
Drinking Water Services Program Update

January 2020

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PUBLIC HEALTH DIVISION
Drinking Water Services

Oregon
Health
Authority

Presentation Overview

- Federal Updates
- State Program Updates
- Drinking Water performance measures
- Drinking Water Fees
- Legislature

Federal Updates

America's Water Infrastructure Act of 2018 (AWIA) Section 2013:



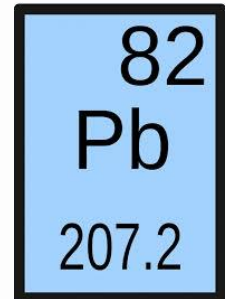
- Risk and Resilience Assessments, if serving >3,300
 - Certify completion to EPA by:
 - March 31, 2020 serving >100,000 **(5 systems)**
 - December 31, 2020, serving 50,000 to 100,000 **(11 systems)**
 - June 30, 2021, serving 3,300 to 50,000 **(101 systems)**
 - Review and Update every 5 years; recertify to EPA
 - Resources available on EPA Water Security website

EPA Regulatory Update--January 2020

| | | |
|---|--------------|---------------------------------|
| Perchlorate | Final | June 19, 2020 |
| Lead and Copper Rule Revisions | Proposed | November 13, 2019 |
| | Comments due | February 12, 2020 |
| | Final | Late 2020 ?? |
| Water System Restructuring Rule | Final | October 2020 |
| Consumer Confidence Report Revisions | Final | October 2020 |
| 4th Regulatory Determination | Preliminary | Early 2020 |
| | Final | January 2021 (5 year cycle) |
| 5th Contaminant Candidate List | Draft | 2020 |
| | Final | November 2021 (5 year cycle) |
| 5th Unregulated Contaminant Monitoring Rule | Proposal | Summer 2020 |
| | Final | November 2021 (5 year cycle) |



Federal Updates

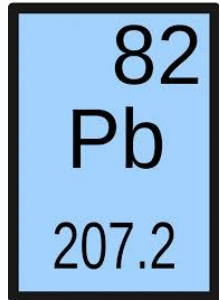


Proposed Lead and Copper Rule Key Revisions:

- Identifying areas most impacted
 - LSL inventory within 3 yrs
 - Find and fix for AL exceedances
- Strengthening treatment requirements
 - Trigger Level of 10 ug/l, reoptimize CCT or CCT study
- Replacing Lead Service Lines (LSL)
 - Goal based replacement if >TL but <AL
 - 3% per year above AL
- Increasing sample reliability
 - Prohibited from flushing or removing aerators
 - Greater targeting of LSL in sample plans

US AL
exceedances
reduced by
90% since
LCR

Federal Updates



Proposed Lead and Copper Rule Key Revisions:

- Improving risk communication
 - Notification within 24 hrs of AL exceedance
 - LSL inventories publicly available
- Protecting children in schools
 - CWS test 20% of schools/day cares served annually

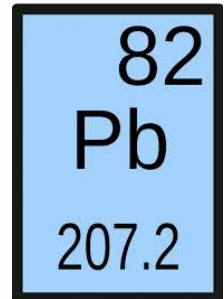
Federal Updates

| |
|-------|
| 82 |
| Pb |
| 207.2 |

Concerns with the proposed revisions:

- Increases complexity of an already complex rule
- Reporting and data management demands are high
- Unknown service lines assumed as LSL
- Trigger level is still not health based, confusing to public
- Find and fix provisions need to be simplified
- 24 hr notification problematic, but in statute

Federal Updates



Proposed Lead and Copper Rule revisions Timeline:

- Public comments due by Feb 12
- Final Rule expected in late 2020?
 - Within 2 yrs States submit Primacy packages
 - Within 3 yrs :
 - Rule effective
 - Lead Service Line inventories due to State

PFAS Updates

Federal Updates:

- EPA Reg Determination early 2020
- New EPA test methods for short chain PFAS chemicals
- Congress unable to compromise on Defense bill PFAS provisions

In Oregon:

- State DEQ/OHA workgroup
- Springfield back-up well taken off-line with low level detections



90% on Rotten Tomatoes

State Program Updates



Staffing updates

- **Technical Services Units:**
 - Chantal Wikstrom, new Field Sanitarian/Emerg. Preparedness
 - New positions: 2 Natural Resource Specialists
- **Data Management, Compliance and Enforcement Unit:**
 - Bianca Dolan, new Research Analyst/GIS specialist
 - New position: Compliance Specialist
- **Protection, Planning, Certification Unit:**
 - Phebe Howe, new Partner Services coordinator

State Program Updates



Program goals/objectives:

- Management
 - Hire and train new staff
 - Support SOS program audit (temporarily on hold)
 - Provide support during Legislative session
- Data Management, Compliance and Enforcement
 - Work with labs on electronic reporting of lab data
 - Support PHD Data Visualization initiative
 - Continue to refine enforcement priorities and process, reduce # of systems with Health Based violations

State Program Updates

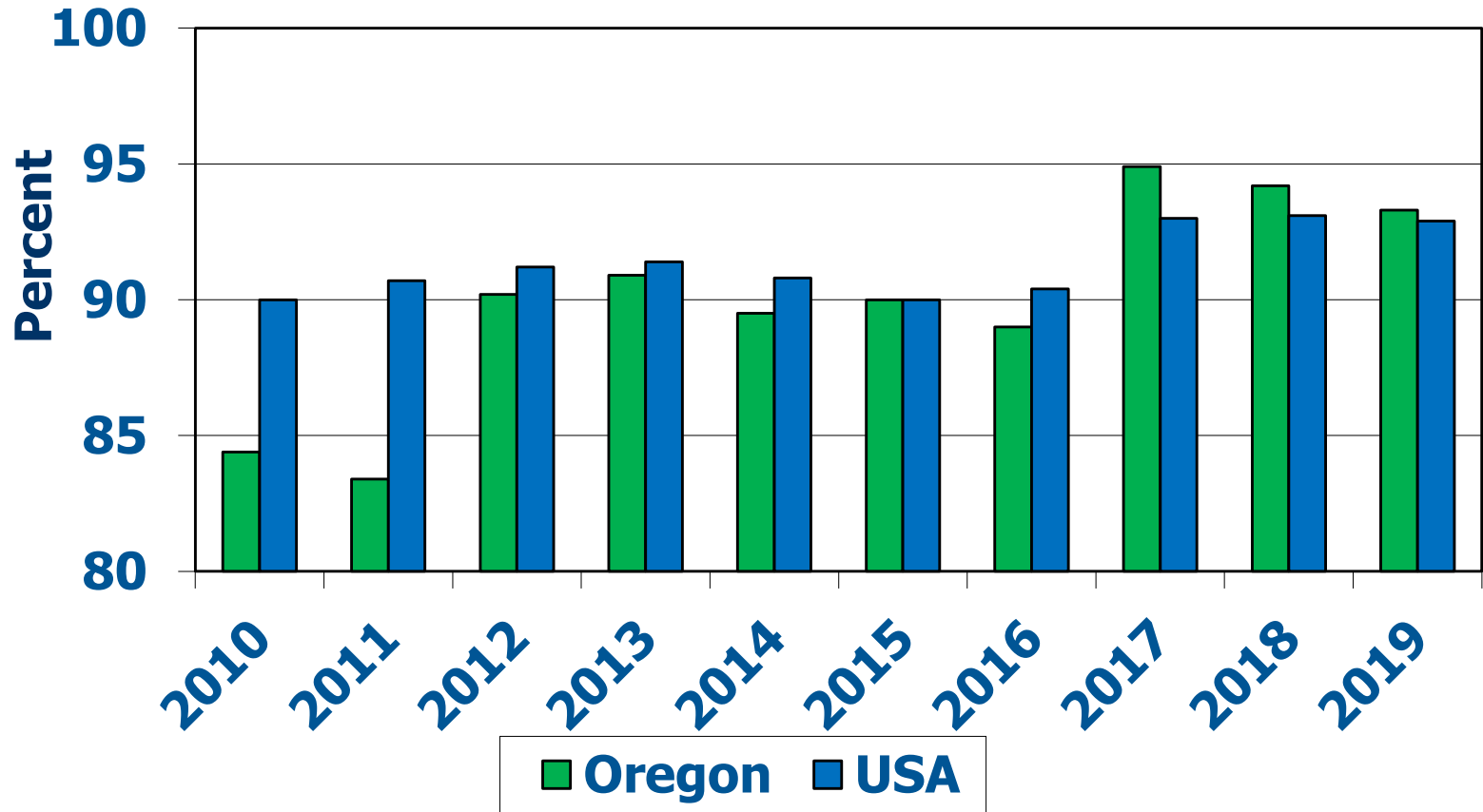


Program goals/objectives:

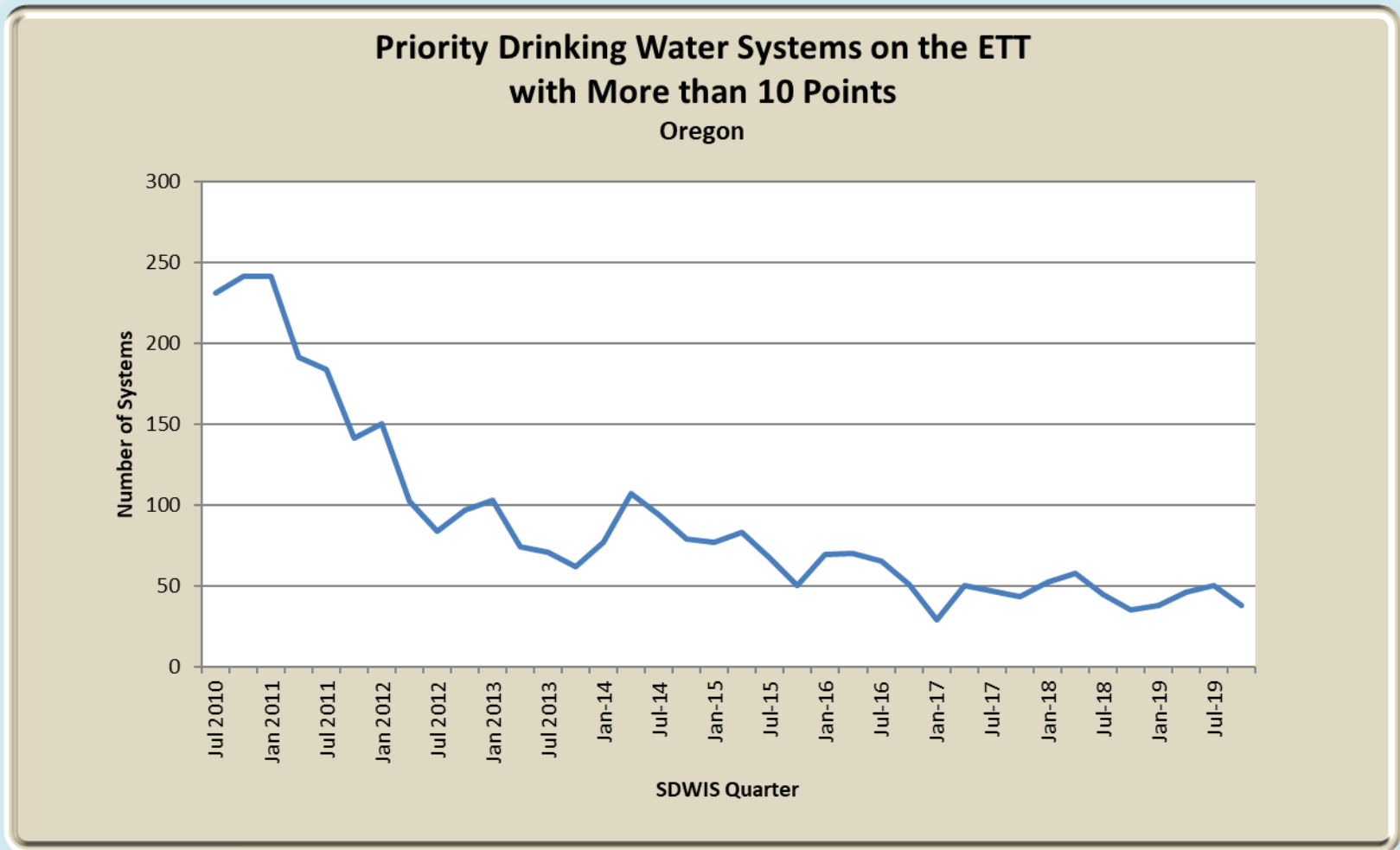
- Protection, Planning and Certification
 - Continue work to streamline Op Cert program
 - Prepare for DWSRF Needs Survey
 - Develop Small/Disadvantaged system WIIN grants program
 - Small system equipment assistance program pilot
- Technical Services
 - Increase focus on emergency preparedness
 - Revamp Source Water Protection program
 - Work with small systems to increase compliance, reduce the # of systems with Health Based violations

Safe Drinking Water Performance Measures

Percent of community water systems that meet health-based standards throughout the year



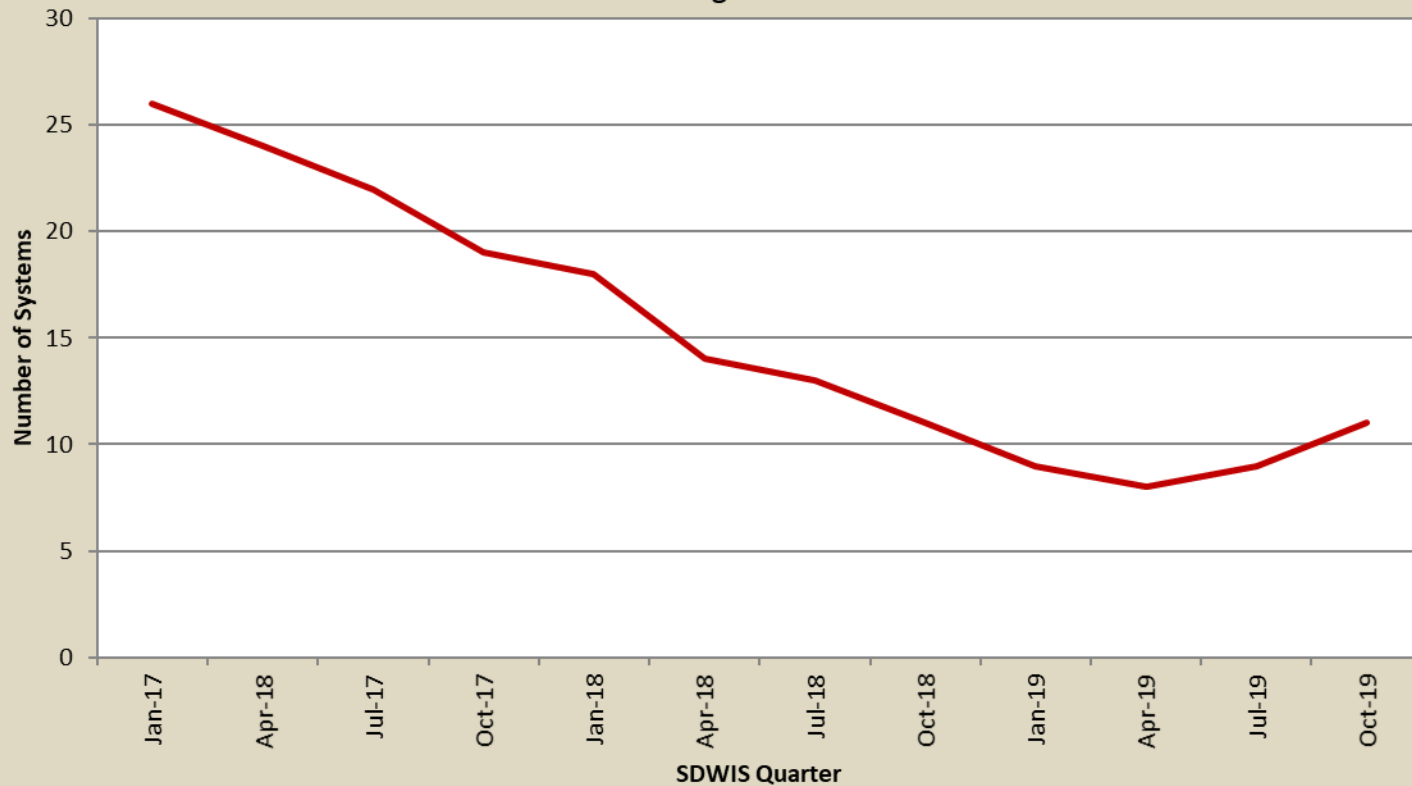
Safe Drinking Water Performance Measures



Safe Drinking Water Performance Measures

Red Systems

On the Enforcement Priority List for More than Six Months
Oregon



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Safe Drinking Water Performance Measures

Some Numbers:

93 Percent of CWS meet all health based standards

178 PWSs with corrosion control treatment for lead.

0 Confirmed detections of cyanotoxins in finished water in 2019.

5 Systems with Lead Action Level exceedances in 2019.

21 Active water advisories currently, excluding loss of pressure.

1137 Contaminant alerts responded to in 2019.

40 Percent of Non-EPA systems fail to submit all routine lab analyses.

28 Percent of sample results reported electronically.

Safe Drinking Water Performance Measures

Most Common MCL violations:

1. Arsenic
2. Nitrate
3. Disinfection Byproducts

Most common survey deficiencies:

1. No operations and maintenance manual
2. No coliform sampling plan
3. Emergency response plan not completed

90%

of Oregon PWSs
serve 500 people
or fewer

Small system tools and approach

- Access to County and State regulators
- Circuit rider
 - Short term operational support
 - Financing options and application assistance
- Financial assistance
 - Sustainable Infrastructure Planning Project grants
 - SRF loans, principal forgiveness subsidies
 - New WIIN grant and SSEA grants under development
- Financial assistance gaps
 - Non-community for profit systems
 - State regulated systems

Locust Mobile Village, consolidation with Milton- Freewater, ending a 3-year boil advisory



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Drinking water at Hidden Pines RV park no longer has high levels of Nitrate!



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Drinking Water Fees

Final Fee Rules, effective Jan. 1, 2020:

– **Next steps:**

- Mid-Feb . Notification letter to all systems
- May 1. Fee invoices mailed
- July 1 Fee payments due
- Aug 1 Late fees assessed



Legislative sessions

2020 Short session:

- HABs workgroup bill (HB 4071)
- Domestic well testing bill (HB 4077)

2021 Session:

- No Drinking Water program LC
- Likely some cleanup in agency Housekeeping bill



Working together to
keep drinking water
safe for Oregonians.

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Drinking Water State Revolving Fund (DWSRF)

1996 SDWA Amendments - Section 1452

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DWAC – January 28th, 2020



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DRINKING WATER SERVICES
Center for Health Protection / PHD

DRINKING WATER STATE REVOLVING FUND (DWSRF)

AGENDA:

- 1) SDWRLF Financial Status
- 2) Purchasing Water Rights – Class Deviation
- 3) End of 2Q2020 – Combined Infra. Project Priority List (PPL)
- 4) End of 2Q2020 – Sustainable Infra. Planning Projects (SIPP) PPL
- 5) Small System Equipment Assistance Concept - *Update*
- 6) Water Infrastructure Improvements for the Nation (WIIN) Act, Section 2104 – Assistance for Small and Disadvantaged Communities Grants



DRINKING WATER STATE REVOLVING FUND (DWSRF)

SDWRLF Financial Status

Purchasing Water Rights – Class Deviation (memo 11/26/19)

- Removes the prohibition of DWSRF funds for purchasing water rights. Language from memo:

For the purposes of this class deviation, the purchase of ‘water rights’ is defined as the monetary value of the right to use water from a given source (e.g., a river, lake, aquifer) for the purposes of drinking water supply for an existing population.

Projects covered by this class deviation may be standalone assistance agreements (i.e., the assistance agreement is solely for water rights) or may be part of a larger public health project.

The principal purpose of this class deviation for water rights is to provide a safe drinking water supply and improve public health protection for drinking water systems’ existing populations. Moreover, the class deviation request is not designed to support population growth and thus is consistent with the SDWA.



DRINKING WATER STATE REVOLVING FUND (DWSRF)

Purchasing Water Rights – Class Deviation (memo 11/26/19)

Continued...

- Must meet the criteria below to be covered under this class deviation:
 1. *The project directly addresses a compelling, imminent public health threat;*
 2. *The project is a cost-effective alternative;*
 3. *DWSRF funding is a significant factor to ensure that the project will proceed;*
 4. *The financial terms of the DWSRF assistance agreement are equal to or less than the “design life” of the project (e.g., a 15-year loan for 15-year water rights purchase);*
 5. *The main project purpose cannot be to prepare for future growth.*



DRINKING WATER STATE REVOLVING FUND (DWSRF)

Combined Infrastructure PPL Updates – Quarter 2

(health / compliance & general infrastructure / resilience)

- 4 new eligible projects added to list during 2nd quarter
- 42 total projects on the current PPL (health/comp. & gen. infras/res.)
- Total requested amount on PPL = >\$73 million
 - \$1 million for 2nd quarter
- 2nd quarter project public comment period – 1/30 to 2/10

Sustainable Infrastructure Planning Projects (SIPP) PPL Updates – Quarter 2 *(Base & Seismic)*

- 3 new eligible SIPP projects added to PPL during 2nd quarter
- 3 new eligible Seismic projects added to PPL during 2nd quarter
- Public comment period – 1/30 to 2/10
- \$120,000 requested for 2nd quarter
- Funds remaining for Q3 = \$80,000 (SIPP) & \$108,000 (Seismic)



DRINKING WATER STATE REVOLVING FUND (DWSRF)

Small System Equipment Assistance Concept - *Update*

- To fund small scale additions or replacement of equipment and instrumentation needed by small water systems to ensure continued operation and protection of public health.
- *Temporarily postponed – Competing priorities*



DRINKING WATER STATE REVOLVING FUND (DWSRF)

Water Infrastructure Improvements for the Nation (WIIN) Act, Section 2104 – Assistance for Small and Disadvantaged Communities Grants – **Non SRF Related Grant Program**

•Authorizes EPA to award grants to states to assist underserved, small (<10,000) and disadvantaged communities (MHI below state average) that are unable to finance needed activities to comply with SDWA as well as for a state to respond to drinking water contaminants.

•OHA/BizOR. priority focus for 2019 appropriation:

1. Warm Springs
2. Two Health/Compliance projects – on DWSRF PPL
 - Cities of Joseph and Gold Beach

•What's available?

1. **\$556,000 (federal)**
 - Split 3-ways at \$185,000/project
2. **≥ \$456,000 (cost-share/match)** – Oregon's Water/Wastewater
 - Split 3-ways at \$152,000/project

•BizOR. Regional Staff currently working on target approach (i.e., community assistance) prior to invitations sent



OREGON SAFE DRINKING WATER REVOLVING LOAN FUND STATUS

January 28, 2020

| | | |
|-------------------------------|----------------------|----------------------|
| FUND AVAILABILITY: | <i>(in millions)</i> | <i>(in millions)</i> |
| ACCOUNT BALANCE | | \$148.5 |
| REMAINING TO DRAW | | \$94.3 |
| TOTAL FUNDS AVAILABLE: | | \$54.3 |

POTENTIAL COMMITMENTS

Projects Pending Contract Execution:

| <u>Client</u> | <u>Project Description</u> | <u>Awarded</u> |
|---------------------------------|---|----------------|
| City of Banks | Banks Water Supply Development - Phase 1 | \$172,954.00 |
| City of Cannon Beach | Water Meter Replacements | \$624,150.00 |
| City of Dayville | Water System Improvements | \$20,000.00 |
| City of Riddle | Sesimic Risk Assessment and Mitigation Plan | \$20,000.00 |
| Crystal Springs Water Dis | Odell Water Consolidation | \$2,130,000.00 |
| Eastmont Water Company | Feasibility Study for Water System Improvements | \$20,000.00 |
| Fairview Water District | Water Master Plan Update | \$12,040.00 |
| Falcon Cove Beach Water D | Water Production Capacity Increase | \$125,000.00 |
| Idleway Improvement Distr | Feasibility Study | \$20,000.00 |
| Santiam Meadows Community | Main Distribution Line Replacement | \$302,500.00 |
| Springwater Environmental | Water System Improvement | \$46,340.00 |
| Wickiup Water District | 2019 Water Master Plan Seismic Risk Assessment | \$20,000.00 |
| TOTAL CONTRACTS PENDING: | | \$3.5 |

Projects at the Intakes & Apps Phase:

| <u>Client</u> | <u>Project Description</u> | <u>Request</u> |
|--|---|----------------|
| Barlow Water Improvement District | Update Water System Master Plan & Hydraulic Model | \$20,000 |
| City of Mitchell | Water System Improvements | \$20,000 |
| City of Myrtle Point | Myrtle Point Water Master Plan | \$20,000 |
| City of Powers | Water Master Plan Amendment | \$20,000 |
| City of Rufus | Feasibility Study | \$20,000 |
| City of Union | Water Rate Study | \$20,000 |
| Crystal Springs Water District | Parkdale Water Company Acquisition Feasibility Stud | \$20,000 |
| Harbor Water People's Utility District | Harbor Water Master Plan Risk and Resiliency | \$20,000 |
| Nesika Beach-Ophir Water District | Water Master Plan | \$20,000 |
| Nesika Beach-Ophir Water District | Water Master Plan | \$20,000 |
| Parkdale Water Company, Inc | Parkdale Water System Feasibility Study | \$20,000 |
| City of Sweet Home | Regional Biosolids Composting Feasibility Study | \$25,000 |
| Minikahda Water District | MWD Distribution System Replacement Project | \$62,408 |
| Minikahda Water District | MWD Distribution System Replacement Project | \$128,952 |
| London Water CO-OP | Groundwater Source Transition | \$183,000 |
| South Hills Water System | Water System Update | \$220,000 |
| Laurelwood Water Users Coop | Recovery Plan | \$370,500 |
| City of Amity | Salt Creek Bridge Water Transmission Main | \$465,680 |
| Eastmont Water Company | Drinking Water System Resiliency Improvements | \$675,000 |
| Lusted Water District | Groundwater Supply Project | \$950,000 |
| City of Joseph | Distribution System Improvements 2020 | \$2,100,000 |
| Corbett Water District | New Water Well Improvement Project | \$2,183,000 |
| City of Cannon Beach | Water Pipeline Replacement | \$2,200,000 |
| City of Prineville | Water System Improvements | \$2,500,000 |
| City of The Dalles | Dog River Pipeline Replacement Project | \$4,000,000 |
| Town of Lakeview | Water Treatment Facility | \$4,467,000 |
| City of Beaverton | North Transmission Intertie | \$20,000,000 |
| TOTAL INTAKES AND APPS: | | \$40.8 |

NET AVAILABLE: **\$10.0**

ACCOUNTS RECEIVABLE / PRINCIPAL OUTSTANDING: **\$167.3**