



REPORT

REPORT TO: Chair and Members of the Planning, Public Works and Transportation Committee

REPORT FROM: Michelle Mathies, Project Manager, Municipal Infrastructure

DATE: June 7, 2019

REPORT NO.: TPW-2019-0021

RE: Pre-approval for the Award of Tender T-052-19 for the Acton Total Phosphorus Offset Program

RECOMMENDATION:

THAT Report No. TPW-2019-0021, dated June 25, 2019, regarding Pre-approval for the Award of Tender T-052-19 for the Acton Total Phosphorus Offset Program, be received;

AND FURTHER THAT Council authorizes the award of the Tender to the lowest acceptable bidder meeting all specifications, provided that the Tender amount is at or below the amount of the Purchase Order received from Halton Region for the works;

AND FURTHER THAT Council authorizes the Mayor and Clerk to execute the necessary Contract Documents for this project.

BACKGROUND:

In 2006, Halton Region completed the Class Environmental Assessment (EA) for the Acton Wastewater Treatment Plant expansion. The Acton Wastewater Treatment Plant (WWTP) discharges to Black Creek. Black Creek is a Policy 2 receiver for Total Phosphorus, and as per the Provincial Water Quality Objective, Total Phosphorus concentrations in Black Creek downstream of the WWTP cannot exceed 0.03mg/L.

In 2016, Halton Region completed a Total Phosphorous Offset Strategy that identified measures to offset the Total Phosphorus loadings that would result from the expansion of the WWTP. The Offset Strategy completed by Cole Engineering recommended that a combination of Oil Grit Separators (OGS) and Jellyfish filters be installed in several stormwater drainage areas in Acton upstream of the WWTP. Phosphorous offsets are required to allow for the utilization of the full treatment capacity of the upgraded WWTP in order to support future development in Acton.

The Ministry of Environment, Conservation and Parks issued an Environmental Compliance Approval (ECA) in May, 2017. The ECA refers to the fourteen (14) locations recommended by Cole Engineering for the program. It also outlines the requirement to monitor the units to confirm the Total Phosphorus reduction is achieved.

COMMENTS:

Halton Region and the Town of Halton Hills are jointly undertaking the Acton Total Phosphorus Offset Strategy. In November, 2017 a letter of consent to Proceed with the Implementation of Project PR2968 Total Phosphorus Offset Program in the Town of Halton Hills was received (refer to Attachment 1).

This multi-phase program will involve the installation of OGS and Jellyfish Filter Stormwater Quality Units in several stormwater drainage areas in Acton. The program is to commence in 2019 and be completed by 2027, as per the ECA (refer to Attachment 2). The first phase of the program will include an OGS unit to be installed in Bovis Park, adjacent to the Bovis channel, and a Jellyfish Unit to be installed at the intersection of Acton Boulevard and Division Street within the roadway.

The tendering and award of the project will be led by the Town of Halton Hills, in accordance with our procurement process. One OGS and one Jellyfish filter will be installed in this phase. The tender is expected to be advertised in August, 2019 with the first phase of construction scheduled for September and be completed by November, 2019, subject to receiving all environmental approvals.

Monitoring and verification of the Total Phosphorus removal for each unit will be completed by Credit Valley Conservation Authority over an 18-month period (refer to Attachment 3).

Additional phases of the Program will be developed upon completion of the Monitoring and Verification Program.

RELATIONSHIP TO STRATEGIC PLAN:

The recommendations of this Report directly support the following Strategic Directions, Goals and Objectives of the Town of Halton Hills Strategic Plan:

G – Provide Sustainable Infrastructure and Services.

G.1 To provide infrastructure and services that meets the needs of our community in an efficient, effective and environmentally sustainable manner.

FINANCIAL IMPACT:

A detailed letter of consent was issued by Halton Region and accepted by the Town of Halton Hills. This letter outlines roles and responsibilities of both Halton Region and the Town of Halton Hills. Halton Region will issue a Purchase Order to the Town of Halton

Hills to compensate for costs associated with the construction phase, including consulting and internal costs. In addition to these costs, Halton Region will make a one-time sustainable maintenance payment of \$77,000.00, following the installation of each unit.

All works supplied and installed under this project shall become the property of the Town of Halton Hills.

CONSULTATION:

The Manager of Purchasing is in agreement with this recommendation.

The Manager of Accounting and Town Treasurer is in agreement with this recommendation.

Halton Region is in agreement with this project.

Credit Valley Conservation Authority is in agreement with this project.

PUBLIC ENGAGEMENT:

Through the Municipal Class EA Acton Wastewater Treatment Plant expansion conducted by Halton Region in 2006, public agencies, stakeholders and aboriginal groups were consulted. Public Information Centres were held on June 26, 2007 and November 16, 2010. All agencies, stakeholders and members of the public were mailed all study notifications.

SUSTAINABILITY IMPLICATIONS:

The Town is committed to implementing our Community Sustainability Strategy, Imagine Halton Hills. Doing so will lead to a higher quality of life. The relationship between this report and the Strategy is summarized below:

The recommendation outlined in this report advances the Strategy's implementation.

The Acton Total Phosphorus Offset Program supports two pillars of sustainability by providing economic prosperity through infrastructure renewal and provides social well-being by providing relievable water resources. The alignment of this Report with the Community Sustainability Strategy is good.

COMMUNICATIONS:

Town staff will work closely with the successful Contractor to ensure the work is carried out in accordance with the contract documents and with as little disruption to the local community and public traffic, as possible. Signage will be installed at the sites to inform the public of the Credit Valley Conservation Authority Monitoring and Verification Program.

CONCLUSION:

Staff recommends Council pre-approve the Award of Tender T-052-19 for the Acton Total Phosphorus Offset Program upon receipt of a Purchase Order from Halton Region for the works.

Reviewed and Approved by,

A handwritten signature in black ink, appearing to read "C. Mills". The signature is stylized with a large, sweeping initial "C" and a horizontal line extending to the right.

Chris Mills, Commissioner of Transportation and Public Works

A handwritten signature in black ink, appearing to read "Brent Marshall". The signature is written in a cursive style with a large, prominent "B" and "M".

Brent Marshall, Chief Administrative Officer