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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON SEPTEMBER 10, 2012
FROM:	JAY STANFORD, M.A., M.P.A. DIRECTOR- ENVIRONMENTAL PROGRAMS & SOLID WASTE
SUBJECT:	CONTRACT AWARD FOR LANDFILL GAS COLLECTION AND FLARING SYSTEM OPERATION

RECOMMENDATION

That, on the recommendation of the Director, Environmental Programs & Solid Waste, the following actions **BE TAKEN** with respect to the appointment of a Consulting Engineer to oversee the technical operation of the W12A Landfill gas collection and flaring system;

- (a) Comcor Environmental Limited **BE AUTHORIZED** to carry out landfill gas collection and flaring system operations in accordance with the estimate, on file, at an upset amount of \$4,200 per month excluding H.S.T. and weekend call outs, based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15, Clause 15.2(g) of the City of London's Procurement of Goods and Services Policy;
- (b) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (c) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with each Consultant for their respective project; and
- (d) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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Relevant reports that can be found at www.london.ca under City Hall (Meetings) include:

- Tender 12-77 Contract Award for 2012 W12A Landfill Gas Collection System Expansion (June 19, 2012 meeting of the Civic Works Committee (CWC), Agenda Item #12)
- Solid Waste Management Updates (April 23, 2012 meeting of the CWC, Agenda Item #17)
- Tender 10-43 Contract Award for Expansion of W12A Landfill Gas Collection System in Cells 6 South and 5 West (April 14, 2010 meeting of Board of Control (BoC), Agenda Item #5)
- Update on the Sale of Greenhouse Gas Emission Offset Credits from the Destruction of Landfill Gas (November 2, 2009 meeting of Environment and Transportation Committee (ETC), Agenda Item #3)
- Tender 08-85 Contract Award for Landfill Gas Collection System Expansion (November 26, 2008 meeting of BoC, Agenda Item #3)
- Sale of Greenhouse Gas Emission Offset Credits from the Destruction of Landfill Gas (May 26, 2008 meeting of ETC, Agenda Item #3)
- Ontario Proposal for a Landfill Gas Collection and Control Regulation Mandating the Collection of Methane Gas (October 29, 2007 meeting of ETC, Agenda item #3)

BACKGROUND

Purpose:

This report recommends the consultant to be appointed to oversee the technical operation of the W12A Landfill gas collection and flaring system. The consultant skills and expertise required as part of these services are not available through City staff.

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Discussion:

The landfill gas collection and flaring system began operation in June 2004 and has been expanded three times (2006, 2009 and 2010) in the past into areas of the landfill that has reached final grade and will no longer be receiving garbage. The system currently collects approximately 13,000 to 16,000 liters per minute (450 to 550 cubic feet per minute) of landfill gas. A further expansion is currently under construction.

Comcor Environmental Limited was awarded the original design for the gas collection and flaring system and has designed all subsequent well field expansions. Comcor Environmental Limited are landfill gas specialists and have worked on many other Ontario landfill sites as well as in the United States. Comcor Environmental Limited has provided excellent service to the City.

Overseeing the operation of the landfill gas collection and flaring system includes ongoing maintenance of the flare, regular balancing of the well field to maximize gas flows, preparing regulatory documentation requirements, maintaining a website with updated operational data on the system, providing advice to City staff and responding to system shutdowns within 24 hours.

Comcor Environmental Limited has provided an estimate of \$4,220 per month (excluding HST and weekend call outs) to provide the aforementioned services. Additional funding is not required for this as it is included in the operating budget.

Conclusions:

Given Comcor's knowledge of the W12A Landfill's gas collection system and Comcor's past performance, it is in the City's financial interest to have Comcor Environmental Services to continue to oversee the operation the W12A Landfill gas collection and flaring system for another year on a month by month basis.

Acknowledgements

This report was prepared with assistance from Michael Losee, Manager, Solid Waste Engineering.

PREPARED BY:	RECOMMENDED BY:
WESLEY ABBOTT, P.ENG. DIVISION MANAGER, SOLID WASTE MANAGEMENT	JAY STANFORD, M.A., M.P.A. DIRECTOR, ENVIRONMENTAL PROGRAMS & SOLID WASTE
REVIEWED & CONCURRED BY:	
JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENGINEERING & CITY ENGINEER	

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- c. Martin Hayward, City Treasurer & Chief Financial Officer
Comcor Environmental Ltd