



WATER & WASTEWATER UPDATE

INFORMATIONAL ONLY – NO ACTION REQUIRED

OCTOBER 16, 2017

Discussion Items

Upper Skyline Reservoir Replacement

Regional Water Second Source

Lake Wenatchee Wastewater

Upper Skyline Reservoir Replacement

Existing 140,000 gallon tank located north of Saddlerock Mountain and south of Skyline Drive

Constructed prior to the PUD entering the water business in 1974

Identified for replacement in the Water System Plan Update adopted by this Board and approved by the Washington Department of Health in early 2017



Upper Skyline Status

Proposed 300,000 gallon tank

- » Meet current and future domestic and fire flow needs

Alternative sites under consideration

- » Address ease of access, aesthetics and fire flow considerations

No. 2 Canyon and existing site are comparable in cost

- » Fire flow in the No. 2 Canyon area would increase from less than 700 gpm to more than 2,000 gpm.

Next steps: Evaluate availability of suitable properties



Regional Water Second Source

Planning the **next 50 years** of drinking water supply for Greater Wenatchee and East Wenatchee

Currently supplies approx. **75,000** people with a single source

Projected to serve over **100,000** people by **2040**

Reliability and redundancy are vital considerations

Previous analysis identified a groundwater supply in Chelan County near RI Dam

Regional Water Second Source

Regional Contractor, RH2 Engineering

- » Drilling and pump testing 10-inch well in early September
- » Sustained output was limited to 300 gpm
- » Additional evaluation is needed to understand the potential capacity of the aquifer

RH2 is completing analysis with available data

- » Analysis will inform decision whether to perform additional analysis or abandon the RI aquifer and search for an alternative site

Lake Wenatchee Wastewater

Treatment plant improvements completed earlier this year

- » Addressed deteriorating groundwater quality and aging infrastructure
- » Treatment lagoon liner was replaced
- » Monitoring and control systems were updated

Total project cost was \$1.28 million

Future work

- » Analysis and preparation of an improvement plan for the aging collection system



DISCUSSION

