

From: ["Mochrie, Paul" <Paul.Mochrie@vancouver.ca>](mailto:Paul.Mochrie@vancouver.ca)

To: ["Direct to Mayor and Council - DL"](#)

Date: 1/12/2022 4:58:45 PM

Subject: [MV Capilano Main #4 Shutdown](#)

Attachments: [ENG - WD - MV Capilano Main #4 Shutdown - Memo to Council.pdf](#)

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Dear Mayor and Council,

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

- Metro Vancouver will be conducting an isolation test on the Capilano Water Main No. 4 on January 18 and January 19, 2022. The isolation test is required in advance of water main relocation that will take place in fall 2022 to accommodate construction of the Arbutus Skytrain Station (part of the Broadway Subway Project).
- MV Capilano Water Main #4 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.
- Working with City of Vancouver Waterworks staff, Metro Vancouver has completed similar larger scale shut downs over the past several years and staff do not foresee any major issues with CoV water supply or distribution due to system redundancy. City staff will be monitoring City water system performance during each shut down and available to respond as required.

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

Best  
Paul

**Paul Mochrie** (he/him)  
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The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the x<sup>w</sup>məθk<sup>w</sup>əyəm (Musqueam), Skwxwú7mesh (Squamish), and səlilwətaʔ (Tsleil-Waututh) Nations.

## MEMORANDUM

January 12, 2022

TO: Mayor and Council

CC: Paul Mochrie, City Manager  
Armin Amrolia, Deputy City Manager  
Karen Levitt, Deputy City Manager  
Katrina Leckovic, City Clerk  
Lynda Graves, Administration Services Manager, City Manager's Office  
Maria Pontikis, Chief Communications Officer, CEC  
Anita Zaenker, Chief of Staff, Mayor's Office  
Neil Monckton, Chief of Staff, Mayor's Office  
Alvin Singh, Communications Director, Mayor's Office  
Mark Schwark, Director, Water & Utilities Management

FROM: Lon LaClaire  
General Manager, Engineering Services

SUBJECT: Metro Vancouver Shutdown of Capilano Water Main #4

RTS #: N/A

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Metro Vancouver is planning a 24-48 hour test isolation of their Capilano Water Main #4 on January 18-19, 2022. The purpose of the shutdown is to test and maintain Metro's large water valves in support of a future water main relocation for the Broadway Subway Project. The shutdown will require the closure of a major Vancouver water connection at W 5<sup>th</sup> Ave. and Cypress St., however the City has redundant water connection points that will continue to provide adequate water supply. The City is working closely with Metro Vancouver during this time to ensure Vancouver residents continue to receive water supply and service. City staff have provided a detailed issues brief describing the purpose of the isolation test (Appendix A). City staff do not expect any impact to water supply during the test.

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](mailto:lon.laclaire@vancouver.ca)

## Capilano Main #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 Main # 4 transmission main must be relocated where it crosses Broadway, to facilitate the safe construction of the Broadway and Arbutus subway station.
- A 24-48 hour test shutdown will be conducted in January 2022, to test and maintain large valves on either side of Broadway. This maintenance work is being done in close collaboration with City of Vancouver Waterworks staff and Metro Vancouver Waterworks staff. A second longer shutdown will occur in October 2022 for the relocation of a section of watermain pipe that crosses Broadway at the Arbutus Station location.
- Capilano Main #4 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 Main #4 will be shut down between W 16th Ave. at Arbutus St., and Chestnut St at McNicoll St. During the shutdown Vancouver's W 5th and Cypress Pressure Reducing Valve (PRV) station will also be taken offline and water will be supplied through alternate PRV stations.
- While the W 5th Ave. and Cypress St. PRV station is offline there may be a minor amount of system turbidity or cloudiness stirred up as water changes directions in the system. Cloudy water caused by this shutdown is not a health concern and usually dissipates quickly. As a precaution City Waterworks staff will be in the neighbourhood to respond to any persistent cloudy water. 311 Customer Service agents have updated scripts to support any calls about cloudy water from the public.

