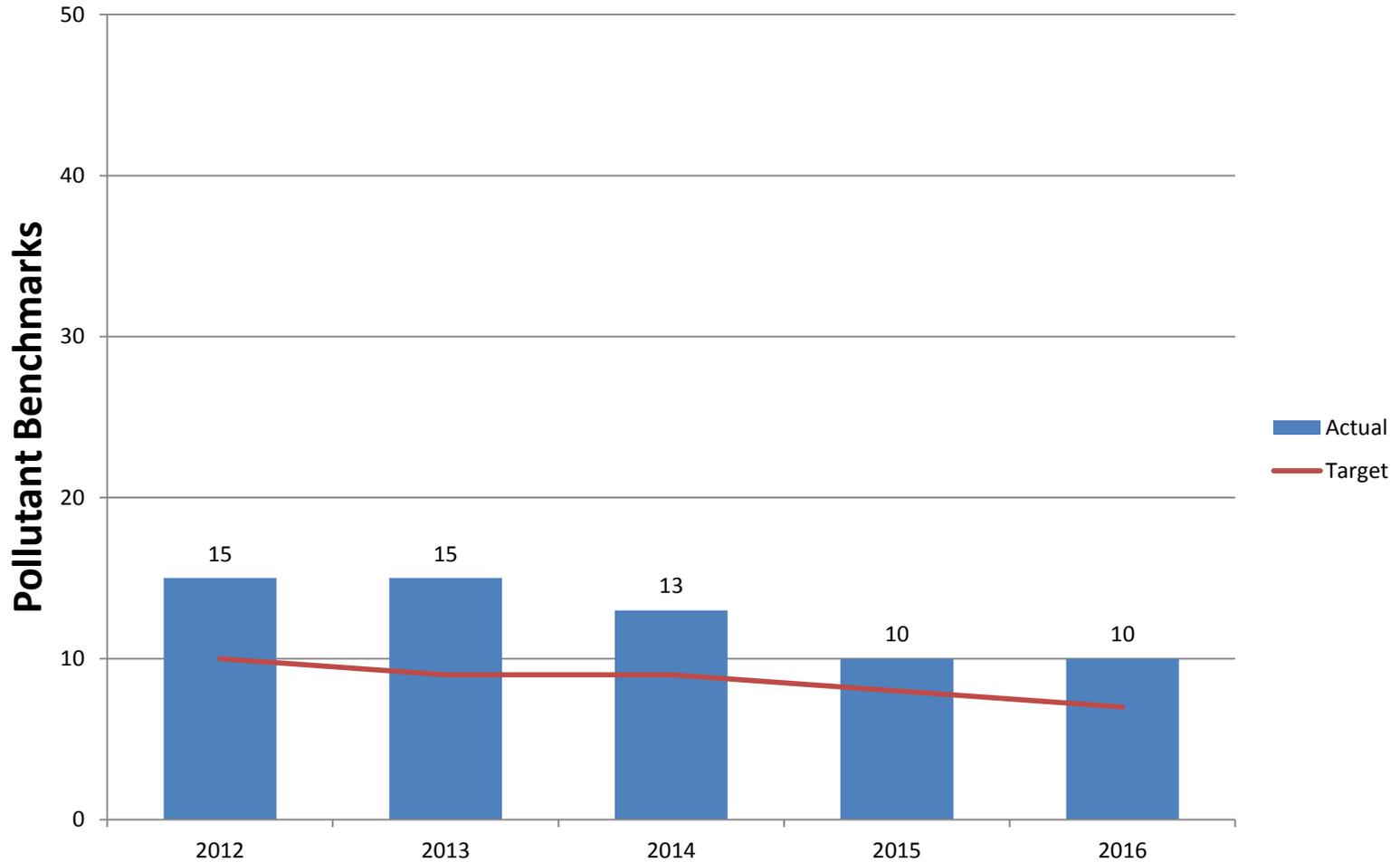
# KPM 10a

## Air toxics trends in large communities



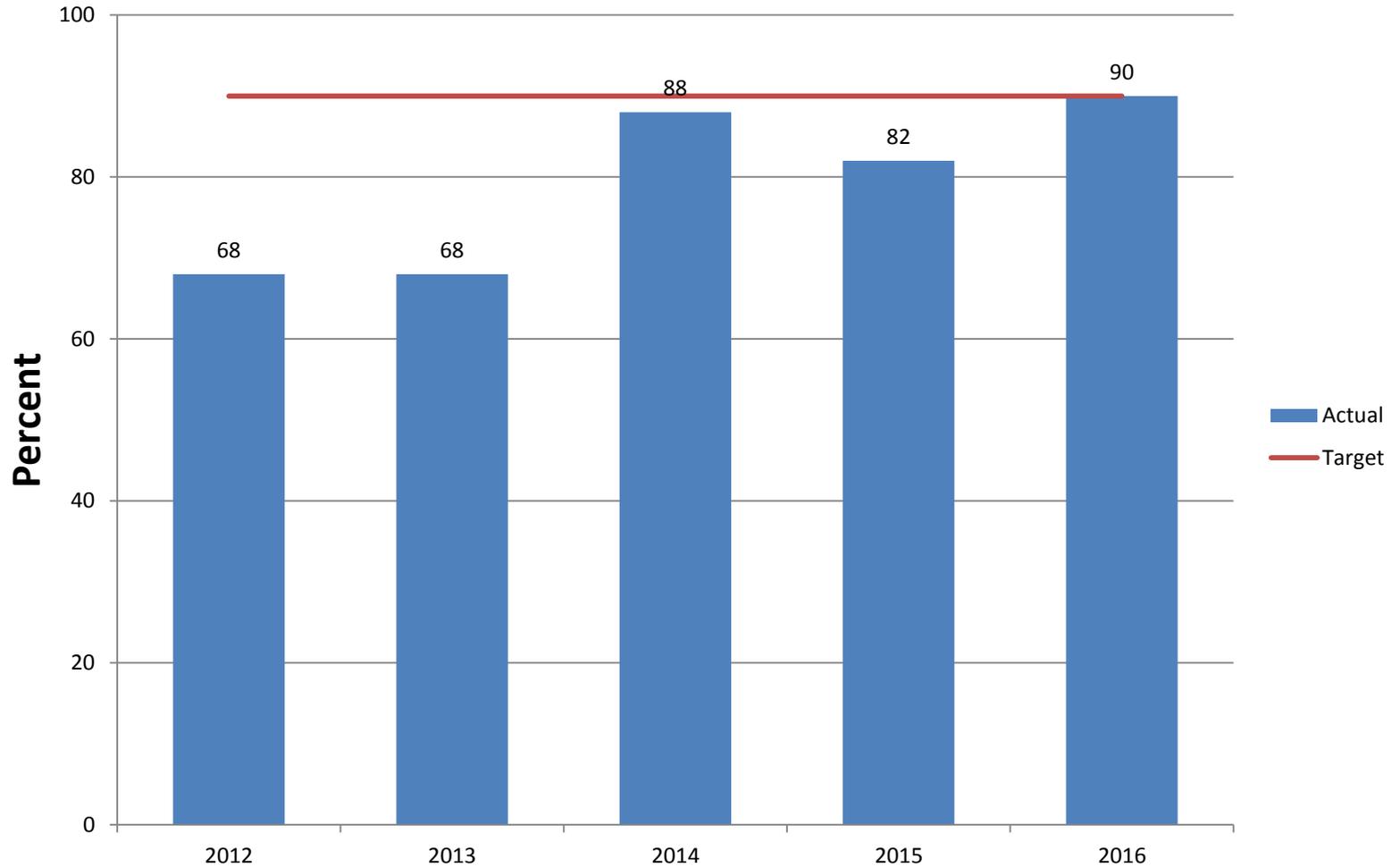
# KPM 10b

Air toxics trends in smaller communities



# KPM 12

Percent of Title V permits issued within target period



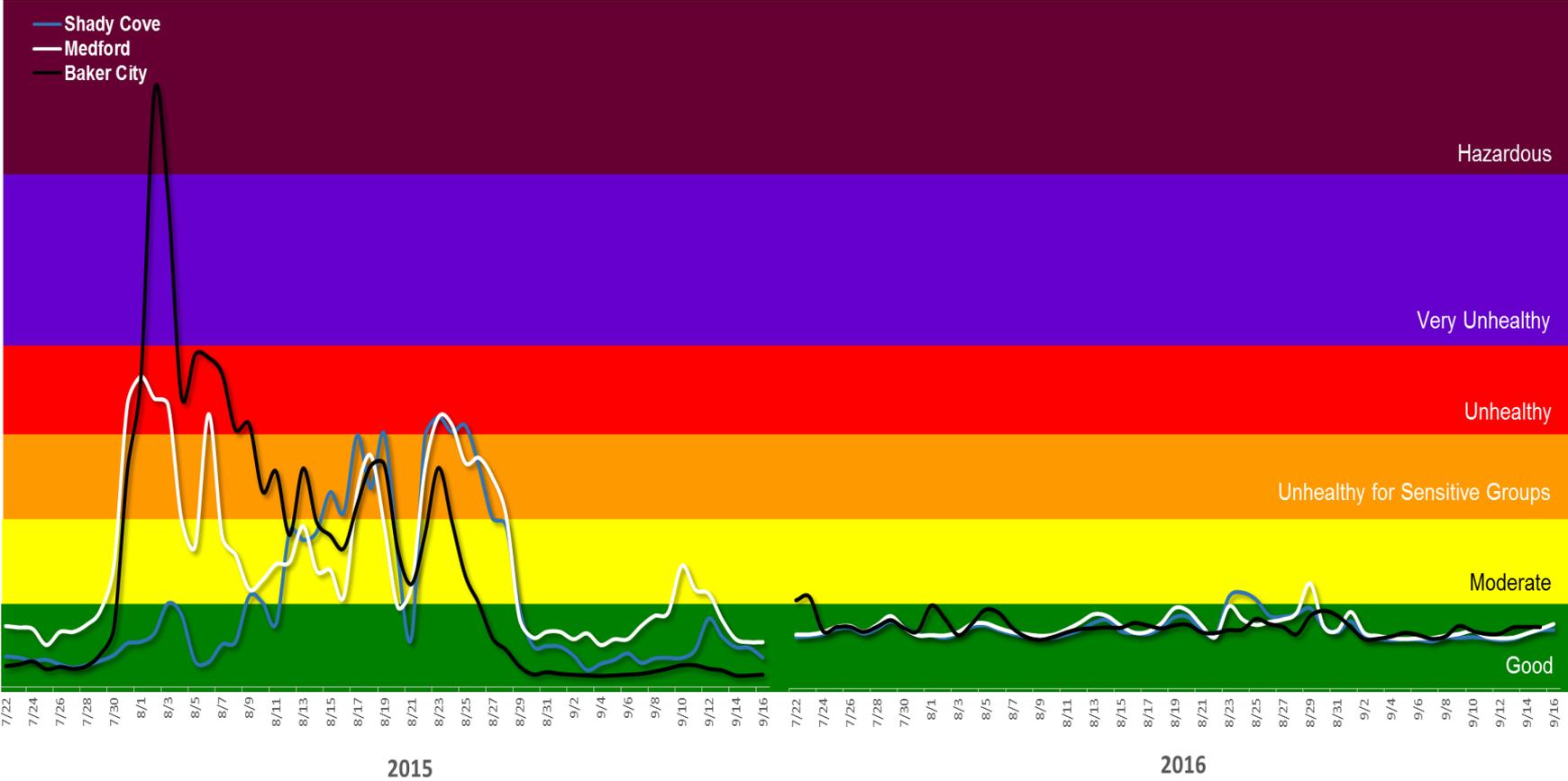
# Air Quality Program

- Federal and state permits
- Burning and woodstoves
- Asbestos abatement
- Vehicle inspection
- Clean diesel
- Clean cars and fuels
- Assist communities and businesses

# Air Quality by the numbers

- Permits **2,600** industrial sources
- In 2016:
  - Emissions tested approximately **560,000** vehicles
  - Responded to more than **3,100** air complaints
  - Reviewed more than **900** asbestos removal notifications and licensed almost **1,000** asbestos workers
  - Issued more than **1,722** tanker truck vapor certifications
  - Assisted hundreds of small businesses
  - Worked with 7 communities on fine particulate reduction

# 2015 - 2016 forest fire impacts



# Air Quality pollutant reduction

- Air pollution can be local or regional
- Oregon implements federal air quality standards statewide to protect human health
- DEQ implements strategies which address multiple pollutants
- Still have challenges in areas of fine particulate, ozone, greenhouse gas, and air toxics



# Package 110: Maintain ACDP Program

Program	Package Type	FUND	Amount	Pos	FTE
Air	Service Continuation	OF	724,269	0	4.00

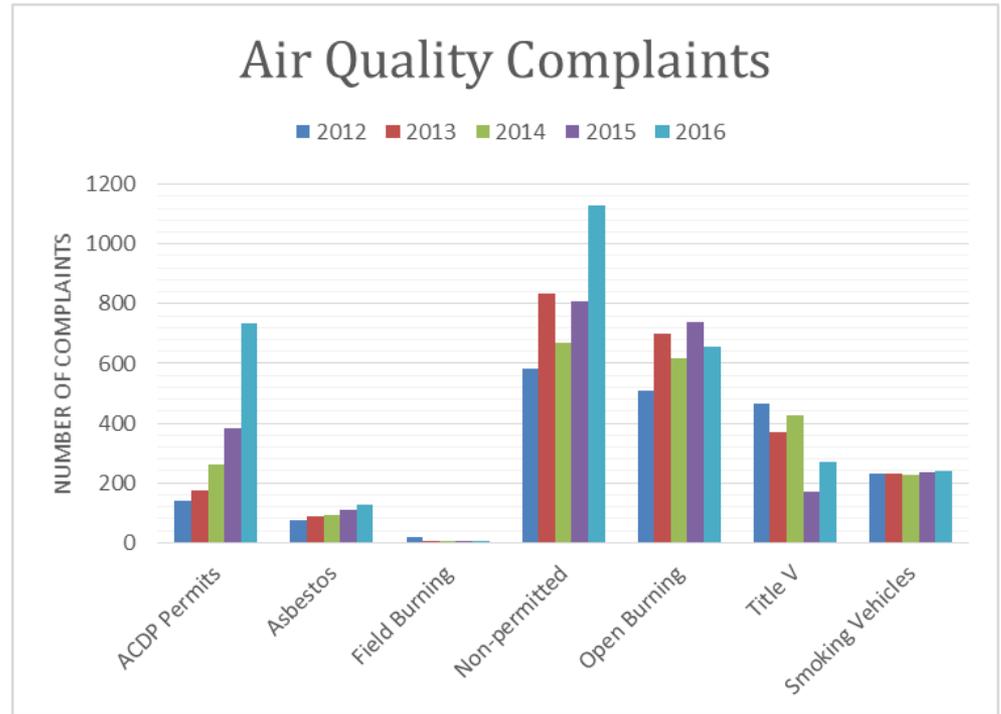
- Provides operational funding to maintain an Air Contaminant Discharge Permit Program
- Recommends a 22 percent ACDP fee increase. Last increase was in 2013



# Package 112: Improve Community Response

Program	Package Type	FUND	Amount	Pos	FTE
Air	Expand Capacity	OF	418,490	2	2.00

- Provides dedicated field response to investigate complaints regarding permitted sources
- Tied to HB 2269
- Recommends approximately a four percent ACDP and Title V fee increase



# Package 115: VW Diesel Mitigation Fund, 1st Installment

Program	Package Type	FUND	Amount	Pos	FTE
Air	New Work	OF	10,737,022	4	2.50

- Tied to HB 2269, which calls for a modification to Clean Diesel Engine Fund to allow DEQ the authority to receive funds from Volkswagen Settlement
- Provides staff to develop the rules and implement the Volkswagen award program

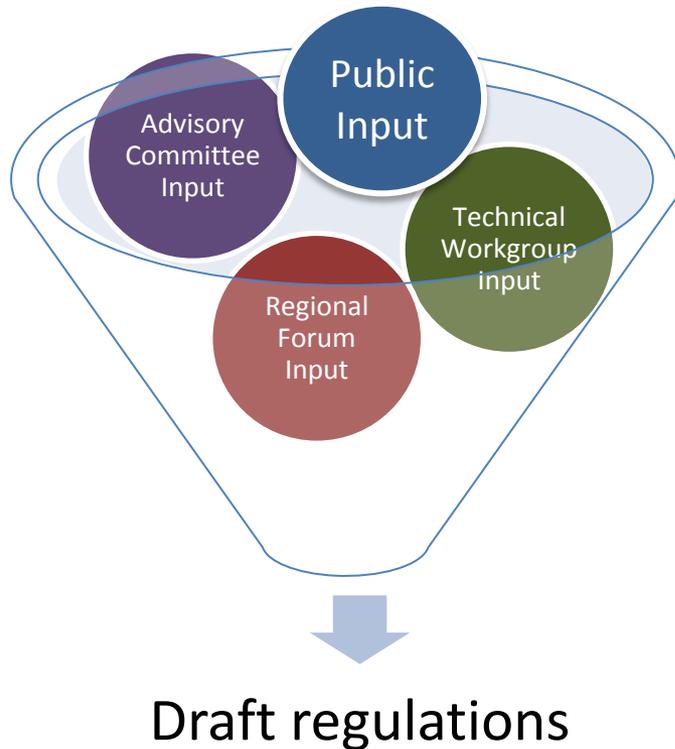


# Cleaner Air Oregon

Existing industrial regulations reduce toxics for many facilities,  
but they have gaps



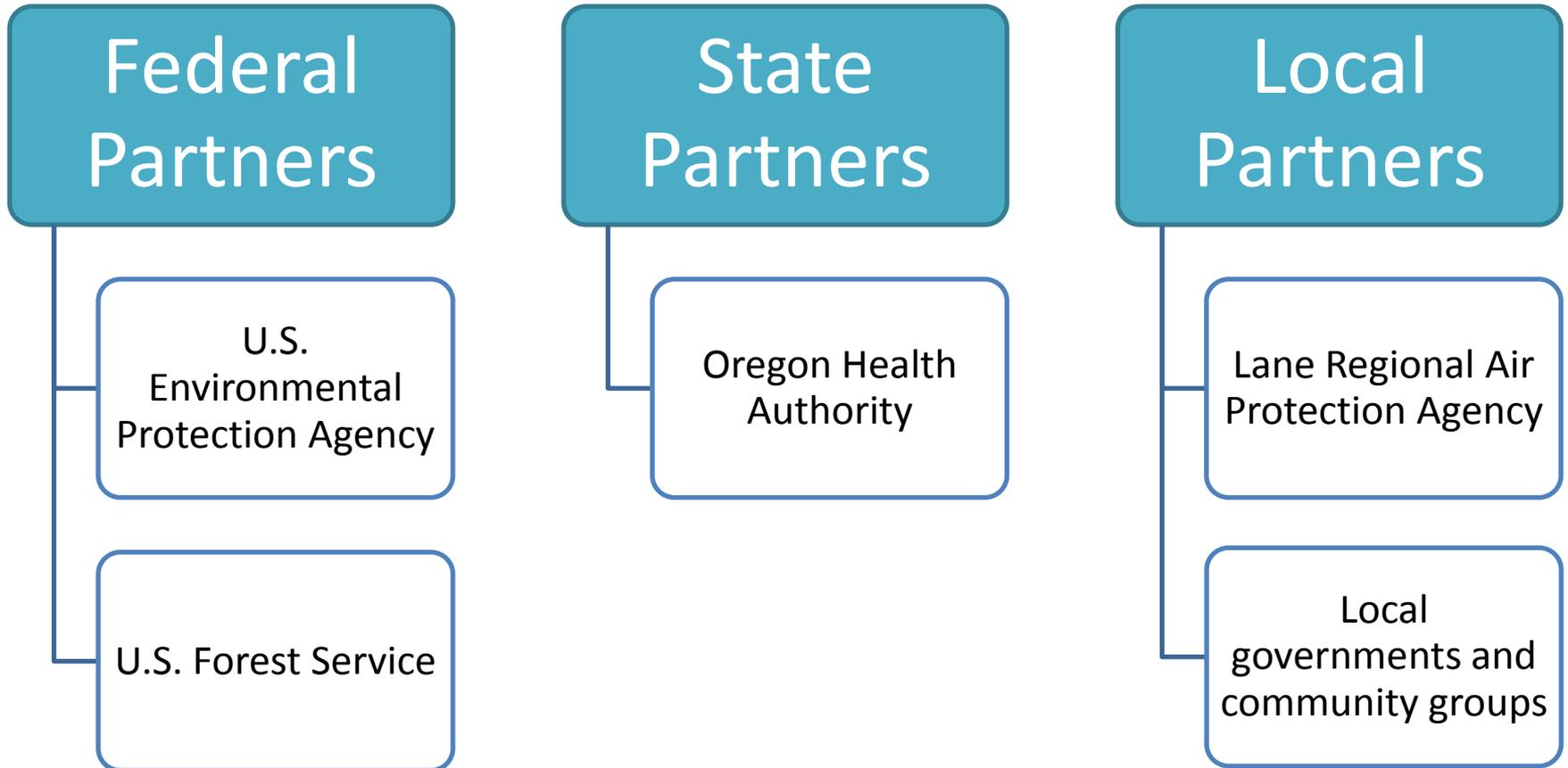
# Next steps for Cleaner Air Oregon



- Spring 2017 - Draft rules developed
- Mid 2017 - Public comment period
- Late 2017 - Summarize and respond to public comment
- Early 2018 - Environmental Quality Commission considers proposed rules

# Cleaner Air Oregon Partners

## *Program Implementation*



# Package 116: Cleaner Air Oregon Risk-Based Air Permitting

Program	Package Type	FUND	Amount	Pos	FTE
Air	New Work	OF	1,541,171	11	6.77
Air	New Work	GF	130,529	1	0.50

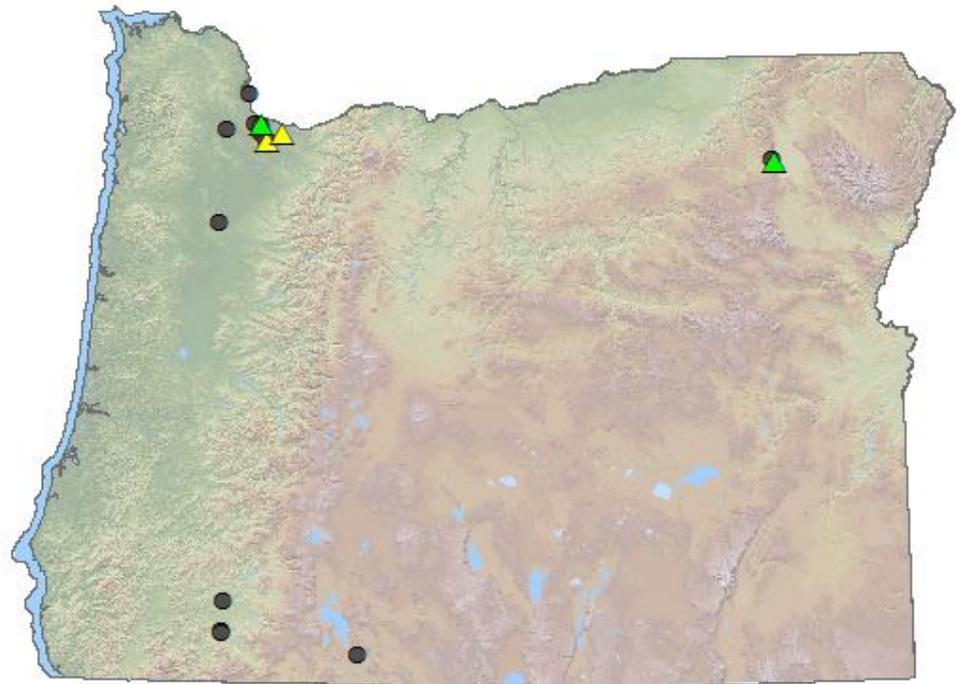
- Joint effort led by DEQ and Oregon Health Authority to reduce public health risks arising from industrial facilities
- Work involves overhauling Oregon's industrial air toxic regulations
- Funded in part by Title V and ACDP fee increases via HB 2269



# Package 113: Air Toxics Monitoring

Program	Package Type	FUND	Amount	Pos	FTE
Air	Expand Capacity	GF	2,500,000	9	6.76

- Provides equipment and staff to screen for air toxic air pollution, and conduct follow-up monitoring for an extended period of time
- Provides 30 new nephelometers running year around
- Adds six trend sites for toxics



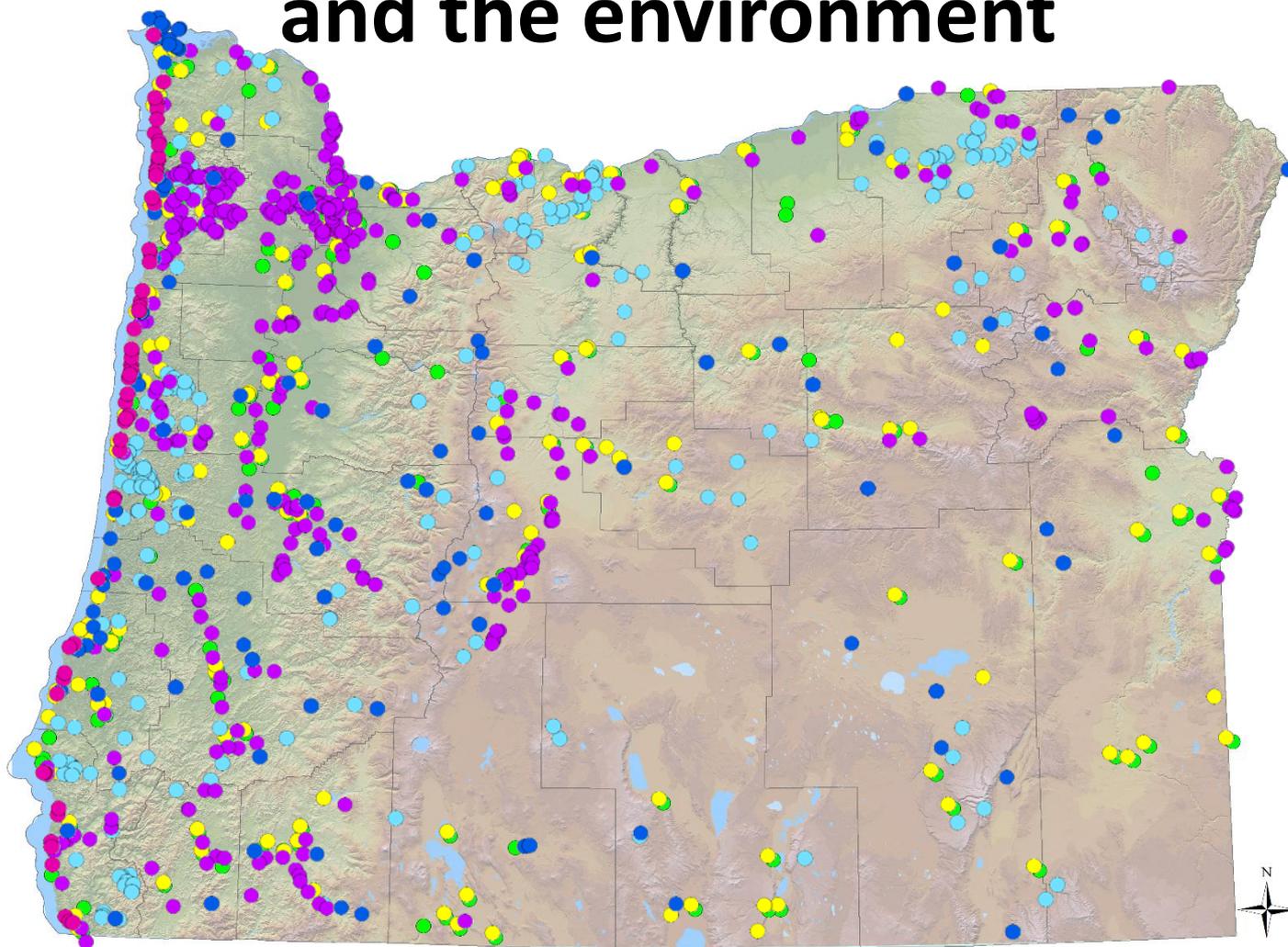
▲ National Air Toxics Trends Sites    ▲ DEQ Rotating Full Air Toxics Sites    ● Previous Rotating Full Air Toxics Sites

# Water Quality

Ensure Oregon's waters are drinkable,  
fishable and swimmable



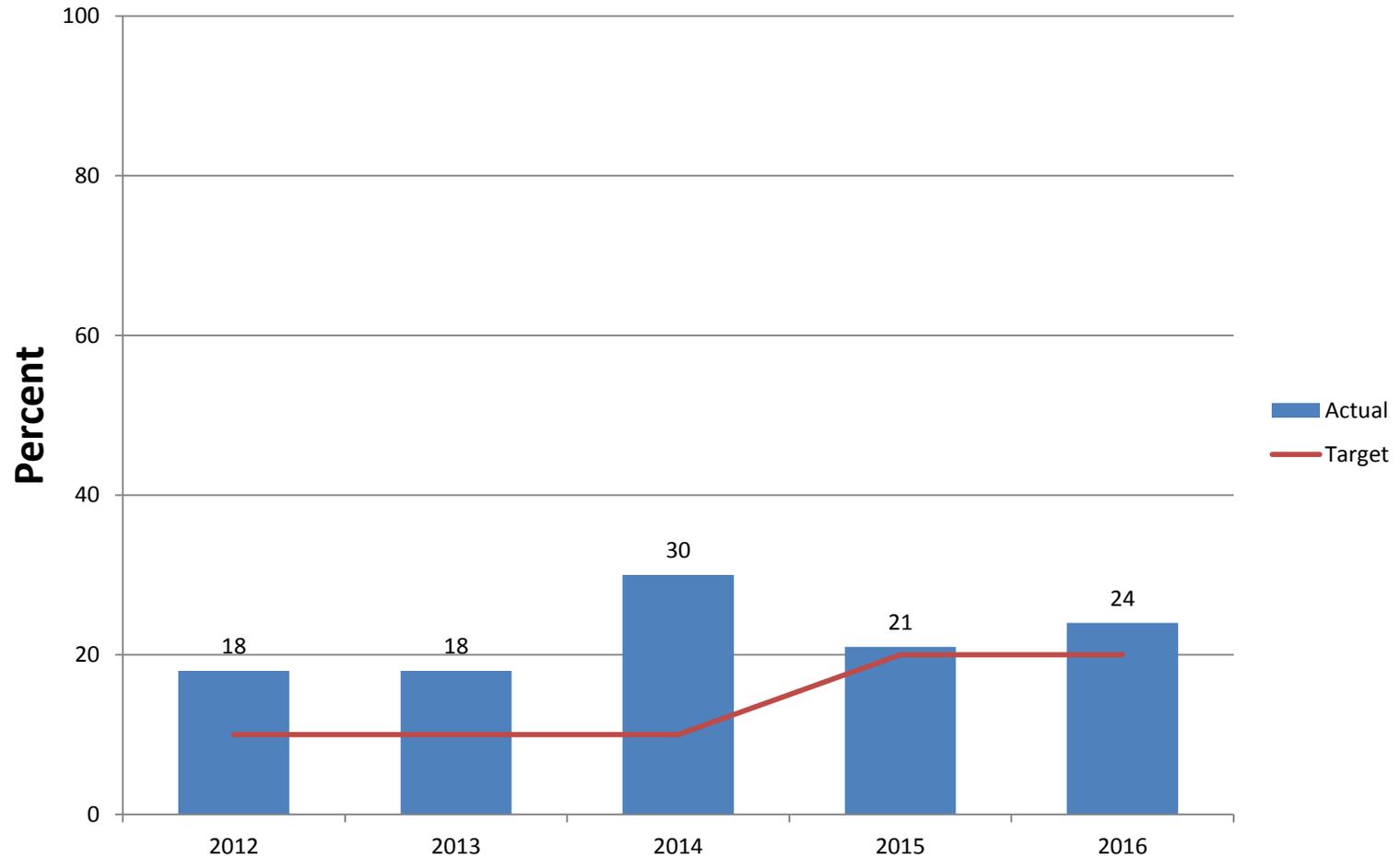
# Monitoring to protect human health and the environment



- Biological Monitoring
- Toxics Monitoring Program
- Ambient Water Quality Monitoring Network
- Total Maximum Daily Load (TMDL) Monitoring
- National Aquatic Resource Surveys (NARS)
- Beach Monitoring

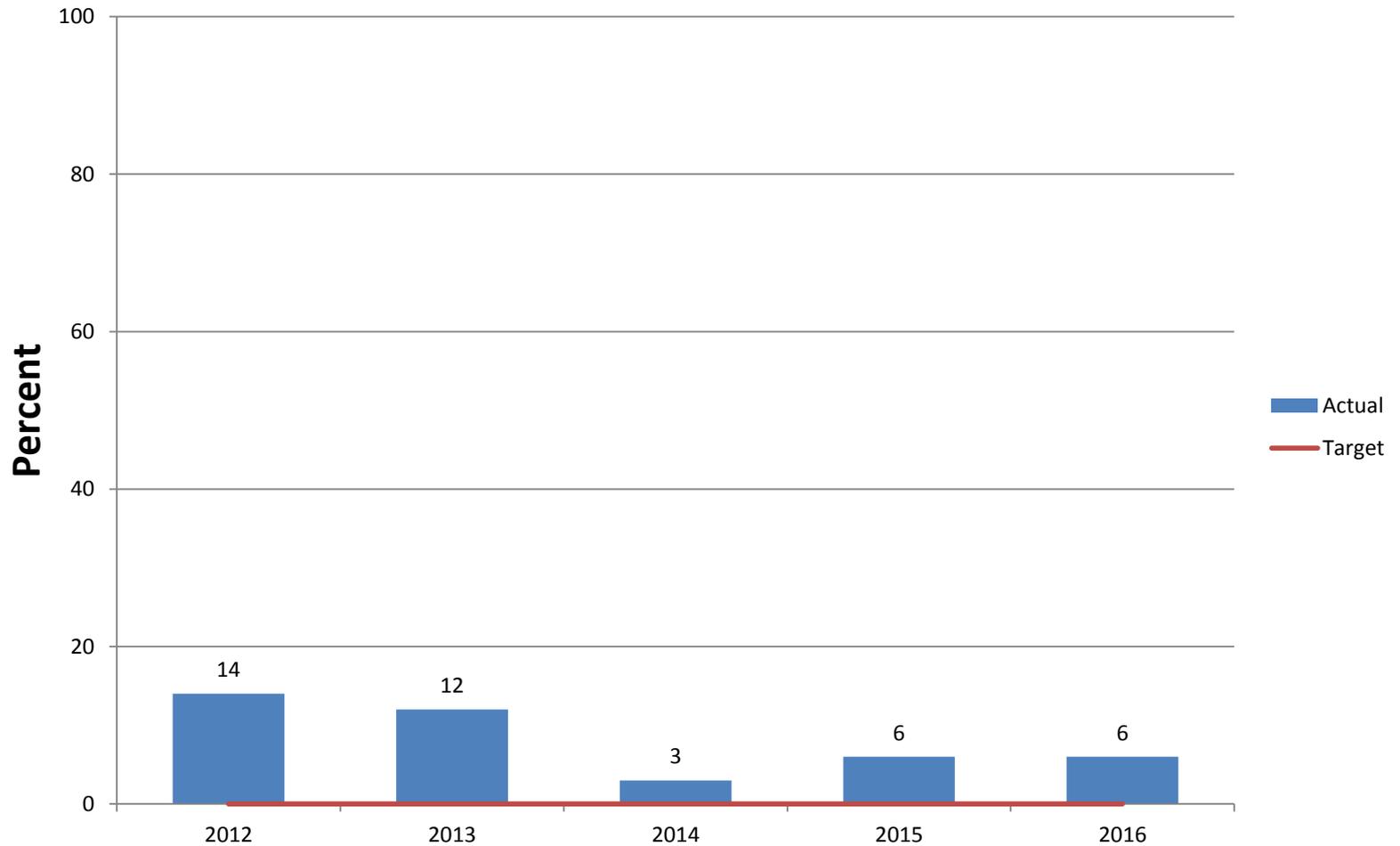
# KPM 7a

Percent of monitored stream sites with significantly improving trends in water quality



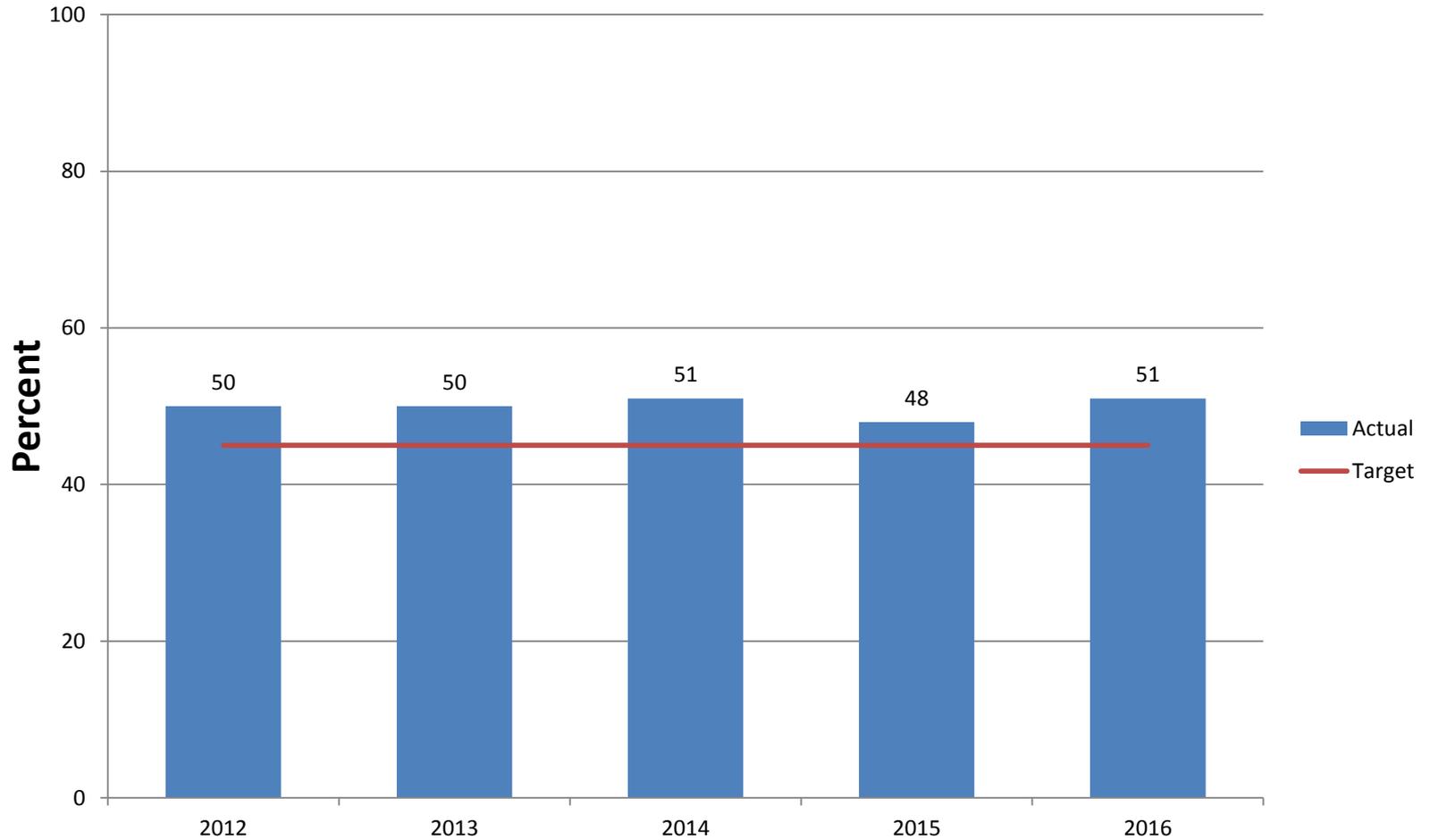
# KPM 7b

Percent of monitored stream sites with significantly declining trends in water quality

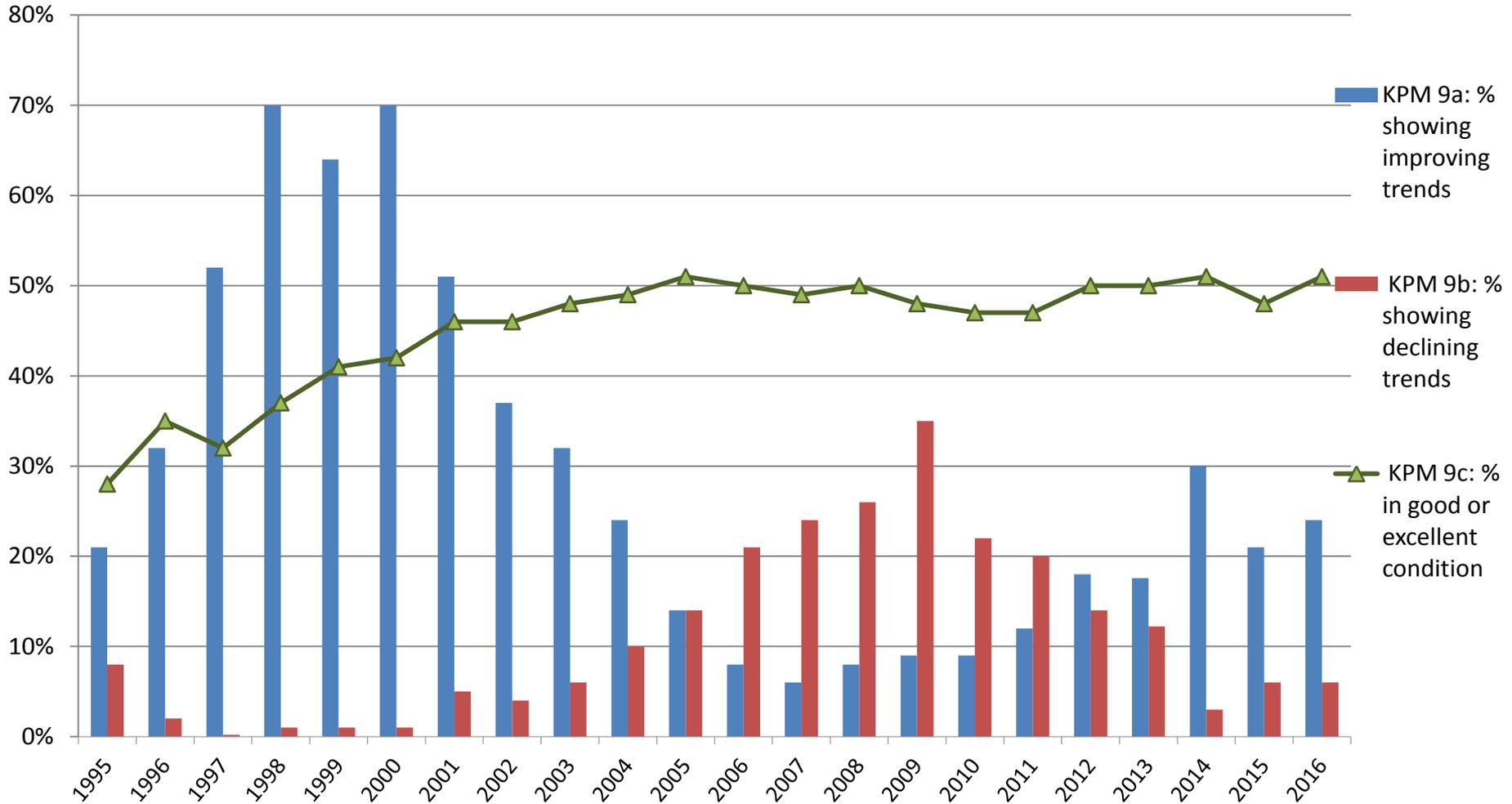


# KPM 7c

Percent of monitored stream sites with good to excellent water quality



# Water Quality Trends



# 2016 Water Quality Index

## Legend

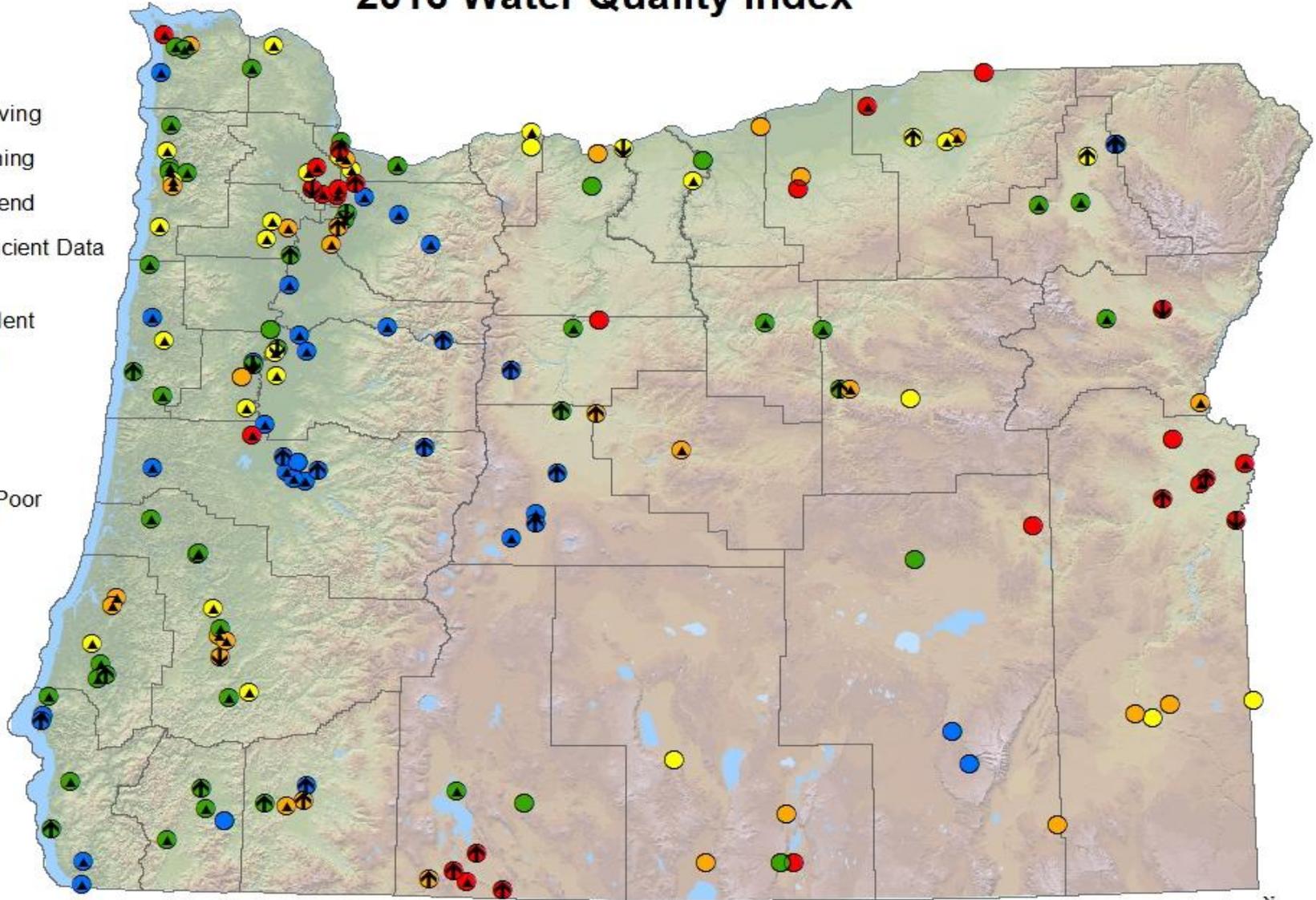
### Trend

- ↑ Improving
- ↓ Declining
- ▲ No Trend

○ Insufficient Data

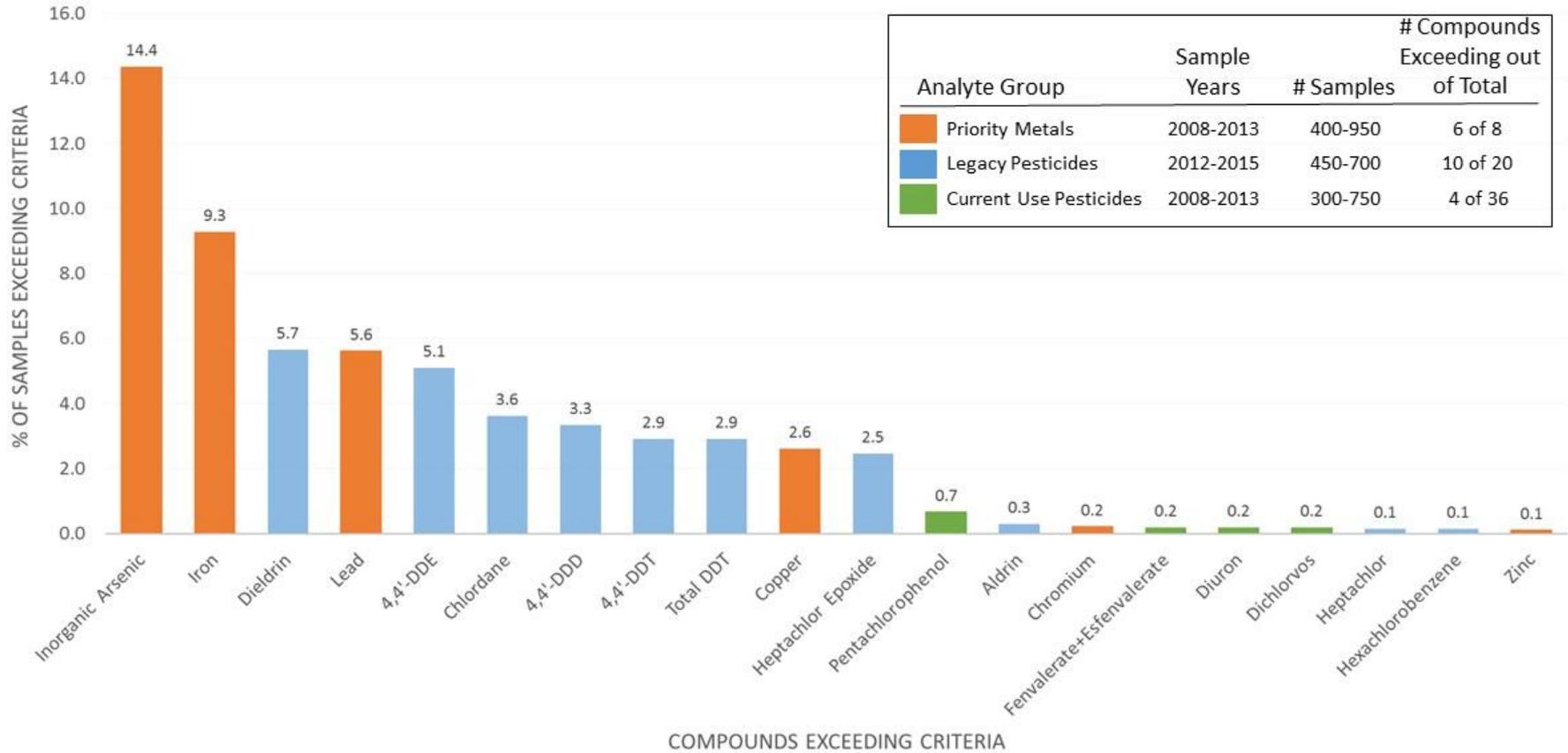
### Status

- Excellent
- Good
- Fair
- Poor
- Very Poor

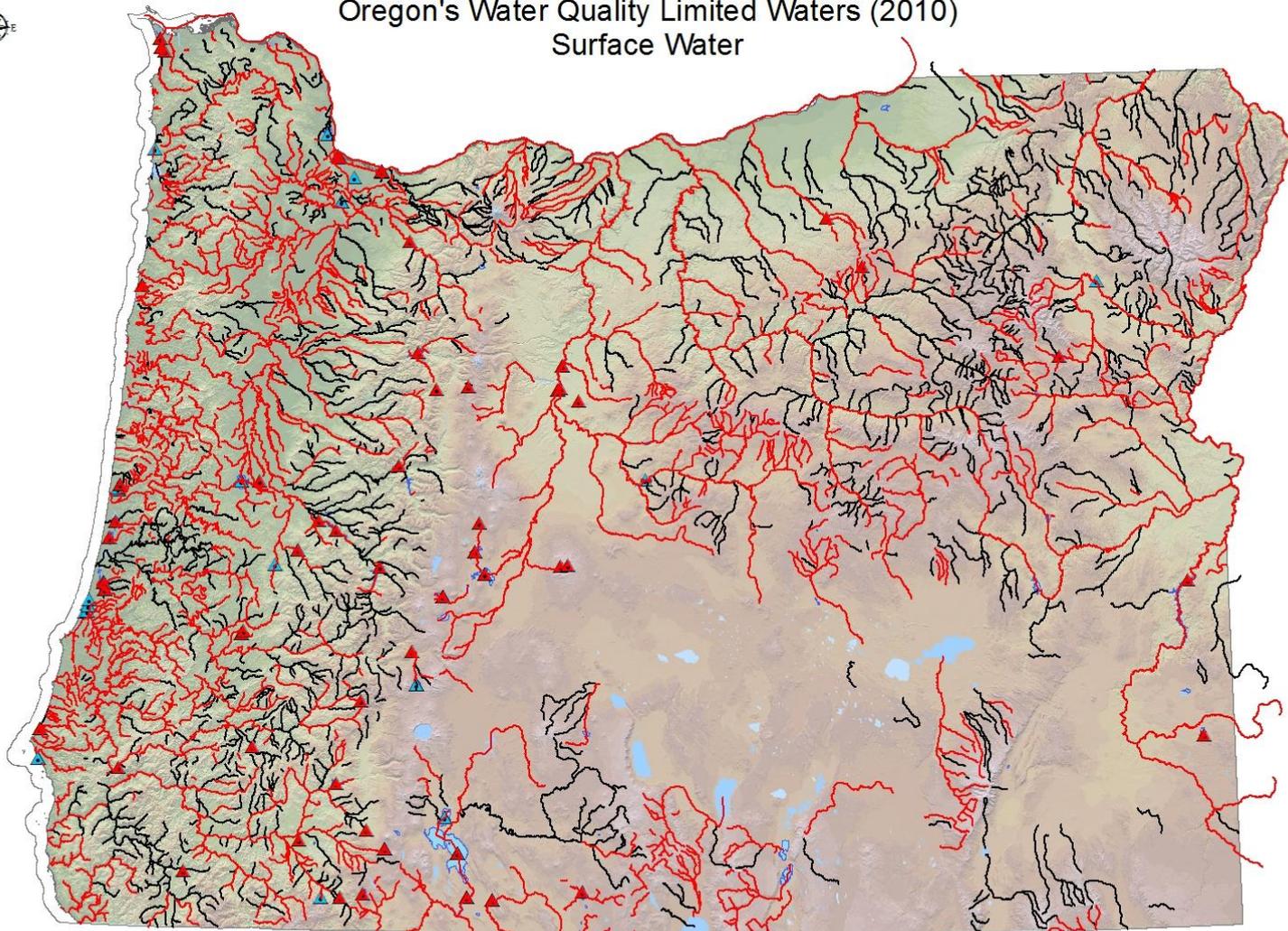


# Water Quality Toxics Program

Compounds Exceeding Criteria by Analyte Group



# Oregon's Water Quality Limited Waters (2010) Surface Water



**Impaired - 303(d) list, needs TMDL for one or more pollutants**

Streams    Lakes

**Impaired - TMDL approved for one or more pollutants, or impaired by non-pollutants**

Streams    Lakes



Notes:  
1) Based on Oregon's 2010 Integrated Report for the Clean Water Act 303(d)(5)(B) (EPA approved December 14, 2012).  
2) Prepared by Oregon Department of Environmental Quality Water Quality Division Standards & Assessment Section (on 12 JUL 2013, Rev. 13 MAR 2015 (603)).  
3) File: \\cedq01\wqassessment\2010\_WQAssessment\Geodatabases\2010\WQ\_2010\_integratedReport\_V3\Map\2010WQLimited.mxd

# Water Quality Program

- Surface Water/Groundwater
- Water Quality Standards
- Monitoring and Assessment
- Clean Water Plans
- Nonpoint Source
- Permitting and Inspections
- Certification and Licensing
- Grants and Loans



# Water Quality by the numbers

- Permit more than **6,000** point sources
- Work with counties to permit and evaluate about **800** onsite septic systems per year
- License more than **700** onsite septic system installers and service providers
- Certify more than **1,700** wastewater system operators
- Loaned over **\$1.15 billion** to **354** public entities for water quality improvement projects

# Clean Water Plans



# Partners Around the TMDL table

## State NR Agencies

Ag & Rural Lands  
Non-federal Forests  
Fisheries & Habitat needs

## Education/Outreach

Soil & Water Conservation Dist.  
Ag Extension  
Watershed Councils

## Funding Conservation

Oregon Watershed Enhancement Board  
NRCS  
USDA Farm Service Agency

## Point Source Permittees

Urban and Rural NPS  
Management  
Local Governments

## Federal Land Management

Bureau of Land Management  
US Forest Service  
Corps of Engineers

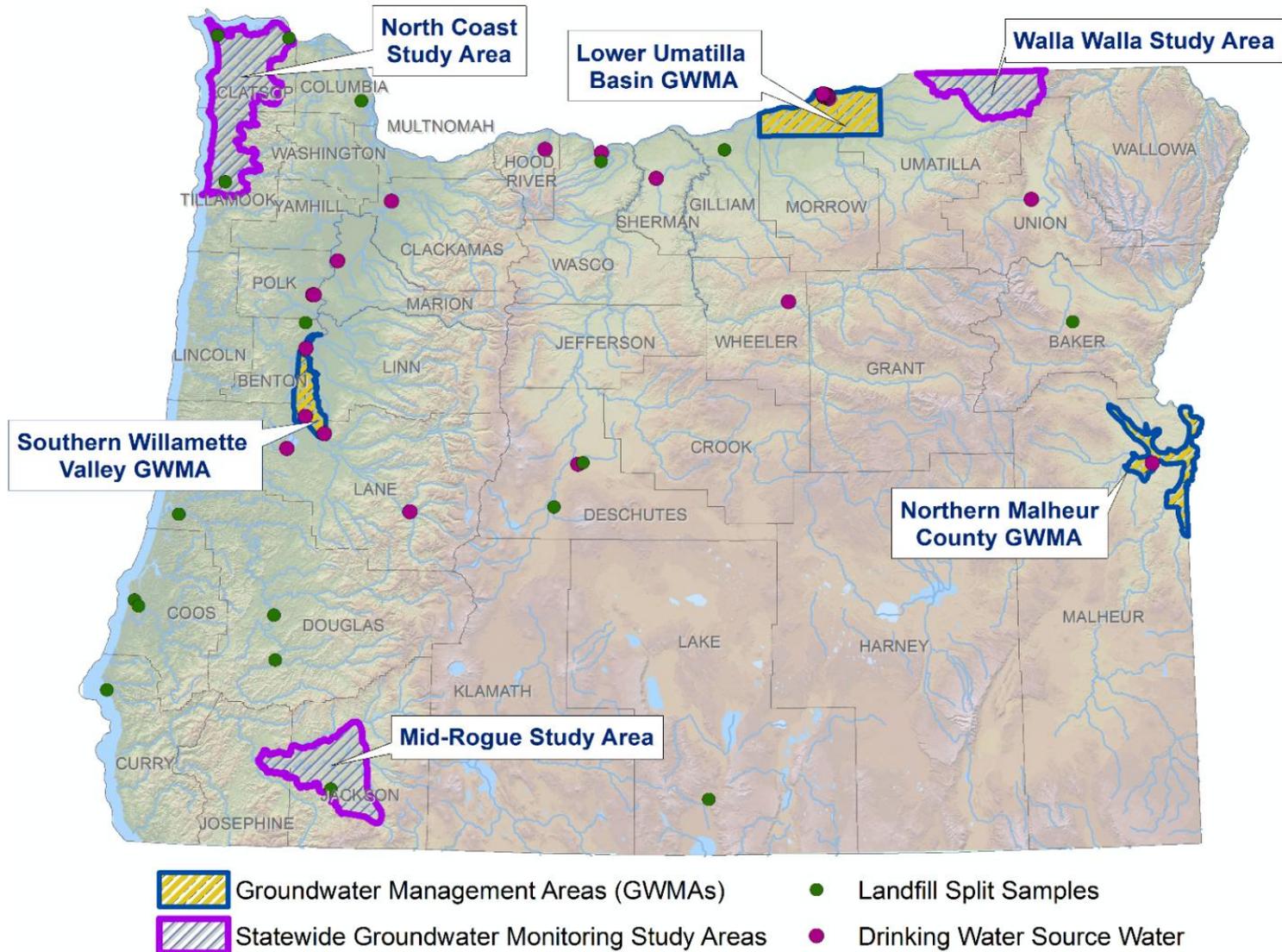
## Private Landowners

Private Land Management

# Partnerships

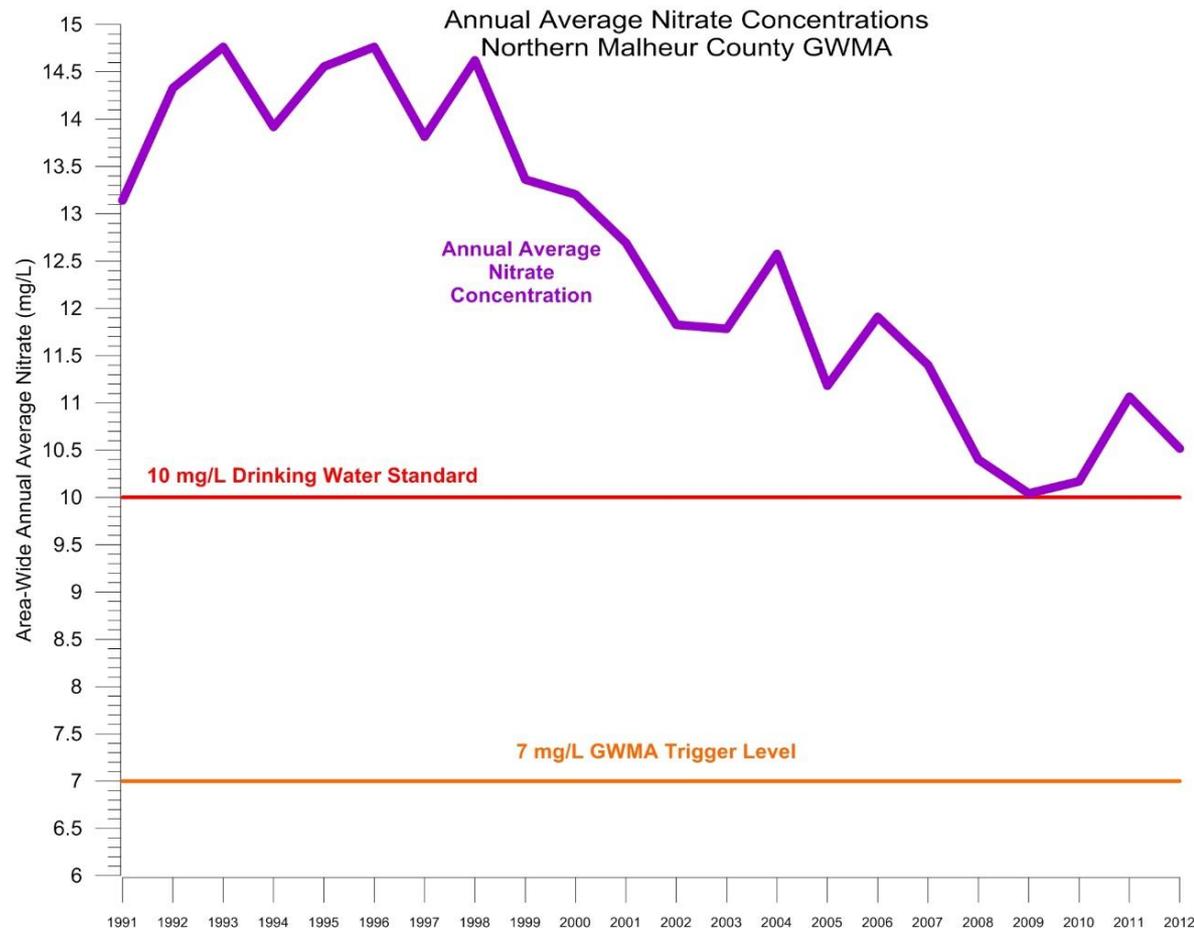


# Groundwater Monitoring and Management



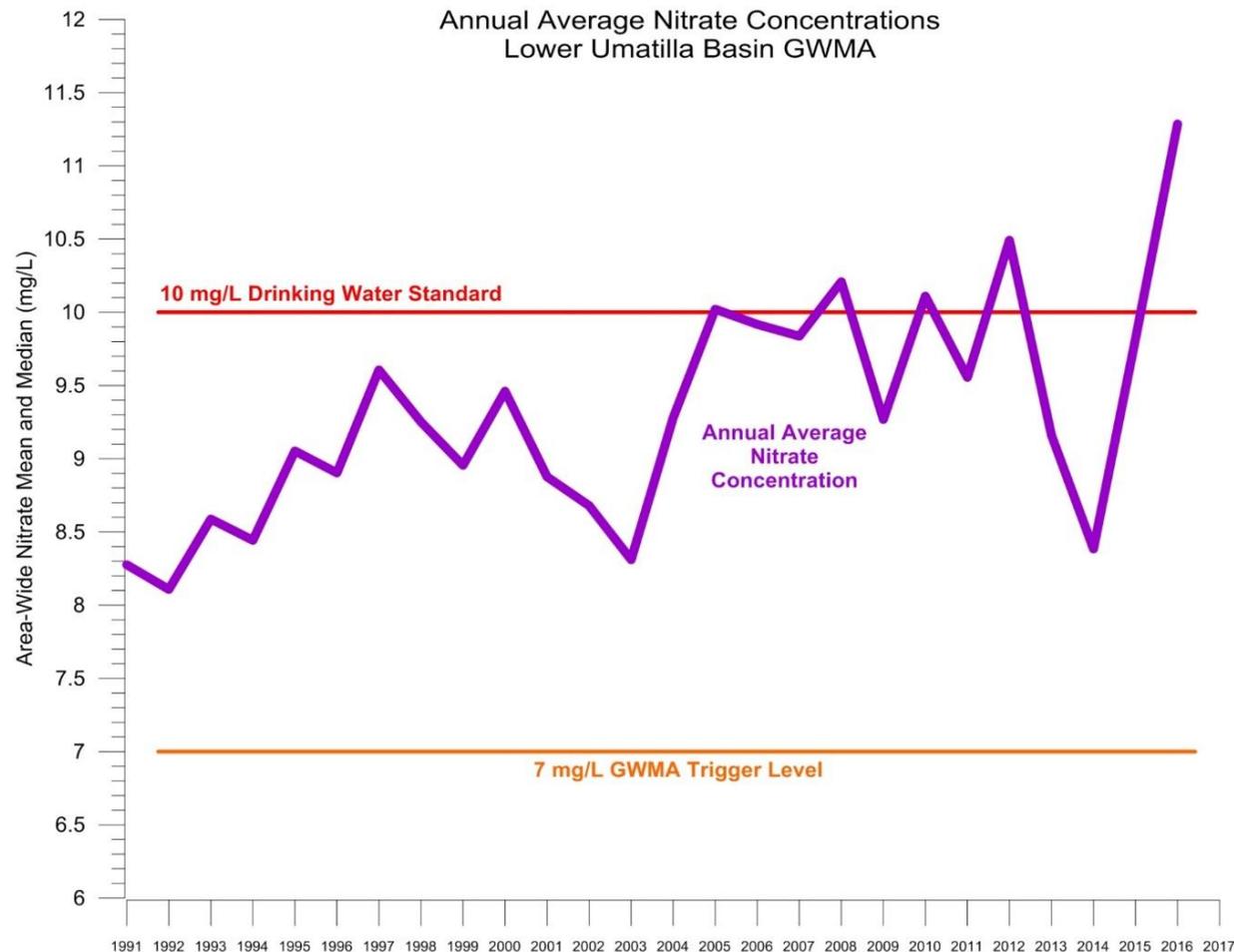
# Northern Malheur County GWMA

- Sampling began in 1991
- Flat trend through 2001; began decreasing in 2002
- Improvements resulted from adoption of new BMPs
- Success attributed to partnerships between growers, OSU Extension, OSU Experiment Station, SWCDs and watershed councils; new management practices implemented

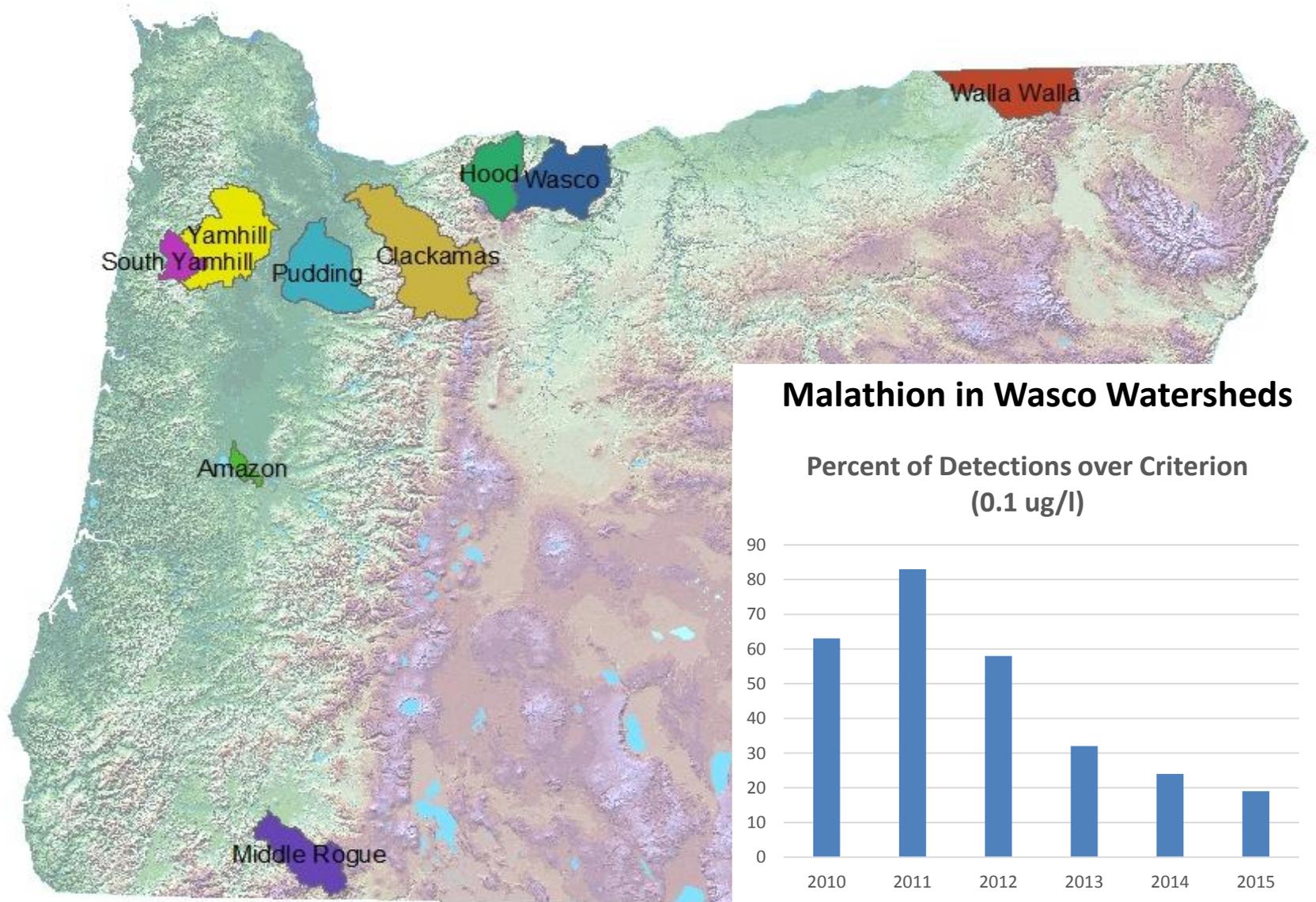


# Lower Umatilla Basin GWMA

- Sampling began in 1991
- Trend increasing slightly
- Local GWMA committee developed revised Action Plan
- OSU Extension researching methods for reducing nitrate leaching



# Pesticide Stewardship Partnerships

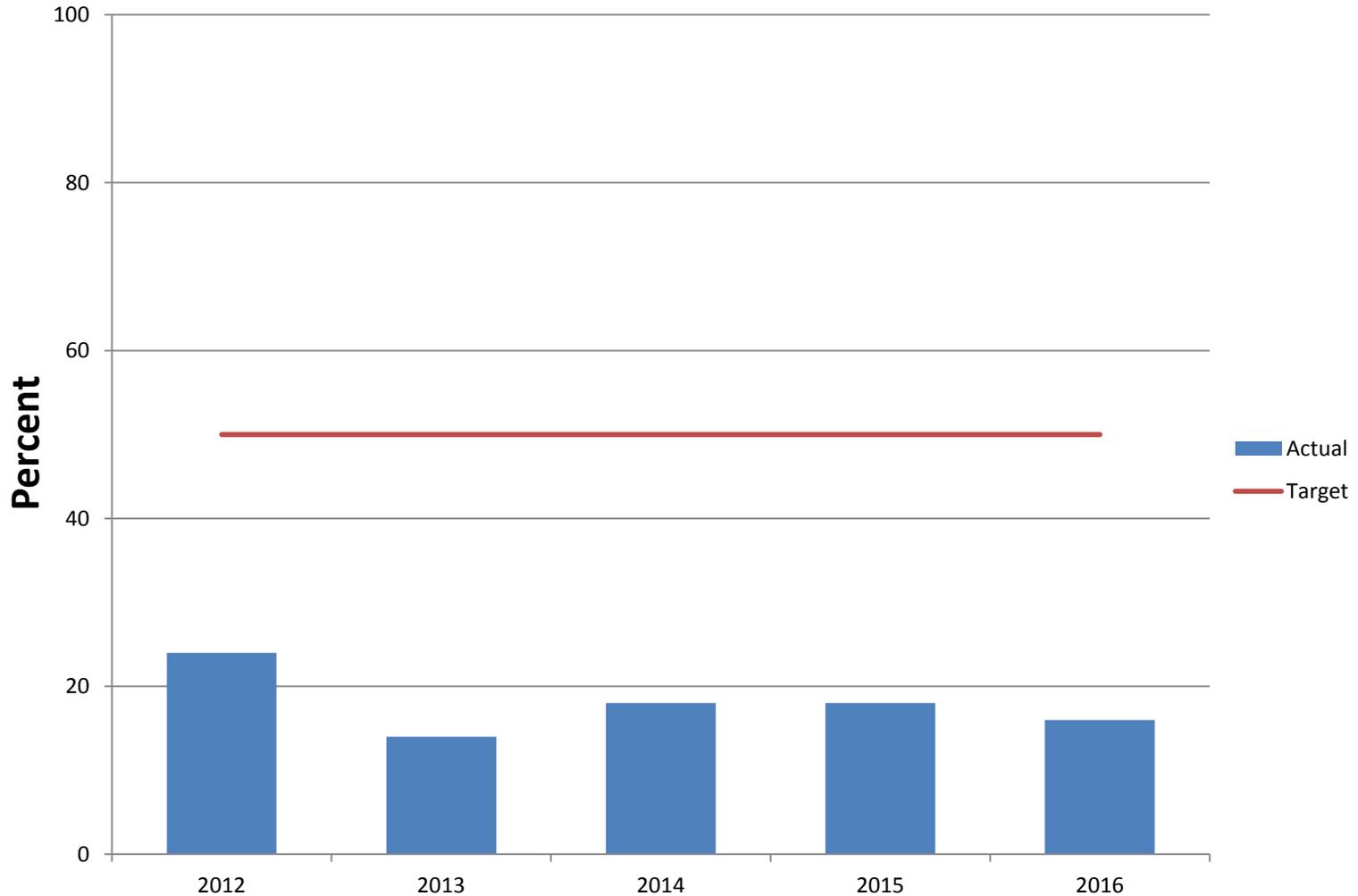


# Water Quality Permitting

- Permitted Sources:
  - Municipal wastewater
  - Industrial wastewater
  - Stormwater runoff from cities, construction and industrial sites
  - Miscellaneous other point source discharges
- Individual permits and general permits
- Increasing universe of permitted activities
- Increasing complexity for DEQ and permittees

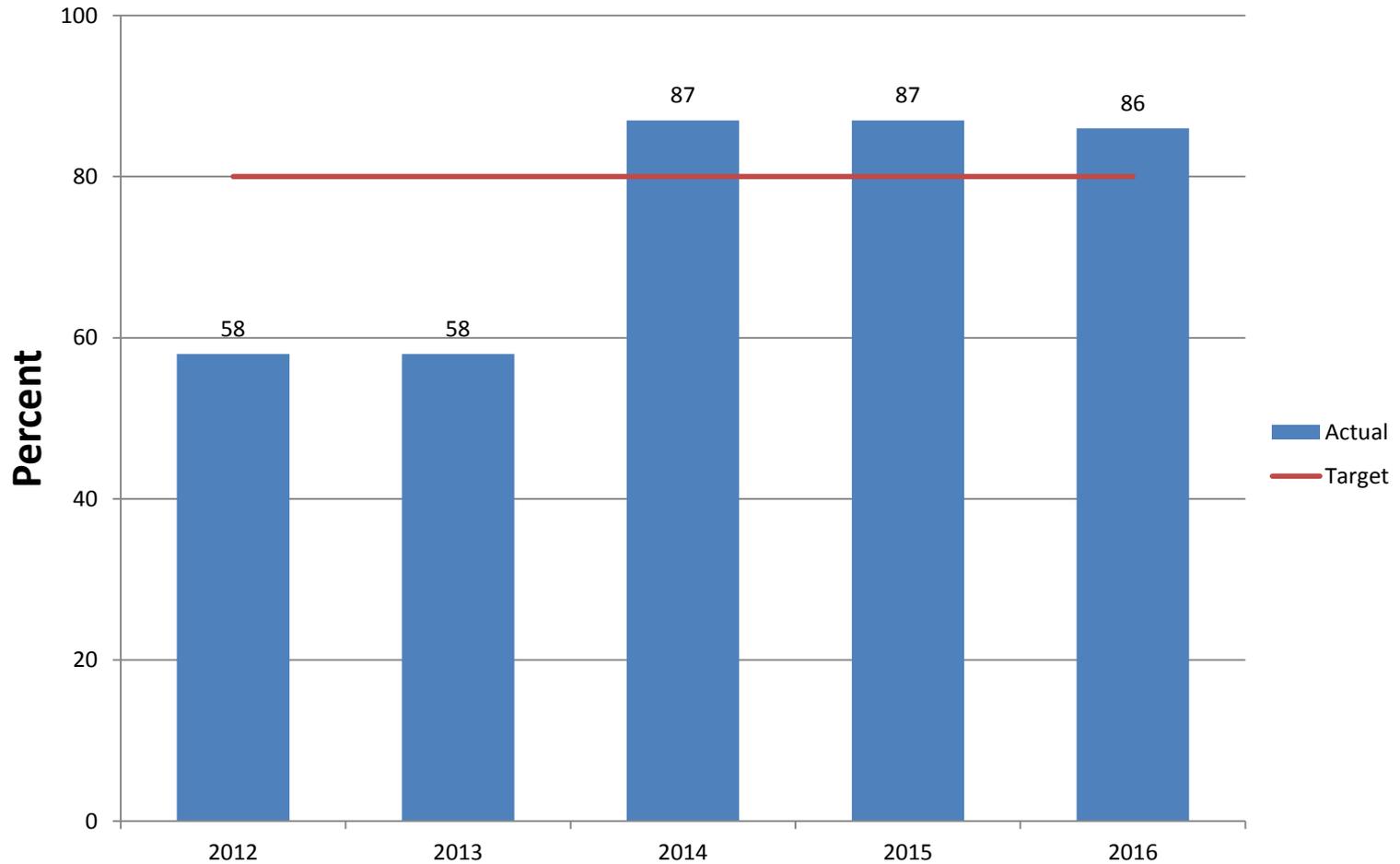
# KPM 3

Percentage of individual wastewater discharge permits issued within 270 days of completed application



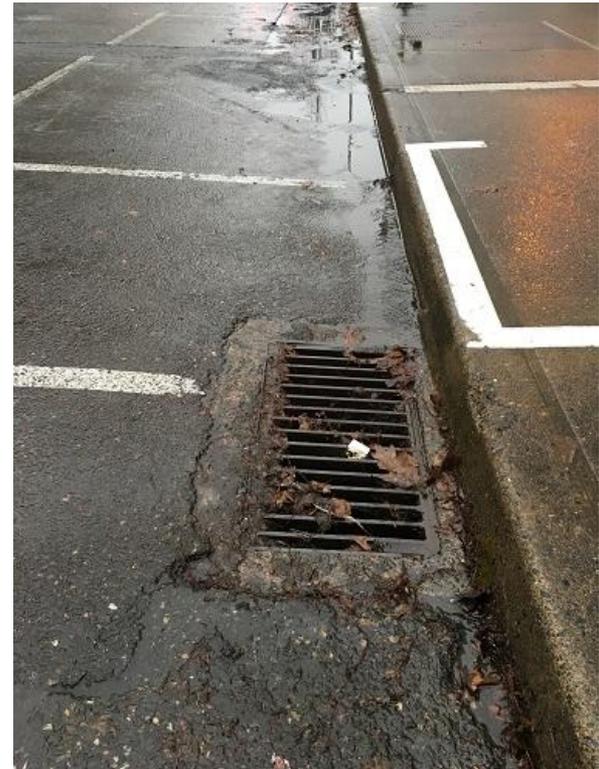
# KPM 4

Percentage of total wastewater permits that are current



# Package 120: Minimizing Impacts from Urban Stormwater

- Urbanization increases variety and amount of pollutants that get into waterways
- Medium and large urban areas required to minimize polluted runoff and illegal discharges
- DEQ lacks resources to issue timely permits, evaluate compliance, and provide clear direction to permittees



# Package 120: Minimizing Impacts from Urban Stormwater (continued)

Program	Package Type	FUND	Amount	Pos	FTE
Water	Service Continuation	OF	343,729	2	1.76

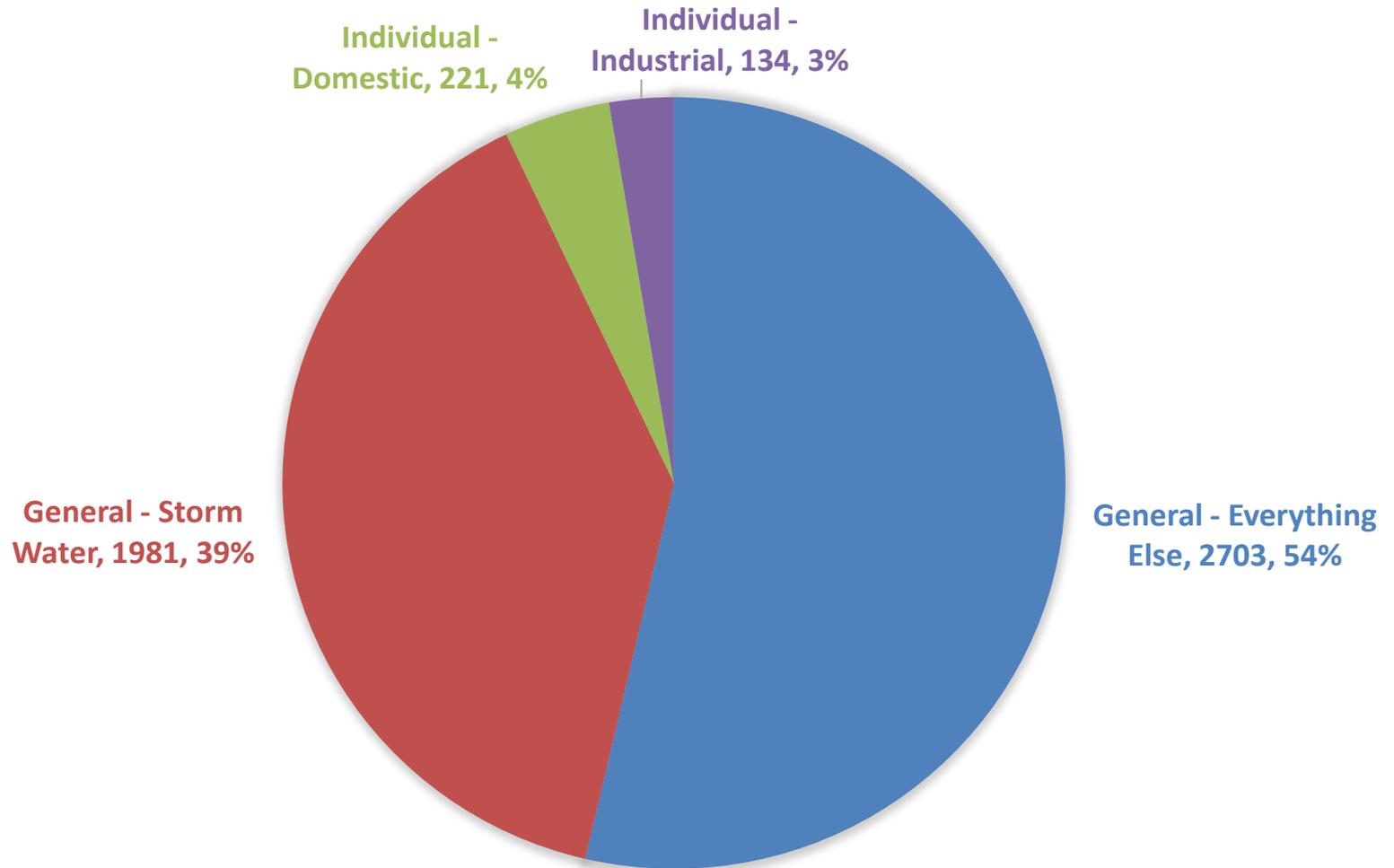
- Restores one position and establishes a second position on fees
- Provides minimum staffing level needed to issue timely permits and follow up on compliance issues
- In the Governor's Recommended Budget, fees pay for 59.1 percent of the cost of the wastewater permitting program overall

# Package 125: Water Quality

## Permit Program Improvements

- Long-term backlog of federal NPDES permits
- 2015 budget note directed DEQ to have contractor conduct an independent evaluation
- Outdated permits:
  - May not include current water quality standards
  - Cannot be modified to accommodate expansion or upgrades
  - May impede economic development if new facilities need discharge permits in same area

# NPDES Permit Universe



# House Bill 5018 (2015) Budget Note

Directed DEQ to hire a consultant to evaluate its permitting program and make recommendations to improve the quality and timeliness of individual permits.

DEQ submitted the Water Quality Permit Program Evaluation [report](#) to the Interim Ways and Means Committee, December 2016.

# Package 125: Water Quality

## Permit Program Improvements (continued)

### Key areas of concern:

- Lack of centralized authority
- Lack of coordination between planning and permitting
- Solutions can be complex and expensive

### Recommendations:

- Centralize decision making
- Improve data management
- Improve integration of permits, standards, TMDLs
- Realign staff to allow more time for permit writing
- Improve accountability and transparency

# Package 125: Water Quality

## Permit Program Improvements (continued)

Pkg No.	Program	Package Type	FUND	Amount	Pos	FTE
125	Water	Expanding Capacity	GF/OF	714,286	4	3.27

- Establishes four new positions
- Partially supports recommendations from program evaluation
- Improves ability to issue timely and quality permits

# Clean Water State Revolving Fund

Supports communities and improves water quality statewide

Over \$1 billion loaned since 1990



## City of Gold Beach: New digesters



# Package 181/191: Clean Water

## State Revolving Fund

Program	Package Type	FUND	Amount	Pos	FTE
Non Limited	Service Continuation	OF	30,150,000	-	-
Debt Service	Service Continuation	OF	10,020,000	-	-



- Non-limited expenditure approval
  - \$30 million from federal capitalization grants
  - \$10 million in bonds to provide match
  - \$150,000 bond issuance costs

# DEQ Regional Solutions Team

## Valley North Coast

- North Coast Region
- Mid-Valley Region
- South Valley/Mid Coast Region

## Southern Oregon

- South Coast Region
- Southern Oregon Region

## Metro

- Metro Region

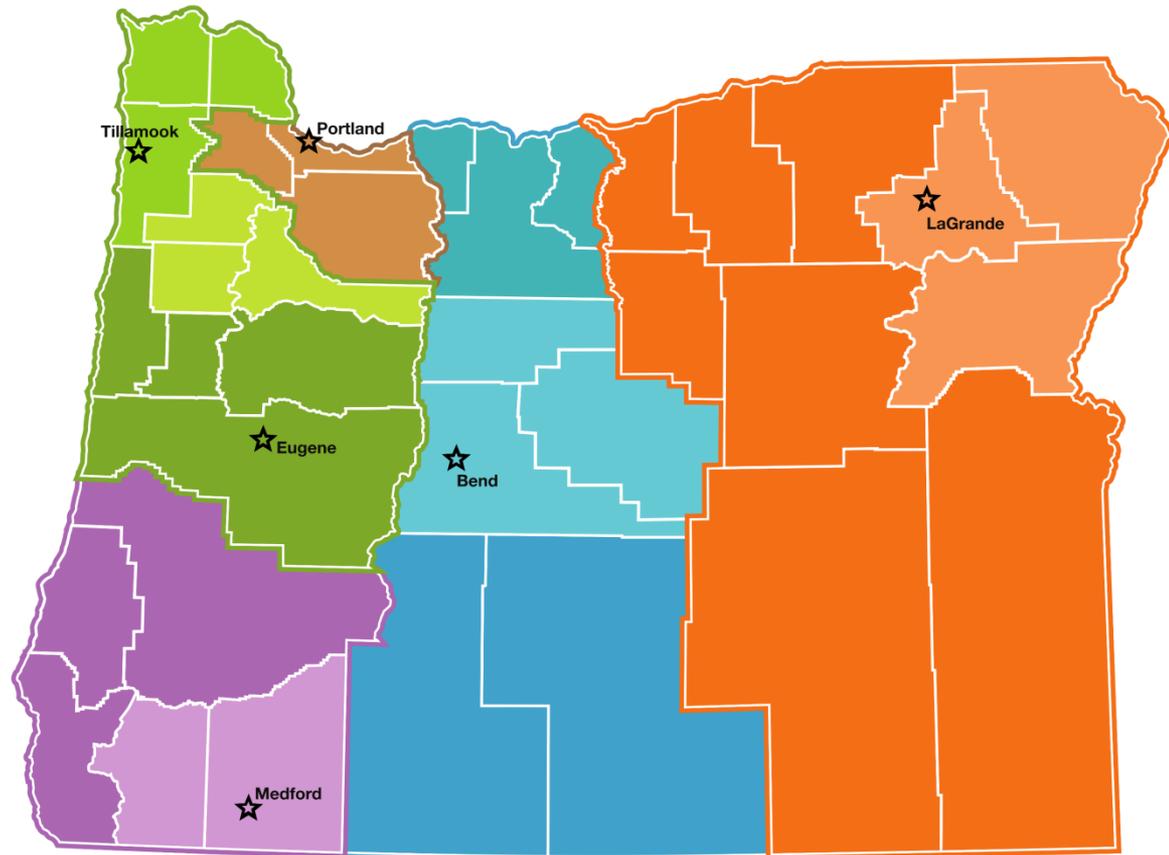
## Central Oregon

- Central Region
- North Central Region
- South Central Region

## Eastern Oregon

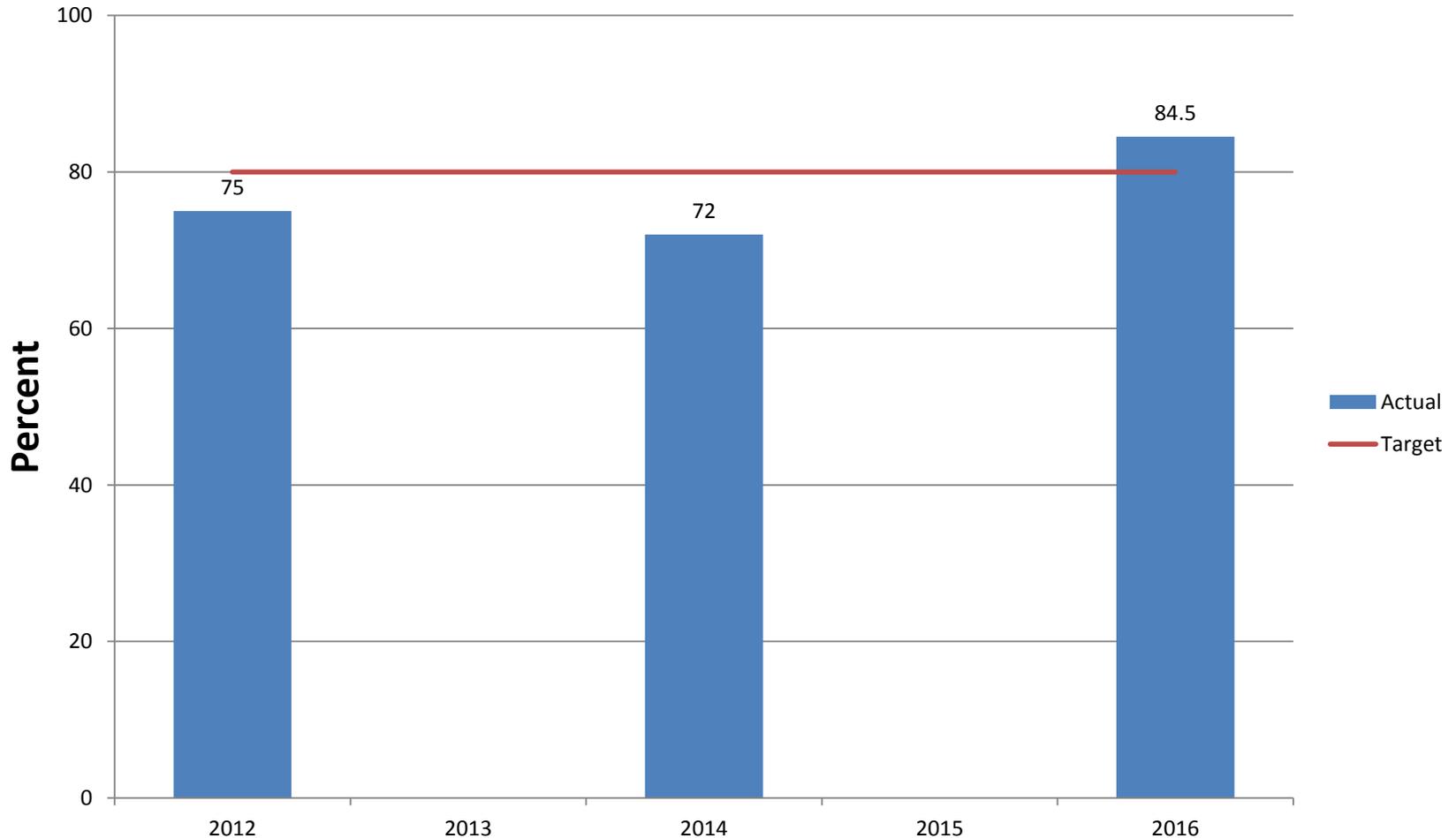
- Greater Eastern Oregon Region
- Northeast Oregon Region

★ Regional Solutions Center



# KPM 11

Percent of local participants who rank DEQ involvement in Regional Solutions Team process as good to excellent

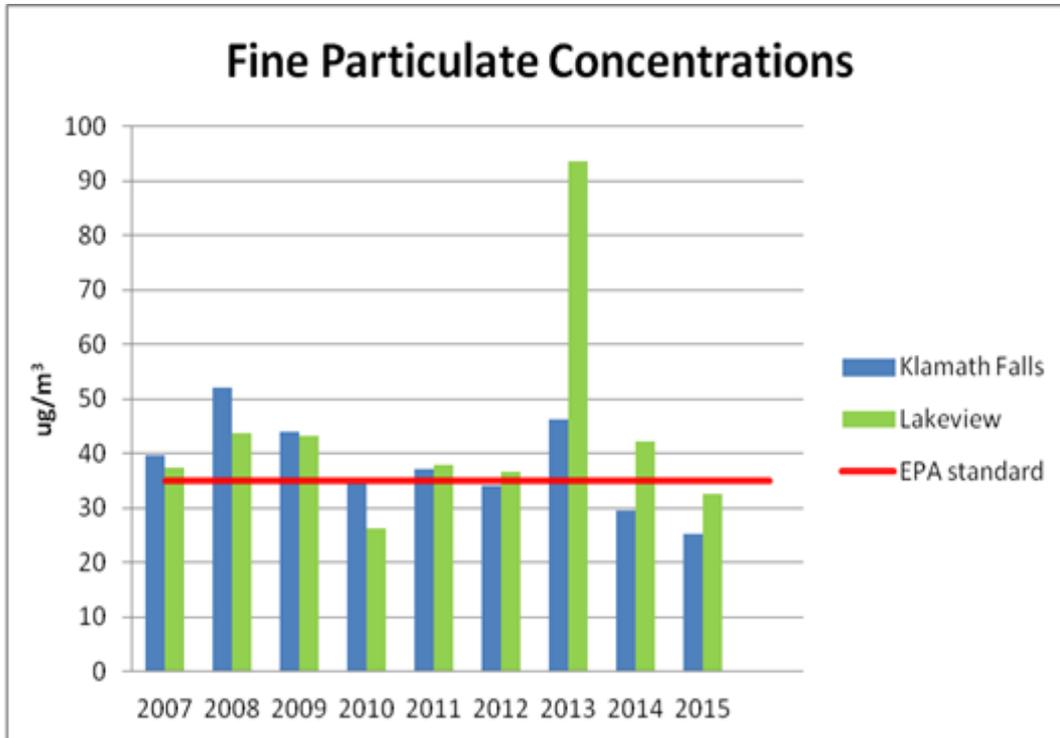


# Regional Solutions Team projects: Troutdale Reynolds Industrial Park



- 3,300 jobs
- \$410 million personal income tax
- \$41 million state/local taxes

# Regional Solutions Team Projects: Lakeview and Klamath Falls Improving Air Quality



- Federal air quality violations impact businesses
- Project to replace old woodstoves leads to cleaner air

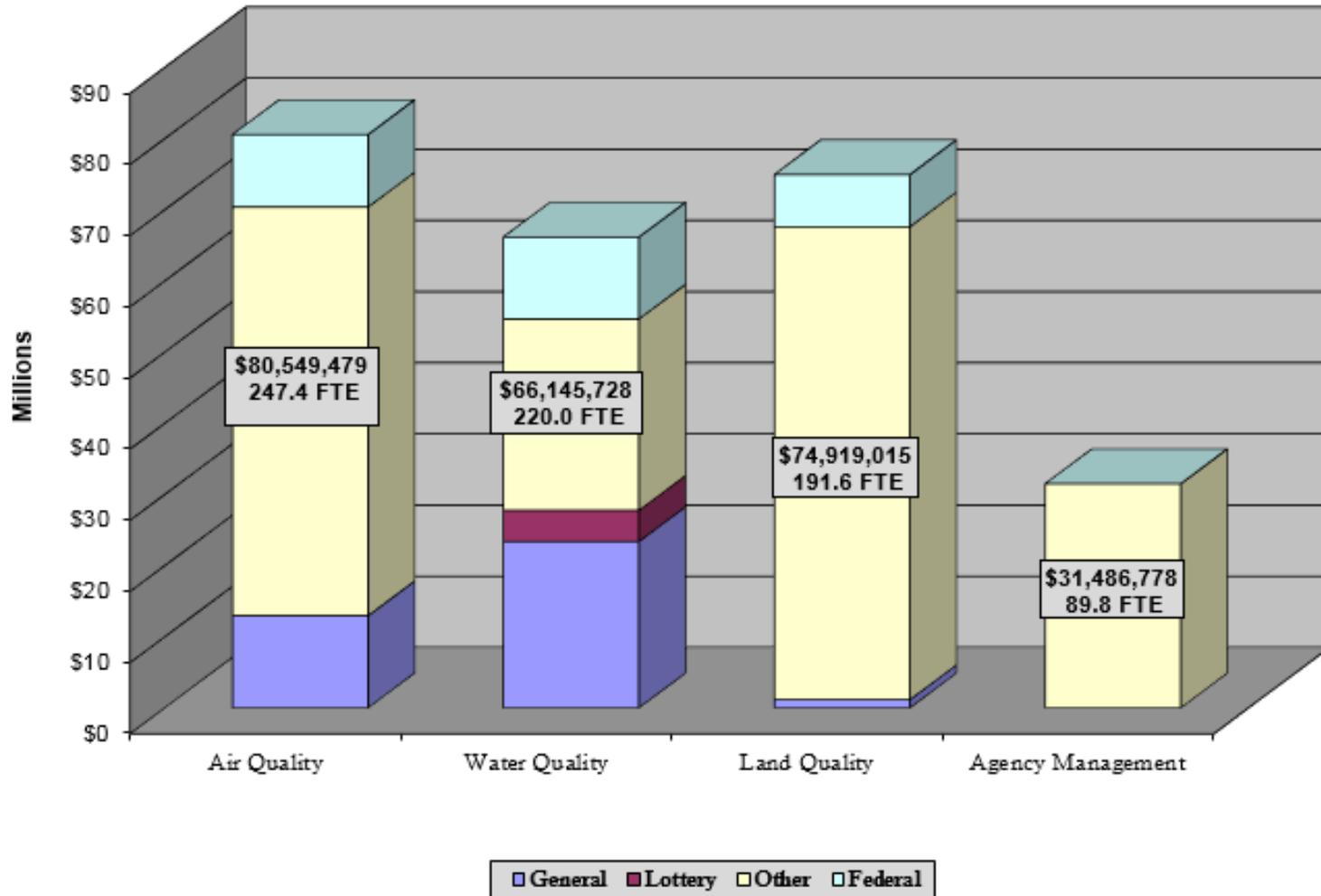
**2017-19**

**Governor's Recommended Budget**

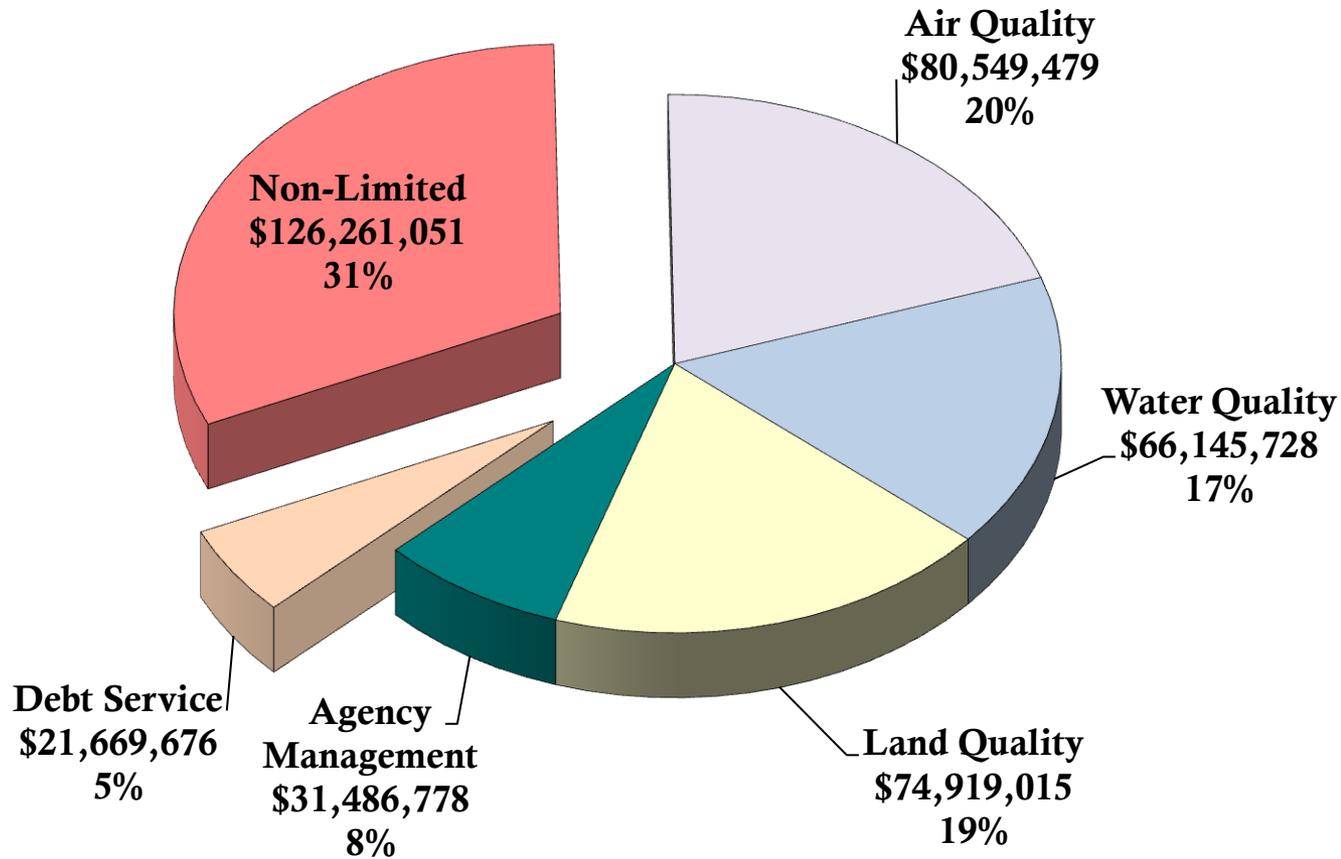
# 2017-19 Governors Recommended Budget (Operations)

\$253,101,000

748.8 FTE

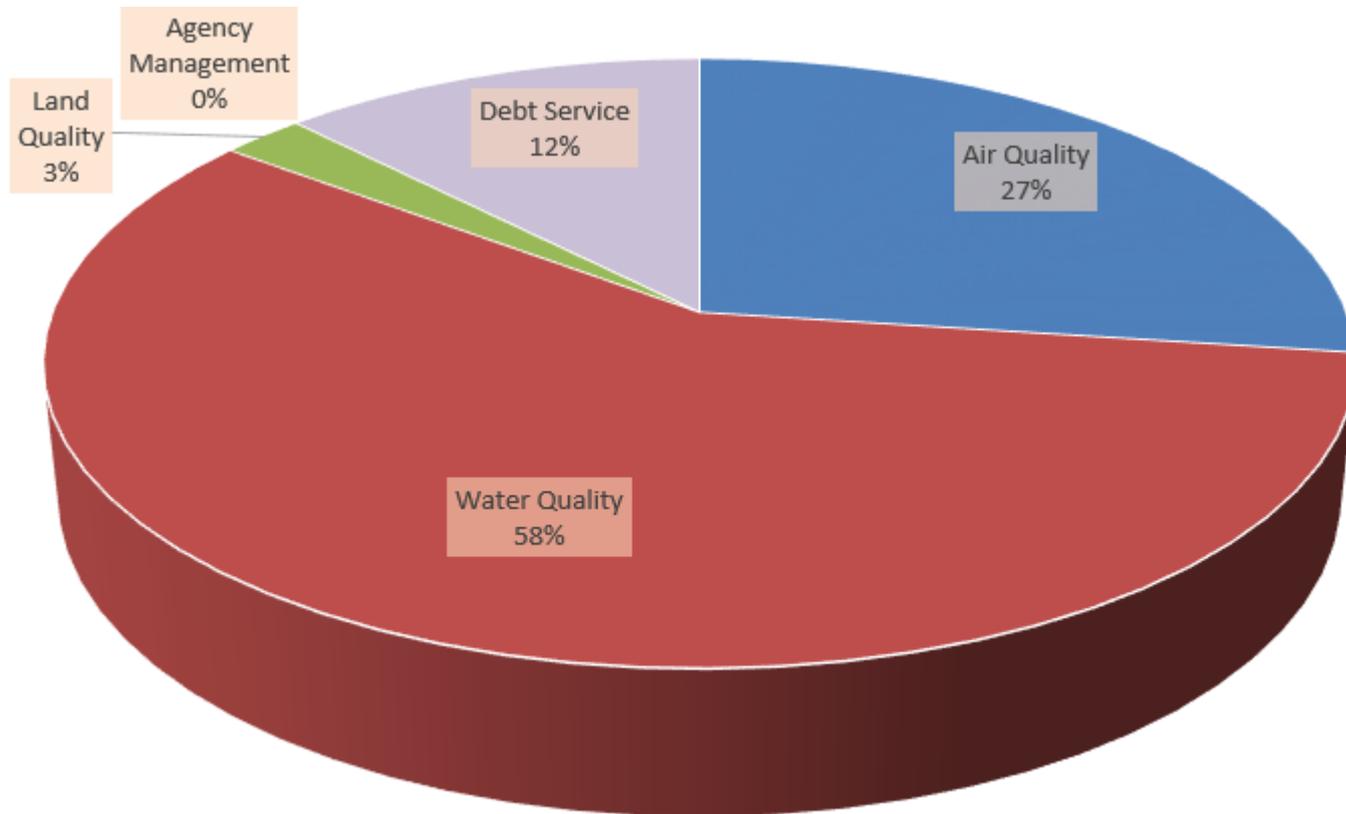


# 2017-19 Total Governor's Recommended Budget

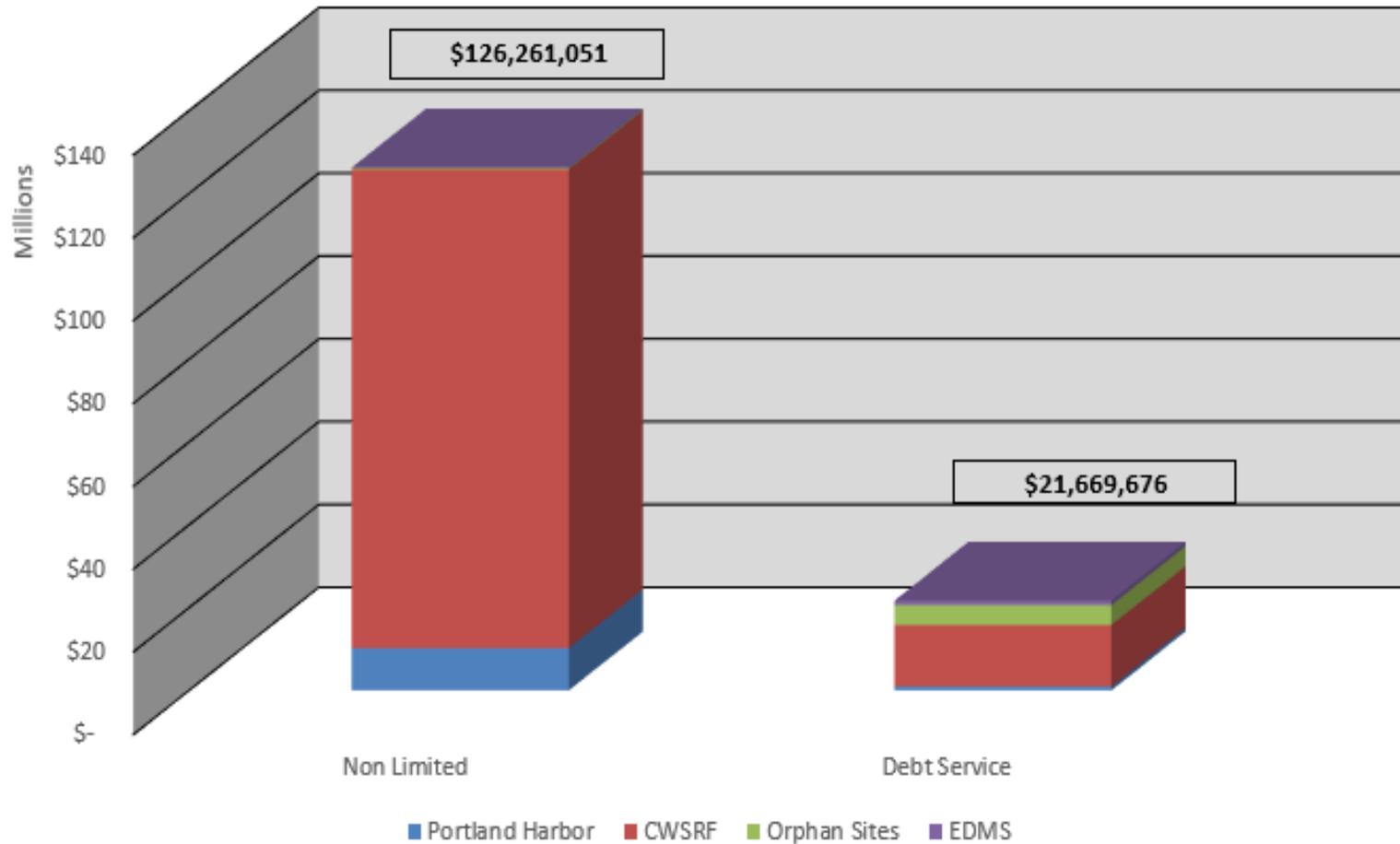


# 2017-19 Governor's Recommended Budget

## General and Lottery Funds



# 2017-19 Bond Limitation and Debt Service



# Revenue Shortfalls – Package 070

Reductions			Restoration Requests	
Dollars	FTE	FUND	PKG	Status

## Aligning to Conditions

Clean Watershed Needs Survey	\$ (187,309)	-1.00	OF		
	\$ (187,309)	-1.00			

## Impacting Services

ACDP	\$ (723,557)	-4.00	FF/OF	110	Recommended
Title V	\$ (391,227)	-2.00	OF		
Vehicle Inspection Program	\$ (2,065,576)	-7.00	OF		
Stormwater Permitting	\$ (406,651)	-2.00	OF	120	Recommended as modified
Toxics monitoring and groundwater	\$ (657,744)	-3.50	FF/OF	121	Not recommended
Water Quality Standards	\$ (186,576)	-1.00	FF	122	Not recommended
Nonpoint Source Pollution Control Grants	\$ (1,000,000)	0.00	FF		
Underground Storage Tank Inspections	\$ (333,586)	-2.00	OF	132	Recommended
Emergency Response	\$ (422,255)	-2.60	OF	135	Not recommended
	\$ (6,187,172)	-24.10			

# 10% Reduction Options

## General Fund

Priority	Program	Description	\$\$ GF	Pos	FTE
1	Air	Lane Regional Air Protection Agency	26,689	0	-
2	Air	PM 2.5 speciation	192,000	1	1.00
3	Water	Eastern Region basin specialist	200,000	1	1.00
4	Air	Ozone monitoring	136,000	1	0.50
5	Water	Integrated Water Resources Strategy	250,000	1	1.00
6	Water	Nonpoint Source Policy	238,000	1	1.00
7	Water	GWMA, toxics and groundwater monitoring and analysis (Moved 1 FTE and \$214,496 to Lottery Funds)	387,000	1	1.00
8	Air	Heat Smart	296,000	1	1.00
9	Water	Nonpoint Source Coordination	276,000	1	1.00
10	Water	Integrated Water Resources Strategy	250,000	1	1.00

 Reduction taken at Governor's Recommended Budget

# 10% Reduction Options

## General Fund (continued)

Priority	Program	Description	\$\$ GF	Pos	FTE
11	Water	WPCF permit writer	250,000	1	1.00
12	Air	Emission Inventory	122,590	0	0.50
13	Water	Compliance and enforcement	210,828	1	1.00
14	Air	Planning/project management	163,090	0	0.50
15	Water	GWMA, toxics and groundwater monitoring and analysis	680,307	3	3.00
Total GF Reduction Options			3,678,504	14	14.50

 Reduction taken at Governor's Recommended Budget

# 10% Reduction Options

## Lottery Fund

Priority	Program	Description	\$\$ LF	Pos	FTE
1	Water	Biomonitoring	209,396	1	1.00
2	Water	Biomonitoring	209,396	1	1.00
Total LF Reduction Options			418,792	2	2.00

# Proposed Legislation

- HB 2269: Air Toxics Legislation
- HB 2268: Underground Storage Tank Fees

# Authorized FTE, over time

