

Joint Water Commission



Pictured: Barney Reservoir

The Joint Water Commission (JWC) consists of TVWD and the cities of Hillsboro, Beaverton, Forest Grove and Tigard. The JWC owns a 60 million gallon per day (MGD) treatment plant and a 20 million gallon reservoir. TVWD owns 10 MGD of treatment capacity.

Water for the water treatment plant is comprised of water from Hagg Lake (Scoggins Reservoir) and the Barney Reservoir released into the upper portion of the Tualatin River. When flows are available, water from the Tualatin River is used during the winter months. It is then withdrawn and run through a rapid sand filter water treatment plant. Chlorine and pH adjustments are added to this water before leaving the plant.

To distribute its water, the JWC owns a pumping plant and 42” and 72” transmission mains. TVWD has purchased 35% of the Barney Reservoir capacity.

JWC At A Glance

GENERAL

- o Owned by TVWD, the Cities of Hillsboro, Beaverton, Forest Grove and Tigard
- o Rainwater is the primary source

LOCATION

- o 60 MGD Water Treatment Plant: Near Forest Grove
- o Hagg Lake (Scoggins Reservoir): Outside of Forest Grove
- o Barney Reservoir: On the Trask River in the Coast Range, between Hillsboro and Tillamook
- o Tualatin River Water Withdrawal: near Forest Grove

HISTORY

- o Created in 1976 as an intergovernmental agreement between the Cities of Hillsboro and Forest Grove
- o TVWD joined in 1994

STORAGE

- o 20 million gallon finished water reservoir

CURRENT RESERVOIR CAPACITY

- o Hagg Lake: 65,800 acre-feet*
- o Barney Reservoir: 15,710 acre-feet

TUALATIN BASIN WATER SUPPLY PROJECT

Washington County water managers have identified a need for an additional 50,000 acre-feet* of water per year to address growing water demands. The following options have been identified to best meet these needs:

- 40-foot dam raise at Hagg Lake
 - o Includes a raw water pipeline pumpback
 - o Will be studied as part of an Environmental Impact Statement (EIS).
- A multiple source option that includes a 25-foot raise of Scoggins Dam and expansion of the Willamette River Water Treatment Plant in Wilsonville.
 - o Includes a raw water pipeline pumpback
 - o Will be studied as part of an Environmental Impact Statement (EIS).

The benefits and impacts of both options will be compared against a "no action" alternative. When the final Environmental Impact Statement is completed in 2006, the U.S. Bureau of Reclamation will select a preferred alternative for the project.

* One acre-feet is the amount of water it takes to cover one acre of land in one foot of water.