ITEM # 5.3

HRWC Board

March 26, 2020

TO: Craig MacMullin, MBA, CPA, CGA, Chair, and Members of the Halifax Regional Water Commission Board

SUBMITTED BY: Jamie Hannam

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Date: 2020.03.20 12:43:46 -03'00'

Jamie Hannam, P. Eng.
Director, Engineering & Information Services

APPROVED: Cathie O'Toole

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Date: 2020.03.20 10:46:10 -03'00'

Cathie O'Toole, MBA, FCPA, FCGA, ICD.D, General Manager

DATE: March 3, 2020

SUBJECT: **Hemlock Reservoir Construction**

ORIGIN

The 2020/21 Capital Budget.

RECOMMENDATIONS

The Halifax Water Board approve funding in the amount of $8,160,000 for the construction phase of the Hemlock Water Reservoir on Masthead Court in Halifax for a total project cost of $8,410,000.

BACKGROUND

Previous water infrastructure master plans identified the need for a water storage reservoir to service parts of Bedford including the Bedford West, Bedford South and Birch Cove North (Royale Hemlocks) development areas.

The NSUARB approved Capital Cost Contribution (CCC) charges for the Bedford South Water Service District in 1998 (NSUARB-W-HFXR-R-96) and Bedford West Master Plan Area and Birch Cove North in 2012 (Decision M04818). The construction of this reservoir to service these areas was included in these three CCC charges.

The Hemlock Reservoir is to be located on a prepared rock pad located adjacent to the existing Hemlock Control site on Masthead Court in the Royal Hemlocks development.

Timing for construction of the reservoir was contingent on the construction of water system network on Starboard Drive and significant completion of the overall development activity within these areas. These requirements have been met and the reservoir is required now for effective water system operation.

CBCL was retained with approved funds from the 2018/19 capital budget and have completed the detailed design. The project was publicly tendered on January 20, 2020 and closed on February 27, 2020. Subject to approved funding, the reservoir construction is anticipated to start in spring 2020 and be substantially complete in spring 2021.

The estimated total project cost, based on the tender results is $8,410,000. (Project cost estimate attached). With the previous design phase funding of $250,000, the required funding for the construction phase is $8,160,000.

BUDGET IMPLICATIONS

Funding in the amount of $8,160,000 is available within the 2020/21 Capital Budget under *Water – Structures - Bedford South (Hemlock) Reservoir CCC.*

The proposed expenditure meets the "No Regrets – Unavoidable Needs" approach of the 2012 Integrated Resource Plan. The proposed work meets the NR-UN criteria of Ensures integrity and safety.

ATTACHMENTS

1) Hemlock Reservoir Project Cost Estimate

Report Prepared by: *Original Signed by:*

Tom Gorman, P. Eng., Manager Water Infrastructure Engineering & IS Department, (902) 490-4176

Financial Review by: Digitally signed by Louis de Montbrun Date: 2020.03.20 11:54:31 -03'00'

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