

APPENDIX 'A'

Chair and Members
Civic Works Committee

#16188
November 18, 2016
(Appoint Consulting Engineers)

RE: Clean Water and Wastewater Fund Projects

- (i) GHD Canada - \$900,000 (excluding H.S.T.) Waste Heat Recov. Systems Greenway WWTP (Subledger FS16GW07)
Capital Project ES5234 - Adelaide WWTP CSO
- (ii) CH2M Canada - \$300,000 (excluding H.S.T.) East London Sanitary Servicing Study (Subledger NT16ES12)
Capital Project ES6074 - Pottersburg WWTP CSO and Inlet Works Upgrade
- (iii) AECOM Canada - \$310,000 (excluding H.S.T.) Vauxhall WWTP - Wastewater Effluent (Subledger FS16VX01)
Capital Project ES3098 - Greenway WWTP Flood Proofing and Effluent PS
- (iv) Dillon Consulting - \$310,000 (excluding H.S.T.) Vauxhall WWTP - Plant Floodwall (Subledger FS16VX02)
Capital Project ES3094 - Greenway Section 1 Aeration Refurbishing
- (v) Stantec Consulting Ltd. - \$215,204 (excluding H.S.T.) Various P.S. Electrical Upgrades (Subledger FS160002)
Capital Project ES515016 - Pumping Station Improvements
- (vi) Eramosa Engineering Ltd. - \$477,000 (excluding H.S.T.) SCADA Software (Subledger FS160003)
Capital Project ES515016 - Pumping Station Improvements
Capital Project ES5084-14 - 2014 Replace Equipment WWTP
Capital Project ES508416 - Replacement Equipment WWTP

FINANCE & CORPORATE SERVICES REPORT ON THE SOURCE OF FINANCING:

Finance & Corporate Services confirms that the cost of this project can be accommodated within the financing available for it in the Capital Works Budget and that, subject to the adoption of the recommendations of the Managing Director, Environmental & Engineering Services and City Engineer, the detailed source of financing for this project is:

ESTIMATED EXPENDITURES	Approved Budget	Committed to Date	This Submission	Balance for Future Work
ES5234-Adelaide WWTP CSO				
Engineering	\$935,988	\$20,148	\$915,840	\$0
Construction	962,512			962,512
	<u>1,898,500</u>	<u>20,148</u>	<u>915,840</u>	<u>962,512</u>
ES6074-Pottersburg WWTP CSO and Inlet Works Upgrade				
Engineering	367,630	62,350	305,280	0
Land Purchase	309,402	309,402		0
Construction	2,121,468	26,472		2,094,996
	<u>2,798,500</u>	<u>398,224</u>	<u>305,280</u>	<u>2,094,996</u>
ES3098-Greenway WWTP Flood Proof & Effluent PS				
Engineering	400,000		315,456	84,544
City Related Expenses	50,000			50,000
	<u>450,000</u>	<u>0</u>	<u>315,456</u>	<u>134,544</u>
ES3094-Greenway Section 1 Aeration Refurb.				
Engineering	493,639	173,742	315,456	4,441
Construction	6,361	6,361		0
	<u>500,000</u>	<u>180,103</u>	<u>315,456</u>	<u>4,441</u>
ES515016-Pumping Station Improvements				
Engineering	420,000		420,000	0
ES5084-14-2014 Replace Equipment WWTP				
Engineering	601,146	447,996	153,150	0
Construction	280,050	280,050		0
City Related Expenses	9,287	9,287		0
Vehicle & Equipment	479,528	479,528		0
	<u>1,370,011</u>	<u>1,216,861</u>	<u>153,150</u>	<u>0</u>
ES508416-Repl. Equipment WWTP				
Engineering	331,111	195,239	131,237	4,635
City Related Expenses	10,753	10,753		0
Vehicle & Equipment	544,068	542,234		1,834
	<u>885,932</u>	<u>748,226</u>	<u>131,237</u>	<u>6,469</u>
NET ESTIMATED EXPENDITURES	<u>\$8,322,943</u>	<u>\$2,563,562</u>	<u>\$2,556,419</u> 1)	<u>\$3,202,962</u>
SOURCE OF FINANCING:				
ES5234-Adelaide WWTP CSO				
Debenture Quota	4) \$1,000,000		\$37,488	\$962,512
Drawdown from Sewage Works Reserve Fund	898,500	20,148	878,352	0
	<u>1,898,500</u>	<u>20,148</u>	<u>915,840</u>	<u>962,512</u>
ES6074-Pottersburg WWTP CSO and Inlet Works Upgrade				
Drawdown from Sewage Works Reserve Fund	2,798,500	398,224	305,280	2,094,996
ES3098-Greenway WWTP Flood Proof & Effluent PS				
Drawdown from Sewage Works Reserve Fund	450,000		315,456	134,544
ES3094-Greenway Section 1 Aeration Refurb.				
Drawdown from Sewage Works Reserve Fund	500,000	180,103	315,456	4,441
ES515016-Pumping Station Improvements				
Capital Sewer Rates	420,000		420,000	0

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- (ii) CH2M Canada - \$300,000 (excluding H.S.T.) East London Sanitary Servicing Study (Subledger NT16ES12)
Capital Project ES6074 - Pottersburg WWTP CSO and Inlet Works Upgrade
- (iii) AECOM Canada - \$310,000 (excluding H.S.T.)Vauxhall WWTP - Wastewater Effluent (Subledger FS16VX01)
Capital Project ES3098 - Greenway WWTP Flood Proofing and Effluent PS
- (iv) Dillon Consulting - \$310,000 (excluding H.S.T.)Vauxhall WWTP - Plant Floodwall (Subledger FS16VX02)
Capital Project ES3094 - Greenway Section 1 Aeration Refurbishing
- (v) Stantec Consulting Ltd. - \$215,204 (excluding H.S.T.) Various P.S. Electrical Upgrades(Subledger FS160002)
Capital Project ES515016 - Pumping Station Improvements
- (vi) Eramosa Engineering Ltd. - \$477,000 (excluding H.S.T.) SCADA Software (Subledger FS160003)
Capital Project ES515016 - Pumping Station Improvements
Capital Project ES5084-14 - 2014 Replace Equipment WWTP
Capital Project ES508416 - Replacement Equipment WWTP

ES5084-14-2014 Replace Equipment WWTP

Capital Sewer Rates	1,370,011	1,216,861	153,150	0
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ES508416-Repl. Equipment WWTP

Capital Sewer Rates	885,932	748,226	131,237	6,469
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TOTAL FINANCING

\$8,322,943	\$2,563,562	\$2,556,419	\$3,202,962
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FINANCIAL NOTE:

	ES5234	ES6074	ES3098	ES3094
1) Contract Price	\$900,000	\$300,000	\$310,000	\$310,000
Add: HST @13%	117,000	39,000	40,300	40,300
Total Contract Price Including Taxes	1,017,000	339,000	350,300	350,300
Less: HST Rebate	101,160	33,720	34,844	34,844
Net Contract Price	<u>\$915,840</u>	<u>\$305,280</u>	<u>\$315,456</u>	<u>\$315,456</u>

FINANCIAL NOTE...continued

	ES515016	ES5084-14	ES508416	TOTAL
Contract Price	\$412,735	\$150,501	\$128,968	\$2,512,204
Add: HST @13%	53,656	19,565	16,765	326,586
Total Contract Price Including Taxes	466,391	170,066	145,733	2,838,790
Less: HST Rebate	46,391	16,916	14,496	282,371
Net Contract Price	<u>\$420,000</u>	<u>\$153,150</u>	<u>\$131,237</u>	<u>\$2,556,419</u>

2) **FINANCIAL NOTE: (excluding H.S.T)**

Listed by Engineer and Contract Number

	ES5234	ES6074	ES3098	ES3094
(i) GHD Canada - Waste Heat Recovery Systems	\$900,000			
(ii) CH2M Canada - East London San. Serv. Study		300,000		
(iii) AECOM Canada - Vauxhall WWTP Wastewater Effluent			310,000	
(iv) Dillon Consulting - Vauxhall WWTP Plant Floodwall				310,000
TOTAL PER CAPITAL PROJECT (excluding H.S.T.)	<u>\$900,000</u>	<u>\$300,000</u>	<u>\$310,000</u>	<u>\$310,000</u>

FINANCIAL NOTE: (excluding H.S.T)

Listed by Engineer and Contract Number

	ES515016	ES5084-14	ES508416
(v) Stantec Consulting Ltd. - Various PS Electrical Upg.	215,204		
(vi) Eramosa Engineering Ltd. - SCADA Software Upg.	197,531	150,501	128,968
TOTAL PER CAPITAL PROJECT (excluding H.S.T.)	<u>\$412,735</u>	<u>\$150,501</u>	<u>\$128,968</u>

FINANCIAL NOTE: continued

Listed by Engineer and Contract Number

	Excl. HST	Incl. HST
(i) GHD Canada - Waste Heat Recovery Systems	\$900,000	\$915,840
(ii) CH2M Canada - East London San. Serv. Study	300,000	305,280
(iii) AECOM Canada - Vauxhall WWTP Wastewater Effluent	310,000	315,456
(iv) Dillon Consulting - Vauxhall WWTP Plant Floodwall	310,000	315,456
(v) Stantec Consulting Ltd. - Various PS Electrical Upg.	215,204	218,992
(vi) Eramosa Engineering Ltd. - SCADA Software Upg.	477,000	485,395
TOTAL PER CAPITAL PROJECT (excluding H.S.T.)	<u>\$2,512,204</u>	<u>\$2,556,419</u>

3) The projects noted above are being temporarily used to finance the design and contract administration services in this report. Financing and acceleration strategies for anticipated CWWF projects are under development and will be subject of future reports.

4) **NOTE TO CITY CLERK:**

Administration hereby certifies that the estimated amounts payable in respect of this project does not exceed the annual financial debt and obligation limit for the Municipality of Municipal Affairs in accordance with the provisions of Ontario Regulation 403/02 made under the Municipal Act, and accordingly the City Clerk is hereby requested to prepare and introduce the necessary authorizing by-laws.

An authorizing by-law should be drafted to secure debenture financing for project ES5234 - Adelaide WWTP CSO for the net amount to be debentured of \$1,000,000.

Alan Dunbar
Manager of Financial Planning & Policy