



State of Oregon
Department of
Environmental
Quality

DEQ Ways and Means Presentation

2013-15 Governor's Balanced Budget

Ways and Means Subcommittee
on Natural Resources

April 1-4, 2013



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DEQ Mission

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



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1960 to 1970s

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

1980s

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

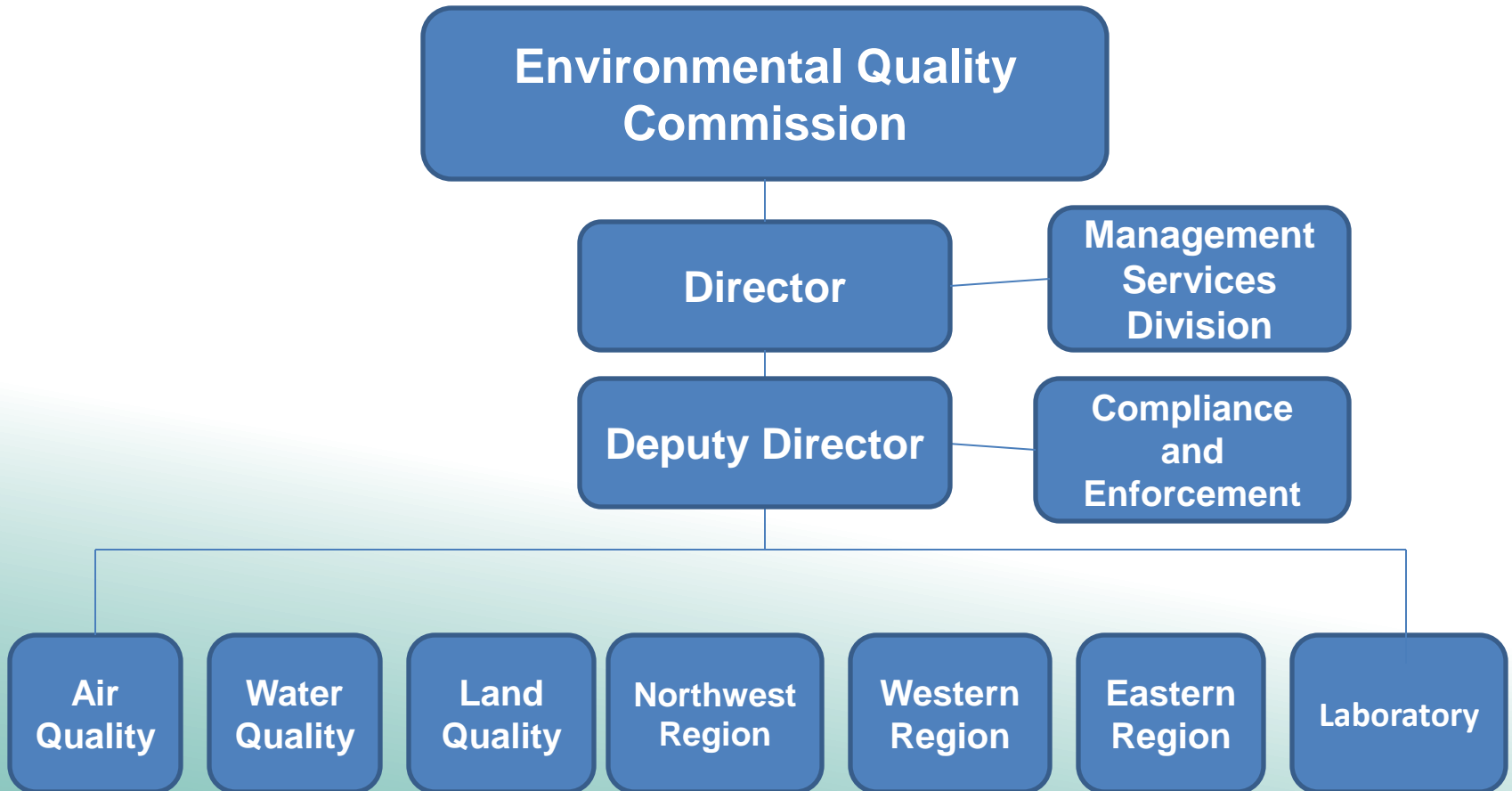
1990s

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

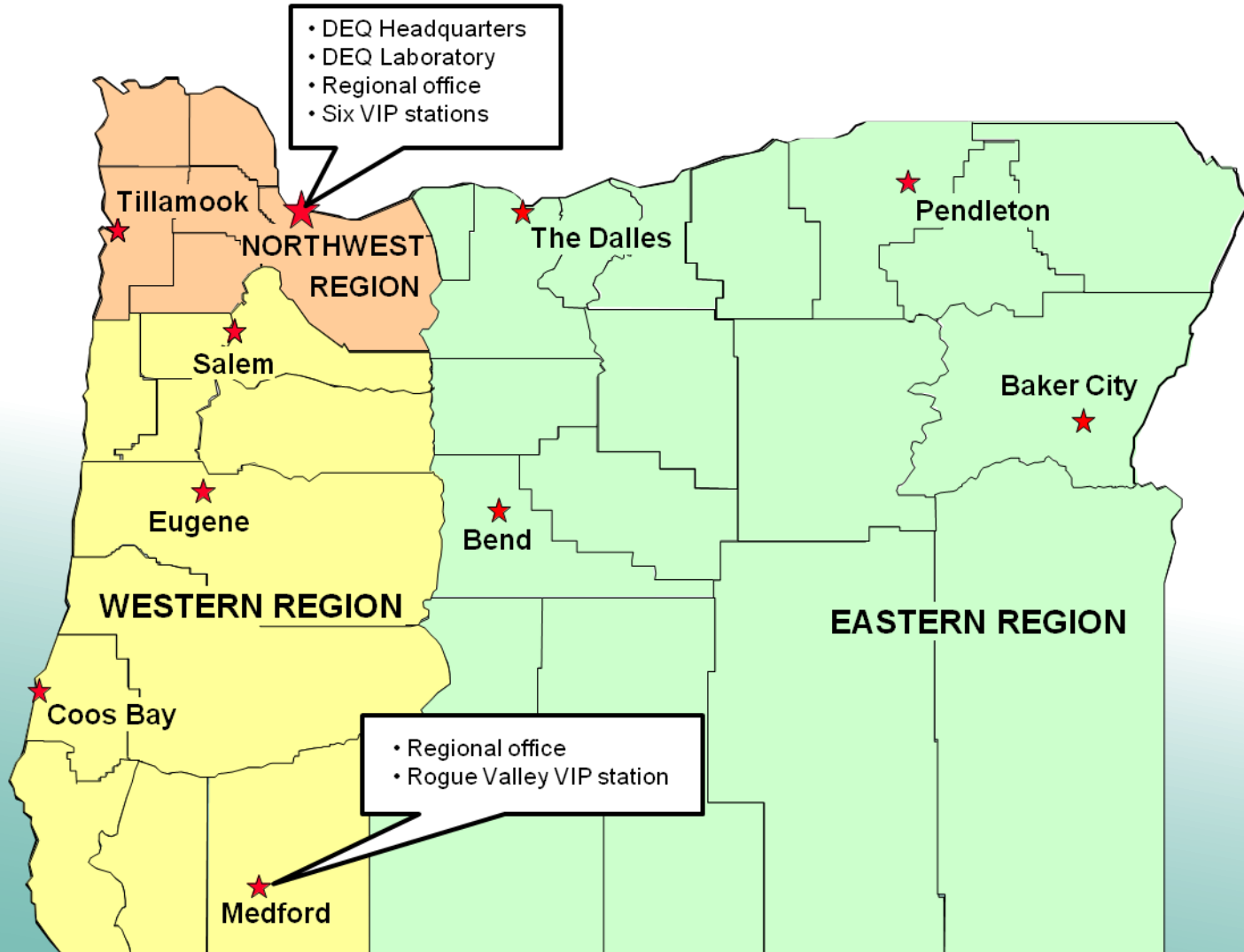
2000 to present

- TMDLs
- Oregon E-Cycles
- Toxics reduction
- Low emission vehicle program
- Pesticide Stewardship Partnerships

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What DEQ does



Drivers affecting DEQ

- Heightened public engagement
- Sources of revenues
- Changing federal regulations
- Lawsuits
- Changing approaches



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DEQ program areas





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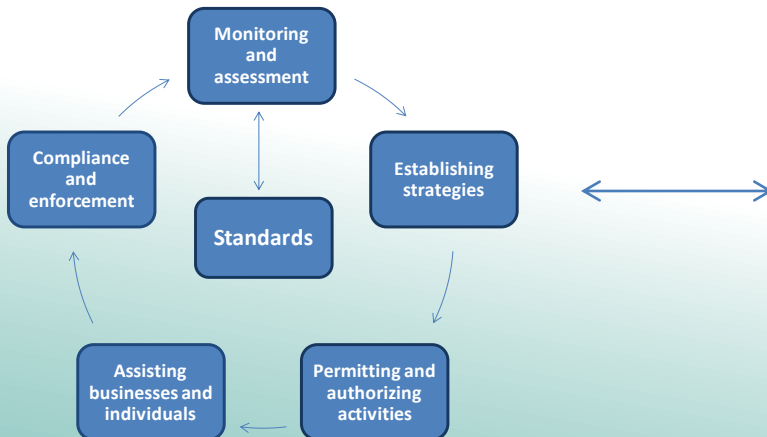
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Air Quality



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Air Quality



Permitting

Heat Smart

Burning Management

Vehicle Inspection

Clean Diesel

Clean Cars

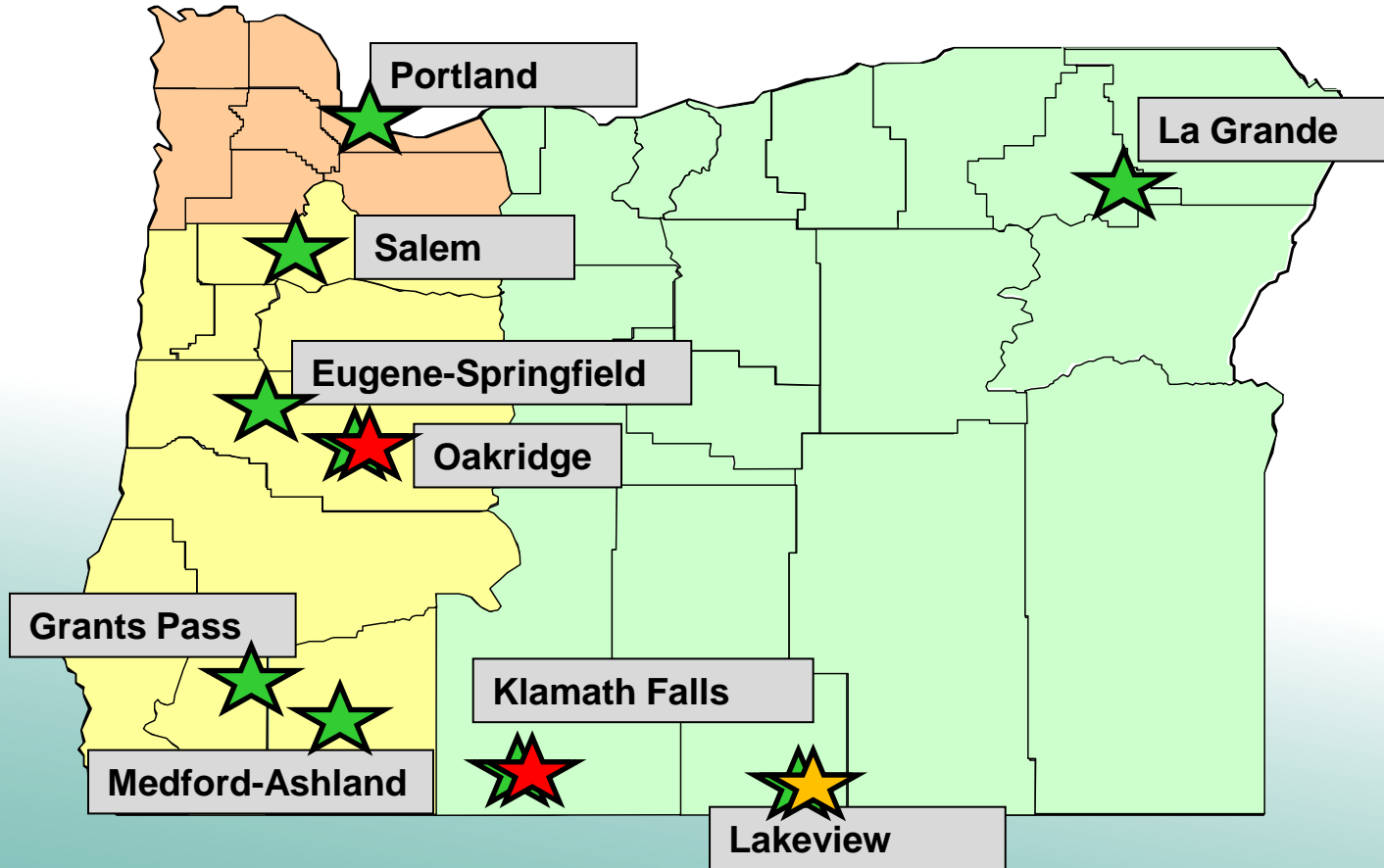
Asbestos Abatement

Air Quality Program goals

- Meet federal standards
- Meet air toxics air benchmarks
- Reduce greenhouse gas emissions
- Reduce haze in national parks, wilderness areas and the Columbia River Gorge

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Meet federal standards



Attainment & maintenance areas



Non-attainment areas

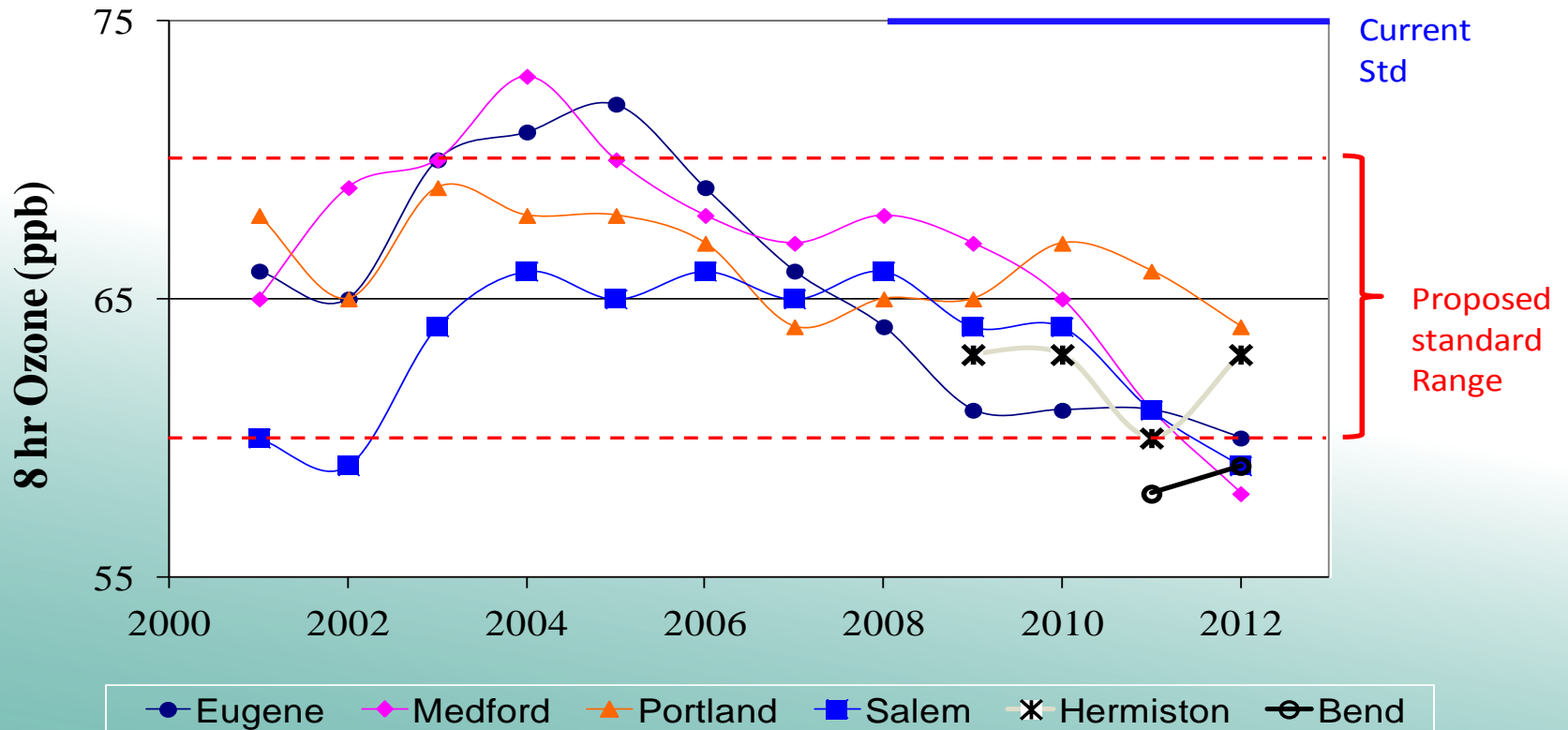


Violating but not officially designated non-attainment

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Meet federal standards – next challenge - ozone

8 Hour Ozone averages



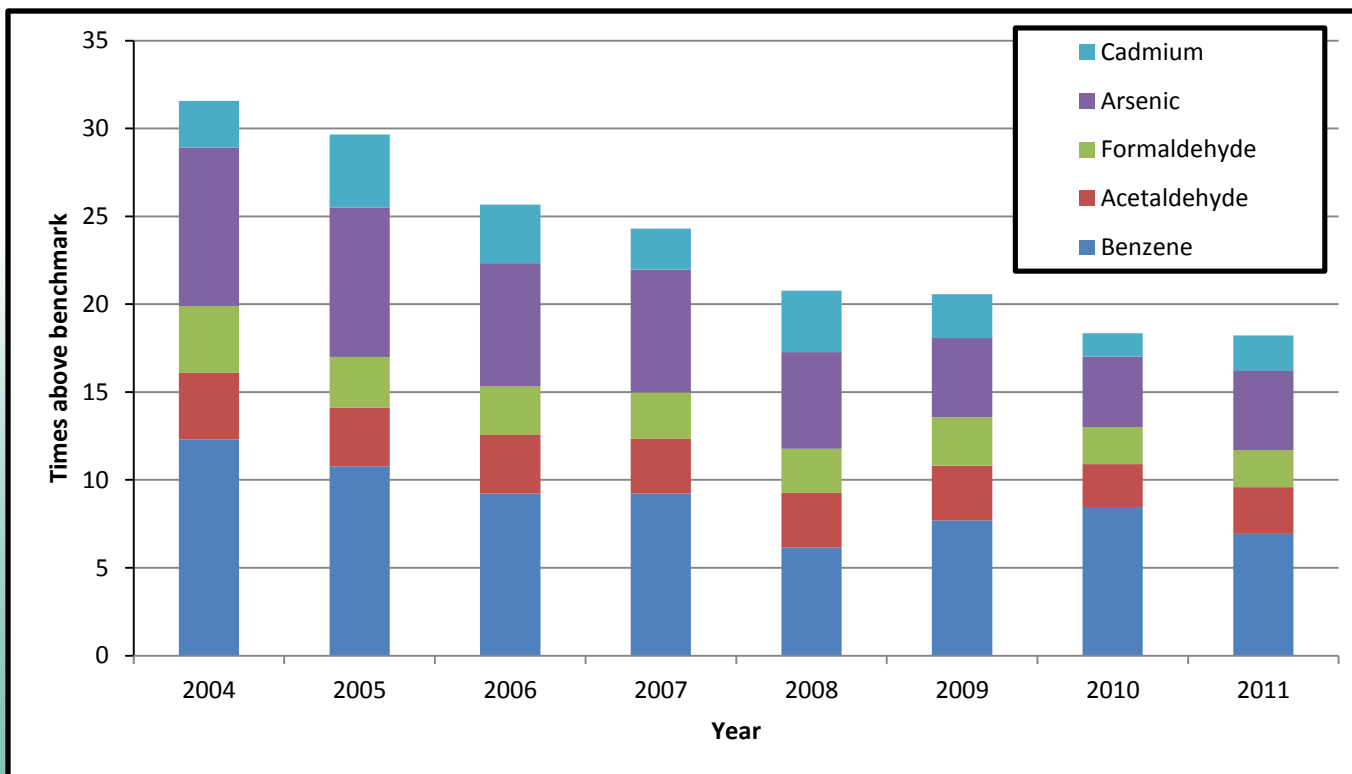


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Meet air toxics benchmarks

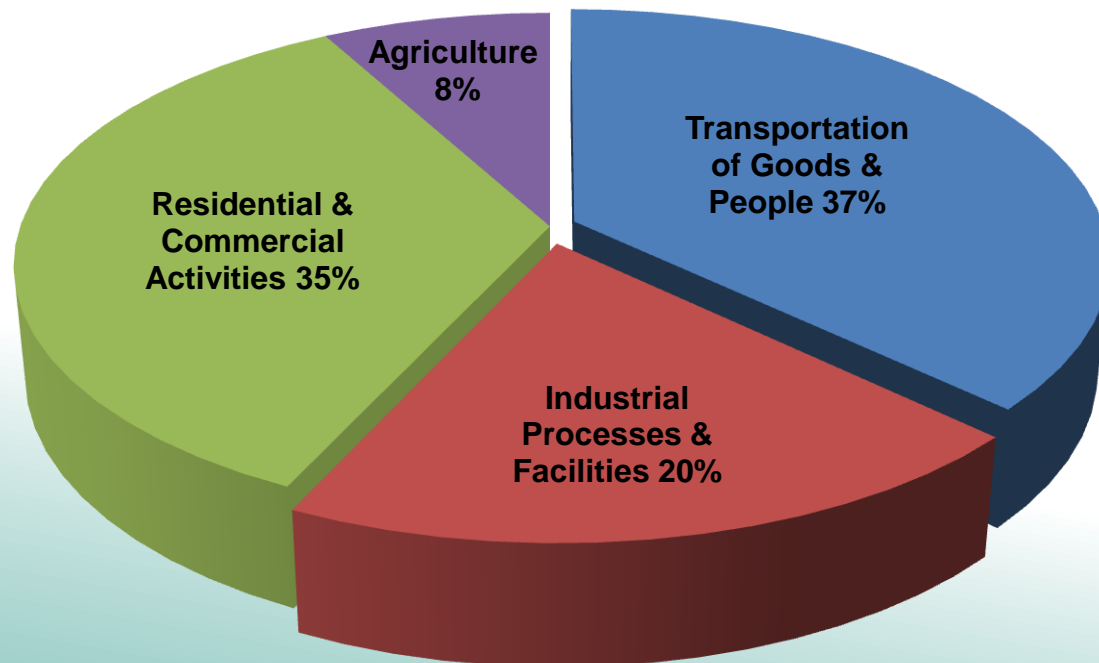
Portland air toxics trends



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Reduce Greenhouse Gas Emissions

Oregon's emissions
by source type





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Reduce haze

Good visibility day



Bad visibility day



Crater Lake National Park



Columbia River Gorge National Scenic Area



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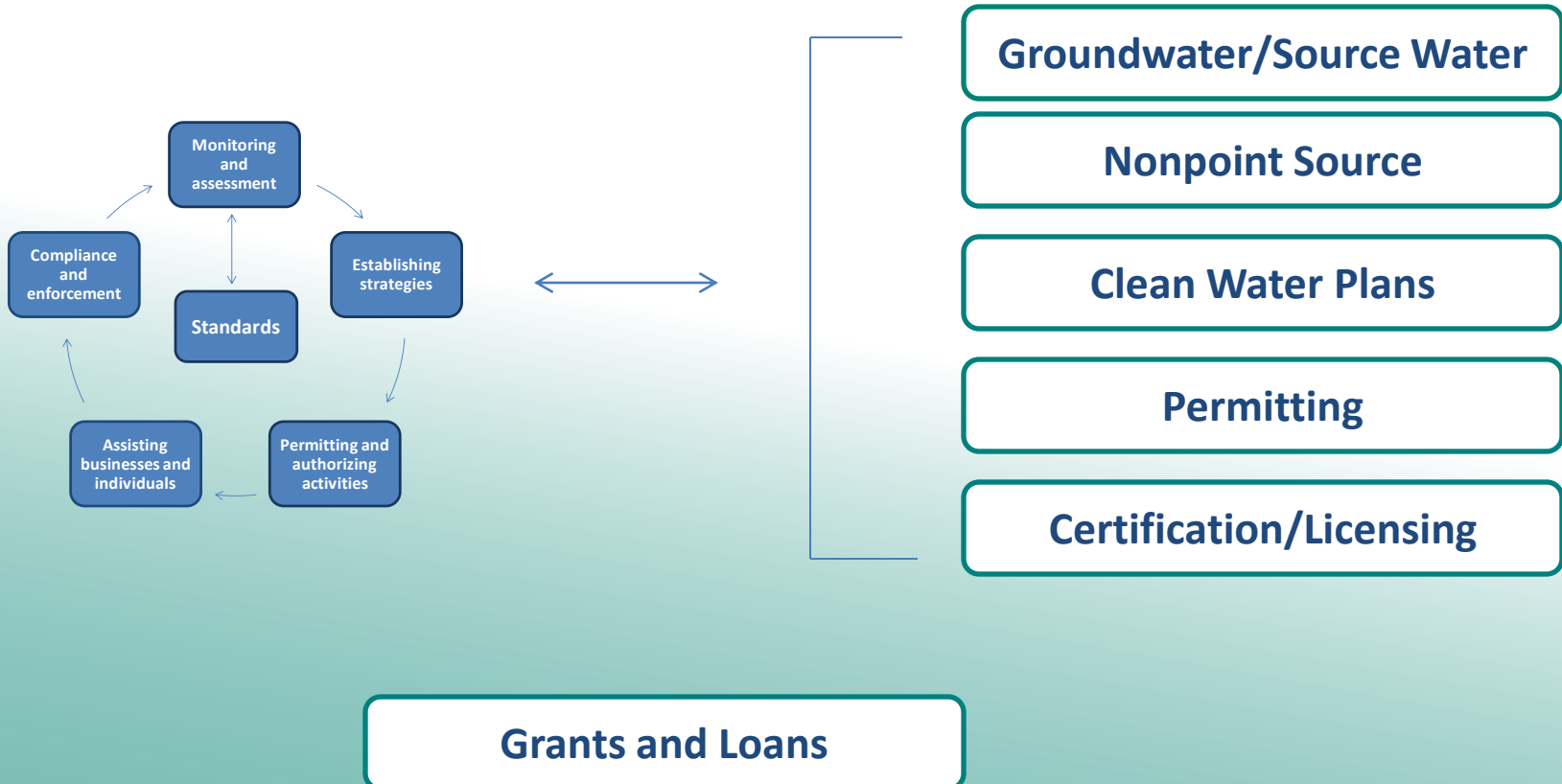
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Water Quality



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Water Quality

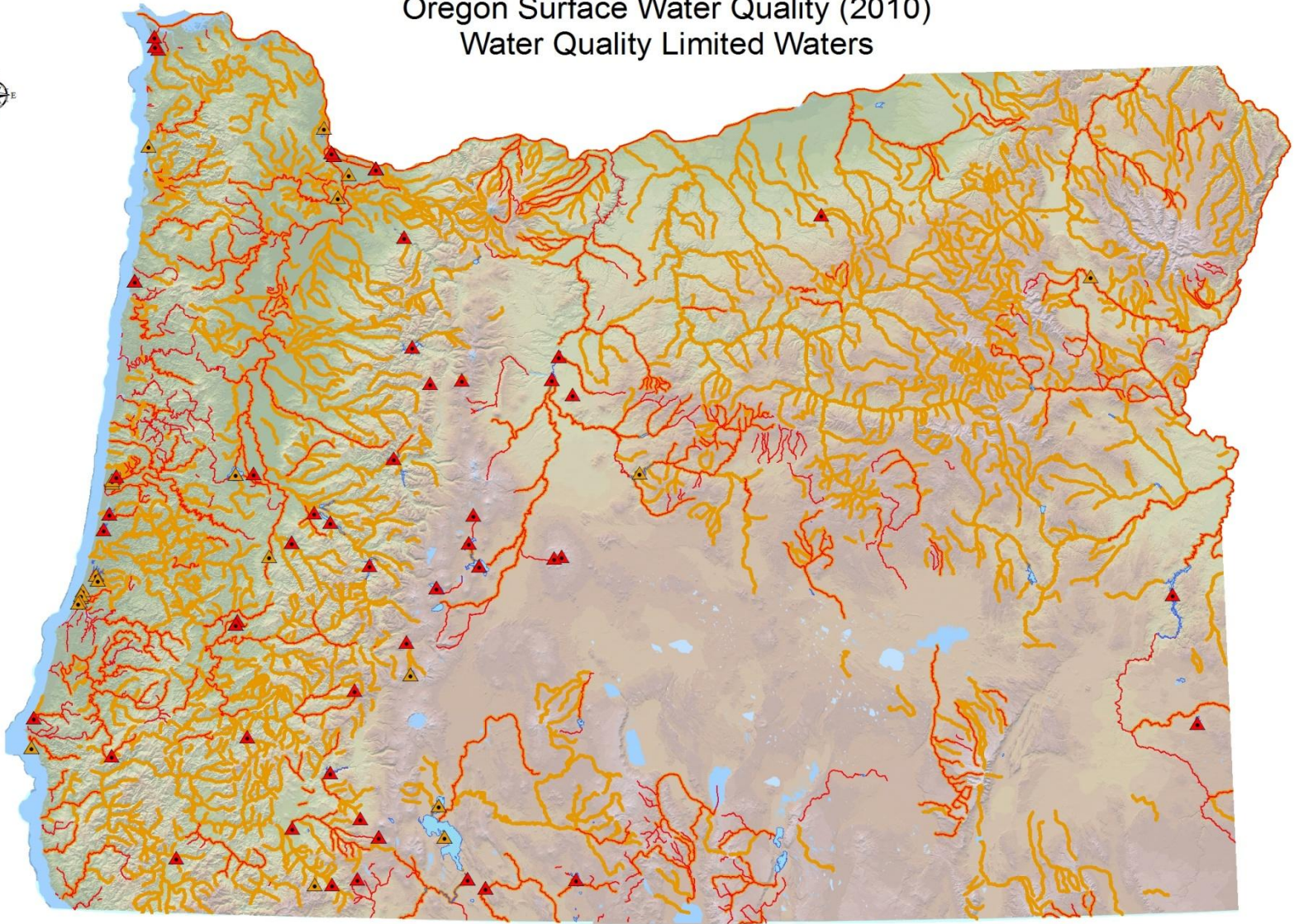


Water Quality Program goal

Ensure Oregon's waters support beneficial uses

- Drinkable
- Fishable
- Swimmable

Oregon Surface Water Quality (2010) Water Quality Limited Waters

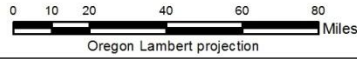


Impaired - 303(d) list, needs TMDL for one or more pollutants

Streams ▲ Lakes

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

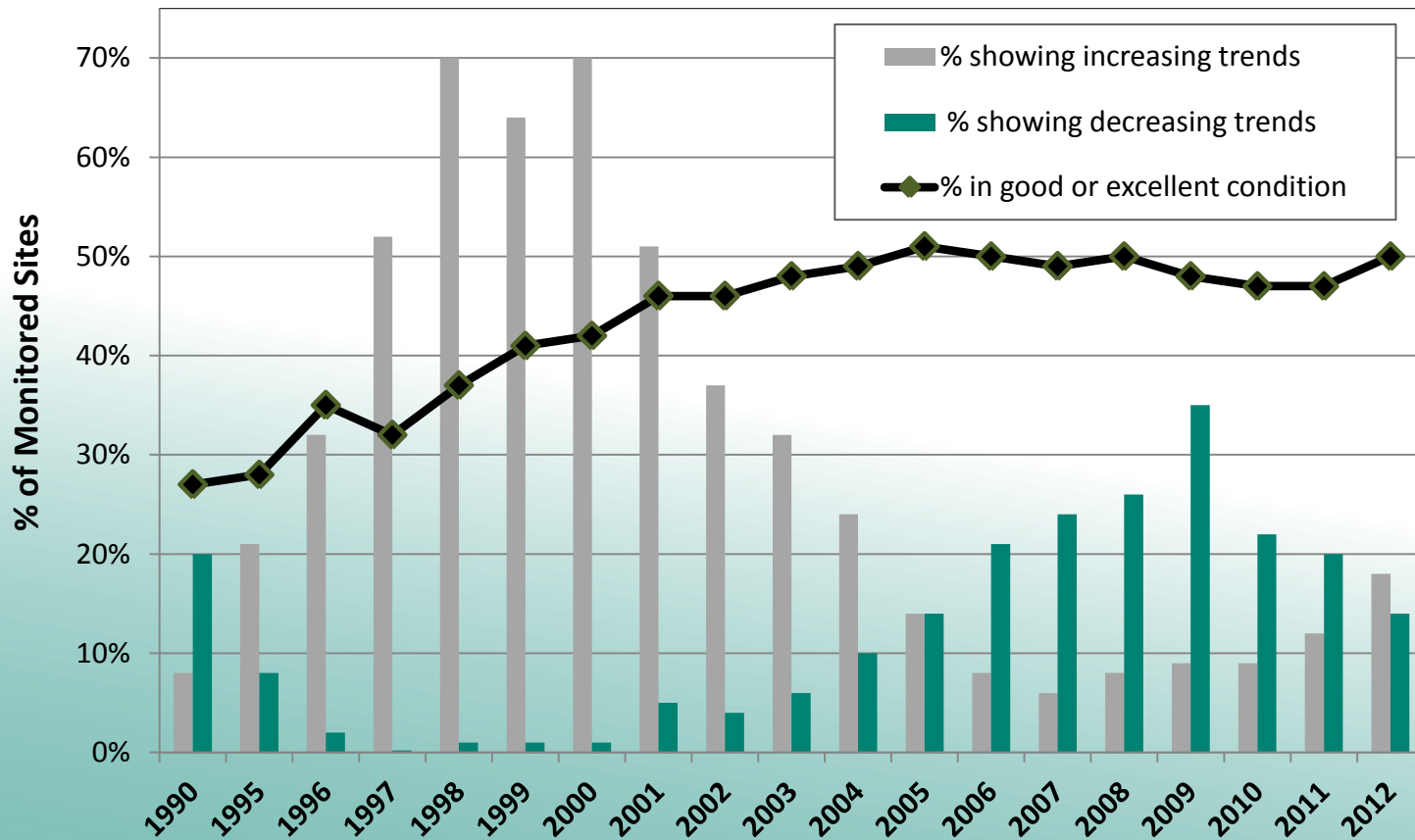
Streams ▲ Lakes



Notes:
1) Based on Oregon's 2010 Integrated Report for Clean Water Act 303(d)/305(b) (EPA approved March 2012).
2) Oregon Department of Environmental Quality/Water Quality Division/Standards & Assessment Section
Prepared by: sda (20NOV2012)

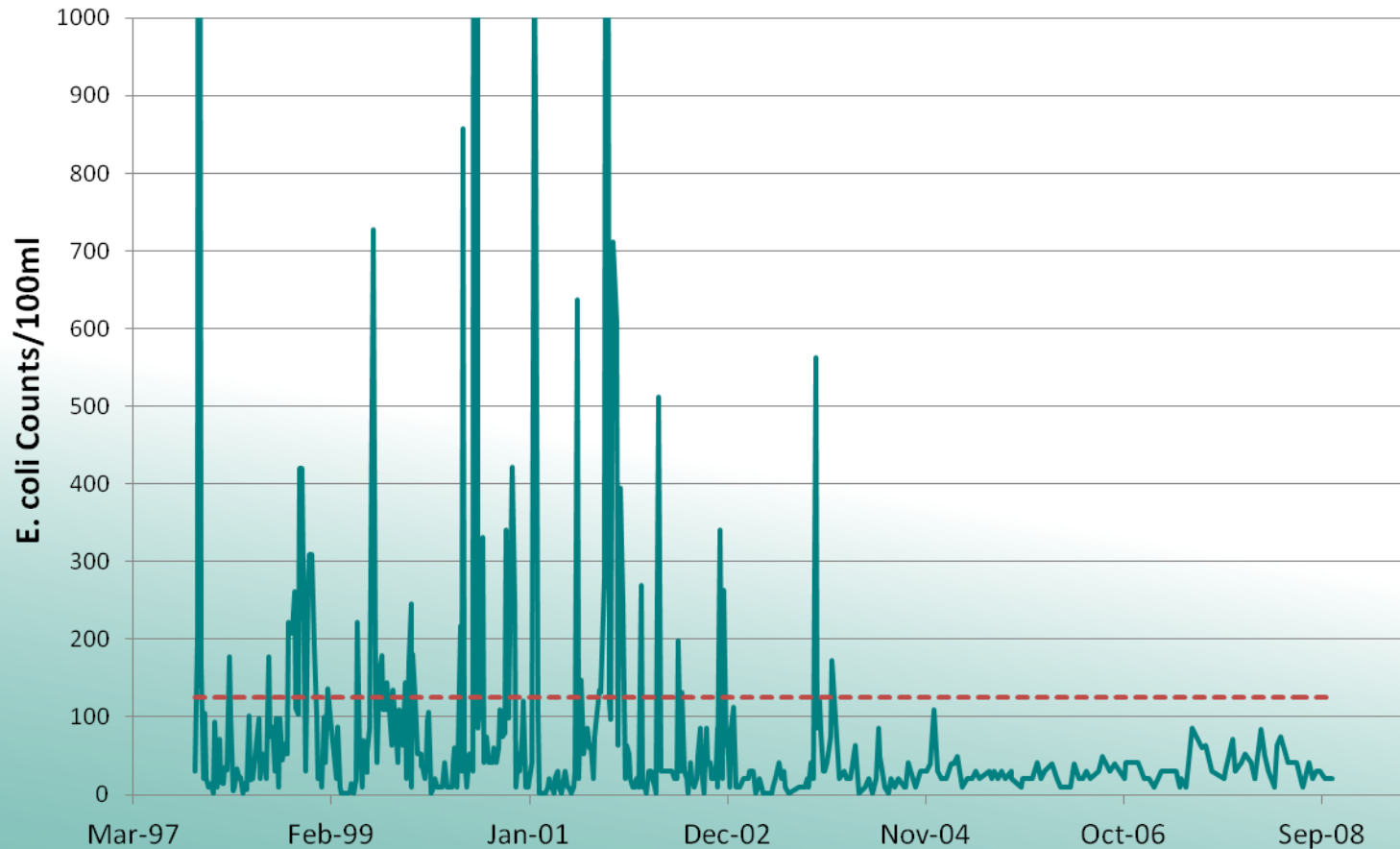
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Water Quality trends



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Wilson River Bacteria Concentrations

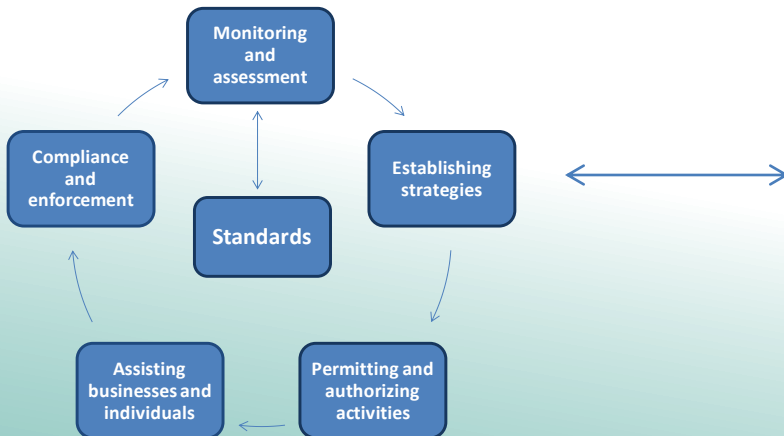


Land Quality



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Land Quality



- Cleanup
- Emergency Response
- Ballast Water
- Underground Tanks Compliance
- Hazardous Waste
- Solid Waste
- Umatilla Chemical Disposal



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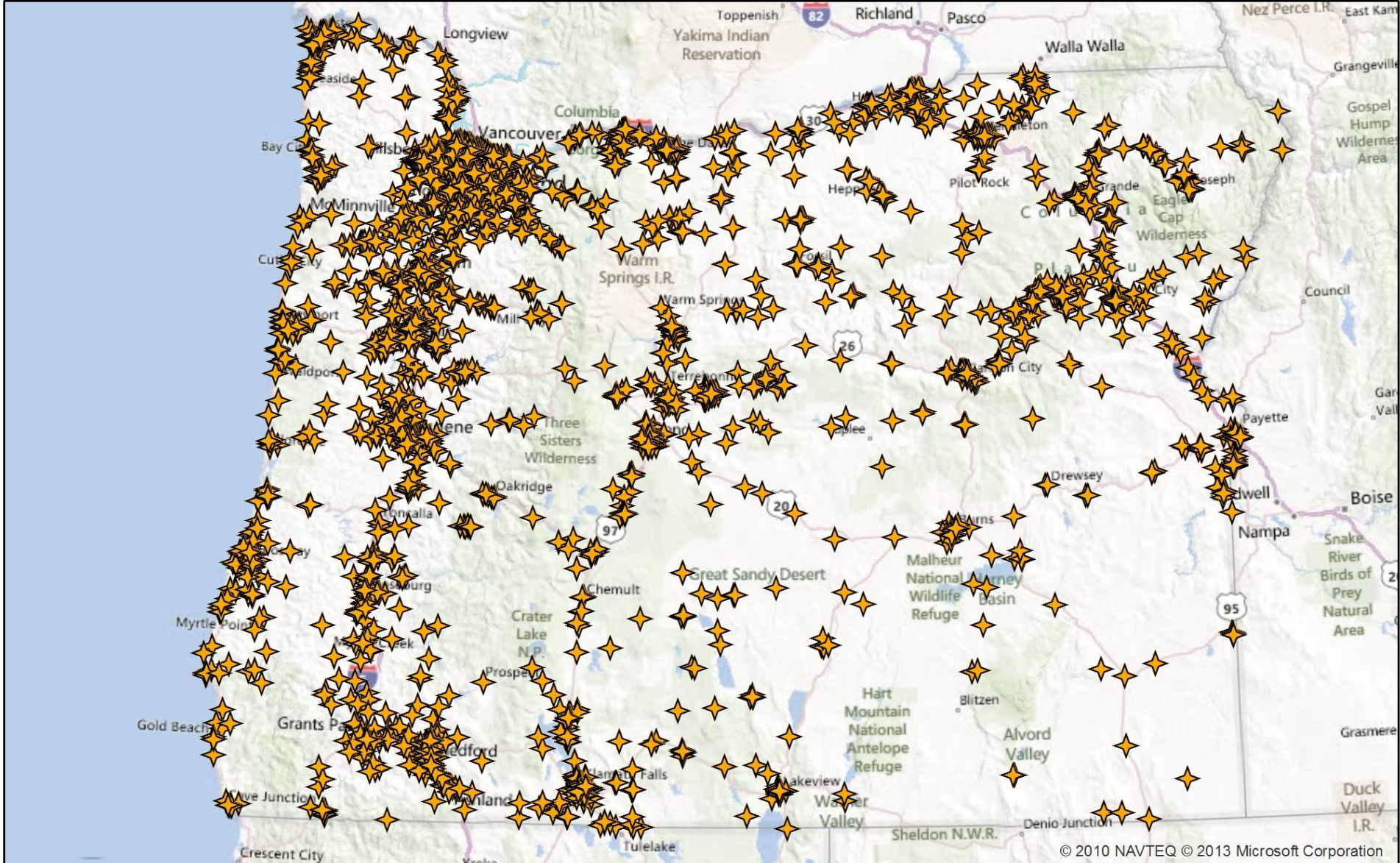
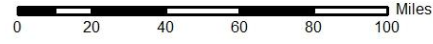
Land Quality Program goals

- Restore contaminated land
- Respond to spills
- Safely manage hazardous and solid wastes
- Reduce waste at the source

Oregon Environmental Cleanup Sites (4,844 Sites)

as of March 2013

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



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Restore contaminated land



Before



After

Sequential Biofuels, Eugene



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Restore contaminated land



Before



After

Former Astoria Plywood



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Restore contaminated land



Before



After

Former Rose City Plating, Portland

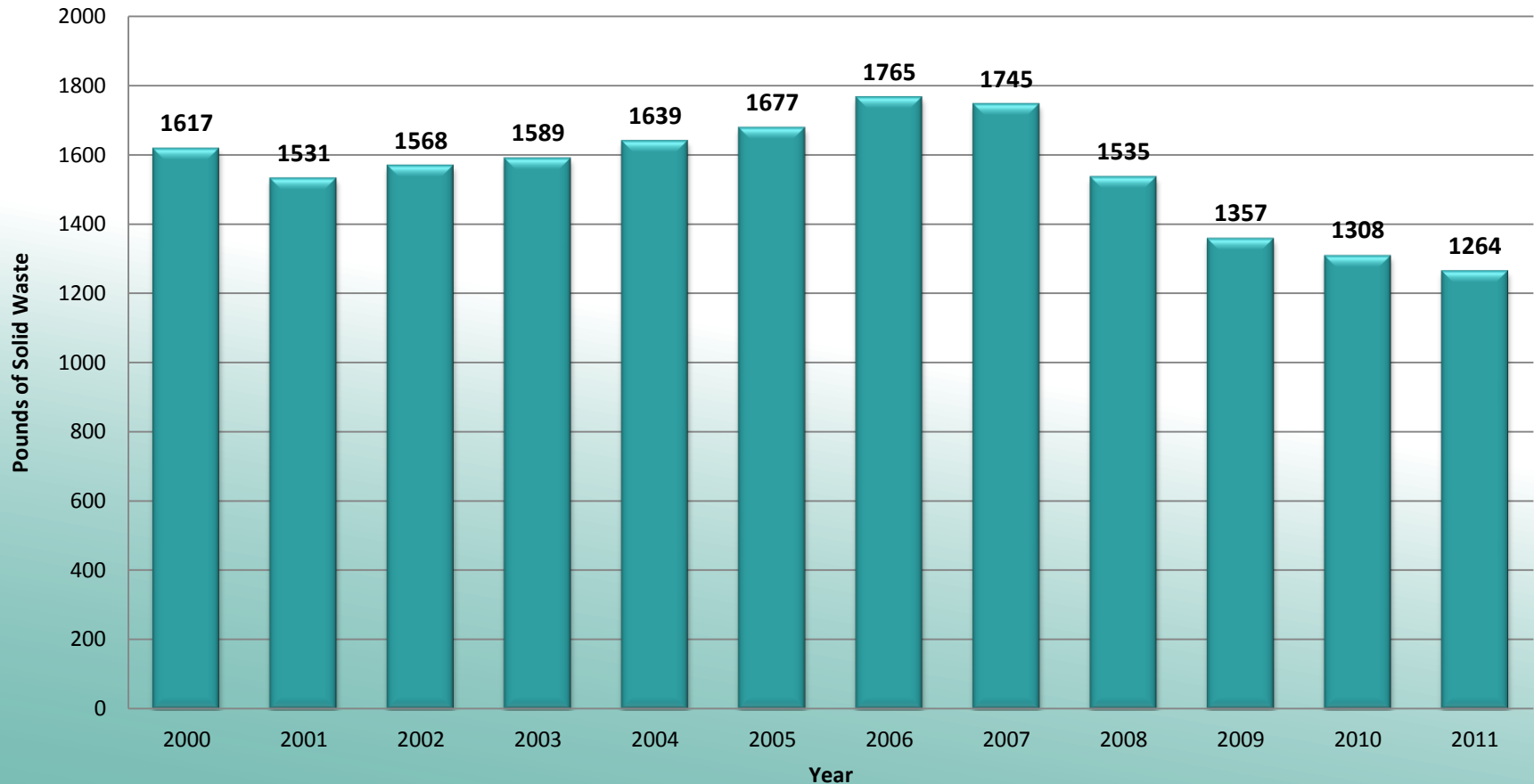
Respond to spills



In 2011, DEQ received 2,482 incident reports and responded to 541.

Safely manage waste

Pounds of solid waste landfilled or incinerated per capita





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Safely manage waste



In 2012, more than 26,000,000 pounds of electronic waste diverted from landfills



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Shifting from
“Waste Management”



To
“Materials Management”

MOST FAVORED
↑
↓
LEAST FAVORED





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Umatilla chemical agent disposal



October 2011: Destruction of all chemical agents completed



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The future

- More stringent federal standards
- Nonpoint/area-wide/diffuse sources
- Geographic and integrated approaches
- Small community needs
- Toxics reduction



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Agency support services



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Agency Management

- Director's Office
- Environmental Quality Commission support
- Human Resources
- Information Technology and Business Systems
- Financial Services
- Communications and Outreach
- Health and Safety
- Organizational improvement

DEQ Laboratory



Regional Solutions Teams

- Streamlined process for economic development projects
- Enhanced collaboration among agencies and communities





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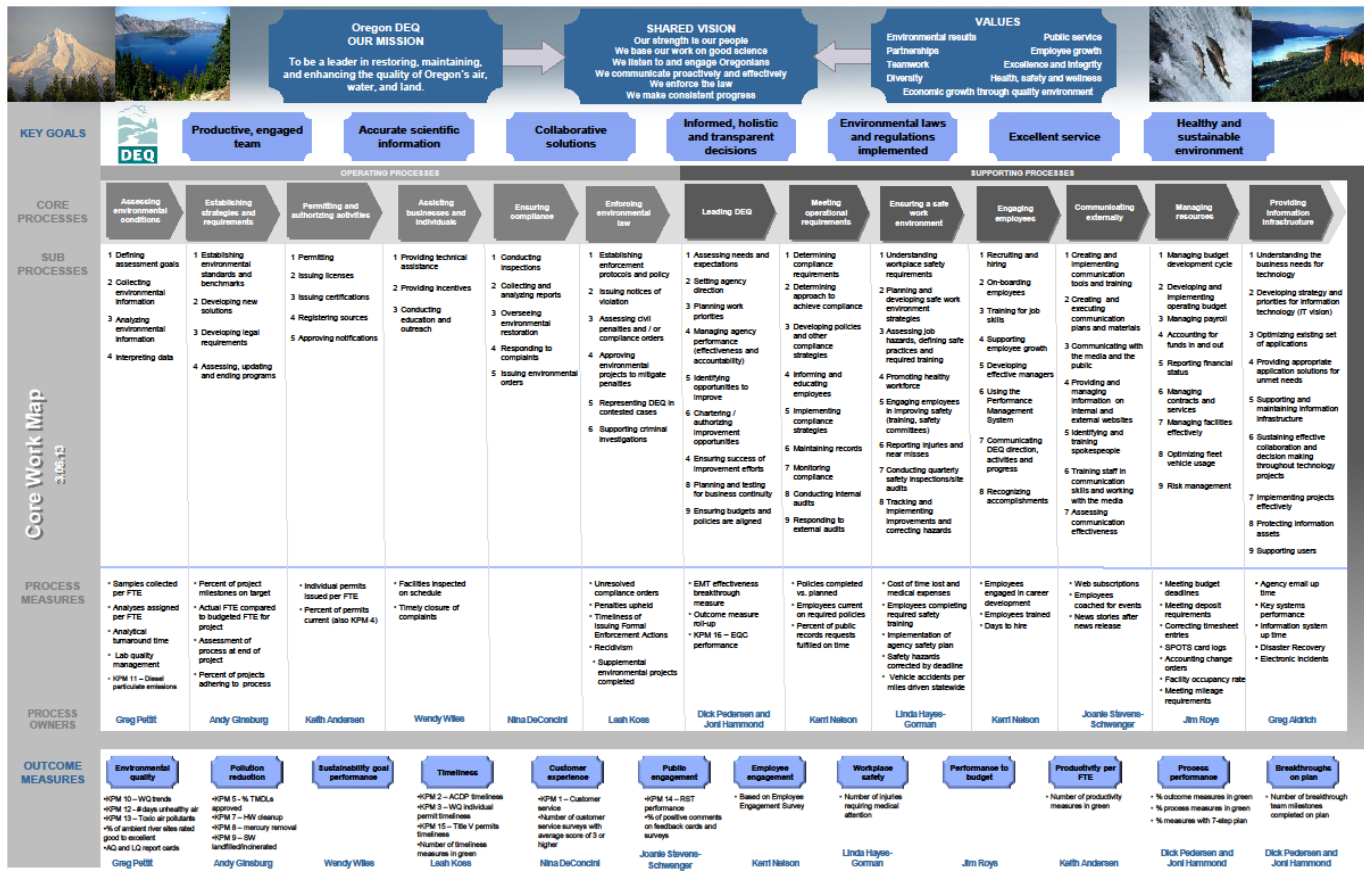
Managing to outcomes



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DEQ core work map





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DEQ Quarterly Measure Review

4th Quarter - 2012

Oct, Nov, Dec

Total Measures on QMR: 4

Total measure data was collected on: 123

Rollup	Description	Target	Green Range	Yellow Range	Red Range	Season	Current Status	Actions	Trend
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Outcome

Timeliness

Timeliness	Yes	Timeliness percentage by using 5 points for green, 2.5 yellow and 0 red and dividing by the total possible. All weighting is currently 1:1	> 85%	> 85%	50 - 85%	< 50%	All year	62.5		➔
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Operating Process

Determining Compliance

Timely closure of complaints		Percentage of complaints open >90 days within the previous quarter	< 10%	< 10%	10 - 25%	> 25%	All year	24	Breakthrough in process	⬇
Inspections conducted on schedule	Yes	Percent of facilities required to be inspected that are inspected	> 90%	> 90%	80 - 90%	< 80%	All year	62.5		➔

Support Process

Managing resources

Meeting mileage requirements		Percent of underutilized vehicles	2%	< 5%	6 - 15%	> 15%	All year	2.36		⬆
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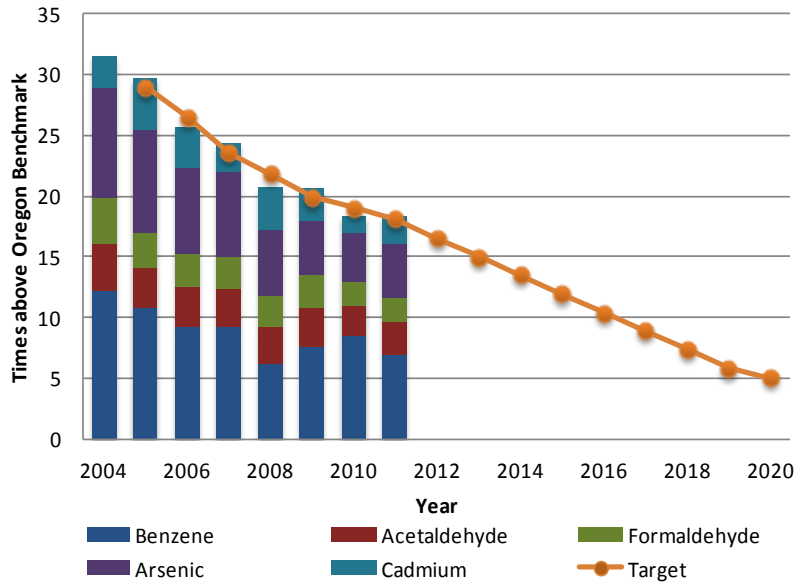
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Proposed KPM changes

Air Quality Program

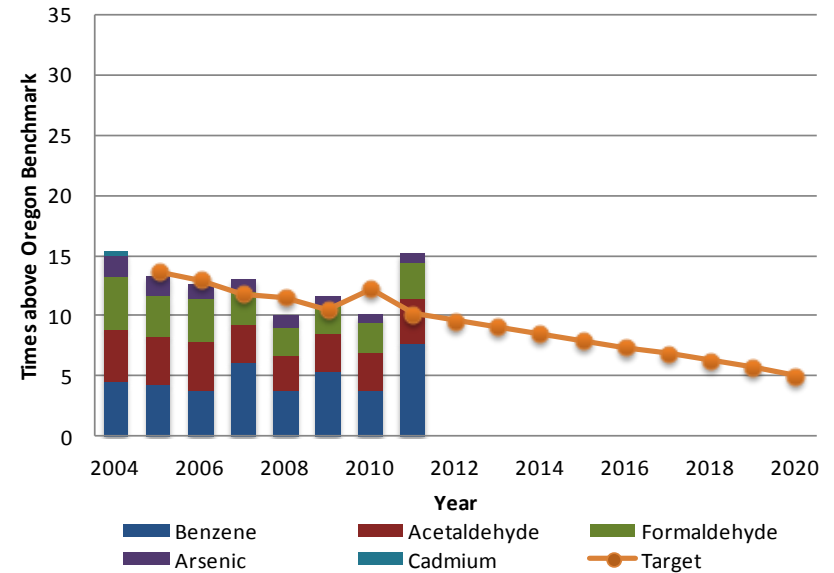
Proposed KPM 13a

Air Toxic Trends-Large Community



Proposed KPM 13b

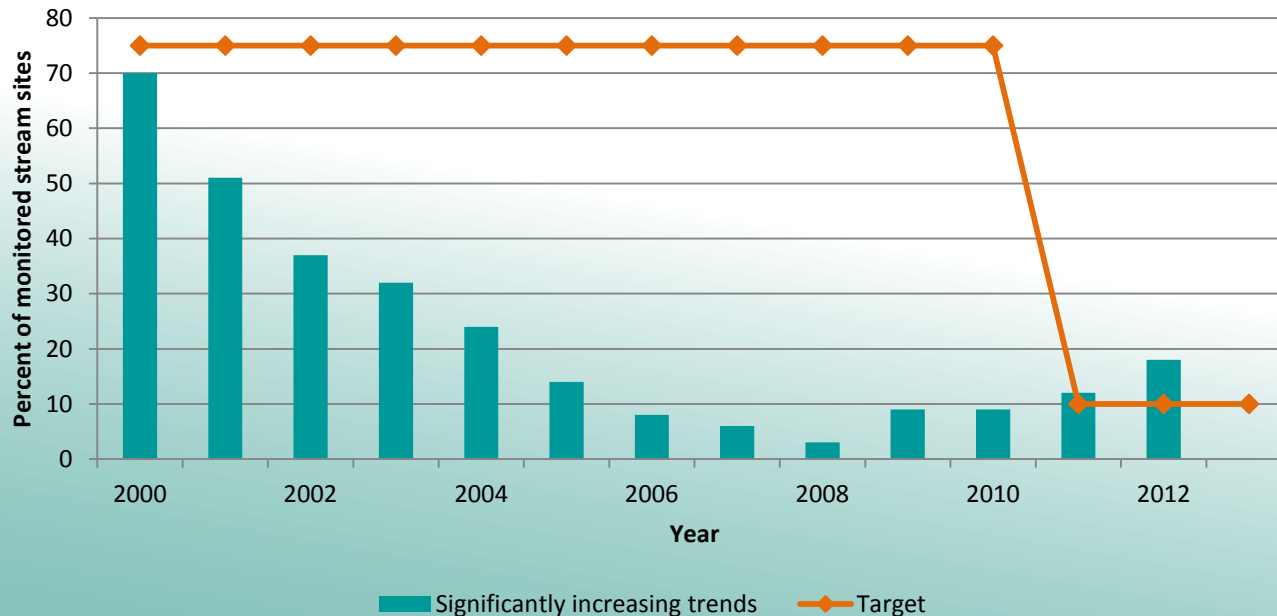
Air Toxics Trends-Small Communities



Water Quality Program

Proposed KPM10a

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





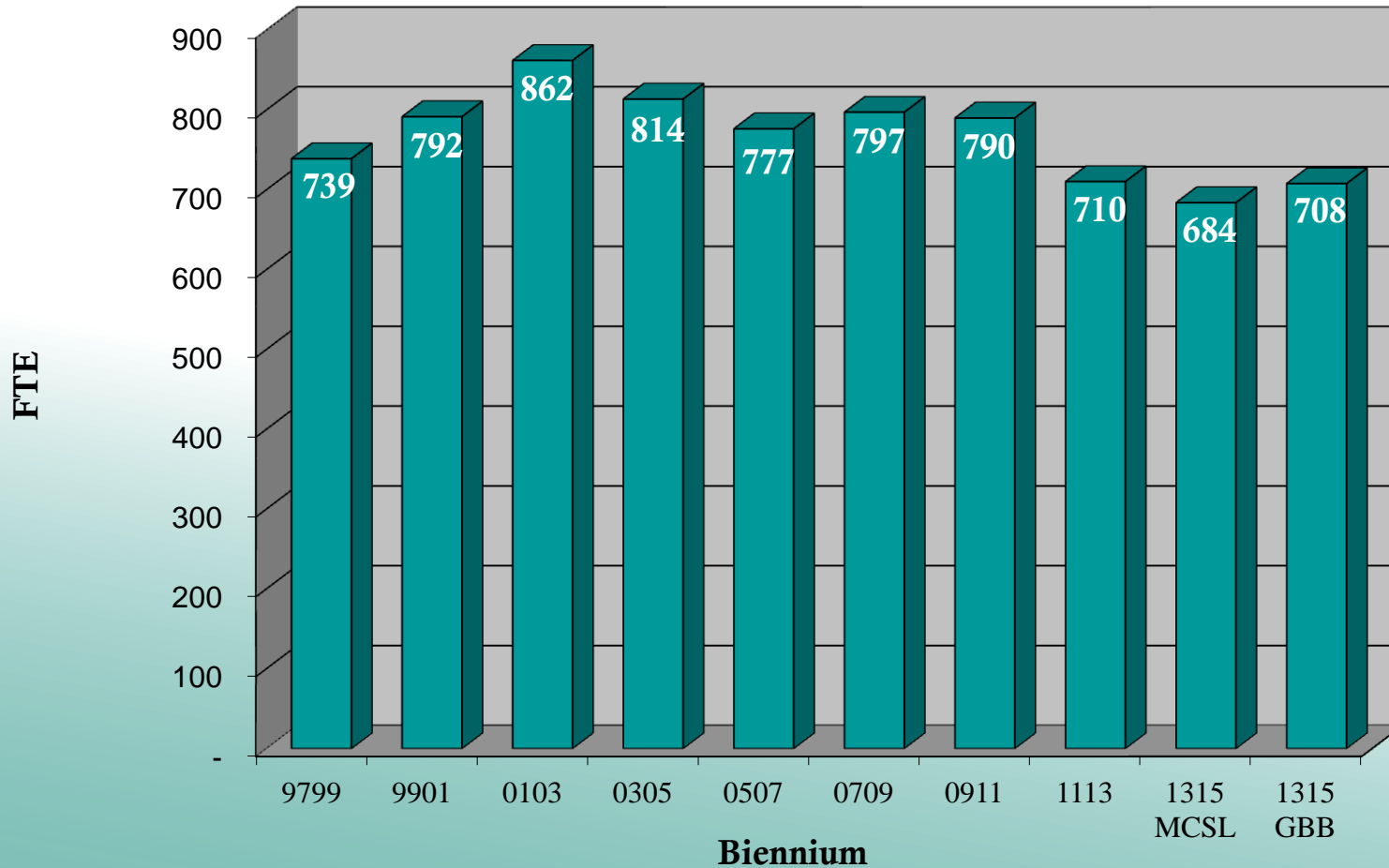
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DEQ staffing history

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DEQ staffing over time





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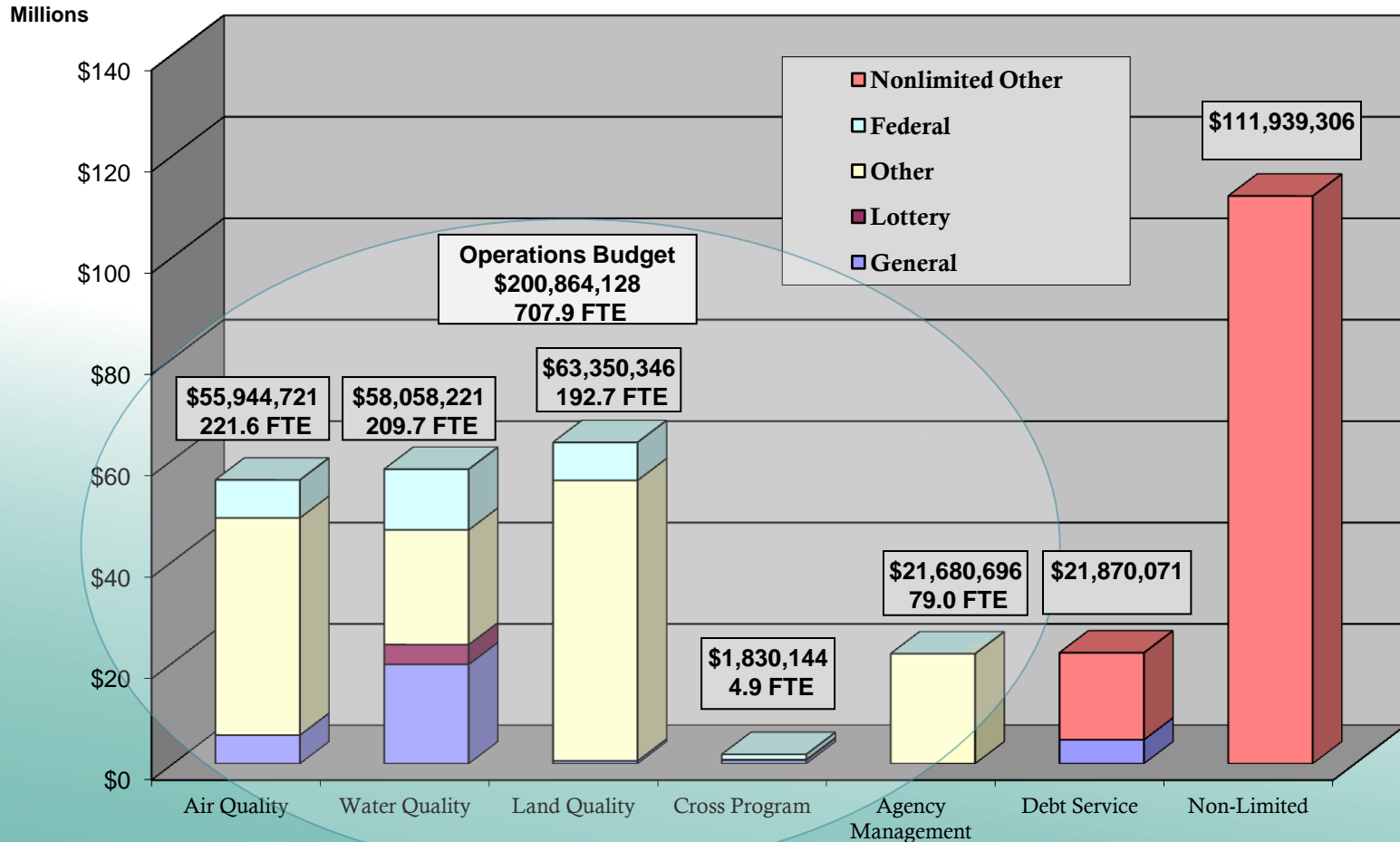
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Governor's Balanced Budget

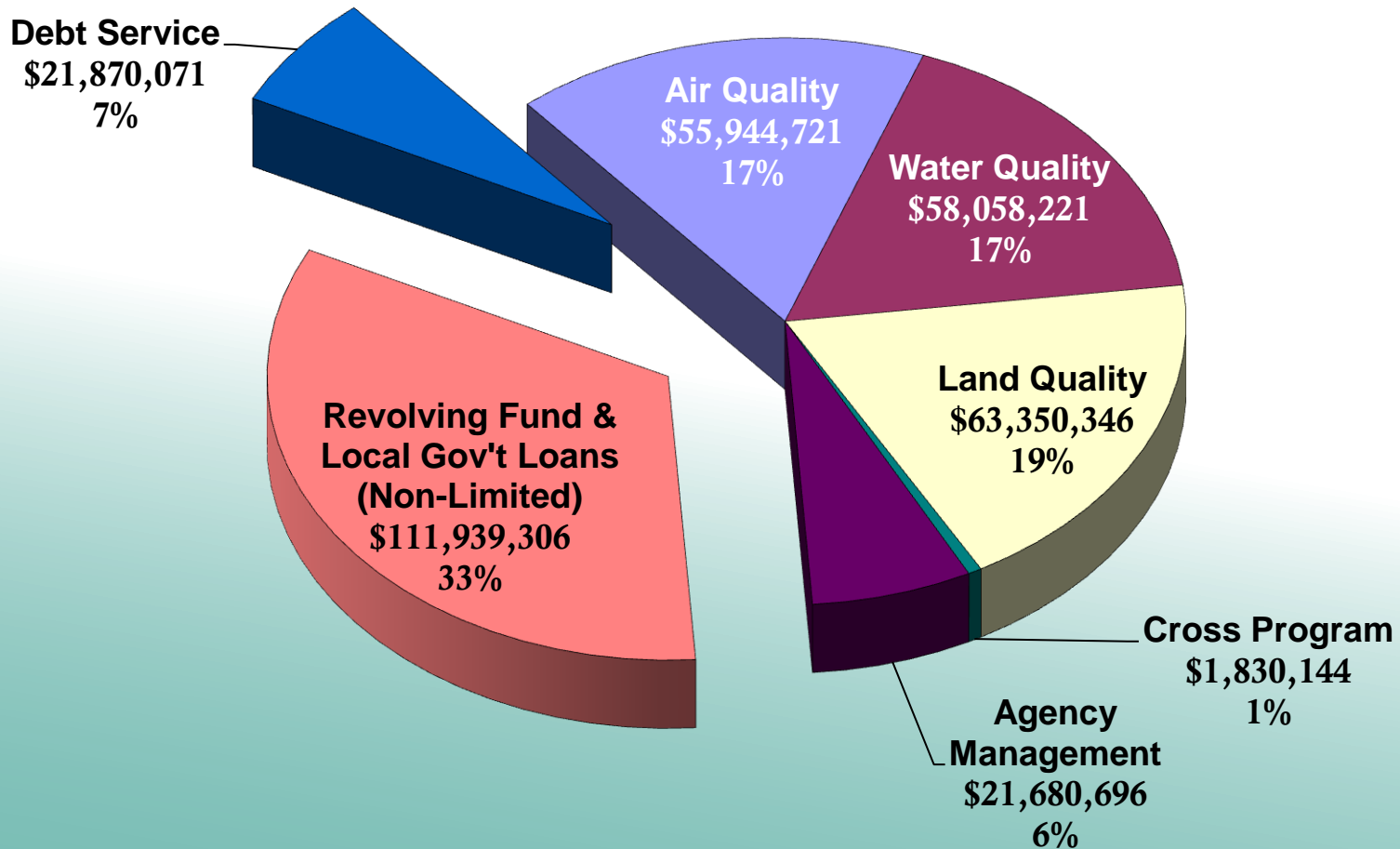
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2013-2015 Governor's Balanced Budget, by program \$334,673,505



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2013-2015 Total Governor's Balanced Budget \$334,673,505

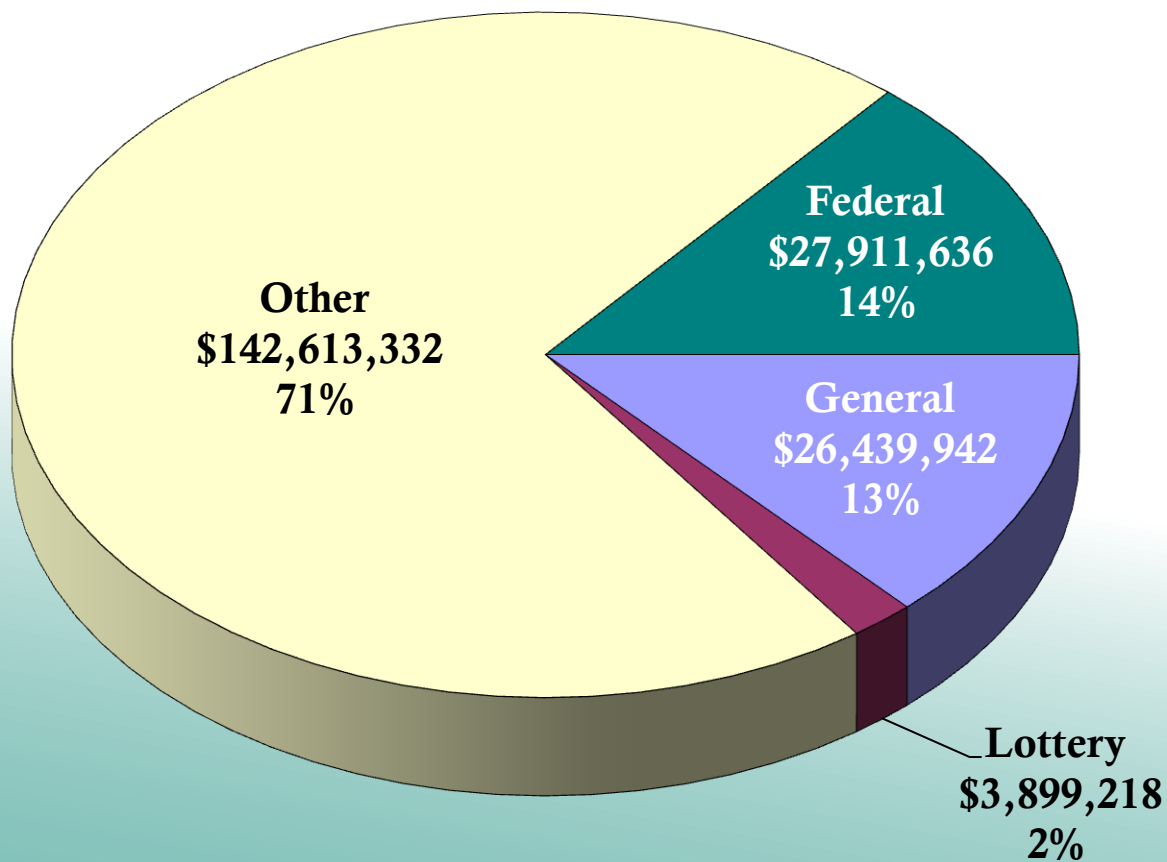




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2013-2015 Governor's Balanced Budget Operations budget - \$200,864,128



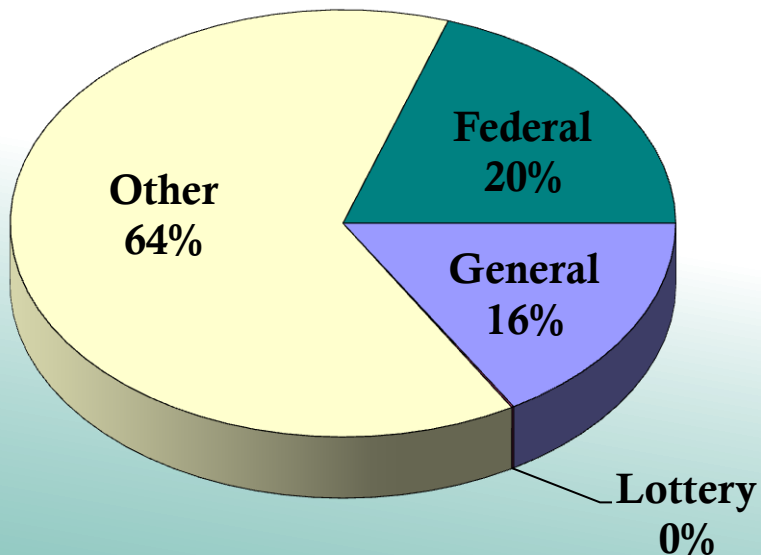


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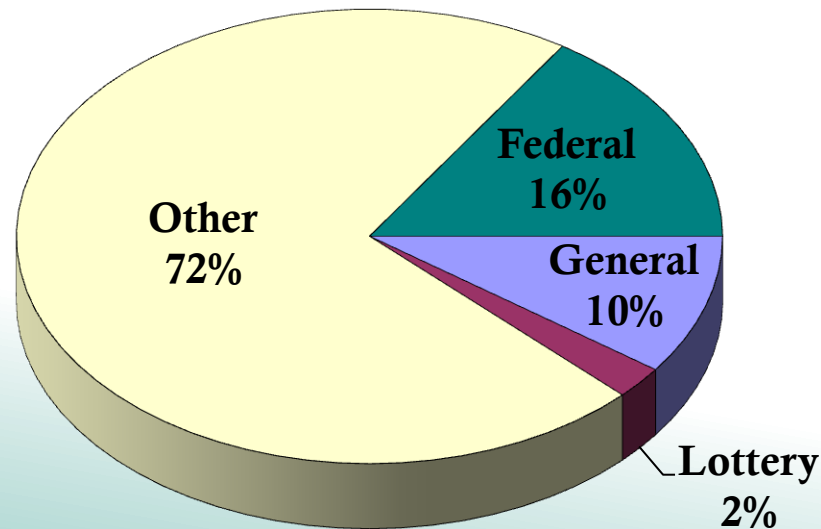
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Ten years of shifting funding

**2001-2003 LAB
Operating Budget - \$173,320,596**



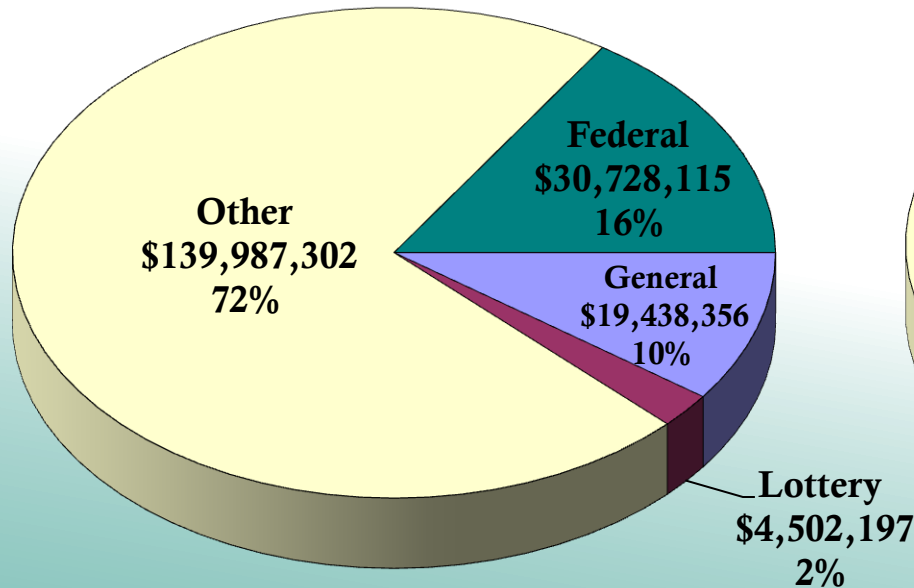
**2011-2013 Total Legislative Approved
Operations Budget - \$194,655,970**



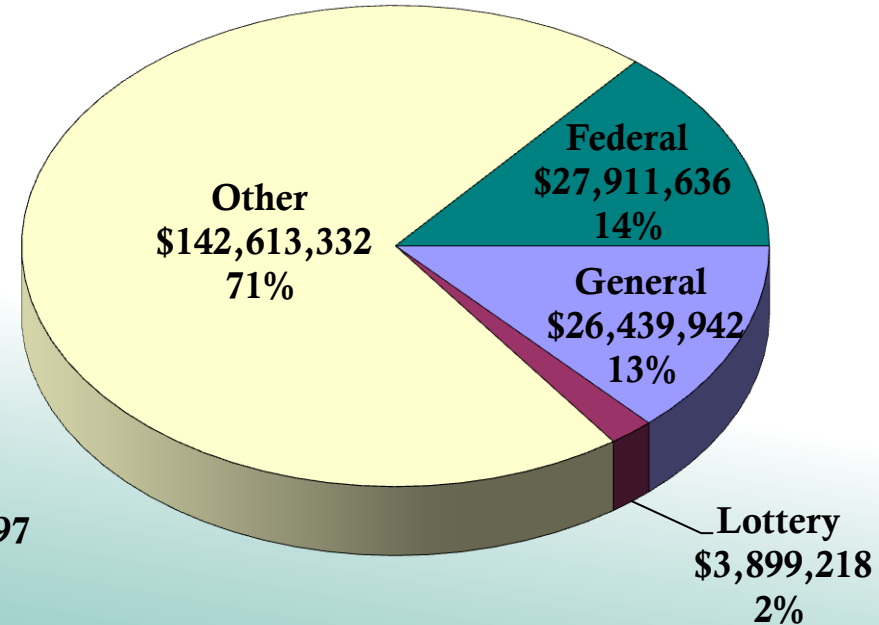
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What's different from 2011-13?

**2011-2013 Total Legislative Approved
Operations Budget - \$194,655,970**



**2013-2015 Governor's Balanced Budget
Operations Budget - \$200,864,128**

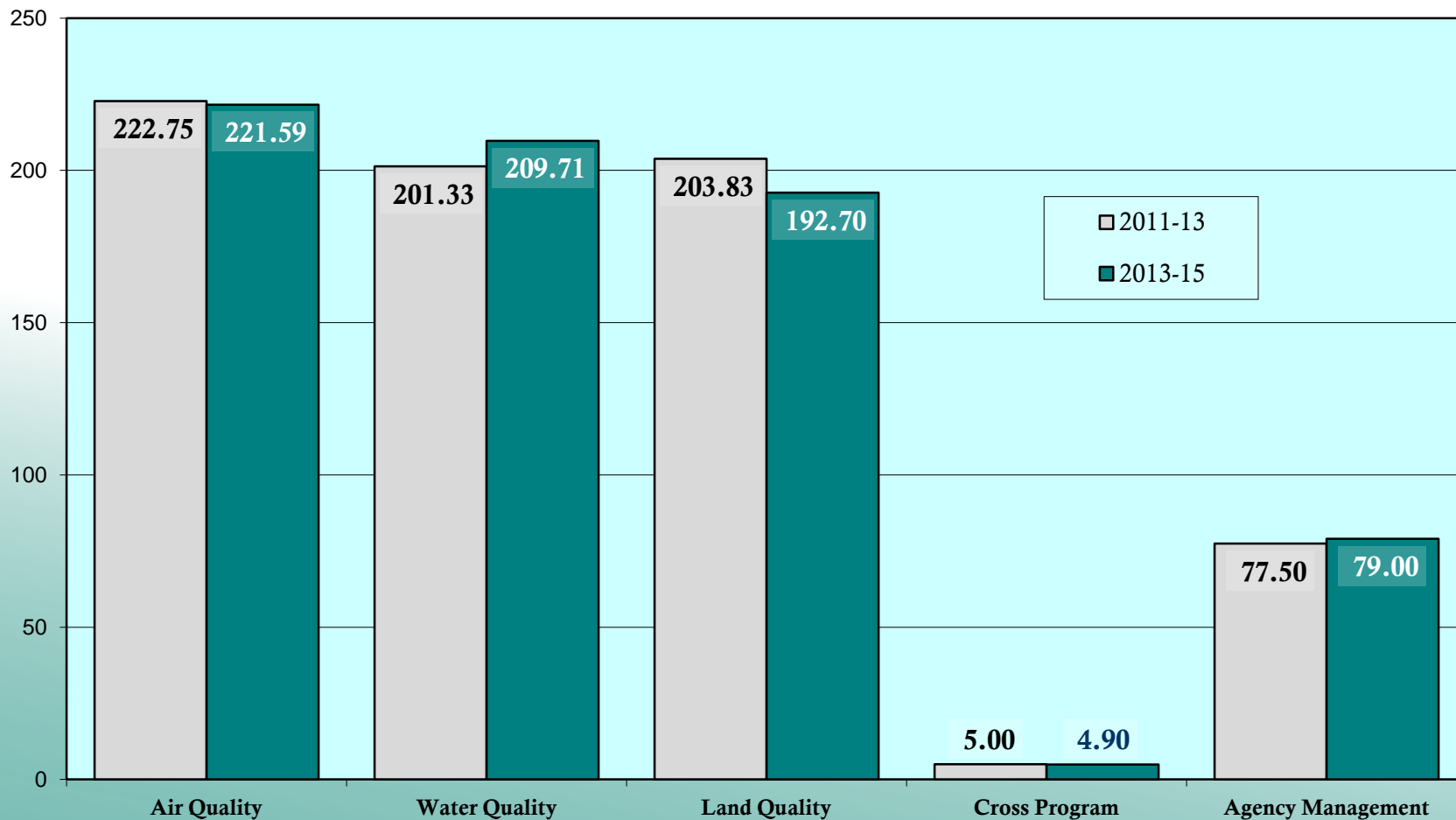




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2011-2013 Approved vs 2013-2015 Governor's Balanced Budget 707.90 FTE





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Budget Reductions – Package 070

Reductions				Restoration Requests			
Dollars	FTE	FUND	PKG	Dollars	FTE	FUND	PKG

Aligning to Conditions

Umatilla Phase Down	\$ (1,779,231)	-4.00	FF	070				
Cleanup/Tanks Project Funding	\$ (620,797)	0.00	FF	070				
Solid Waste - E cycles	\$ (3,592,379)	0.00	OF	070				
	\$ (5,992,407)	-4.00						

Impacting Services

Air Contaminant Discharge Permits	\$ (1,347,583)	-6.67	OF	070	\$ 810,611	3.67	OF	111
WQ Non Point Source	\$ (928,670)	-1.17	FF	070				
WQ On Site	\$ (558,351)	-3.25	OF	070	\$ 155,428	1.00	OF	120
TMDL Implementation	\$ (813,072)	-3.00	LF	070	\$ 813,072	3.00	GF	090
Wastewater Permitting	\$ (1,061,331)	-6.25	OF	070	\$ 700,000	3.00	GF	090
	\$ (4,709,007)	-20.34			\$ 2,479,111	10.67		



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**Legislative concepts and
policy option packages**



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Governor's restoration packages 090

- TMDL implementation
- Wastewater permitting



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Policy option packages

Policy Package 111

- Air Contaminant Discharge Permit program

Policy Package 120

- Onsite septic system program

Policy Package 122

- Oregon Plan monitoring

Policy Package 124

- Water quality 401 project certification

Policy option packages, continued

Policy Package 126

- Wastewater system operator certification program

Policy Package 127

- Integrated Water Resources Strategy

Policy Package 128

- Statewide groundwater monitoring

Policy Package 131

- Paint Product Stewardship



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Policy option packages, continued

Policy Package 181/191

- Clean Water State Revolving Fund

Policy Package 182

- Small community clean water grants

Policy Package 320

- Pesticide Stewardship Partnerships