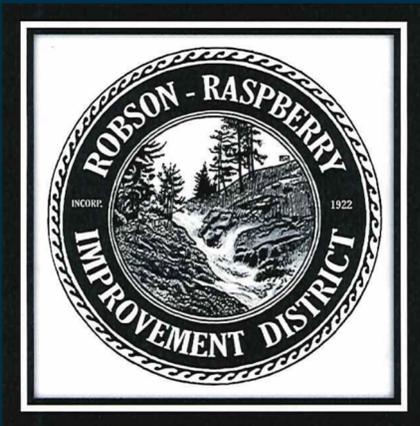


# Community Works Fund

## Water System Asset Planning Study

### Rate Payer's Summary



Robson-Raspberry  
Improvement District  
March 2026



## Rate Payer’s Summary

This study was made possible by the Community Works Fund, which required written support from the Regional District of Central Kootenay and Area J director Henny Hanegraaf.

All infrastructure has a finite lifespan, which requires renewal or replacement at some point. Asset planning helps the Robson Raspberry Improvement District’s (RRID) Board of Trustees plan for major maintenance and renewal milestones. Forecasting those projects informs major expense scheduling and in turn, water system taxes and tolls. The scope of this study was a 20 year timeline, for which high level cost estimates were developed by our consultants (Xenon Cyber Dynamics and Urban Systems) in their report. The report is bound separately. Major findings include:

- **Short-term (Years 1 to 5):** Replace majority of UF membrane trains and UV reactor skid, refurbish raw water pumps and raw water settling pond, and address associated treatment plant electrical/instrumentation/control (EIC) system corrosion. Estimated cost: up to \$1.8 million.
- **Mid-term (Years 6 to 10):** Ongoing EIC renewals, minor distribution repairs, and backwash waste system reconfiguration. Estimated cost: up to \$1.8 million.
- **Long-term (Years 11 to 20):** Full replacement of 11 km distribution mains (mostly asbestos cement), treated water reservoir, hydrants, PRVs, air valves, and major EIC components. Estimated cost: Up to \$20.9 million

Total projected 20-year renewal costs (with 2.4% inflation): Up to \$24.2 million, averaging \$1.2 million annually.

The bar graph in Figure 1 provides an asset replacement schedule by expense category.

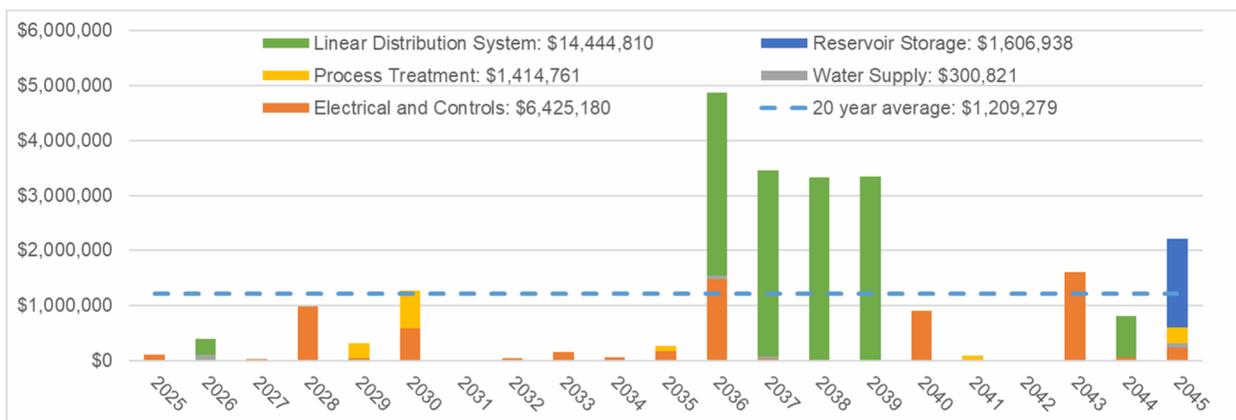
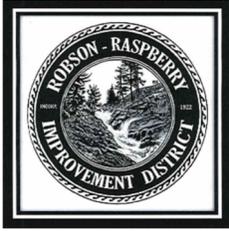


Figure 1: 20 Year Asset Replacement Schedule



The line chart in Figure 2 estimates future RRID financial position under two operating scenarios: trustee management vs. trustee plus hired management.

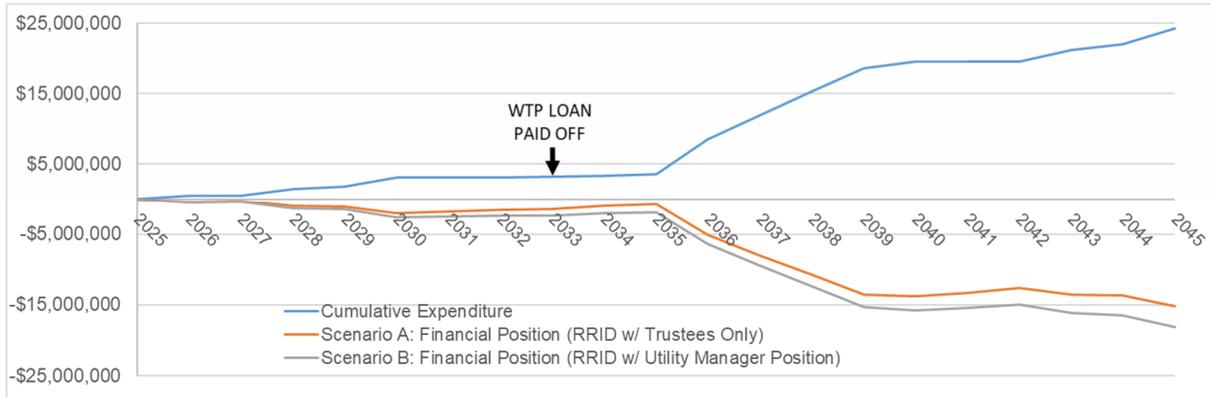


Figure 2: 20 Year Financial Position

The financial positions in Figure 2 assumed the following increases to taxes and tolls:

- 10% in year 2026
- 10% in year 2027
- 8% in year 2028
- 5% in subsequent years (placeholder value only)

The tax and toll structure listed in Figure 2 was created for illustrative purposes, and is subject to change by the Trustees serving in those future years. Detailed tax and toll forecasts require **utility master planning**, which is a larger exercise in which the current study is the first step.

For full details please refer to the report, which has been posted on our website.

<https://robsonraspberry.myruralwater.com/forms-and-reports-1>

This review of potential future costs assumes diligent and proactive renewal of water infrastructure assets according to typical (nominal) lifespans. Alternatively, assets may remain in service past their nominal lifespan, with performance becoming unpredictable. In practice, small water systems sometimes run assets to failure as funding remains a significant challenge. This means actual replacement milestone dates and final costs can vary significantly, with the present study serving as an indicative, rather than detailed, assessment of future investment requirements.

Sincerely,  
The RRID Board of Trustees