

Black Creek–Oyster Bay WLSA: Assets & Replacements

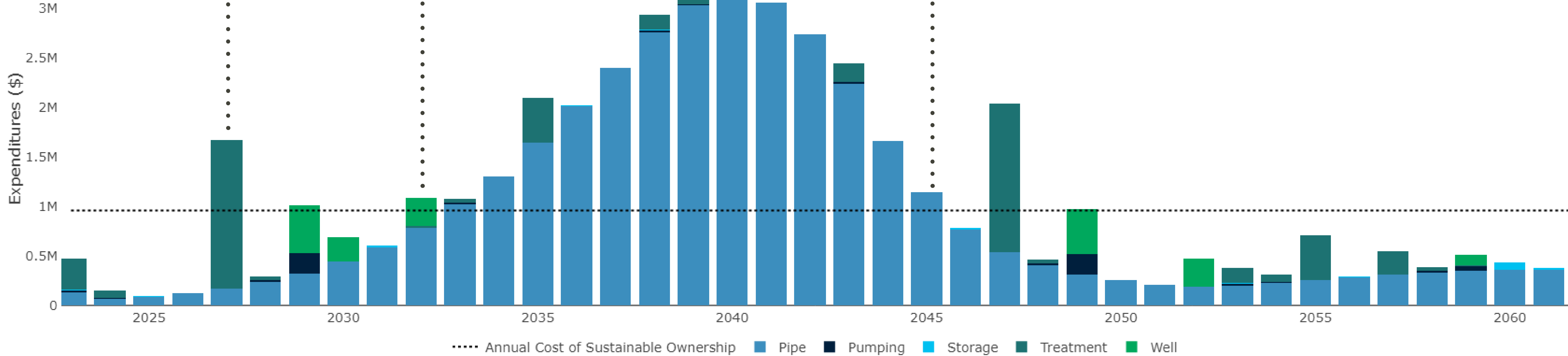
The Black Creek–Oyster Bay Local Water Service Area is unique in that it draws water from groundwater wells and a river infiltration gallery.



- The Black Creek–Oyster Bay service’s assets include**
- Reservoirs (2)
 - Booster Pump Station
 - Water Treatment Facility
 - Wells and River Infiltration Gallery (4)
 - Watermains (49 km)

New pumps and electrical upgrades required in near-term.

Watermain replacements to continue over 15-20 years.



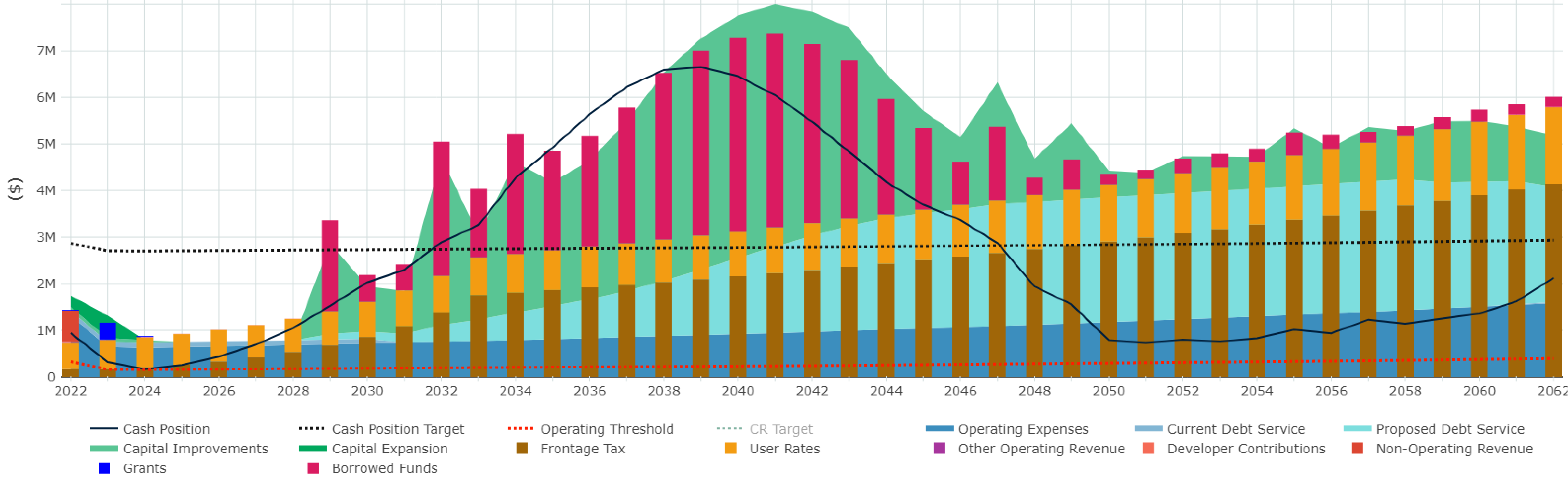
Black Creek–Oyster Bay WLSA: Planning Costs Ahead

The long-term financial model maps out the necessary operations and maintenance costs and capital costs to ensure sustainable delivery of the water service.



The long-term financial model assumes:

- A 2.5 % inflation factor on all operations and maintenance costs beyond the current five-year financial plan
- It assumes we would replace 'like-for-like' in the case of infrastructure replacements – and that any upsizing required for development would be paid for through development charges.




? Questions? Ask staff for more information.

Rate Increase Options & Impacts

The CVRD understands that any rate increase is difficult for ratepayers – and that increases to water rates might be only one of a few cost increases they’ll see in the years to come. Directors considered the cost impacts for residents, and balancing the interests for current and future users, and will review every four years.

Rate Component	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
User Rates															
	2.5% matching inflation														
Parcel Tax															
5 Year	25%	62.7%	62.7%	62.7%	62.7%	3% per year									
10 Year	25%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	3% per year			
15 Year	25%	25%	24%	24%	24%	24%	24%	24%	24%	24%	24%	8.4%	8.4%	8.4%	8.4%

.....  Selected Option

Total Costs of Water (with Inflation)

	Current	2024	2025	2026	2027	2028
Parcel Tax	\$1.24/ft	\$197	\$251	\$319	\$404	\$513
User Rate (Avg. 243 m3/yr)	\$421	\$432	\$442	\$453	\$465	\$477
TOTAL COST	\$581	\$629	\$693	\$772	\$869	\$990

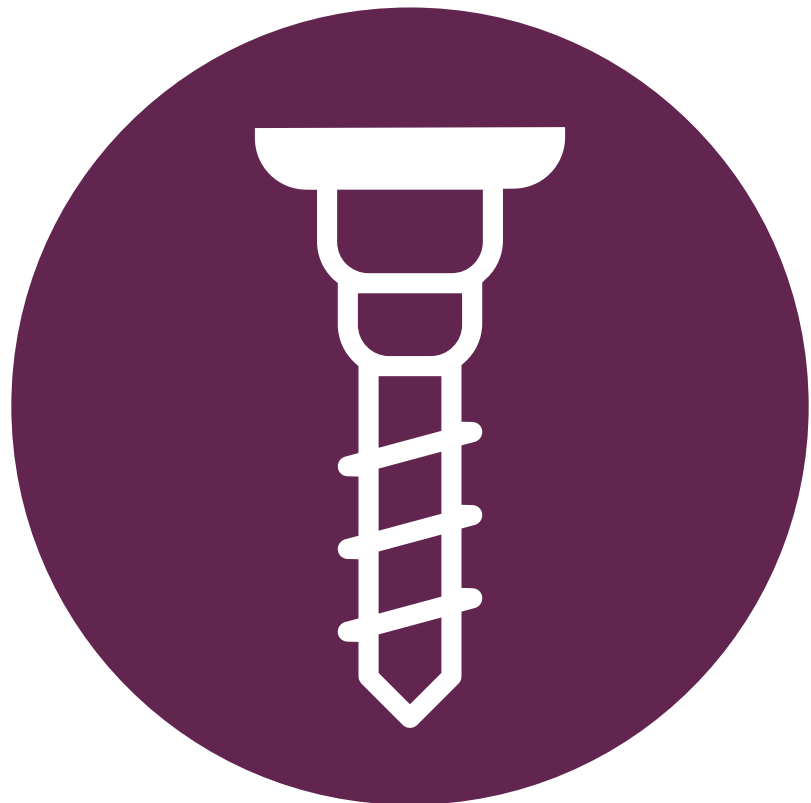
New Well Allows New Connections

In October 2023, a suspension on new water connections in the Black Creek-Oyster Bay (BCOB) Water Local Service Area was lifted. The suspension had been in place for two years, while additional work was completed to plan for and secure additional water capacity for residents.



Background

- The BCOB system has three groundwater wells in the Oyster River Nature Park, and a river infiltration gallery in the Oyster River.
- A connection suspension was implemented due to a number of factors and the CVRD began work to secure additional capacity, and construct new groundwater wells.
- In March 2021 the third groundwater well was installed to supplement water supply. Unfortunately, the capacity of the new well was significantly less than expected.



Access for New Wells

- Planning and construction of a fourth well is underway.
- A right of way for land has been secured and provides access for up to three new wells.
- Test drilling and pumping of the new well (Well No. 6) was completed at the end of 2022 and a new water license application was made in July 2023.



Looking Ahead

- The results of pump testing on the new well suggests it will sustainably produce more than expected from preliminary study work.
- A recently completed Water Master Plan for BCOB system concluded that the water supply can accommodate additional connections.
- Well No. 6 isn't expected to be completed until 2024, but due to the positive test pump results and the Water Master Plan, the suspension of connections was lifted.