Proponents Conference Script

Slide 1

REMI: Hello everyone, my name is Remi Adedapo and on behalf of the City, welcome to the North End Sewage Treatment Plant Upgrade Headworks Facilities Design Build Proponents' Conference. I am pleased to be joined by Simon Baker, from AECOM, who will be leading the presentation today.

Slide 2

 I would like to begin by acknowledging that we are in Treaty One territory, the original lands of the Anishinaabeg, Cree, Oji-Cree, Dakota, and Dene peoples, and on the traditional homeland of the Métis Nation.

Slide 3

I would also like to provide a safety orientation. There are washrooms immediately to your right as you exit the gymnasium doors There are also two emergency exits, one on the north side and one on the west side of the gymnasium. In the event of an emergency and we are required to evacuate, the muster point is the southeast corner of the parking lot.

For those of you attending the Site Tour, please bring your own personal protective equipment. You will need:

- Steel-toe boots;
- Hard hat;
- High-visibility vest; and
- Safety glasses.

Hearing protection will be provided on site; however, you are welcome to bring your own.

Due to the number of people participating in the Site Tour, we will be splitting into groups. Each tour group will be escorted. This is for your safety as the plant is operational and some areas are under construction. In case of a fire alarm bell or fire alarm via the public address system, please follow your tour guide to the muster point in front of the Administration Building. The sign-in sheets will be used to account for attendees at the muster points both here and at the plant. Please ensure you have signed the appropriate sign-in sheets.

Before handing it off to Simon, I would like to remind everyone that any information presented here during this conference or later at the Site Tour, whether written or spoken, cannot be relied upon, unless this information is provided formally by the City via an addendum to the RFQ.

That being said, these conference slides and questions and answers with respect to this conference will be posted on the City's website after today.

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SIMON: Thank you Remi. I will briefly outline the rest of the presentation today:

- We will provide an overview of the Project;
- We will briefly present the Facilities and Processes required under this Project;
- We will explain the procurement process and procurement schedule;
- We will explain the RFQ process, including the RFI procedure;
- We will provide an overview of the Site Tour, which will take place after this conference; and
- There will be time for questions at the end of this presentation followed by some closing remarks.

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The North End Sewage Treatment Plant (also known as the North End Water Pollution Control Centre) is located in Winnipeg. Winnipeg is the capital of Manitoba and is nearly the geographical centre of North America. The City covers 663 square kilometers and has a population of approximately 749,500, and is expected to grow to 807,400 people by 2022. Key industries found in the Winnipeg include transportation, finance, manufacturing and agriculture.

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The existing North End Sewage Treatment Plant consists of both liquid stream treatment and solids stream treatment. The liquid train consists of a raw sewage pumping station, a hauled liquid waste receiving station, mechanical bar screens, aerated grit removal tanks, primary clarifiers, high purity oxygen reactors, secondary clarifiers and ultraviolet disinfection.

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The North End Sewage Treatment Plant is the only wastewater treatment plant in the City that has solids treatment. Sludge generated from the South End Sewage Treatment Plant and the West End Sewage Treatment Plant is hauled via trucks to the North End Sewage Treatment Plant for treatment. The solids train includes anaerobic digesters, sludge storage tanks, and sludge dewatering. Biosolids are currently being disposed of in the landfill.

In addition, the NEWPCC uses biogas generated from the anaerobic digestion process as a fuel source for the boilers that heat the buildings on site. Excess gas is flared. A sidestream centrate treatment facility removes nitrogen and phosphorus is removed using chemical precipitation.

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An enhanced preliminary design was completed by AECOM for upgrading the entire NEWPCC facility. Due to funding, the North End Sewage Treatment Plant Upgrade Project will be divided into three capital projects; a Headworks Facilities Project, a Biosolids Facilities Project, and a Nutrient Removal Facilities Project

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This Procurement process starting with this Request for Qualifications is for the Headworks Facilities Project only.

The scope of work in the Headworks Facilities Project includes:

- A new raw sewage pump station;
- New fine screening and grit removal;
- Modifications to the primary clarification facility;
- A new standby power facility;
- A new process control system and migration of the existing facilities to the new control system;
- Other non-process items; and
- Decommissioning of existing equipment.

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The new raw sewage pumping station will be located in the new Headworks Facility. The pumping station will have wet well/dry well configuration and must have a total capacity of over 1000 megalitres per day. It is anticipated that the bottom of the pump station will be 20 metres below grade. Extensions to the existing interceptors will be required to convey the raw sewage to the new pumping station. These interceptors are very large, the largest is about 2.3 metres in diameter, and it is anticipated that approximately 100 metres of new interceptors will be required to connect the existing interceptors to the new raw sewage pump station.

Other process equipment to be installed in the Headworks Facility includes fine screens and screenings compaction, high efficiency grit removal, grit washing, and grit dewatering.

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Upgrades to the primary clarification facility include modifications to improve flow distribution between the five existing clarifiers. Some heating, ventilation and air conditioning and electrical equipment will be replaced with equipment rated for the hazardous area classification. Covers will be added to the effluent launders and the foul air will be conveyed elsewhere for treatment. A new scum pumping and dewatering system is also required.

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A new standby power generation system will be required to provide power to the entire NEWPCC facility.

A new main control room, including a server room and plant staff amenities will also be located in the Headworks Facility. The NEWPCC uses a distributed control system, which will be replaced with a new programmable logic controller based system. Existing process, building mechanical, and electrical equipment controlled by the distributed control system that will remain in operation after this Project must be migrated onto the new process control system.

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Other non-process upgrades are also required including ancillary systems, electrical, automation and control systems, utilities, site works, life safety systems, building mechanical, and access tunnels.

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Some processes will be decommissioned under this Project including the existing surge well (wet well), raw sewage pump wells, the pumped flow discharge chamber, the screens and conveyors, the grit removal system, and blowers. This could involve disposal or salvage of equipment. Decommissioning of this equipment also includes related piping, valves and actuators, etcetera and the associated electrical and control equipment.

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The City of Winnipeg has several objectives for this Project, namely:

- to conduct a fair, competitive selection process for award of a Design Build Agreement which appropriately allocates risks and rewards between the City and the Design Builder;
- to complete design, construction and commissioning of the Project to meet the schedule in the Design Build Agreement with the least possible disruption to NEWPCC operations and the public;
- to obtain an innovative technical approach from the Design Builder that provides the best value possible for public money to be invested in the Project; and
- to ensure that the Project is designed and built in an efficient and quality manner that:
    - complies with all applicable Canadian and Manitoba codes and regulations;
    - allows for continuous operation of NEWPCC throughout the duration of the Project;
    - provides a Project that can be operated safely and maintained at an acceptable cost;
    - maintains effluent discharge criteria throughout the Project duration; and
    - provides a safe working environment for all parties, including the Design Builder, other contractors at the site, the NEWPCC plant staff, the City Project Team, and the public.

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In order to meet these objectives, the City elected to use a Design-Build delivery method and to follow a two-stage procurement process. The first stage is the request for qualifications, which officially began on March 6, 2019. The three proponents that score the highest on the request for qualifications will be shortlisted and become known as “Prequalified Proponents”.

The next stage is to issue the request for proposals to the three Prequalified Proponents. One Prequalified Proponent will be selected and becomes the “Preferred Proponent”.

P1 was retained as a fairness advisor and will be responsible for providing third party oversight to ensure the procurement process is open and transparent and decisions resulting are fair and consistent with the procurement process evaluation and criteria laid out for the Project in the RFQ and RFP.

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No Proposal Submission Fee or compensation will be paid by the City to any proponent or Proponent Team Members for costs incurred while responding to the RFQ.

The City anticipates that a Proposal Submission Fee (honorarium) for proposal development costs will be paid to each of the unsuccessful Prequalified Proponents, up to four hundred thousand dollars, provided the Prequalified Proponents' RFP submission is responsive and the Prequalified Proponents' have agreed to transfer to the City all intellectual property rights. For clarity, the Preferred Proponent that enters into the Design Build Agreement will not receive a Proposal Submission Fee.

If the City cancels the current procurement process after issuance of the RFP, a Break Payment will be made to each Prequalified Proponent of up to four hundred thousand dollars, including applicable taxes, for proposal development costs. To receive the payment, the Prequalified Proponents must submit the proposal development work and transfer all intellectual property rights to the City.

Additional details regarding the Proposal Submission Fee and Break Payment will be provided in the request for proposals.

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The procurement schedule for the RFQ process is shown here in the table. A summary of the key deadlines are:

- Last day to request permission to participate in more than one Qualification Submission as explained in B19.4 is April 5, 2019
- Last day for submission of:
  - Form H-6 – Financial Statement Non-Disclosure Agreement, explained in B39.4(a)
  - Information related to eligibility, explained in B21.4; and
  - Information related to early assessment of Conflict of Interest, explained in B16.4

    Is May 8, 2019
- Last day for RFIs is May 14, 2019
- Last day for the City to issue addenda is May 22, 2019
- The submission deadline for Qualification Submissions is June 5, 2019 at 4:00 pm Winnipeg-time; and
- The last day for submission of business information in accordance with B38.2 is July 25, 2019 at 4:00 pm Winnipeg-time.

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This table shows the anticipated dates for the procurement process after the Qualification Submissions have been received. The City intends on checking references between September

and October 2019 after which, shortlisting of the Prequalified Proponents would take place in November 2019. It is anticipated that the RFP will be issued to the Prequalified Proponents in January of 2020. Commencement of Work is anticipated in December of 2020.

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I would like to take some time now to explain the Request for Qualifications process and some of the terms that have been used already. Each firm that submits a Qualification Submission to the City is referred to as a Proponent. Each Proponent must have a Proponent Representative, which is the firm or company representing the Proponent and its team members. Each Proponent Representative must have a Proponent Representative Contact Individual, which is a real person. Sub-consultants and Sub-contractors to the Proponent are referred to as Proponent Team Members. The Proponent Team is further broken into teams; the project management team, the design team, and the construction team. Each of these teams will be led by a "Proponent Team Lead".

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The City intends on shortlisting a maximum of three Proponents, which will become the Prequalified Proponents. The Prequalified Proponents will be invited to participate in the request for proposal process. The other Proponents become Reserve Prequalified Proponents. Reserve Preferred Proponents can replace a Preferred Proponent in the RFP process if one of the Preferred Proponents is unable to participate.

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During the RFQ process, anyone may submit a request for information. The City has included a RFI form with the RFQ documents, and this form must be used when submitting the RFI. All RFIs must be emailed to the Contact Person, Tammy DeFoort. The contact information is included in the RFQ. Only one request can be submitted per form. All RFIs and responses will be posted to the City's public Bid Opportunity website, however, any information identifying the person or organization that submitted the RFI will be redacted.

Any response to an RFI does not amend the RFQ and is non-binding. As such, the responses cannot be relied on by the Proponents. If the City feels that a response to an RFI must amend the RFQ, an addendum to the RFQ will be issued.

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Addenda are the only method that will be used to amend the RFQ. The current deadline for addenda is May 22, 2019. If the City realizes that an addendum must be posted to delay this date, the Qualification Submission Deadline will be extended by no less than ten days.

Note that the City may post addenda at any time prior to the Qualification Submission Deadline.

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Proponents' access to the addenda is only through the City's Bid Opportunity website. Proponents are advised to check the website frequently as the City will not notify Proponents

that an addendum was posted. Proponents must acknowledge that they have reviewed each addendum on Form A-1 Master RFQ Submission Form that is included in the RFQ documents.

Slide 25

I would like to take some time now to describe the Site Tour, which will start at 4:30 pm. Because it may be difficult to hear, there will be limited information given on site. Do not ask any questions during the Site Tour as they will not be answered. If you have questions related to the Site Tour, these can be asked through the RFI process.

The North End Sewage Treatment Plant is located at 2230 Main Street. To get there from here, turn right off Murray Avenue onto Main Street. Head south for approximately 500 m and turn right.

Some of the Site Tour involves walking outdoors. Wear appropriate winter clothing. As a reminder, the following PPE is required to participate in the Site Tour:

- Steel-toe boots;
- Hard hat;
- High-visibility vest; and
- Safety glasses.
- Hearing Protection will be provided on site, however, you are welcome to bring your own.

Photographs of the buildings and equipment are permitted, however, please consider the privacy of others on the tour when taking photographs. Photography of plant staff, security systems, entrances, and staircases are not permitted.

Slide 26

Some parking will be available as shown on this slide, however, there may not be enough for everyone to drive their own vehicle. If possible, please carpool to reduce the number of vehicles on site. The Red River Community Centre will allow you to leave your vehicle in their parking lot until 6:30 pm.

Please follow the directions into and out of the parking lot to avoid impeding traffic flow. Also, use extra caution when navigating the roadways, especially at the area indicated on the map, as visibility may be limited due to snowbanks and there will be numerous vehicles in the area. This same map is on the first page of the handout. Follow the green line off of Main Street to the parking lot. When leaving the Site Tour, follow the red line from the parking lot back to Main Street.

Slide 27

Included here is an overall tour map that shows the various places that you will be visiting. The next 15 slides will explain each stop in greater detail. This same map is on the second page of the handout.

Slide 28

The Site Tours will start at location 1, in the Administration Building. Visitors must sign-in even if you have already done so at the Proponents Conference. Each tour group will be assigned a tour guide to escort the group through the plant. Do not wander away from the group. When the tour guide leaves to go to the next location, do not stay behind.

Slide 29

The first stop will be at the main control and server rooms. These rooms are located within the Administration Building. As previously explained, a new control room and server room will be required in the new Headworks Facility. Anything controlled from this room or stored on this server will need to be migrated over to the new main control room and server room. Remaining equipment will be decommissioned.

Slide 30

The next stop will be the raw sewage pump wells. The wells are located in the Main Building, which is attached to the Administration Building. A new raw sewage pumping station will replace these pump wells. The pump wells need to be decommissioned including the associated electrical and control equipment. Building mechanical systems will be installed to preserve the pump wells in good condition and prevent flooding of the wells and to prevent the wells from becoming hazardous spaces.

Slide 31

Location 4 is Primary Clarifiers 1, 2 and 3 as well as the flow distribution system to the clarifiers. Upgrades required are improved flow distribution to evenly distribute flow to all 5 clarifiers, upgrades to the HVAC in the control chamber building, and replacement of equipment and components not currently appropriate for the hazardous area classifications.

Slide 32

Next stop is to go outdoors and see Primary Clarifier 2 and 3 from ground level. Effluent launder covers will be installed to collect odours. Foul air piping will be installed to convey the odours to the existing primary clarifier stack. Primary Clarifier 1 and 2 are the same size, while Primary Clarifier 3 is the same design, but larger in diameter.

Slide 33

From there, we will visit Primary Clarifiers 4 and 5. These primary clarifiers are rectangular. A new primary scum pumping and dewatering system is required for all clarifiers and will be located in a new scum dewatering building.

Please note that there is limited space between the concrete columns and the moving clarifier bridge. Do not try to walk between the column and the moving bridge as the bridge may catch loose clothing or pinch you between the bridge and the column. If the bridge is coming, walk on the opposite side of the column or wait until the bridge has passed.

Slide 34

The next stop will be the stack. This stack currently vents foul air from the Primary Clarifiers 4 and 5 and the Secondary Clarifiers. This stack can be reused to vent foul air from the new effluent launder covers on Primary Clarifiers 1, 2 and 3. The stack must also be capable of continuing to vent the Secondary Clarifiers.

Slide 35

The next stop will be the fan room. This room houses the fans that ventilates Primary Clarifiers 4 and 5 and the Secondary Clarifiers. These fans can be reused to ventilate these areas and the fan room can be used to draw the foul air from the new effluent launder covers installed on Primary Clarifiers 1, 2 and 3.

Slide 36

From there, we will go to the upper level of the grit building. This area houses the main electrical room and the screening and grit removal systems. This area is under construction as part of another project, therefore, we will not be visiting the electrical room. We will tour the screening and grit area. Please note that a horn may sound while we are visiting this area. This horn is normal and indicates that the screening equipment is about to start-up.

The existing screening and grit removal systems will be decommissioned, including the blowers for the aerated grit tanks as well as the odour control system and all the associated electrical and controls. Building mechanical systems will be modified to keep the building heated and ventilated to keep it in good condition for the foreseeable future.

Slide 37

Located in the east basement of the grit building are the existing plant effluent pumps (flushing water) pumps. These flushing water pumps service the entire facility and must remain in service during and after this project. Flushing water supply to the new Headworks will connect to this existing supply.

Slide 38

Located to the north of the grit removal building is the greenfield site where the new standby power generation facility will be located. While there is no building currently located here, utilities and/or other buried infrastructure may be present. This new standby power facility will need to provide back-up power for the entire NEWPCC, not just the equipment included in this Headworks Facilities Project.

Slide 39

The next stop will be to view the greenfield site where the new Headworks Facility will be located, although it's covered in snow. The new Headworks will contain a new raw sewage pump station with a wet well/dry well configuration, a new fine screening system including screenings conveyance and compaction, a new grit removal system including washing and dewatering, and a new main control room including workstations and servers.

The existing raw sewage interceptors will connect to the new wet wells. The new Headworks Facility will also be connected to the Administration Building via a tunnel that is large enough for personnel and maintenance equipment. Utilities, duct banks, conduits and/or other buried infrastructure may be present in this area.

Slide 40

This is the Administration Building and marks the end of the tour. Self-guided tours after the end of the Site Tour is not permitted. Visitors must sign-out before leaving.

Slide 41

At this time, we will open the floor to questions. Questions that are not answered here will be responded similar to RFIs.

Slide 42

This concludes the formal presentation. We invite everyone to socialize and enjoy refreshments for the next 45 minutes or so. Please vacate the gymnasium by 4:30 as there are other events later this evening. We also want to remind everyone that the Site Tour will begin at 4:30 pm. Please be sure to see one of the staff with a clipboard in front of the Administration Building to sign-in. There is some parking available as shown on the first page of the handout, however, if it possible, please carpool to the Site Tour. The Red River Community Centre will allow you to leave your vehicle in their parking lot until 6:30 pm. Thank you for your interest in the North End Sewage Treatment Plant Upgrade Headworks Facilities Project.

Site Tour Script

Once everyone has assembled into a group, the escort will announce that the Site Tour will leave now

After arriving at Location 2

ESCORT: This is the existing main control room and server room.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 3

ESCORT: These are the existing pump wells and associated electrical and control rooms.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 4

ESCORT: These are Primary Clarifiers 2 and 3.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 5

ESCORT: This is the existing primary clarifier distribution chamber and circular clarifiers

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 6

ESCORT: These are Primary Clarifiers 4 and 5

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 7

ESCORT: This is the stack.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 8. Note that announcement must be made before entering fan house as hearing protection will be required to enter

ESCORT: This is the fan house.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 9

ESCORT: This is the upper level of the Grit Building.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 10

ESCORT: These are the flushing water pumps, located in the lower level of the Grit Building.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 11

ESCORT: This is the greenfield site for the new standby power generation facility.

*Allow the tour group to move around to take a closer look. *

ESCORT: We will now go to the next stop.

After arriving at Location 12

ESCORT: This is the greenfield site for the new headworks facility.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 13

ESCORT: This is the greenfield site for the new headworks facility.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 14

ESCORT: This is the gallery that connects the east basement of the grit building to the Main Building.

Allow the tour group to move around to take a closer look

ESCORT: We will now go to the next stop.

After arriving at Location 15

ESCORT: This concludes the site tour. Please remember to sign out before leaving.