

From: ["Mochrie, Paul" <Paul.Mochrie@vancouver.ca>](mailto:Paul.Mochrie@vancouver.ca)
To: ["Direct to Mayor and Council - DL"](#)
Date: 10/28/2022 4:40:36 PM
Subject: [Metro Vancouver Shutdown of Capilano #4 Water Main](#)

Dear Mayor and Council,

Please see the attached memo from Lon LaClaire. A short summary of the memo is as follows:

- Metro Vancouver is planning a two week shutdown of their Capilano #4 water main.
- The purpose of this shutdown is to facilitate relocation of a Metro Vancouver water main for the Broadway Subway Project.
- The City is working closely with Metro Vancouver to ensure Vancouver residents continue to receive good service.
- City staff do not anticipate any impact to water supply during the shutdown.

If you have any questions, please feel free to contact Lon LaClaire at 604-873-7336 or lon.laclaire@vancouver.ca.

Best,
Paul

Paul Mochrie (he/him)
City Manager
City of Vancouver
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The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the x^wməθk^wəyəm (Musqueam), Sk̓wx̓wú7mesh (Squamish), and səliłwətał (Tsleil-Waututh) Nations.

MEMORANDUM

October 28, 2022

TO: Mayor and Council

CC: Paul Mochrie, City Manager
Armin Amrolia, Deputy City Manager
Karen Levitt, Deputy City Manager
Rosemary Hagiwara, Acting City Clerk
Maria Pontikis, Chief Communications Officer, CEC
Teresa Jong, Administration Services Manager, City Manager's Office
Neil Monckton, Chief of Staff, Mayor's Office
Donnie Rosa, General Manager, Board of Parks and Recreation

FROM: Lon LaClaire
General Manager, Engineering Services

SUBJECT: Metro Vancouver Shutdown of Capilano #4 Water Main

RTS #: N/A

Metro Vancouver is planning a two week shutdown of their Capilano #4 water main, expected to begin October 31, 2022. The purpose of this shutdown is to facilitate relocation of a Metro Vancouver water main for the Broadway Subway Project. The shutdown will require the closure of Vancouver's water connection at W 5th Avenue and Cypress Street, however the City has redundant water supply points to support this change in operation. The City is working closely with Metro Vancouver to ensure Vancouver residents continue to receive good service. The October 31 targeted schedule will be subject to weather monitoring and scheduling may be deferred to align with dry weather days due to sewer system capacity required to support water main drainage. City staff have provided a detailed issues brief describing the purpose and scope of the isolation (Appendix A). City staff do not anticipate any impact to water supply during the shutdown.

Please contact me directly if you require any further information.



Lon LaClaire, M.Eng., P.Eng.
General Manager, Engineering Services

604.873.7336 | lon.laclaire@vancouver.ca

Appendix A

Capilano #4 Water Transmission Main Relocation for Broadway Subway Project

Background Information

As part of the Broadway Subway Project, a portion of Metro Vancouver's Capilano #4 transmission main will be relocated where it crosses Broadway to facilitate the safe construction of the Broadway and Arbutus subway station.

Shut down is scheduled to begin October 31st 2022 and is expected to last two weeks. Scheduling will be subject to weather monitoring and may be deferred to align with dry weather days due to sewer system capacity required to support water main drainage. The duration of shutdown will be subject to completion of the water main relocation works.

Capilano #4 water main is one of two large diameter pipes that convey water from Metro Vancouver's First Narrows crossing to the Little Mountain Reservoir located in Queen Elizabeth Park. Capilano #4 will be shutdown between W 16^h Ave at Arbutus St., and Chestnut St. at McNicoll St. During the shutdown, Vancouver's connection at W 5th and Cypress will be closed and water will be supplied to Vancouver's system through connection points.

This work is being done with close collaboration between City of Vancouver Waterworks staff and Metro Vancouver Water Services staff.

During the shut down there may be a minor amount of water turbidity or cloudiness in the City system. Cloudy water caused by this shutdown is not a health concern and usually dissipates quickly. As a precaution, City Waterworks staff will conduct additional pressure and water quality monitoring during first and final day of the shut down as the system adjusts to the flow changes.

Discharge of a large volume of chlorinated water is also required to complete the water transmission main relocation. Metro Vancouver has coordinated with City of Vancouver Sewers Design and Environmental Services to request discharge to City sewer system and has made arrangements to also discharge dechlorinated water directly to False Creek. The discharge rates will be monitored to ensure they do not overwhelm the local storm system nor impact the combined sewer system in the area. Drainage to City of Vancouver storm sewer will be prohibited during heavy rain. The discharge plan also requires temporary workspace and laydown areas on some Vancouver streets, at Vanier Park and Sunset Beach, which has been coordinated with City of Vancouver and Park Board staff.