

# Resiliency & Our Changing Water Supply

Consortium Board Meeting  
February 2026



REGIONAL WATER PROVIDERS CONSORTIUM

# Resilient Projects – Project Types/Categories

- Earthquake resilience ●
- Redundant water supply ●
- Aging infrastructure replacement ●
- Emergency power supply ●
- Cybersecurity ●
- Increased capacity ●
  - Water treatment, power generation, water storage, upsizing pipes
- Water provider collaboration & partnership ●



# Resilient Projects – by water provider

- Earthquake resilience ●
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- Water provider collaboration & partnership ●

## Clackamas River Water ●●●●

- Water treatment plant improvements, SCADA system replacement, I-205 trenchless pipeline crossings, increased capacity (water treatment, distribution area)

## City of Hillsboro/Joint Water Commission ●●●●

- JWC Disinfection Facility Mitigation Project: seismically-resilient building, infrastructure replacement
- Hillsboro/Cherry Grove Pipeline Replacement: beginning work on aging infrastructure replacement including geotechnical investigation

## City of Oregon City ●●●●

- Seismic reservoir upgrades, replacing and upsizing transmission main, pump station replacement, resilient transmission pipe improvements, distribution pipe rehabilitation (10,000+ linear feet of pipe)

## Portland Water Bureau ●●●●

- Seismically-resilient reservoir construction to supply west side customers; 3,000+ linear feet of main replacement; seismically-resilient storage tank replacement

## Rivergrove Water District ●●●●

- Pipe replacement (3,200 linear feet), backbone hardening

## Rockwood Water PUD & City of Gresham ●●●●

- Cascade Groundwater Alliance: a partnership building increased water system capacity, seismically-resilient reservoirs and pipes, redundant water supply

## City of Sandy ●●●●

- SCADA system upgrade, treatment plant upgrade, pipeline extension and finished water pump station to incorporate Bull Run Filtration Facility; dechloramination infrastructure

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## Cities of Sherwood & Wilsonville ●●●

- On-site power generation to increase treatment capacity

## Sunrise Water Authority ●●

- Seismic valve installation, pipe replacement, backbone hardening

## City of Troutdale ●●

- Emergency backup power for critical well sites, seismic study for 4 reservoirs

## City of Tualatin ●●●

- SCADA system upgrade, new seismically-resilient reservoir and pump station, in-pipe hydropower generation (on-site power generation, emergency backup power), seismic valve installation at 6 reservoirs

## Tualatin Valley Water District ●●●●●●

- Replacing two pump stations with one seismically-resilient pump station with standby backup power, building resilient, multidirectional intertie with City of Beaverton, replacing two reservoirs with prestressed concrete reservoirs and constructing a pump station, operations building, and resilient piping on-site, constructing replacement pump station and reservoir to increase capacity, new connection and resilient fluoride control facility for connection to Willamette Water Supply System

## West Slope Water District ●●●●

- Designing seismically-resilient concrete reservoir with new seismic isolation valves (3 reservoirs) and backup generator, replacing approximately 1,000 linear feet of cast iron mains, additional water quality and quantity monitoring through SCADA connection