



RPT 20-265

TITLE: Landfill Cell Design, Operations and Closure Plan

DATE: June 19, 2020

TO: City Council

PUBLIC: X

INCAMERA:

RECOMMENDATION:

1. To award the professional services agreement for the landfill planning, cell design, decommissioning, reclamation, tender, construction inspection and Landfill Gas Management plan for the Prince Albert Landfill to Tetra Tech Canada Inc. for an estimated \$327,800 including taxable PST.
2. That the Mayor and City Clerk be authorized to execute the Professional Services Agreement and Addendum and any other applicable documents on behalf of the City once prepared.

TOPIC & PURPOSE:

To award the professional services agreement for the planning, design, tender and construction inspection project at the Prince Albert Landfill.

BACKGROUND:

In January 2020 Prince Albert City Council approved the City's Sanitation Budget, including approval for Administration to proceed with the Design and Engineering Services for the review of the Landfill, decommissioning and reclamation of the existing waste cells and construction of a new cell.

This project is for the detailed design and tender for one new waste cell, decommissioning and reclamation for the existing two waste cells and a comprehensive review, update and implementation of landfill plans and a landfill gas management plan. The project will allow for the future growth of the Landfill Cells

of which the current ones are reaching capacity and also compliance with the Ministry of Environment for items that they have regulated the City complete.

PROPOSED APPROACH AND RATIONALE:

Public Works put out a public proposal call on May 15, 2020 for qualified Engineering firms with experience in landfill planning, design, tender and construction inspection of cell construction and closure. The proposal call closed on June 10 with 10 firms submitting; AECOM, BCL, CAE, Clifton, ECO, KGS, Pinter, Stantec, Tetra Tech and Wood.

As a professional proposal call, dollar value still plays an important role in the selection process but not the only criteria. Proposals were evaluated as follows; Past experience 15%, Design team 10%, Project leader 15%, Methodology 20%, Schedule & Requested documents 15%, and Professional Fees 25% for a total of 100%.

Evaluations of the proposals were completed by four Public Works managers individually. The results of the evaluations were unanimous that Tetra Tech had the highest scoring proposal.

1. Experience: AECOM, KGS, Tetra Tech and Wood had the most previous applicable experience in landfill cell construction, closures and landfill planning, closely followed by BCL, Clifton, Pinter and Stantec. Tetra Tech had the most relevant and recent experience with 25 recent Saskatchewan landfills in the last 5 years.
2. Team: The teams varied between proposals with three to ten staff with applicable project disciplines. AECOM, Clifton, ECO, KGS, Stantec, Tetra Tech and Wood had the most diverse teams with BCL rating closely behind.
3. Key Contact Personnel: The amount of experience directly related to project scope varied with some having extensive experience of 40+ to no years of relevant experience. The chosen consultant Tetra Tech had the most robust project experience with 12 landfill projects in the last 7 years.
4. Methodology. The quality receive in this category was impressive with each consultant detailing an understanding of the project scope. AECOM, Clifton, ECO, KGS, Stantec, Tetra Tech and Wood ranked the highest and showed a complete understanding of the project needs and detailed how they would be achieved. Tetra Tech showed insight on topics no other firm had covered.
5. The RFP requested four documents; APEGS Membership, ACEC Membership, WCB Clearance, and \$5 Million General Insurance. There were also two Addendums that were issued that were to be included. All but 3 proponents included all of the required documentation. The City also indicated a maximum length for the proposals with some exceeding the maximum resulting in points being docked from the proposal.

6. Schedule. All ten firms indicated they could meet the schedule.
7. Professional Fees. Total fee spread was 59% with Pinter being the lowest followed by Tetra Tech, CAE, BCL, Stantec, KGS, Wood, Clifton, ECO and AECOM proposed the highest fees.

Therefore, based on the above seven criteria, Public Works recommends award of the Professional Engineering Contract to Tetra Tech as they finished in the top grouping of each category and was the second lowest price for their proposal.

Tetra Tech has also included value added options to their proposal which has been included in the Addendum. The added options are to have training provided to the staff and management for the Landfill operation and to perform a landfill gas management plan. The landfill gas management plan will open the City up for funding opportunities for federal and provincial funding initiatives to reduce, capture and use greenhouse gas emissions.

CONSULTATIONS:

The Public Works Department wrote the Landfill request for proposals (RFP) and had it posted on the SaskTender website.

Upon receiving the proposals from the consultants, four Managers within the Public Works department reviewed and evaluated the RFP's independently to reach the recommendation.

COMMUNICATION AND/OR ANNOUNCEMENT PLAN:

Once the Professional Services agreement is awarded, the Department will forward the agreement to Clerk's Office to be signed and sealed.

POLICY IMPLICATIONS:

The City of Prince Albert Purchasing Policy was complied with in the preparation and evaluation of the Request For Proposal.

FINANCIAL IMPLICATIONS:

The 2020 Sanitation Budget includes \$340,000 for design and engineering services for a review of the Landfill cells, decommissioning and reclamation of the existing cells and construction of a new cell at the City Landfill. The proposal from Tetra Tech including addendum is for \$327,800 including taxable PST. The fees within the proposal for the landfill plans and engineering design component will be applied in 2020, with the construction services over the years 2021 and 2022 pending budget approval.

OTHER CONSIDERATIONS/IMPLICATIONS:

There are no other considerations or implications for privacy implications, Official Community Plan or options to recommendation.

STRATEGIC PLAN:

The implementation of engineering plans, design of future landfill cells decommissioning and reclamation of the existing cells, align with the Strategic Priority of Sustainable within the Operational Themes which includes ensuring that all facets of city operations and projects are sustainable; operating with efficiency.

PUBLIC NOTICE:

Public Notice pursuant to the Public Notice Bylaw No. 24 of 2015 is not required.

ATTACHMENTS:

1. Landfill Site Plan

Written by: Nykol Miller, Capital Projects Manager

Approved by: Director of Public Works & City Manager