

ABOUT ROSE VALLEY WATER TREATMENT PLANT

By the numbers



19,650

Total residents receiving clean, safe, reliable water



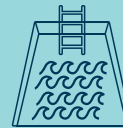
17,400 tonnes

Concrete poured, enough for 53 kms of sidewalks



47%

Amount of our City's drinking water that RVWTP treats



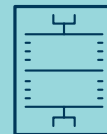
70 million L/day

Plant capacity, enough to fill 28 Olympic-sized pools



4

Total treatment processes used at RVWTP



5,245 m²

About the same size as an NFL football field

Did you know?

1. When did Rose Valley Water Treatment Plant (RVWTP) begin serving our community?

Residents in the former Lakeview System began receiving clean, safe, reliable water from the RVWTP in November 2023, and residents in the former Sunnyside/Pritchard and West Kelowna Estates Systems followed shortly after in December. To see what areas RVWTP serves, see the Water Services Map at westkelownacity.ca/waterservicesmap.

2. How does RVWTP provide clean, safe, reliable water to our community?

Rose Valley Water Treatment Plant uses dissolved air flotation, which includes coagulation and flocculation, and filtration, ultraviolet (UV) disinfection and chlorination to improve the taste, colour, and smell of water. The facility's multi-barrier treatment process provides drinking water which exceeds federal and provincial guidelines.

3. How is the project funded?

With a budget up to \$75 million, the project, which includes the connective transmission mains, has been funded through a combination of federal and provincial grants, totaling just over \$41 million, user fees, water reserves, Development Cost Charges (DCCs) and borrowing.

4. How much treated water does the plant deliver to customers each day?

The plant has the capacity to treat up to 70 million litres of water daily and was designed so that the City can increase capacity to 115 million litres per day to meet future demand.



ABOUT TRANSMISSION MAINS

By the numbers



12

Total neighbourhoods connected to RVWTP



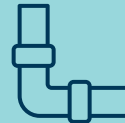
7,800

Total connections in the new RVWTP service area



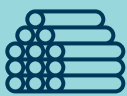
4

Total legacy water systems now served by RVWTP



177 km

Total length of watermains in the new RVWTP service area



3.7 km

Length of new transmission mains connected to RVWTP



115 million L/day

Capacity that RVWTP can be increased to for future need

Did you know?

1. Where were transmission mains installed?

Existing underground watermains were used in the legacy Lakeview System to connect to the RVWTP, requiring no construction except for the connections into the actual plant, which occurred in fall 2020. The legacy West Kelowna Estates and Sunnyside/Pritchard Systems required transmission mains to be connect to the RVWTP in 2022 and 2023.

2. What did the transmission mains construction project involve?

The project included installation of 3.7 kilometres of underground watermains in two sections: Sunnyside - Menu Road through Ourtoland and Ogden Roads to the Ogden-Boucherie intersection; and, West Kelowna Estates - Westlake Road from the Starlight Crescent intersection through Parkinson Road. To minimize community impacts, active transportation upgrades were constructed at the same time on Westlake and Parkinson Roads, from West Kelowna Road to Pettman Road and with drainage improvements on Rosewood Drive.

3. What neighbourhoods were connected to the RVWTP?

Neighbourhoods within the new Rose Valley Water Service Area are those that were once in the legacy Lakeview, Sunnyside/Pritchard and West Kelowna Estates Systems: Boucherie Centre, Lakeview Heights, Pritchard, Rose Valley, Shannon Heights, Shanon Lake, Shannon Woods, South Boucherie, Sunnyside, Tallus Ridge, West Kelowna Business Park and West Kelowna Estates. Customers of the Powers Creek, Westbank First Nation and private water systems are not connected to the RVWTP.

