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CITY OF **VANCOUVER**

ADMINISTRATIVE REPORT

Report Date:	January 15, 2007
Author:	Nicole Steglich
Phone No.:	604.307.4180
RTS No.:	06464
VanRIMS No.:	03-1200-11
Meeting Date:	January 30, 2007

TO: Vancouver City Council

FROM: General Manager of Engineering Services
Manager of Materials Management

SUBJECT: Award of Contract for RFP PS06097 Professional Engineering Services - Vancouver Landfill Hydrogeological Review

RECOMMENDATION

A. THAT, subject to the conditions set out in Recommendations B, C, and D, Council authorize a contract with Sperling Hansen Associates to provide Professional Engineering Services for the Vancouver Landfill Hydrogeological Review at an estimated cost of $217,590 plus applicable taxes, subject to a contract satisfactory to the General Manager of Engineering Services, Manager of Materials Management and Director of Legal Services. Funding of $200,000 for this project was approved by Council on June 16, 2005, (RTS No. 05067, Vancouver Landfill Capital Projects) from the Landfill Operating budget.

B. THAT, the Director of Legal Services be authorized to execute and deliver on behalf of the City all legal documents required to implement Recommendation A.

C. THAT, all such legal documents be on terms and conditions satisfactory to the General Manager of Engineering Services, Manager of Materials Management and the Director of Legal Services.

D. THAT, no legal rights or obligations will be created by Council's adoption of Recommendation A, B and C above until such legal documents are executed and delivered by the Director of Legal Services.

COUNCIL POLICY

Consultant agreements exceeding $30,000 require Council Authorization. Contracts are to be awarded on the basis of best overall value for the City.

PURPOSE

The purpose of this report is to seek Council authority to engage Sperling Hansen Associates to conduct Professional Engineering Services for the Vancouver Landfill Hydrogeological Review at an estimated maximum cost of $217,590 plus GST.

BACKGROUND

The City of Vancouver owns and operates the Vancouver Landfill located in Delta at 5400 72nd Street. The Landfill accepts approximately 525,000 tonnes of municipal solid waste for disposal each year and serves the residents of Vancouver, Delta, Richmond, UBC and the University Endowment Lands, South Surrey, and White Rock. The Landfill's Operational Certificate requires that a hydrogeological review be conducted every five years. Two previous hydrogeological reviews were undertaken by Gartner Lee Limited in 1995 and 2000.

A hydrogeological review is a detailed assessment of the impacts of landfill operations on ground and surface water systems in and around the Landfill. This includes computer modelling as well as collection and interpretation of field data. In addition, a review of the annual monitoring program and the associated *Field Sampling and Quality Control Manual for the Vancouver Landfill* (Gartner Lee, 2002) will be completed.

On June 16, 2005 Vancouver City Council approved funding for the Hydrogeological Review. In October 2006, the General Manager of Engineering Services and the Manager of Materials Management sought proposals through an RFP (PS06097) from consulting companies pre-qualified for this project through the Expression of Interest issued on August 29, 2006.

DISCUSSION

Proposals for the Vancouver Landfill Hydrogeological Review were submitted by Golder Associates (Golder), Sperling Hansen Associates (Sperling Hansen) and WorleyParsons Komex on November 10, 2006. Sperling Hansen proposed a project budget of $217,590 while Golder proposed $228,000, and Worley Parsons, $370,480. All budgets exclude GST.

A review team comprised of Engineering Services Staff developed a matrix to compare the technical aspects of the three proposals. The matrix included an evaluation of the proponents' project teams, general proposal contents and proposal details. Proponents were scored out of a total of 70 points. Cost was not included in the evaluation.

Sperling Hansen scored an average of 61 points, while WorleyParsons Komex scored 59 points and Golder 52 points. The review team ranked Sperling Hansen's proposal the highest in terms of best overall value to the City for the following reasons;

- Sperling Hansen has a very strong project team. Key personnel have extensive knowledge and the most local experience in the relevant fields (municipal solid waste management, hydrogeology, water quality monitoring, and groundwater protection).

  The project manager for Sperling Hansen, Dr. Tony Sperling, is allotted the second highest amount of hours for this project (341 hours). His extensive involvement in this project is indicative of the high quality of work that can be expected.

- Modelling is an essential part of the hydrogeological review for assessing changes in groundwater quality over time, especially to predict future conditions. Sperling Hansen and WorleyParsons propose using a combination of data analysis and modelling to meet the requirements of the RFP. Golder proposes to focus the majority of their efforts on sampling and data analysis.

  Sperling Hansen proposes to include the services of Earthfx for site modelling. The two principle members of the Earthfx staff were involved in modelling for the previous two hydrogeological reviews, therefore are familiar with the hydrogeology of the site, and will be updating existing models rather than starting anew.

Sperling Hansen's proposal meets the requirements outlined in the RFP at the lowest cost, and achieved the highest score according to the proposal evaluation matrix. The level of detail and value added services in Sperling Hansen's proposal show a clear understanding of the Landfill's needs, and allow for minimal unforeseen challenges. It is therefore recommended that Sperling Hansen Associates be retained for the project.

FINANCIAL IMPLICATIONS

Funding for the Vancouver Landfill Hydrogeological Review was approved by Council on June 16, 2005. The project will be funded as part of the Landfill Operating Budget, with costs allocated to users of the Landfill.

ENVIRONMENTAL IMPLICATIONS

The Hydrogeological Review is an environmental protection measure required by the Ministry of Environment in the Landfill's Operating Certificate. The project tasks will confirm the effectiveness of the leachate collection and containment system, identify any impacts of facility operation on the ground and surface water systems in and around the site, and minimize any potential future impacts.

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