

# **NORTH SHORE WASTEWATER TREATMENT PLANT**



## **Lions Gate Public Advisory Committee Meeting No. 6**

### **Meeting Summary**

April 27, 2017, 6:30 p.m. – 9:00 p.m.  
Norgate Community Elementary School  
1295 Sowden Street, North Vancouver, BC

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## 1. Welcome and Opening Remarks

John Forsdick, Facilitator, Context Research, called the meeting to order at 6:30 p.m. and welcomed all to the Lions Gate Public Advisory Committee (LGPAC) meeting.

Andrea Winkler, Public Involvement, Program Manager, Metro Vancouver (MV), noted this was the final LGPAC meeting and introduced Acciona. Ms. Winkler thanked LGPAC members for their involvement and dedication to the project.

## 2. Introductions and Agenda Overview of LGPAC Activities

Diana Sollner, Chair, LGPAC, reviewed the agenda for the April 27, 2017 meeting. Ms. Sollner apologized for not completing the draft of the LGPAC final report and suggested that the LGPAC, MV and Acciona team have a dialogue on first impressions of the communications plan, as well as a question-and-answer period.

The objectives of the meeting were to:

- Introduce Acciona (formerly ADAPT Consortium) and provide an overview of LGPAC activities
- Provide LGPAC members with updates on the new North Shore Wastewater Treatment Plant (NSWWTP).

## 3. Project Update

Paul Dufault, Project Manager, North Shore Wastewater Treatment Plant, MV, led an update on the project and highlighted:

- Funding:
  - Commitments from Canada (up to \$212.3 million), BC (up to \$193 million) and MV (the remaining share of the estimated total cost of \$700 million)
  - MV's funding is divided between the North Shore and the remainder of the region
- Review of the competitive procurement process
- Contract award of \$525 million to Acciona
- Jane Shackell, QC, Miller Thompson LLP, was the fairness monitor, ensuring the rules laid out in the proposal were followed in the evaluation process
- The Acciona proposal met the completion deadline of December 31, 2020, the technical requirements and was within the established budget
- Changes from the original project include the doubling of capacity of the reclaimed water system; and there is still an option for a district energy system utilizing effluent heat
- MV's ongoing role:
  - Continued management of the contract with Acciona
  - Plant owner
  - Plant operator 2021

Richard Lyell, Interim Project Director, Acciona, highlighted:

- Background information on Acciona
- Construction timeline:
  - Financial close April 2017
  - Plant completion December 2020
  - Acceptance June 2021
- Demonstration period of 12 months prior to hand over to the Greater Vancouver Sewerage and Drainage District (GVS&DD)
- Warranty period of 12 months.

Donna Clare, Architect, Dialog, continued with the presentation and provided commentary on design features of the NSWWTP:

- Specificity to North Vancouver with the Burrard Inlet and mountain topography
- Ensuring visitors to the building will see the plant and understand the extensive and difficult process involved in cleaning water
- Use of water to feed life at the front entrance plaza with plants and a pond
- Multi-functional community room to host events
- Water testing and training room on the second floor
- Maintenance functions on the third floor
- Fourth floor office area for building staff
- Roof deck area with 360° views of Burrard Inlet, downtown Vancouver and the mountains.

Marion LaRue, Architect, Dialog, provided information on development of the public tour routes and noted that tours are being considered for various age and education levels.

#### **4. Engagement and Communications**

Ms. Winkler advised that Acciona would assume responsibility for community engagement and would hold bi-weekly meetings with MV. Lucent Quay is the communications consultant for Acciona.

Alysha Nesrallah, Communications Coordinator, Lucent Quay, led a presentation on the communications plan and highlighted:

- Commitment to engage with local businesses and residents throughout the project
- Responses to questions and concerns will be provided through public meetings, website, social media, newspaper advertisements, project signage, phone line, letters and newsletters
- Proposed construction mitigation measures:
  - Timely community notification
  - On-site measures to minimize dust and noise
  - Deliveries scheduled outside of peak traffic times

- Pre-assembling materials off-site, wherever possible
- Use of stone columns in place of piles
- Public Open House on May 18, 2017 to introduce the project team and receive input on the Public Impact Mitigation Plan.

## **5. Pump Station and Conveyance Project**

Mr. Dufault provided an update on the Pump Station and Conveyance Project:

- The pump station will be located under the Lions Gate Bridge
- Metro Vancouver is working with the Port of Vancouver and the Ministry of Transportation and Infrastructure on required permits
- Request for qualifications (RFQ) for the design-build contract will be issued in June 2017
- Aim to have contract awarded in April 2018, with two years of construction.

## **6. Air Quality Monitoring Station**

Mr. Dufault provided an update on the Air Quality Monitoring Station (AQMS) and highlighted:

- Possible sites for a permanent AQMS in the District of North Vancouver are being assessed
- Estimate that the AQMS will be in place six months after the selection of the site, dependent upon approvals
- Integration with the regional air quality monitoring program
- E-Sampler will be installed in the interim:
  - Expected to be in place within three months
  - Fine particulate matter, wind speed and direction will be monitored continuously.

## **7. LGPAC Final Report and Closing Comments**

Ms. Sollner thanked everyone for their participation on the LGPAC.

Ms. Winkler thanked Ms. Sollner for chairing the LGPAC, Rick Hancock for vice-chairing and all LGPAC members for their time and efforts. The final report on LGPAC activities will be presented to the MV Utilities Committee, after which the LGPAC will be disbanded.

The meeting concluded at 8:45 p.m.

## 8. Issues, Comments, Questions

The following table summarizes MV responses to questions and concerns provided by attendees, organized by topic, throughout the meeting:

Issue, Comment, Question	MV Response
<b>NSWWTP Design</b>	
Will the public have access to the rooftop when the building is closed?	The ability to provide after-hours rooftop access will be included in the design but the decision on how to proceed will be made in 2021.
Is there glazing to see into the NSWWTP in the arrival hall?	That was the original plan but the design resulted in a view of only the sides of the clarification tanks. The district energy system will be visible from the hall.
I want visitors to the area to not know the NSWWTP is here. It cannot have any impacts on the area.	The plant is designed to fit into the surrounding area, with stringent odour control measures.
What are stone columns?	Stones are placed into the ground with a vibrating tool to densify the soils, instead of pile driving, reducing noise impacts.
Could Acciona have met with LGPAC during the procurement process to receive input first-hand?	No. Proponents worked separately on their proposals, which is normal, to avoid a real or perceived competitive advantage and protect proprietary information.
<b>Engagement and Communications</b>	
Will we get a copy of the construction schedule? The Norgate Facebook page would be a great place to share and answer specific questions.	The presentations will be made available with the meeting summary. Acciona's Communication Coordinator was made aware of the Norgate Facebook page.
The MV process of involving the community from the very beginning was very new.	MV involves potentially impacted residents and businesses early in all major projects, plans and initiatives. LGPAC was very successful in helping to meet this commitment.
Are you going to be managing relationships with the District of North Vancouver (DNV) council?	The DNV is being kept informed of project developments. The project will be subject to the District's Development Permit Process, which will provide additional opportunity for public input.

Issue, Comment, Question	MV Response
Is there a separate process to work with the Squamish Nation?	MV has an ongoing working group with the Squamish Nation and sends information through a contact for distribution to its members.
The Norgate community became accustomed to the LGPAC speaking on its behalf. You may want to highlight that if they want to have input, they need to engage and attend the open house.	Noted by MV and the Acciona Communications Coordinator.
<b>Conveyance Project</b>	
Has the conveyance plan been finalized with the Squamish Nation?	This is in progress.
Once the LSWWTP is decommissioned, will it be demolished?	Yes.
<b>Education Program</b>	
At LOTT, there were tours through the plant four times a day. Is that possible at the NSWWTP?	Tour opportunities and potential tour routes are being studied by the Acciona design team.
Will there be tanks that are transparent for viewing?	Constant grease accumulation makes it difficult to keep transparent surfaces clean to maintain visibility.
I would like to see the NSWTTP be a model of what a wastewater treatment plant can be. There are many options that can be pursued. I want to see the vision continued.	Agreed.
Education programming needs to be developed early and not as an afterthought.	Community education on liquid waste treatment and related behavioural issues remains a guiding principle of the design of the plant.
A community advisory group could be useful for developing educational programming.	Noted.
<b>Miscellaneous</b>	
What is the life of the mechanical equipment?	The expected life of rotating equipment is 25 years, depending upon grit, etc. Some mechanical components from the Lions Gate Wastewater Treatment Plant remain from the original plant, which is over 50 years old.





## **Attendance**

**LGPAC Members:** Diana Sollner (Chair), Richard Hancock (Vice-Chair), Dan Bizzotto, John Jensen, Rene Kormos, Derek Lunden, Jan Timmer, Arlene King and Victor Elderton

**Metro Vancouver Staff:** Tina Chiu, Paul Dufault, Andrea Winkler and Tom Sadleir

**Acciona Team Members:** Richard Lyell, James Seery, Alysha Nesrallah (Lucent Quay), Kathy Kelsey, (Lucent Quay), Marion LaRue (Dialog), Donna Clare (Dialog)

**Process Facilitator:** John Forsdick, (Context Research)

**Recording Secretary:** Kelsey Guenette (Raincoast Ventures Ltd.)