

State and Local Partnerships for Protecting Oregon's Waters

Association of Clean Water Agencies

2018 Annual Meeting



**Part 1: A Vision for Meeting Oregon's Water Resources Needs
Over the Next 100 Years**

**Part 2: Oregon DEQ's Near-Term
Priorities**



A 100-Year Vision for Oregon's Water Resources



**A Secure and Resilient Water Future
for All Oregonians**



The Vision

To address changes in climate and population, and our aging infrastructure, Oregon will steward its water resources to ensure clean and abundant water for our people, our economy and our environment, now and for future generations.

Strategic investments and actions will result in resilient natural and built water systems across the state to support safe and healthy communities, vibrant local economies and a healthy environment.

Climate Impacts in Oregon – Snowpack and Hydrology

Projected changes in western U.S. winter snow-related hydrology at the middle and end of this century

Mountain Range	Snow Water Equivalent (% Change)	
	2050	2100
Cascades	-41.5	-89.9
Klamath	-50.75	-95.8
Rockies	-17.3	-65.1
Sierra Nevada	-21.8	-89.0
Wasatch and Uinta	-18.9	-78.7
Western USA	-22.3	-70.1

Projections are for RCP8.5. **USGCRP**, 2017: *Climate Science Special Report: Fourth National Climate Assessment*

Projected Population Change in Oregon: 2015-2050

	2015	2050	% Change
Oregon Total	4,001,600	5,588,500	40%
Portland Metro Counties	1,732,521	2,482,297	43%
Lane County	361,474	464,839	29%
Jackson County	210,015	296,388	41%
Deschutes County	166,892	262,958	58%
Klamath County	67,292	74,111	10%
Malheur County	32,033	34,837	8%
Baker County	16,235	16,238	0%

Projections from the Oregon Office of Economic Analysis
<https://www.oregon.gov/das/OEA/Pages/forecastdemographic.aspx>

Oregon League of Cities 2016 Survey

Out of Sight, Out of Mind: Funding Oregon's Water Infrastructure Needs

“The League’s infrastructure survey * * * identified an estimated \$4.3 billion in wastewater infrastructure needs over the next 20 years, and approximately \$3.3 billion for drinking water supply. “

* * *

“In total, 67 percent of responding cities indicated the need for additional water supply storage in the next 20 years. “

Aging Water-Related Infrastructure in Oregon

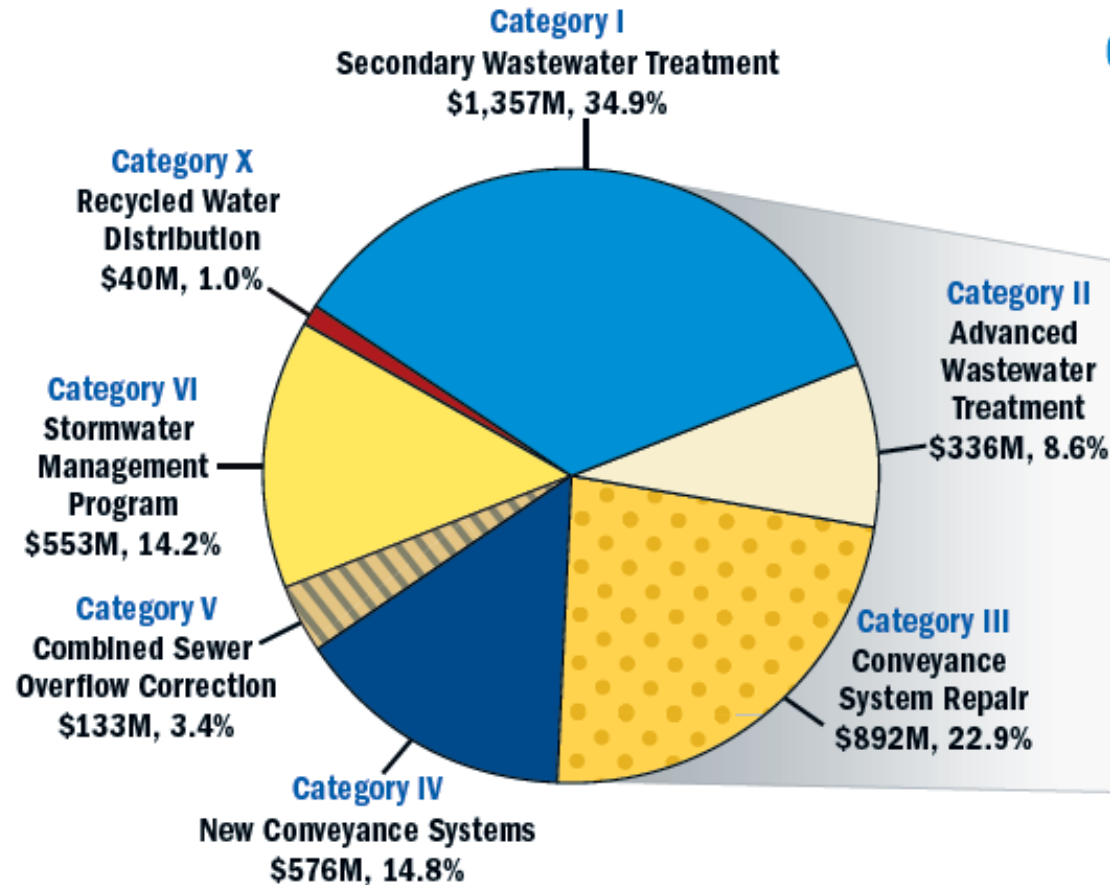


Table 7-3: Total Washington State Water Infrastructure Investment Identified Needs Projected by Type

Investment Type	Millions of Dollars								
	Total	2017	2018	2019	2020	2025	2030	2035	2036
Water supply	\$5,370	\$1,381	\$276	\$257	\$236	\$191	\$221	\$174	\$174
Stormwater	\$18,694	\$1,502	\$906	\$910	\$906	\$904	\$904	\$904	\$904
Flooding	\$1,395	\$138	\$67	\$67	\$67	\$67	\$65	\$65	\$65
Fish & habitat	\$4,675	\$284	\$234	\$234	\$234	\$234	\$229	\$229	\$229
Multiple	\$2,632	\$1,527	\$78	\$83	\$82	\$65	\$44	\$44	\$44
Total	\$32,765	\$4,832	\$1,560	\$1,551	\$1,524	\$1,462	\$1,462	\$1,416	\$1,416

**Economic Analysis of Water and Fisheries
Habitat Needs, Washington Office of Financial
Management, January 2017**

A 100-Year Vision for Oregon's Water Resources

Scope?

Drinking Water

Other Out-of-stream Water Supply (Municipal and Industrial)

Agricultural

Wastewater

In-stream Flows

Flood Control/Protection

Tidegates

Other

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Scope?

Capital Needs

Operating Costs

Technical Capacity (State, Local, Community, Tribal)

Regulatory Systems

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Next Steps

Document Current Conditions

- Inventory the Inventories
- Fill Gaps

Document Future Needs

- Inventory the Needs Assessments
- Fill Gaps

Initial Gap Analysis and Prioritization

Long Term Strategy and First Major Capital Funding Request (2021)

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Process

Oregon Governor Brown's Natural Resources Office (GNRO)

State Agency Water Core Team (OWRD, OWEB, ODEQ, ODFW, ODA, ODF, OSMB, OPRD)

Partners and Collaborative Process(es)

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Future Questions

Funding

Governance

Wastewater & Stormwater Investments



The Clean Water SRF finances a variety of projects, including planning, treatment facilities, land purchases and green infrastructure, such as bioswales and riparian restoration.

Funding comes from repaid loans, fees and federal dollars. The ECOS data on number of projects since 2007 reflects multiple projects within some loans, however, our program counts each loan to be one project regardless of how many activities are included in that loan.

Drinking Water Investments

The Drinking Water SRF offers grants and low-interest loans for planning and design, new and repair/replacement of water sources, safety and seismic upgrades, source water protection and more.

Funding comes from repaid loans, fees and federal dollars. The DWSRF pays for five FTE at DEQ to work on source water protection.



Part 2



**Oregon Department of Environmental
Quality
2019-21 Water Quality Priorities**

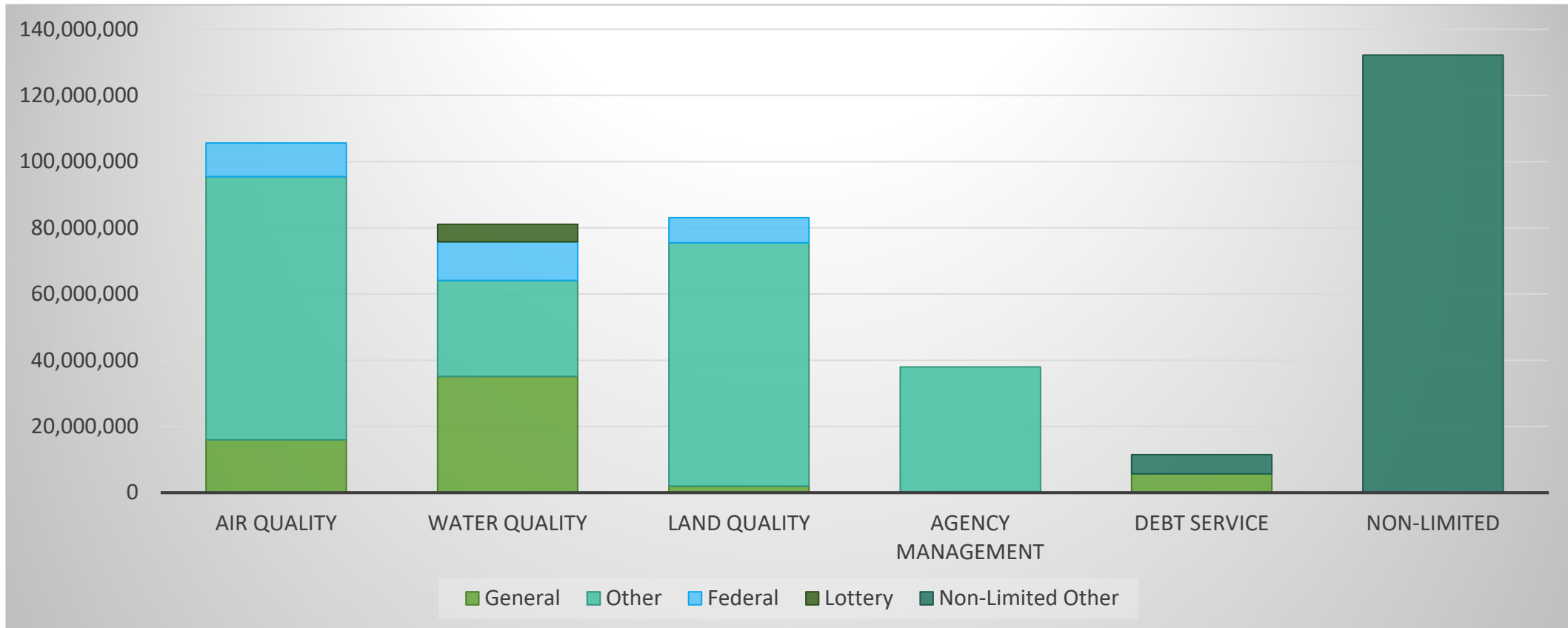
2019-21 Oregon DEQ Budget Themes

- 1. Focusing on our core work
- 2. Building partnerships
- 3. Supporting communities

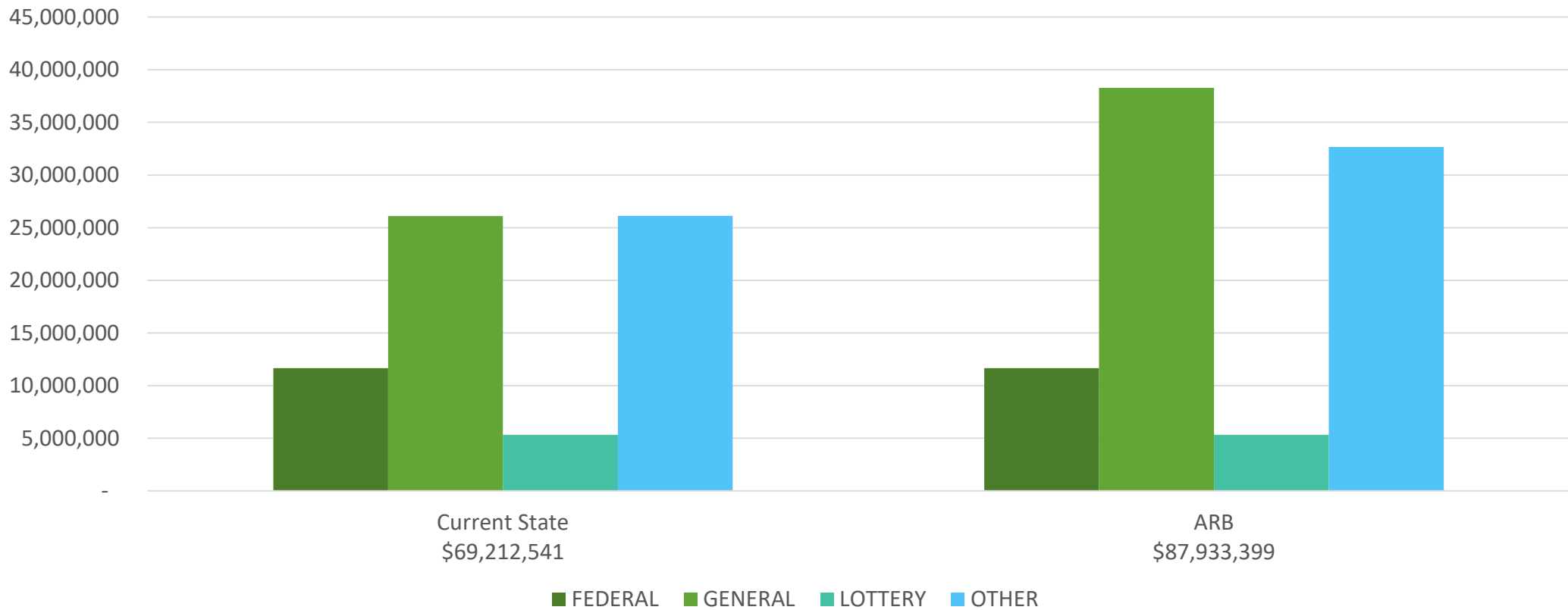
Water Quality Budget Priorities

- **Permitting** – wastewater and stormwater; individual and general permit development; inspections and compliance oversight; data management and IT; e-reporting; leadership
- **Communities** – infrastructure needs assessment; meeting small community assistance needs
- **WQ Standards** – standards development; variances; implementing standards in permits
- **Clean Water Plans** – TMDL development and implementation; improved analysis and tracking of restoration efforts

Agency Budget Summary -19-21



Water Quality Budget



Oregon DEQ's Mission



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