

## Report to Council

<b>Report Title:</b>	Walkerton UV Disinfection System Feasibility Study		
<b>Prepared By:</b>	Sonya Watson, Chief Administrative Officer		
<b>Department:</b>	Operations		
<b>Date:</b>	January 22, 2019		
<b>Report Number:</b>	UT2019-02	<b>File Number:</b>	C11UT
<b>Attachments:</b>	BM Ross Feasibility Study Report Number UT2018-03 – Green Municipal Fund Grant Agreement Walkerton Wastewater Treatment Plant By-Law 2018-030 – Green Municipal Fund Grant Agreement (WWTP) By-Law		

### **Recommendation:**

That the Council of the Municipality of Brockton hereby approves Report Number UT2019-02 Walkerton UV Disinfection System Feasibility Study prepared by Sonya Watson, Chief Administrative Officer and further approves the final feasibility study prepared by BM Ross as presented.

### **Report:**

#### **Background:**

Federal legislation requires that all effluent from the Walkerton Water Pollution Control Plan (the “WWPCP”) be free from chlorine residue by 2021. B.M. Ross and Associates Limited was retained to determine the feasibility of converting the existing chlorine contact tank to a UV (ultraviolet) Disinfection System to ensure compliance with the federal legislation (the “Feasibility Study”).

The Municipality of Brockton entered into an Agreement with the Green Municipal Fund for a grant for \$17,900.00, to be received when the Feasibility Study was completed. The total cost for the Feasibility Study was anticipated to be \$33,600.00. The Municipality of Brockton has paid \$16,911.00 to BM Ross to date for the Feasibility Study and staff will now be submitting the documents required to receive the grant funds. The Green Municipal Fund will pay the grant described above to the Municipality of Brockton once the Feasibility Study (as attached) has been approved by Council.

#### **Analysis:**

BM Ross’s report outlining the results of the Feasibility Study has been attached and indicates that the preferred option for reducing the chlorine and complying with the federal legislation is to replace the existing chlorine contact tanks with a UV disinfection system.

Engineering for this project will be included in the 2019 budget to ensure compliance by 2020.

### **Sustainability Checklist:**

What aspect of the Brockton Sustainable Strategic Plan does the content/recommendations in this report help advance?

- Do the recommendations help move the Municipality closer to its Vision? N/A
- Do the recommendations contribute to achieving Cultural Vibrancy? N/A
- Do the recommendations contribute to achieving Economic Prosperity? N/A
- Do the recommendations contribute to Environmental Integrity? N/A
- Do the recommendations contribute to the Social Equity? N/A

### **Financial Impacts/Source of Funding:**

- Do the recommendations represent a sound financial investment from a sustainability perspective? Yes

The Feasibility Study must be approved before the Green Municipal Fund will provide the grant funds to the Municipality of Brockton.

#### **Reviewed By:**



**Trish Serratore, Chief Financial Officer**

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#### **Respectfully Submitted by:**



Fiona Hamilton, Clerk

#### **Reviewed By:**



**Sonya Watson, Chief Administrative Officer**