

Report to Civic Works Committee

To: Chair and Members
Civic Works Committee

From: Kelly Scherr, P.Eng., MBA, FEC
Managing Director, Environmental & Engineering Services
and City Engineer

Subject: Proposed Expansion of the W12A Landfill Site – Updated
Environmental Assessment Engineering Consulting Costs

Date: March 30, 2021

Recommendation

That, on the recommendation of the Managing Director, Environmental and Engineering Services & City Engineer, the following actions be taken with respect to the Environmental Assessment (EA) for the Expansion of the W12A Landfill:

- a) Golder Associates Ltd. **BE APPOINTED** to carry out additional technical analyses and engagement with stakeholders including addressing technical questions from the Government Review Team as part of the Individual Environmental Assessment process for the proposed expansion of the W12A Landfill, in the total amount of \$189,085 including a contingency of \$50,000 and excluding HST, in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy;
- b) AECOM Canada Ltd. **BE APPOINTED** carry out additional technical analysis and engagement with stakeholders including addressing technical questions from the Government Review Team as part of the Individual Environmental Assessment process for the proposed expansion of the W12A Landfill, in the total amount of \$17,769 including a contingency of \$4,000 and excluding HST, in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy;
- c) the financing for the work identified in (a), above, **BE APPROVED** in accordance with the "Sources of Financing Report" attached hereto as Appendix "A";
- d) Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with these purchases; and
- e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

Executive Summary

This report seeks approval from Committee and Council to retain Golder Associates Ltd. and AECOM Canada Ltd. to carry out additional technical analyses and engagement with stakeholders including addressing technical questions and comments from the Government Review Team.

The environmental assessment) for the proposed expansion of the W12A Landfill is an Individual Environmental Assessment (EA). This is the most rigorous type of EA and is less prescribed than the more common class EAs. Consequently, the amount and types of questions and the level of effort to address them is highly variable from EA to EA.

It is proposed to increase the budget of Golder Associates Ltd. and AECOM Canada Ltd. to ensure sufficient funds are available to address any and all comments received during the review of the draft EASR and prevent delays in the approval of the EA. Use of these review budgets will be agreed to by the City once review comments have been received.

The additional budgets being requested are available within the approved budget for this project.

Linkage to the Corporate Strategic Plan

Municipal Council continues to recognize the importance of solid waste management and the need for a more sustainable and resilient city in the development of its 2019-2023 Strategic Plan for the City of London. Specifically, London's efforts in solid waste management address the three following areas of focus:

- Building a Sustainable City
- Growing our Economy
- Leading in Public Service

On April 23, 2019, the following was approved by Municipal Council with respect to climate change:

Therefore, a climate emergency be declared by the City of London for the purposes of naming, framing, and deepening our commitment to protecting our economy, our eco systems, and our community from climate change.

Both the Resource Recovery Strategy and Waste Disposal Strategy (including the EA) address various aspects of climate change mitigation and climate change adaptation. These elements are also a requirement that must be addressed as part of EA documentation.

Analysis

1.0 Background Information

In 2015, Council directed staff to develop a long-term residual waste disposal plan. Part of the plan includes the EA for the expansion of the W12A Landfill. The W12A Landfill is expected to reach capacity in 2024.

Work on developing a Terms of Reference (ToR) for the EA began in 2017. The ToR becomes the framework (work plan) for completing the EA. The ToR was approved is approved by the Minister of the Environment, Conservation and Parks on July 30, 2019.

Work on the EA began in August 2019 and resulted in the selection of a vertical expansion over the existing waste footprint which has many advantages over other expansion alternatives. Numerous technical studies, reviews and discussions were undertaken to come to this conclusion.

1.1 Previous Reports Related to this Matter

Relevant reports that can be found at www.london.ca under City Hall (Meetings – Council and Standing Committees) include:

- Proposed Expansion of the W12A Landfill Site – Updated Environmental Assessment Engineering Consulting Costs (September 22, 2020 meeting of the Civic Works Committee (CWC), Item #2.2)
- Proposed Expansion of the W12A Landfill Site: Updated Environmental Assessment Engineering Consulting Costs (September 22, 2020 meeting of the CWC, Item #2.12)
- Proposed Expansion of the W12A Landfill Site: Updated Environmental Assessment Engineering Consulting Costs (October 22, 2019 meeting of the CWC, Item #2.12)
- Appointment of Consulting Engineer for Various Technical Studies as part of the Environmental Assessment Process for the Proposed Expansion of the W12A Landfill Site (July 17, 2017 meeting of the CWC, Item #6)
- Update and Next Steps – Resource Recovery Strategy and Residual Waste Disposal Strategy as Part of the Environmental Assessment Process (February 7, 2017 meeting of the CWC, Item #10)
- Appointment of Consulting Engineer Long Term Solid Waste Resource Recovery and Disposal Plans (May 24, 2016 meeting of the CWC, Item #10)

2.0 Discussion and Considerations

All technical work on the EA for the proposed expansion of the W12A Landfill has been completed and the draft Environmental Assessment Study Report (EASR) prepared. The EASR describes all aspects of the EA. In addition to the main report there are more than 15 supporting technical documents.

An opportunity to provide comments on the draft EASR report and supporting technical documents will be provided the Government Review Team (GRT), Indigenous Communities, nearby residents and other stakeholders.

It is expected most of the comments and questions will come from GRT which consists of over 45 staff across 28 federal, provincial and local agencies. An individual EA is the most rigorous type of EA and is less prescribed than the more common class EAs. Consequently, the amount and types of questions and the level of effort to address them is highly variable from EA to EA. In some cases, the GRT team has requested additional technical work (e.g., additional modelling) be undertaken to address their concerns.

It is proposed to increase the budget of Golder Associates Ltd. and AECOM Canada Ltd. to ensure sufficient funds are available to address any and all comments received during the review of the draft EASR and prevent delays in the approval of the EA.

Golder Associates Ltd. completed the majority of the technical studies for the EA including atmosphere (includes noise and air quality), groundwater and archeology. There is potential for the GRT to ask for more modelling for noise, air quality (odours) and groundwater given additional mitigation measures were recommended in the EASR to prevent off-site impacts for each of these components. The finding of a significant historical First Nations site within the buffer area of the landfill may result in more than typical work to respond to questions about archeology. Golder also prepared the draft EASR and will have to revise the document to accommodate any changes resulting from the questions/comments of the review of the draft EASR.

Staff have reviewed the fee submission from Golder Associates Ltd., in detail, and specifically considered the various activities, time allotted to each project task and related hourly rates provided. The tasks will be completed on an as needed basis. In accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending Golder Associates Ltd. be authorized to carry out additional work on the EA for the expansion of the W12A Landfill for a fee estimate of \$189,085 (excluding HST). The fee includes a contingency of \$50,000. This contingency is larger than normal projects due to the uncertainty of what will be requested by the GRT. Use of this review budget, including any use of the contingency funds, will be agreed to by the City once review comments have been received.

AECOM Canada Ltd. completed the biology assessment for the EA. Their assessment confirmed significant wildlife habitat for Monarch Butterfly and species at risk habitat for grassland birds (i.e., Eastern Meadowlark and Bobolink) on the existing completed areas of the landfill. It is expected these findings will result in more than usual work to respond to questions about biology.

Staff have reviewed the fee submission from AECOM Canada Ltd. in detail and specifically considered the various activities, time allotted to each project task and related hourly rates provided. The tasks will be completed on an as needed basis. In accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending AECOM Canada Ltd. be authorized to carry out additional work on the EA for the expansion of the W12A Landfill for a fee estimate of \$17,769 (excluding HST). The fee includes a contingency of \$4,000. This contingency is larger than normal projects due to the uncertainty of what will be requested by the GRT. Use of this review budget, including any use of the contingency funds, will be agreed to by the City once review comments have been received.

3.0 Financial Impact

The budget and expenditures for long term waste management planning, Capital Account SW6051, is summarized in Tables 1 and 2 (up to March 4, 2021). The current amount spent on the EA and the committed expenditures to date is \$1,797,000 or approximately 75% of the total EA budget (\$1,797,000 / \$2,398,000). The additional amount being requested, \$207,000 (Table 2), will raise the amount to 84% of the total approved budget.

Table 1: Budget for Proposed W12A Landfill Expansion and Resource Recovery

Item	Budget (a)	Comment
<i>Budget Breakdown</i>		
EA for Long Term Residual Waste Disposal (Landfill Expansion)	\$2,398,000	All costs associated with the EA approval of the expansion of the W12A Landfill.
Resource Recovery Initiatives & Strategy	\$410,000	Preliminary planning and/or pilot projects for the development of resource recovery area east of the W12A Landfill.
Total	\$2,808,000	

Table 2: Status of Proposed W12A Landfill Expansion and Resource Recovery Budget

Item	Budget (a)	Comment
EA - Spent to date	\$1,576,000	Cost to develop and obtain approval of ToR and completion of EA up to preparation of Draft EASR.
EA - Committed (consulting)	\$221,000	Includes work completed but not yet billed and future fees finalizing EASR.
EA – New Consulting Fees	\$207,000	This submission (excluding HST). Primarily consulting fees for addressing questions on the Draft EASR from stakeholders and finalizing EASR.
EA - Contingency Available	\$394,000	Funds available to cover future additional costs. Expected not to be required.
Resource Recovery Initiatives & Strategy	\$410,000 (b)	Preliminary planning and/or pilot projects for the development of resource recovery area east of W12A Landfill.

Notes:

(a) Rounded to the nearest \$1,000.

(b) Between 2018 and 2020, approximately \$95,000 from the operating budget was assigned to research at Western University through the Industrial Research Chair and the London Waste to Resources Innovation Centre.

Conclusion

It is recommended that the budget for Golder Associates Ltd. and AECOM Canada Ltd. be increased so they will be able to address comments received during the review of the draft EASR for the proposed expansion of the W12A Landfill. This will prevent potential delays in the schedule for the approval of the EA.

Prepared by: Mike Losee, B.SC
Division Manager, Solid Waste Management

Submitted by: Jay Stanford, MA, MPA
Director, Environment, Fleet & Solid Waste

Recommended by: Kelly Scherr, P. Eng., MBA, FEC
Managing Director, Environmental and Engineering
Services and City Engineer

c. Wesley Abbott, Oakridge Environmental

Appendix A – Source of Financing

Appendix "A"

#21043

March 30, 2021

(Appoint Consultant)

Chair and Members

Civic Works Committee

RE: Proposed Expansion of W12A Landfill Site - Updated Environmental Assessment Consulting Costs

(Subledger NT16LF03)

Capital Project SW6051 - Municipal Waste Study

Golder Associates Ltd. - \$189,085.00 (excluding HST)

AECOM Canada Ltd. - \$17,769.00 (excluding HST)

Finance and Corporate Services Report on the Sources of Financing:

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

Estimated Expenditures	Approved Budget	Committed To This Date	Submission	Balance for Future Work
Engineering	2,537,897	1,658,370	210,495	669,032
City Related Expenses	200,000	69,345	0	130,655
Other Expenses	69,741	69,741	0	0
Total Expenditures	\$2,807,638	\$1,797,456	\$210,495	\$799,687
Sources of Financing				
Drawdown from Sanitary Landfill Reserve Fund	2,807,638	1,797,456	210,495	799,687
Total Financing	\$2,807,638	\$1,797,456	\$210,495	\$799,687

Financial Note:

	GOLDER	AECOM	TOTAL
Contract Price	\$189,085	\$17,769	\$206,854
Add: HST @13%	24,581	2,310	26,891
Total Contract Price Including Taxes	213,666	20,079	233,745
Less: HST Rebate	-21,253	-1,997	-23,250
Net Contract Price	\$192,413	\$18,082	\$210,495

Jason Davies

Manager of Financial Planning & Policy

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