

Notice to Bidders of the City of Winnipeg's Intent to Issue a Future Bid Solicitation for the South End Sewage Treatment Plant Upgrade - Information Only

SOUTH END SEWAGE TREATMENT PLANT UPGRADE [SEWPCC] UPGRADING/EXPANSION PROJECT- CONTRACT 4; SITEWIDE MECHANICAL, ELECTRICAL, CONCRETE AND SITE WORKS.

The South End Sewage Treatment Plant (SEWPCC) is the City of Winnipeg's second largest treatment plant (59 MLD) providing approximately 20% of the City's sewage treatment. The City is upgrading and expanding this plant to meet enhanced regulatory requirements and forecasted increased system flows. The project is comprised of four (4) major construction contracts. Three (3) of the construction contracts have been awarded. These contracts were related to foundation excavation/piling and major concrete structures. Details of these contracts can be found on the City of Winnipeg Materials Management Website under Closed Bid Opportunity Information at: <http://winnipeg.ca/finance/findata/matmgt/bidres/Past/2016.asp>

Reference Bid Opportunities 333-2014, 601-2015 and 899-2015. This will be the final remaining construction contract for the SEWPCC Upgrade/Expansion Project and the procurement method will be similar to the previous three.

This final remaining construction contract includes the major mechanical, electrical, instrumentation and automation scope of the project and remaining foundation/building scope. In general, the scope includes the supply of equipment/materials and installation. Significant components of the plant upgrade include;

- Upgrades to raw sewage pumping and wet well modifications.
- New screening/grit building with associated process systems.
- New primary Vortex grit removal system and upgrades to the existing grit system.
- Modifications to the existing headworks configuration, upgrade screens.
- New Actiflo high rate clarifier system (HRC). (City of Winnipeg to supply certain equipment)
- New Biological Nutrient Removal (BNR) reactors. (City of Winnipeg to supply certain equipment)
- BNR Aeration Blower Building with associated process systems.
- Two new secondary clarifiers, upgrades to existing clarifiers.
- New chemical / electrical building and associated process systems.
- New centralized diesel standby generators.
- Upgrades to the existing ultraviolet disinfection system.
- New 66kV substation.
- Upgrade electrical service and distribution system.
- Upgrade existing distributed control system (DCS) to PLC based system.
- Upgrade plant control/administration fibre network.
- Upgrade existing Human Machine Interface (HMI) systems.
- Control system integration.

- Modifications to existing Administration Building including reconfiguring Control Room/Server Rooms.
- Reconfigure existing High Purity Oxygen (HPO) reactors as fermenter/biofilter.
- Reconfigure existing Pressure Swing Absorption (PSA) area to sludge thickening.

The City is not able to provide any further information or respond to enquiries. A contact will be identified with the tender documents when they are issued.

Anticipated issuance of Bid Opportunity 976-2016 on the City of Winnipeg Materials Management Bid Opportunities website is:

- **Q2 2017**