Project Overview

Metro Vancouver provides clean, safe drinking water to residents and businesses across the region through a system of reservoirs, water mains, and pump stations. Operating our vast drinking water system requires constant upgrades, improvements, repairs, and expansion.

Metro Vancouver is planning to construct a new water pump station along 128 Street at 62A Avenue in the City of Surrey (see the map on the next page for project location). The existing Newton Pump Station has reached the end of its service life and will be decommissioned following project completion. The new pump station will meet current seismic standards and will help ensure the continued delivery of clean, safe drinking water to a growing population. The City of Surrey will also be upgrading their pump station on the same site.

Project Timeline

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<th>Work by City of Surrey</th>
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<td>City of Surrey Pump Station Upgrade</td>
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Construction Activities

City of Surrey Pump Station Upgrades

City of Surrey will also be upgrading their pump station on the same site between spring 2022 and spring 2023. Though the majority of work will take place within the pump station, the project also involves the construction of a new, one-story, electrical building above the existing pump station. For any questions regarding the project, please call 604-591-4253 or email EngWebmail@surrey.ca.

Tree Removal

During phase one of this project, we will be removing approximately 40 trees and shrubs to the west of the Newton Reservoir in order to build the tunnel exit shaft. During phase two, we will be removing approximately 40 more trees along 128 Street in order to allow for the new pump station to be built. With approval from the City of Surrey, we aim to replant double the amount of trees we remove as part of Metro Vancouver’s commitment to enhancing tree canopy in urban areas. All tree removal and replanting will comply with City of Surrey bylaws. Once construction is complete, landscaping restoration will take place.

Phase One – Tunnelling

Construction on the Newton Pump Station Replacement Project will take place in two phases. Phase one will involve tunneling to connect the existing Newton Reservoir to the new Newton Pump Station. Phase one activities include:

- Excavating and constructing two 12-metre-deep shafts from which tunnelling will take place
- Using a tunnelling machine to construct a 150-metre-long tunnel, two-meters in diameter
- Installing two pipes in the tunnel that will connect the existing reservoir to the new pump station
Phase Two – Pump Station Construction

Phase two will involve the construction of the new Newton Pump Station. The pump station ensures water can be reliably and efficiently transported through the water distribution system. Phase two activities include:

- Building a new driveway off 128 Street
- Excavating a 10-metre deep pit
- Delivering concrete and materials to the site
- Constructing the pump station
- Installing a valve chamber in Newton Reservoir Park
- Restoring the site to its previous, or better, condition

Managing Noise and Vibration

Most work on the Newton Pump Station Replacement Project will take place within the Newton Reservoir Works Yard. Neighbours to the work may experience some noise and vibration impacts from the construction activities listed above. We will attempt to reduce noise impacts to nearby residents wherever possible during construction, by:

- Conducting noise and vibration monitoring
- Complying with City of Surrey bylaws and granted variances
- Installing a noise barrier around the work area during construction of the pump station

Typical Hours of Work

Hours of work may change depending on construction needs. If work outside of the typical construction hours is required, Metro Vancouver will apply for a bylaw variance with the City of Surrey. Typical hours of work are:

- Monday to Friday: 7:00 am – 7:00 pm
- Saturdays: 9:00 am – 7:00 pm
- No work on Sundays and holidays
How does water get to your home?

Metro Vancouver and its members work together to supply clean, safe drinking water to the region.

Metro Vancouver is responsible for protecting and providing the region’s water supply, including: protecting our water supply areas, storing, treating and ensuring the quality of our water, supplying water directly to our members, and planning for future supply and demand.

Our members are responsible for providing water to residents and businesses, enforcing regulations, utility billing, and where used, water metering.

Commitment to the Community

Metro Vancouver is committed to working closely with the community and the City of Surrey to ensure concerns and interests are considered as the project continues. Local residents will receive ongoing notification through newsletters, web updates, email, and on-site signage.

A community liaison has been assigned to this project who will be available to answer questions and listen to concerns throughout the project.

Stay Connected

To receive regular project updates by email, please sign up to our mailing list by visiting metrovancouver.org and searching ‘Newton Pump Station Replacement Project’.

Contact Us

Information Centre: 604-432-6200
(Monday to Friday from 8:00 am to 4:30 pm)
After Hours Emergency: 604-451-6610
Email: icentre@metrovancouver.org (Please include “Newton Pump Station Replacement Project” in the subject line)
Website: metrovancouver.org Search “Newton Pump Station Replacement Project”