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CONSULTANT SELECTION FOR ENGINEERING SERVICES SCHOMBERG WATER SUPPLY SYSTEM TREATMENT OPTIONS

The Transportation and Works Committee recommends the adoption of the recommendations contained in the following report, October 5, 2005, from the Commissioner of Transportation and Works:

1. RECOMMENDATIONS

It is recommended that:

1. The consulting engineering firm of AWS Engineers & Planners Corp. be engaged to undertake the detailed design and contract administration for the treatment upgrades to the Schomberg Water Supply System at an upset limit of \$249,998.00 GST excluded.
2. The Regional Chair and Regional Clerk be authorized to execute a formal agreement with AWS Engineers & Planners Corp. for the completion of these services, subject to review by Legal Services.

2. PURPOSE

This report is provided in order to obtain Council authorization to retain consulting engineering services related to the detailed design and contract administration for the treatment upgrade to the Schomberg Water Supply System.

3. BACKGROUND

The existing water supply system that serves the community of Schomberg consists of two production wells, with a combined rated capacity of 3.93 ML/d, and a 1.5 ML elevated tank. Schomberg Well No. 3 is the primary supply well, with Schomberg Well No. 2 serving as a standby well in case of high demand or emergencies. Both wells draw water from the deep, well-confined Thorncliffe Formation Aquifer. The system services an estimated population of 2500 persons.

The water quality data for these wells indicates that the raw water is high in iron, manganese, ammonia and methane. Because of the high, naturally-occurring ammonia in the raw water, chlorine dosage is maintained at a fairly high level in order to achieve the legislated requirement for free chlorine residual. While the treated water meets all

regulatory requirements, staff is of the opinion that there may be more optimal ways of treating the water.

This project is the result of consultation with the Ministry of the Environment. Through these discussions it has been determined that further investigation is required to optimize the current treatment process.

4. ANALYSIS AND OPTIONS

Advertisements for a Request for Proposal (RFP) were posted on the Electronic Tender Network (ETN) on September 7th and appeared in the Daily Commercial News on September 7th. Twelve consulting engineering firms picked up tender documents. The Request for Proposal closed on September 29th with 5 firms responding.

1. AWS Engineers & Planners Corp.
2. Earth Tech Canada Inc.
3. MacViro Consultants.
4. Associated Engineering Ltd.
5. KMK Consultants Limited.

The proposals were evaluated using the two envelope system with technical and financial information kept in separate envelopes. The technical proposal is judged prior to any knowledge of financial bids. Technical content was weighted at 80%. The technical evaluation is based on the following criteria:

- Project Team Experience.
- Project Understanding.
- Approach and Methodology.
- Project Management Approach.
- Quality Assurance and Quality Control.

The financial evaluation composes the remaining 20% weight of the total evaluation. The price proposals were opened after the technical evaluations were complete. The technical and financial results are summarized below in a Table 1.

Table 1
Request for Proposal Evaluation Results

Firm	Technical Score (Out of 80)	Upset Fee (No GST)	Financial Score (Out of 20)	Total Score (Out of 100)
AWS Engineers & Planners Corp.	60.6	\$249,998.00	18.1	78.7
KMK Consultants Limited	52.3	\$226,545.00	20.0	72.3
Earth Tech Canada Inc.	57.3	\$337,844.00	13.4	70.7
MacViro Consultants	53.2	\$288,712.00	15.7	68.9
Associated Engineering Ltd.	53.8	\$334,836.00	14.5	68.2

The firm with the best score was AWS Engineers & Planners Corp. with an upset limit of \$249,998.00 excluding GST.

AWS Engineers & Planners Corp. was ranked highest on the technical portion of the proposal. Their proposal clearly demonstrated their experience and knowledge to investigate options for treatment and determine the preferred approach for implementing improvements at both Schomberg wells. The technical proposal of AWS Engineers & Planners demonstrated a superior understanding of the project, its objectives and the scope of services to be provided.

Their proposed approach and methodology to project management emphasized timely delivery and effective cost control for this project.

Overall, AWS Engineers & Planners Corp. attained the highest score and was selected as the preferred consultant.

5. FINANCIAL IMPLICATIONS

The upset limit cost included in the proposal is \$249,998.00, plus GST. There are sufficient funds identified in the 2005 10-year Capital Budget for all anticipated expenditures in 2005.

The fees for contract administration and site inspection were based on a contract duration for construction of 32 weeks. If the actual contract duration varies from the assumed duration, the fees for contract administration and site inspection will be adjusted based on the weekly fee provided in the proposal.

6. LOCAL MUNICIPAL IMPACT

This project will provide improved treatment to the Schomberg Water Supply System.

7. CONCLUSION

The consultants' proposals for this project were evaluated in accordance with Regional policy. It is recommended that the consulting engineering firm AWS Engineers & Planners Corp. be engaged to undertake detailed design for the preferred treatment option and contract administration for the Schomberg Water Supply System upgrade at an upset limit of \$249,998.00 excluding GST.

Furthermore, it is recommended that appropriate Regional officials be authorized to take all necessary steps to execute a formal agreement with AWS Engineers & Planners Corp. for the completion of these services.

The Senior Management Group has reviewed this report.