



Rates & Regulatory Affairs

UW-240151

Cascadia Water LLC Proposed General Rate Case

Data Request Response

Request No.: UW-240151 PC IR 3

For each of the following assets, please provide a description of the asset and any invoices associated with the asset's construction and implementation. Please explain why the asset was necessary, and if the asset was necessary for Department of Health compliance requirements, please specify which compliance requirements the asset fulfills.

1. CAL Pumphouse (Island) – In service 12/15/2023 at cost of \$1,042,429;
2. Treatment and Res Projects (Island) [Consolidated] – 6/30/2024 at \$1,760,780;
3. Booster and Res Projects (Estates) [Consolidated] – 3/31/2024 at \$1,150,057;
4. Del Bay Project – New Mainline (Island) – 11/1/2023 at \$793,082;
5. WB Creek Crossing / Mutiny Ln Project (Island) – 7/20/2022 at \$178,655;
6. Mutiny Bay PRV (Island) – 9/30/2023 at \$134,363; and
7. R.C. Worst Well (Pelican Point) – 8/15/2023 at \$94,061.

Response:

Please see the confidential attachments for the requested invoices and other documents associated with the following assets.

1. *CAL Pumphouse (Island) – In service 12/15/2023 at cost of \$1,043,429;*

New 80,000-gallon concrete reservoir, pumphouse, booster pump improvements, and system loop for the CAL Waterworks system in Island County.

The system loop was a required improvement since the Water System Plan showed that the system could not provide peak hour demand (PHD) or fire flow (FF) & maximum

day demand (MDD) while maintaining minimum pressures. See WAC 246-290-230(5) for pressure requirements for a closed system (such as CAL).

The Booster Pump Improvements: As shown in the Water System Plan, the system could not provide Fire Flow (FF) & Maximum Daily Demand (MDD) while maintaining minimum pressure requirements (WAC) 246-290-230(6). The issue was only exacerbated when trying to comply with DOH standards of providing FF & MDD with the largest pump out of service. The system also did not supply the recommended minimum standby storage volume (See DOH Design Manual Section 7.1.1.3) for the approved number of connections (WAC 246-290-235(3)).

The reservoir was necessary because the existing octagon tank had significant leaks coming from the seams. The pumphouse was necessary because the existing pumphouse would not handle the electrical load or provide enough space for the pumps.

2. Treatment and Res Projects (Island) [Consolidated] - 6/30/2024 at \$1,760,780;

New 185,000-gallon concrete reservoir, pumphouse and treatment for the W&B Waterworks system in Island County.

The DOH has required the completion of the reservoir and treatment project in order to provide W&B Waterworks enough capacity to serve the current and committed number of ERUs.

3. Booster and Res Projects (Estates) [Consolidated] – 3/31/2024 at \$1,150,057;

New 200,000-gallon concrete reservoir and variable speed drive booster pumps installed on the Estates water system in Clallam County.

This project was required due to the issues and directive that came about due to the sanitary survey and follow-up underwater reservoir inspection due to multiple cracks and root infiltration in the existing underground reservoirs. A corrective action plan was submitted and accepted by the Department of Health Southwest Regional Engineer. Since the reservoir was being replaced it was necessary to replace booster pumps. The old pumps were bolted to the old reservoir and would have been incompatible with the new reservoir.

4. Del Bay Project – New Mainline (Island) – 11/1/2023 at \$793,082;

Approximately 1,650 linear feet of new 8", 6" and 2" water mains for the Del Bay / W&B Waterworks system consolidation.

The mains had to be replaced due to existing poor water quality on the Del Bay system as well as aging infrastructure, leaks and inaccessible main line locations.

5. WB Creek Crossing / Mutiny Ln Project (Island) – 7/20/2022 at \$178,655;

New pressure reducing valve (PRV) on Mutiny Ln on the W&B Waterworks system in Island County.

This was required due to the existing main line crossing the creek over a man-made dam. Temporary repairs made in the past were threatening the viability of the main line so we had to directional drill underneath the creek and install a PRV to keep customers within the pressure perimeters required by DOH.

6. Mutiny Bay PRV (Island) – 9/30/2023 at \$134,363

New pressure reducing valve (PRV) on Mutiny Bay Rd on the W&B Waterworks system in Island County.

This was required due to the age of the previous PRVs that were no longer operational and capable of allowing Fire Flow.