PNWS AWWA

Was it Always This Hard?

Modern Project Delivery in the PNW

Panel Discussion

Kari Duncan – Canby Utilities
David Peters – Portland Water Bureau
David Kraska – Tualatin Valley Water District

May 7, 2026



Agenda

- Introductions / Background
- Key Considerations
- Message of Hope

Introductions

Click to add team member introduction text



Kari Duncan

General Manager
Canby Utilities
kduncan@canbyutility.org



David Peters

Program Director
Portland Water Bureau
David.Peters@portland oregon.gov



Dave Kraska

Program Director
Tualatin Valley Water District
david.kraska@tvwd.org

Kari Duncan

Lake Oswego-Tigard Water Partnership (LOTWP) 2008-2017
Cascade Groundwater Alliance (CGA) 2020-2026
Canby Water Supply Program (CWSP) 2025-2031

General Manager – Canby Utility

Intake
Pipelines
Treatment Plant
Reservoir
Pump Stations



- 32/38 MGD Capacity
- $250 Million Final Project Budget
- 2009-2017

Expanded Plant LOT



Cascade Groundwater Alliance – Rockwood Water PUD and City of Gresham (36 MGD approx.)







3 Groundwater treatment plants



2 New water tanks

CGA By the Numbers



5 Wells & wellhouses



$165 Million

57K

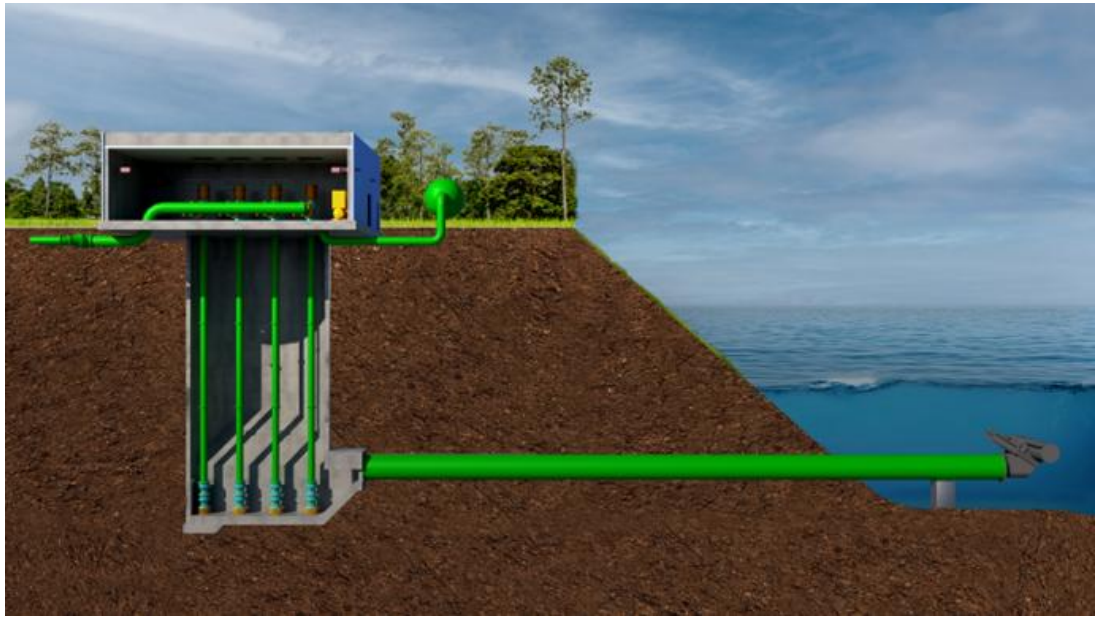
Feet of water transmission piping



1 Water storage tank rehabilitation

Canby Water Supply Program: What we are building

New intake and pump station, and pipeline



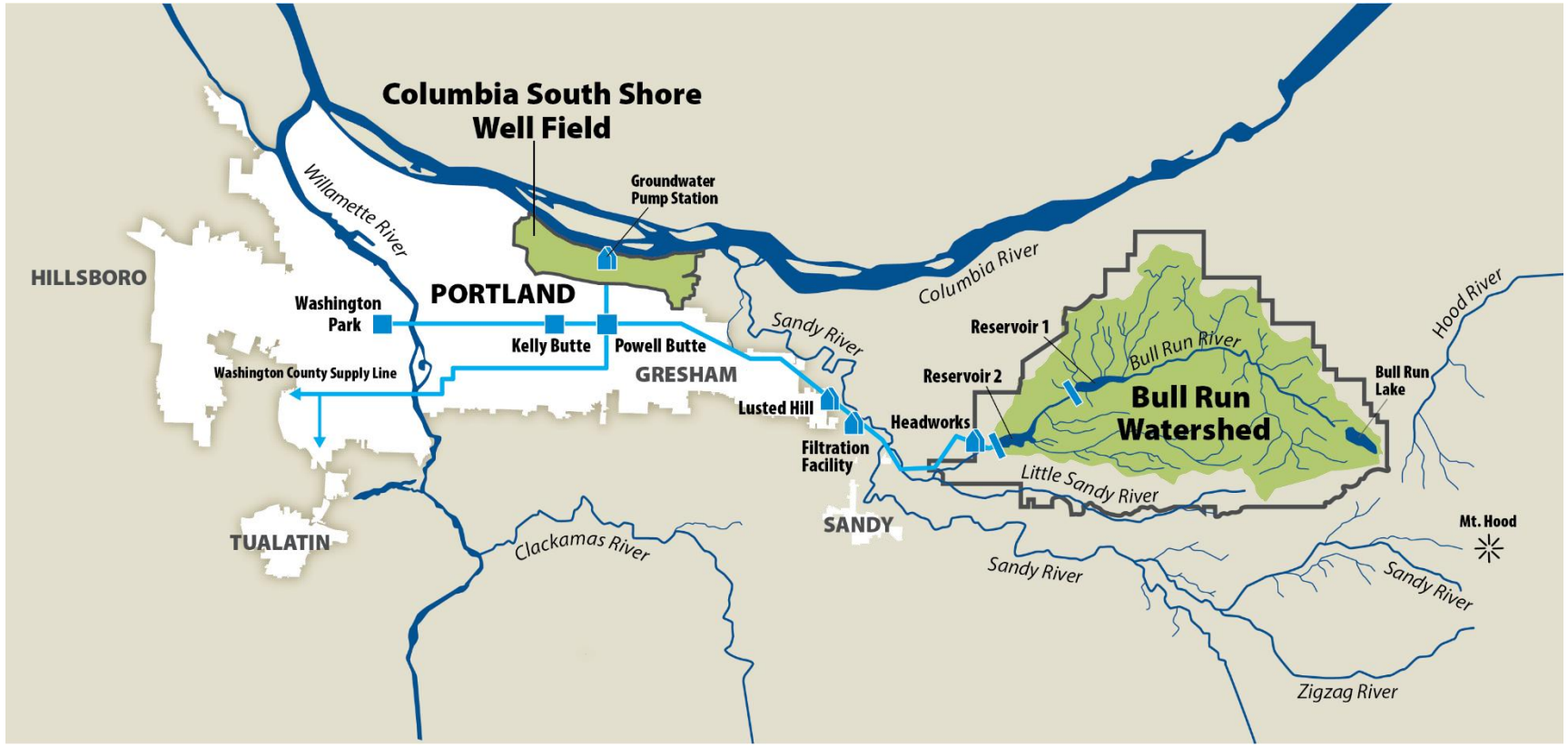
New water treatment plant



David Peters

Portland Water Bureau
Bull Run Projects

Thanks to thoughtful planning, Bull Run has been a source of **excellent water since 1895**



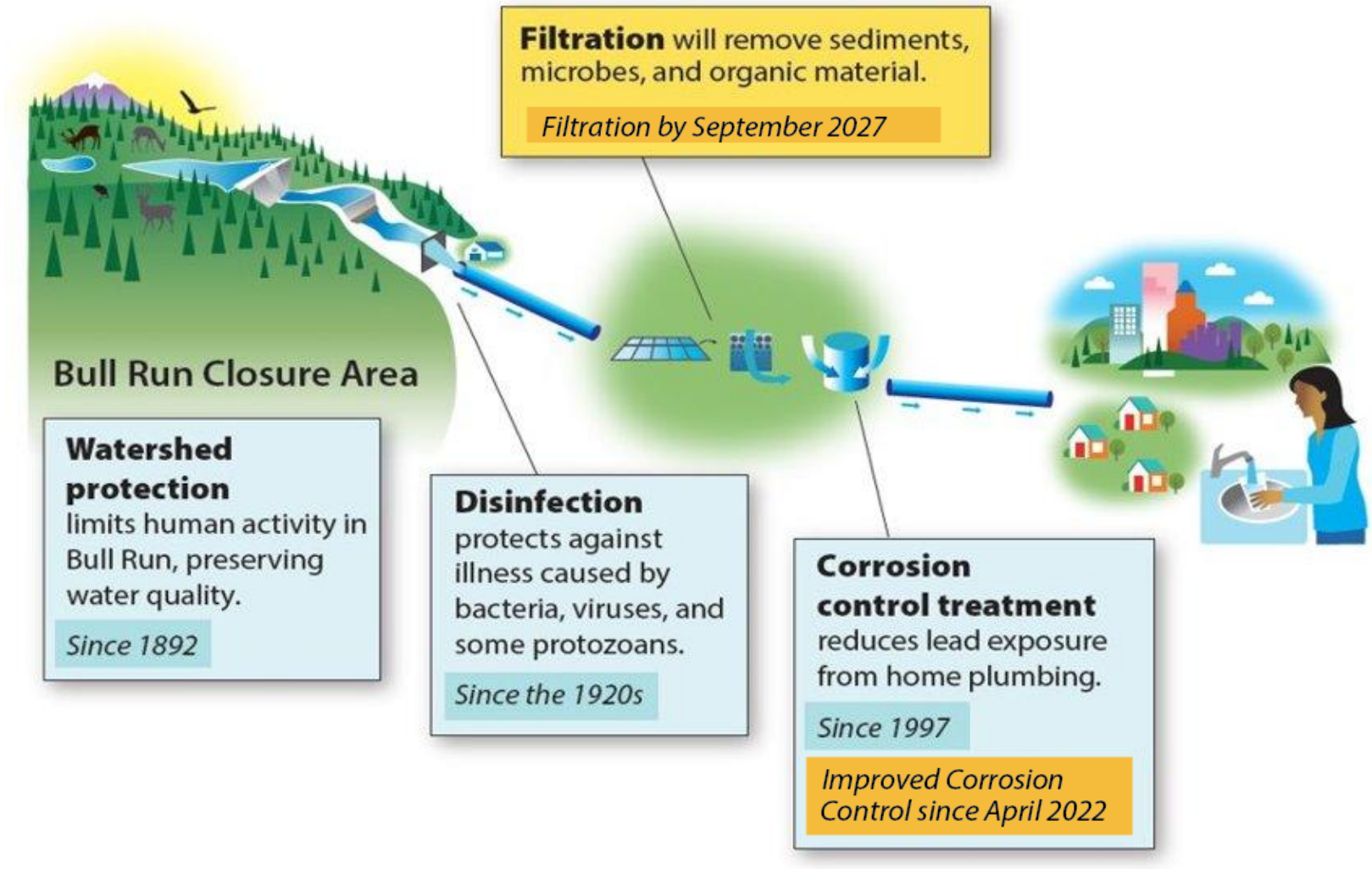
Water Storage Facility
Water Supply Pipes
Portland Water System Distribution Area
Water Source
Water Treatment Facility
Dam
Protected Area

- Serves almost 1 million people
- Serves the City of Portland and 19 wholesale customers
- Uses 100 million gallons of water on an average day

Bull Run
TREATMENT
PROJECTS

Our water: Safe and abundant for generations to come

Improvements to our system are needed to meet national drinking water standards



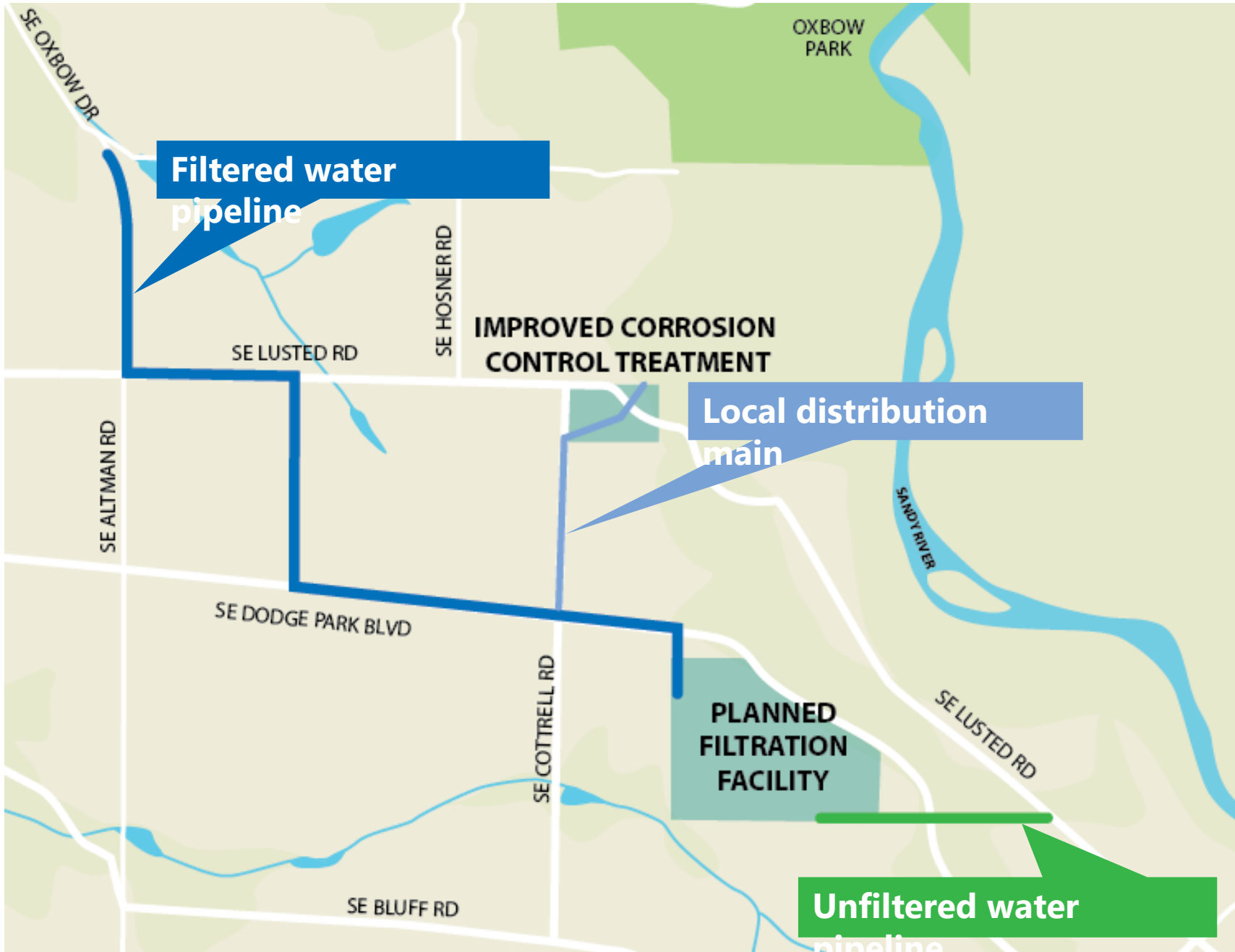
Project decisions are guided by community values

Customers tell us they most value:

- **Water quality** and public health protection
- **Best value** for customers
- Minimizing **community impacts** to rural site neighbors
- **Reliable, consistent** water

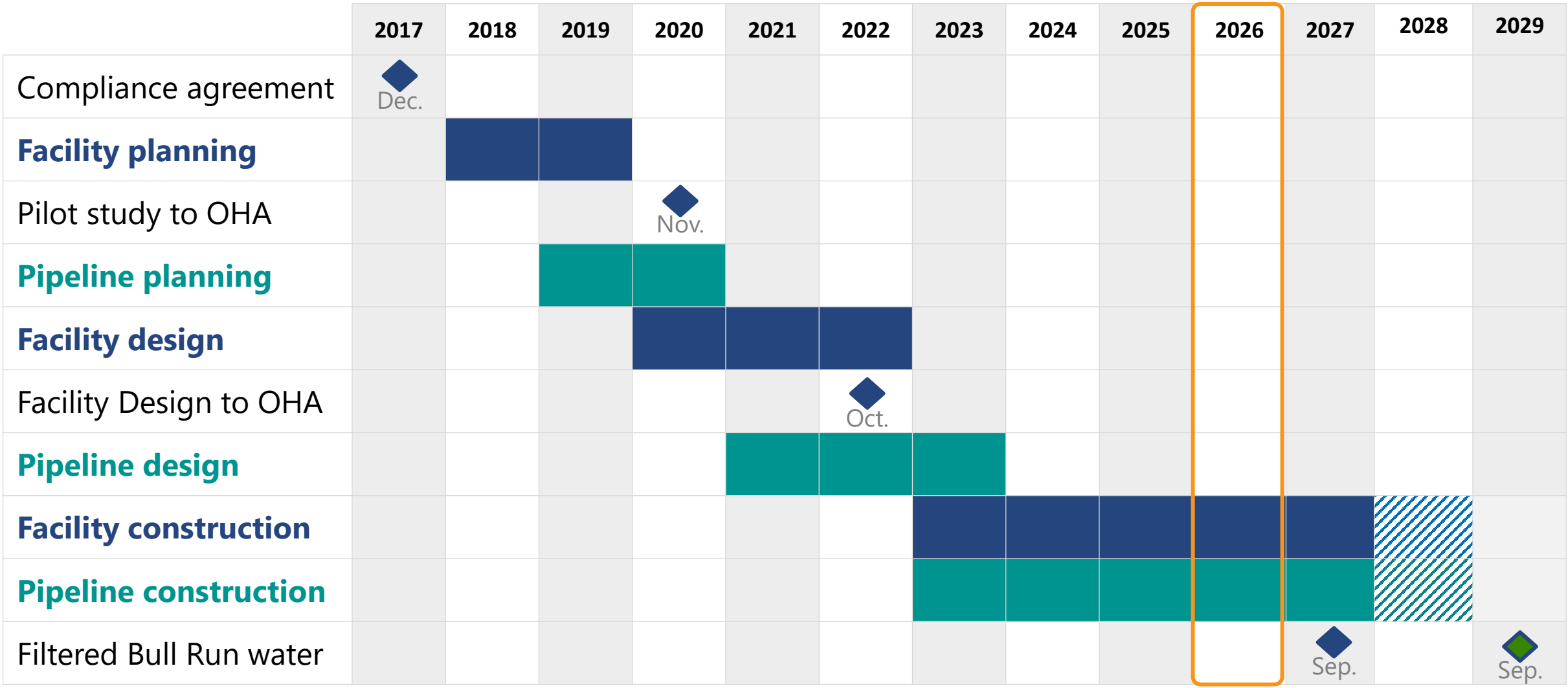


New seismically resilient pipelines will tie the water filtration facility into the existing system





Compliance Schedule

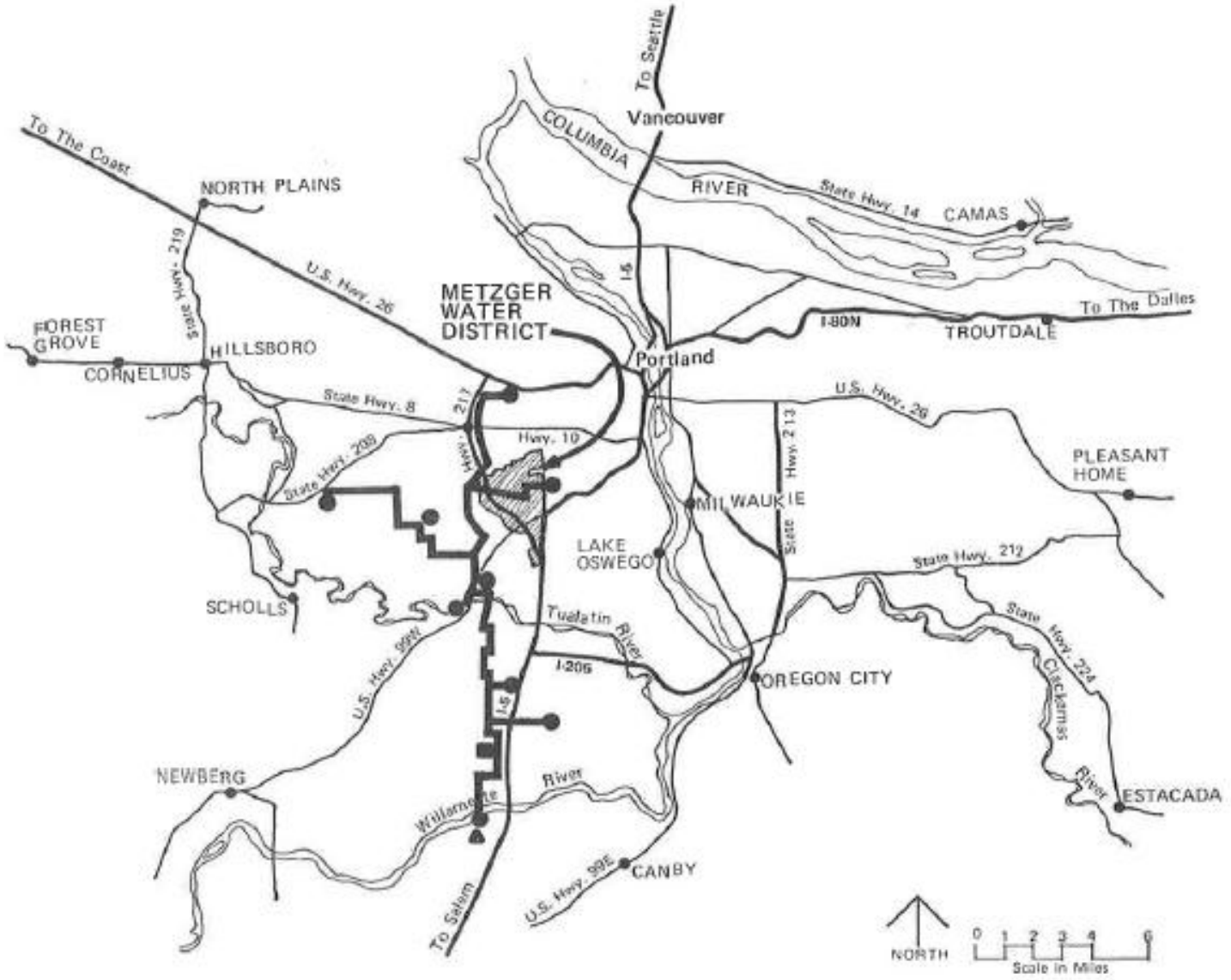


Dave Kraska

Willamette Water Supply System

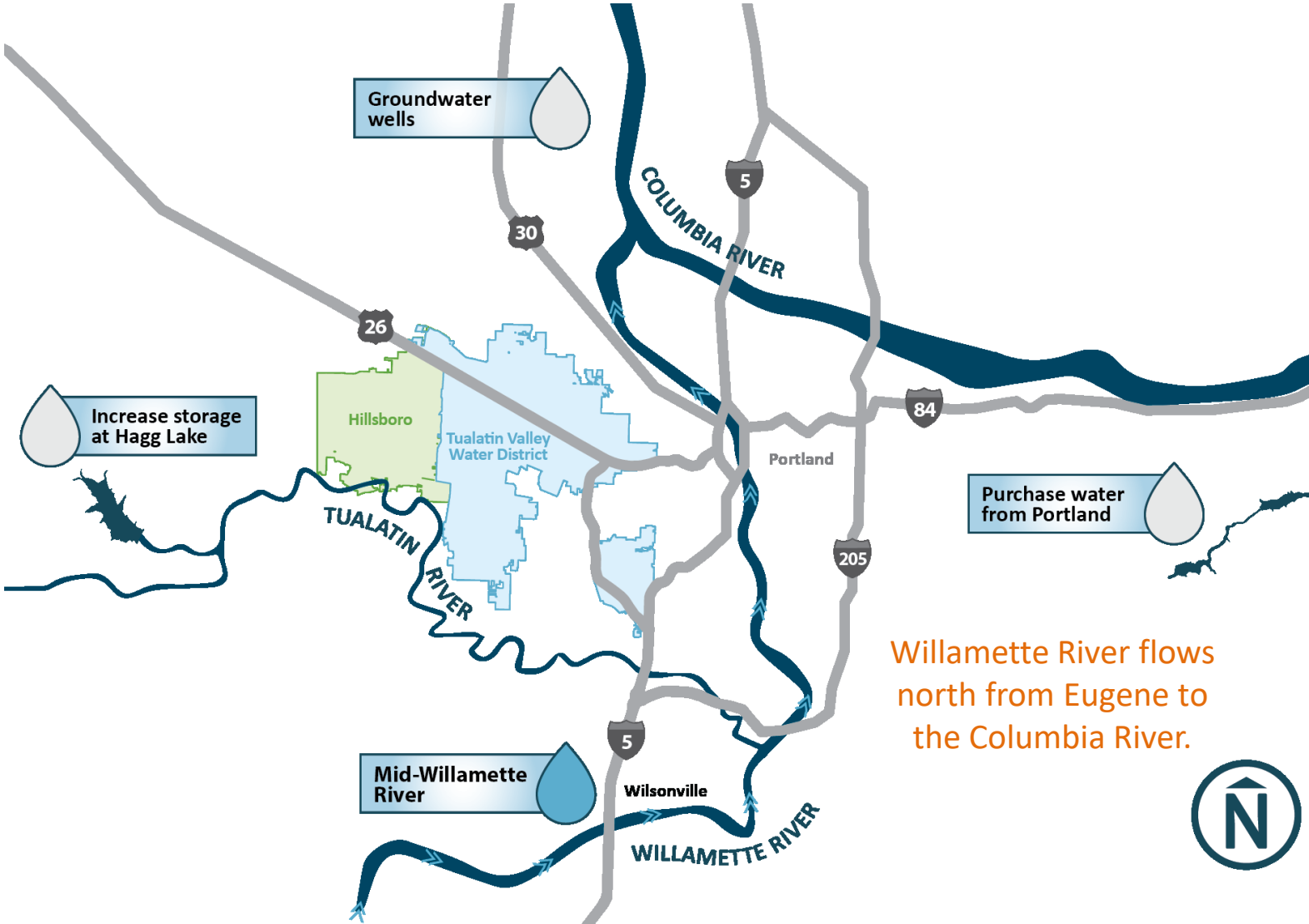
Region's Historical Interest in the Willamette River

- 1973 Permit Application
- 150 mgd
- 6 water districts
- 4 cities
  - bond issues for financing to electorates if unable to negotiate with Portland
- $58.6 M



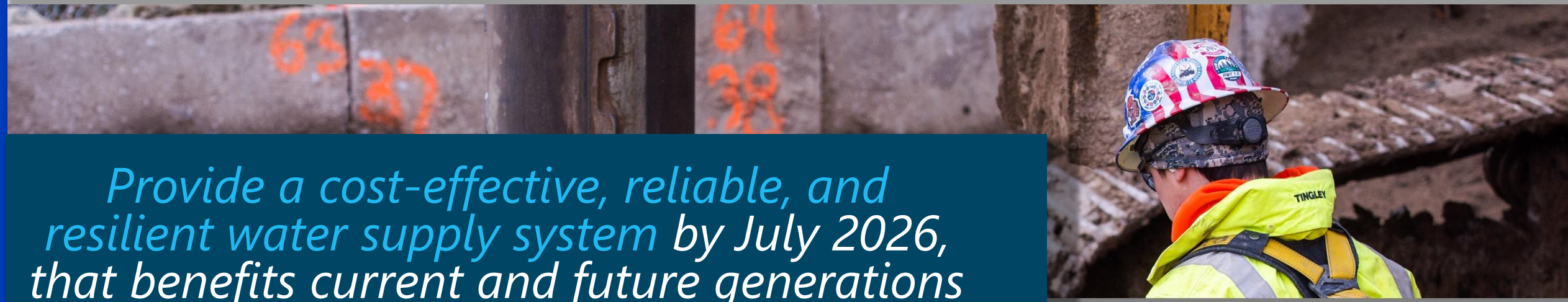
2013 TVWD and Hillsboro selected the Willamette River after a multi-year technical study and public input

- ✓ Lower cost – less impact on rates
- ✓ Excellent water quality
- ✓ Ownership
- ✓ Reliability
- ✓ Fewer environmental impacts



Willamette River flows north from Eugene to the Columbia River.

Willamette Water Supply Program Mission



Provide a cost-effective, reliable, and resilient water supply system by July 2026, that benefits current and future generations of the communities we serve and supports a vibrant local economy.

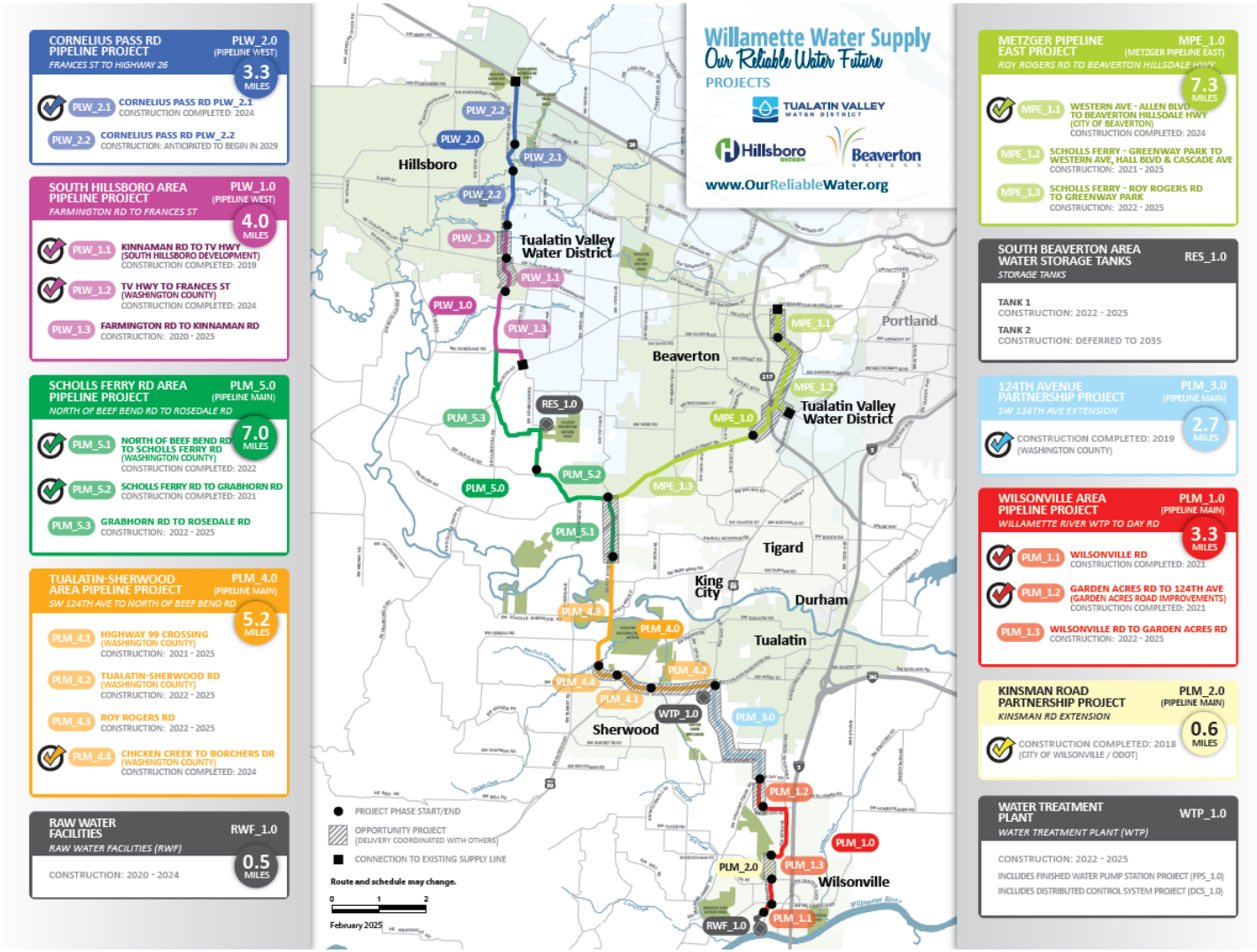
Willamette Water Supply System (WWSS) Overview

1. Willamette River intake, located in Wilsonville
2. New state-of-the-art water treatment plant
3. 30+ miles of large diameter transmission pipeline
4. Water storage tanks



WWSS Subdivided Into Multiple Projects for Improved Management and Competition

- Primary drivers for defining work packages:
  - » Jurisdictional boundaries
  - » Types of construction
  - » Local contractor bonding capacity
- Tracking late-2026 completion



Key Issues / Lessons Learned

01

How do we present initial cost estimates that demonstrate affordability while acknowledging they will evolve as part of the normal delivery process?

02

Permitting provides an on-ramp for public opposition. How have you successfully navigated this opposition?

03

Reflecting on the long duration of Program delivery, what impacts did this have on you and your staff, and what surprised you most?

04

Despite the challenges, you are still delivering these Programs. What inspires you to keep going?

Questions?