



Water Infrastructure in Oregon

Key Takeaways

- Define what water infrastructure means.
- Summary of LOC water infrastructure report.
- Examples of current challenges.
- Solutions.

Water Infrastructure



Drinking Water



Water for Commercial
& Industrial Use

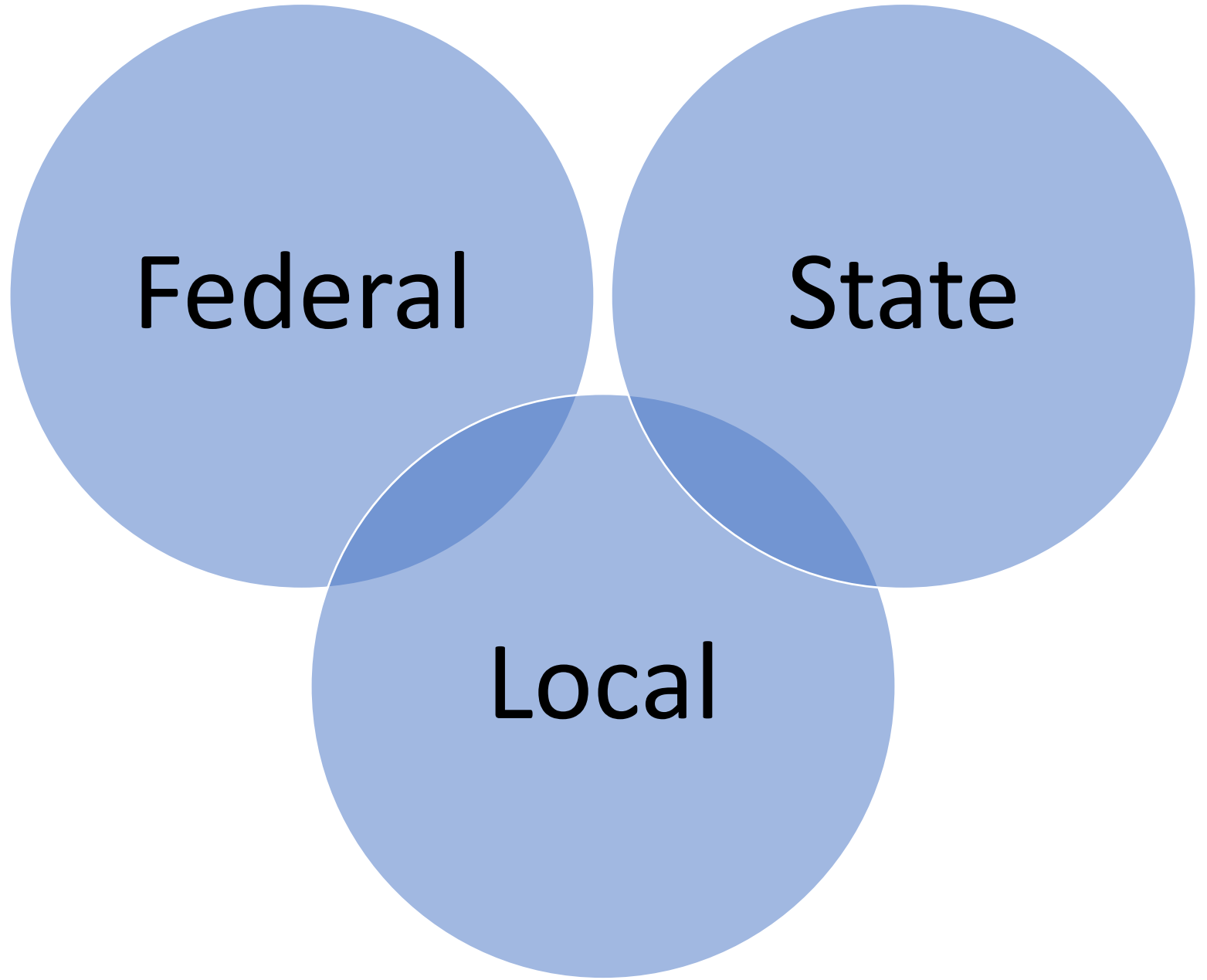


Wastewater & Sewer



Stormwater
Management

Water Roles
and
Responsibilities



Water Infrastructure Survey

- League of Oregon Cities (LOC) partnered with Portland State University's (PSU) Center for Public Service to conduct survey.
- Identified \$9.7 billion in water-related infrastructure needs.
- \$23 billion in statewide water infrastructure costs over the next 20 years.



Federal Cost-Share Decline

- Federal investment in water infrastructure has decreased over time.
- Fallen from 62.77% in 1977 to less than 10% today (adjusted for inflation).
- Funding typically made available through loans.



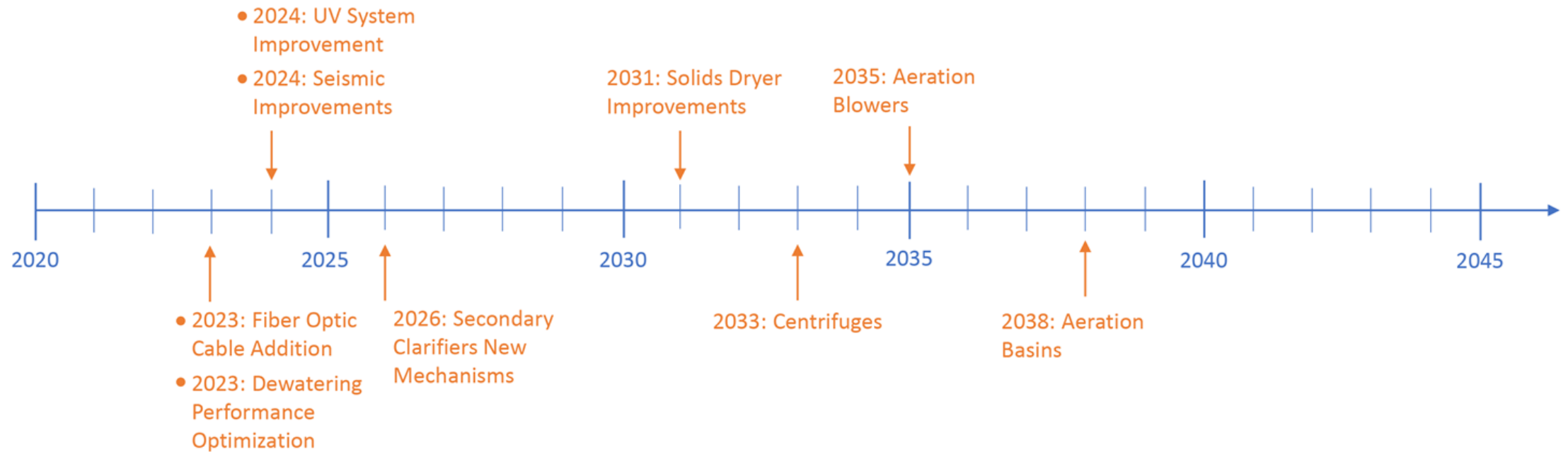
City of Wilsonville



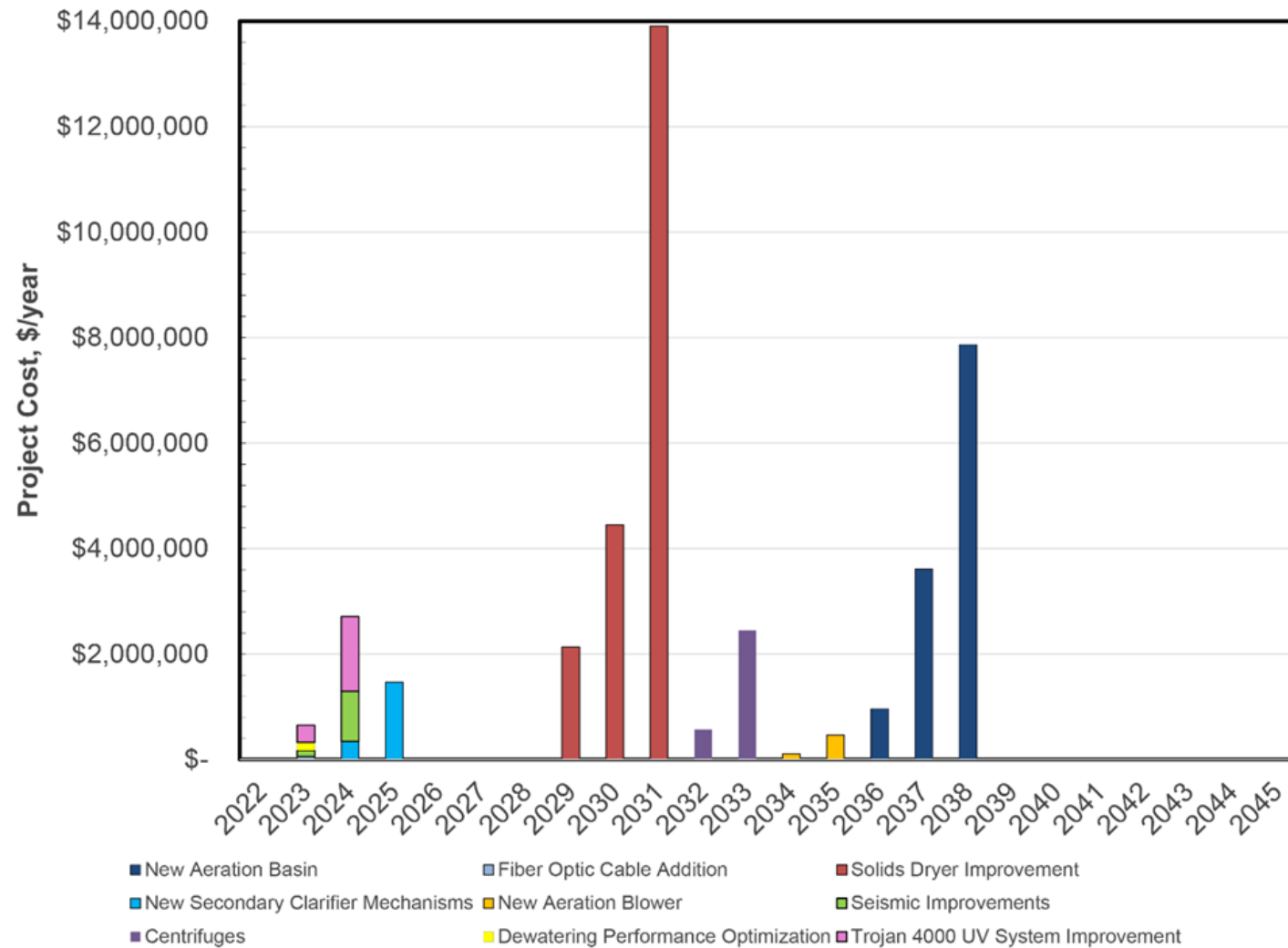
Facility Master Planning

- **Facility Capital Planning**
 - **Accommodate for Expected Growth**
 - **Address Asset Condition and Replacement Needs**
 - **Address Resiliency**
 - **Address Potential Regulatory Drivers**
- **20-year plan – updated every 5-10 years**

Facility Master Planning



Facility Master Planning



Local Funding Tools

- **Water and Sewer Rates**
- System Development Charges (SDCs)
 - Only available for projects attributed to growth

Existing Financing Tools

Municipal Bonds

Federal Loans

State Loans

Minimal Grants Available



Rockwood Water PUD Groundwater Improvements

Inflation impacts on infrastructure budget

Construction	Description	2020 Estimate	2023 Update	% change
2021-23	Cascade Reservoirs & Well #7 Improvements	\$ 12,466,239	\$12,466,239	0%
2024-24	Glendoveer Transmission Main	\$ 6,750,000	\$9,292,522	38%
2023-25	Transmission Mains	\$ 6,460,000	\$12,020,232	86%
2024-25	Cascade Well #8 Water Treatment Plant 141 st Ave	\$ 9,410,000	\$14,431,321	53%
2024-25	Cascade Water Treatment Plant Halsey Ave	\$ 15,025,000	\$26,373,475	76%
2024-26	Cascade Well #6 and Water Treatment Plant 223 rd Ave	\$ 6,464,000	\$9,407,959	46%
2023-24	Cascade Well #9 at Kirk Park	\$ 2,550,000	\$5,328,319	109%
	Subtotal	\$ 59,125,239	\$89,320,067	
	5% contingency	\$ 2,956,262		
	Total	\$ 62,081,500	\$89,320,067	44%

Seal Rock Water District Lincoln County



Microfiltration Membrane
Water Treatment Technology



Seal Rock Water District

1.5 MGD Microfiltration Membrane Water Treatment Facility

- USDA - Rural Development, Rural Utility System Funding Program:
 - Loan Amount: \$9,096,000
 - Grant Amount: \$2,799,500
 - Sub Grant: \$1,100,000
- Business Oregon - Safe Drinking Water Revolving Loan Fund 2018
 - Loan Amount: \$2,451,000
 - Forgivable Amount: \$1,030,000
- Total Partner Funding Package: \$16,476,500





City of Vale

City of Vale

- Current Population 1,910
- New 62 lot subdivision in progress
- New 137 Space RV Park (opens October 2023)
- New 5 Acre Annexation for 5 residential lots
- 8-1/2-acre redevelopment residential building site
- Potential Grassy Mountain Gold Mine

Water Infrastructure Need (\$6.5 million)

- 1 Million Gallon Water Storage/Booster Station Project
 - Fire flow supply
 - Flow equalization and pressure requirements
 - Emergency water supply for residents
 - Prepare for increased system demand

Solutions

- Special Public Works Fund
- Building Capacity
- Grants



Questions