

To: Utilities Committee

From: Fred Nenninger, Project Manager, Wastewater Secondary Treatment Upgrades

Date: May 23, 2013 Meeting Date: June 6, 2013

Subject: **Lions Gate Secondary Wastewater Treatment Plant – Quarterly Report**

RECOMMENDATION

That the Board receive for information the report titled *Lions Gate Secondary Wastewater Treatment Plant – Quarterly Report* dated May 23, 2013.

PURPOSE

To update the Board on the work underway to complete the Project Definition Phase for the Lions Gate Secondary Wastewater Treatment Plant (LGSWWTP) upgrade.

BACKGROUND

In accordance with the Integrated Liquid Waste and Resource Management Plan approved by the BC Minister of Environment in 2011, the Lions Gate plant requires upgrading to secondary treatment by 2020. The Board authorized funds in the 2011 budget to proceed with the initial work, including the Project Definition Phase.

DISCUSSION**Technical Work**

The first of three workshop style special meetings was held with the Utilities Committee on April 10th. For that meeting an invitation was extended to members of the Intergovernmental and Administration Committee. Topics that were presented and reviewed with the committee included an overview of the goals, approach and integrative design process; a synopsis of the three build scenarios developed by the technical team for the comparison of alternatives; the requirements for conveyance of flows between the existing plant location and outfall and the new plant site; the technologies, levels of treatment and integrated resource recovery opportunities being considered for the project; the financial aspects and overview of the recently announced new Building Canada Plan; an overview of the options available for the procurement of design and construction including the potential of a public private partnership; and an update on the status of the community engagement work.

The technical team is now completing the business casing analysis comparing the options, concepts and their trade-offs that were captured in the three project build scenarios presented in April. The team completed Integrated Design Process (IDP) Workshop #5 in late April. Through the business casing work an indicative design will be formulated. This work will be reviewed with the Utilities Committee in the second of three Committee workshops currently being scheduled for June. Input from other stakeholders will help formulate the best indicative design that fully scopes this project.

Financial Status

	Budget Approved to Date	Project Definition Phase Initial Budget	Expenditure to Date	Committed to Date	Projected Cost
As of March 31, 2013	\$20,000,000	\$8,000,000	\$3,183,284	\$5,197,234	\$8,000,000

Funding

Metro Vancouver met with Member of Parliament John Weston (West Vancouver-Sunshine Coast-Sea to Sky Country) on May 15th to update him on progress on plans to upgrade the Lions Gate WWTP.

The outcome of that meeting was a suggestion by Mr. Weston that a second meeting be secured with the two MPs, four MLAs and three Mayors from the North Shore to discuss the Lions Gate project and follow-up on the federal government's March announcement of Economic Action Plan 2013. Metro Vancouver staff will begin scheduling that meeting in the summer/early fall, once the Legislature in Victoria has been recalled.

Metro Vancouver staff will also be scheduling meetings with senior Ministerial staff and appropriate Cabinet Ministers following the May 14th provincial election once Cabinet has been announced and sworn in.

Lastly, Metro Vancouver is also pursuing a meeting with the new Chair of the BC/Yukon Conservative Caucus, MP Mark Strahl (Chilliwack), to update him on plans for the new Lions Gate plant and Metro Vancouver's keen interest in securing financial support for the project.

Engagement and Consultation Program

Metro Vancouver is providing information and opportunities for input to all potentially affected residents and organizations within member municipalities with a particular focus on the Districts of North and West Vancouver (DNV and DWV) and the City of North Vancouver (CNV).

General Public

A public meeting was held April 24 to provide information to the wider public, and to obtain feedback from the community on the project and the build scenarios. The Utilities Committee Chair gave opening and closing remarks for the meeting which included an open house, presentation, a question and answer period and public input on key questions via electronic key pads. Approximately ninety (90) people attended the meeting, and key issues raised included: energy recovery (e.g. combustion on-site, trucking of solid waste to/from site); operational impacts (e.g. odour control, noise from construction and ongoing plant activity); potential partnerships (e.g. First Nations involvement, outfall location, P3 model); plant design (e.g. visual impacts on adjacent businesses, sea-level rise, on-site land development, futureproofing); and the decision-making process. Notification of the public meeting was provided through website postings (Metro Vancouver, DNV, CNV and DWV), newspaper advertising, project databases and flyers to the surrounding residences and businesses.

Key Engagement Activities

Lions Gate Public Advisory Committee

Members of the Lions Gate Public Advisory Committee (LGPAC) will be invited to participate in a two-day study tour of wastewater treatment plants in Washington state in June, along with members of the Utilities Committee and North Shore municipal staff. The LGPAC will be holding at least two meetings prior to the fall as part of their ongoing input to the IDP process.

Norgate Community

Members of the Norgate community were notified of, and attended, the public meeting on April 24.

Additional community meeting opportunities with Norgate residents will be established to provide ongoing engagement. Another meeting will be held with the businesses in Norgate and the surrounding area to provide detailed project information, and further opportunity for their input.

Additional Workshops

A workshop for the Lions Gate Public Advisory Committee (LGPAC) and Community Resource Forum (CRF) held on March 27 provided an opportunity for participants to learn about and discuss issues related to project procurement and integrated resource recovery.

The LGPAC and CRF attended a Community Workshop on April 18 which provided participants with a project update, an overview of the evaluation process used to develop the three build scenarios, and an opportunity for input. A further workshop on the decision-making process is planned for early June for the LGPAC and CRF to participate in the evaluation process of the build scenarios. Following the Utilities Committee review, a Community Workshop will be held in late June/early July to seek input into the recommended design concept.

Metro Vancouver Members

Opportunities for input and presentations to representatives of member municipalities will continue through Metro Vancouver advisory committees, and Mayors and Councils. Several presentations were made to provide an update on the IDP process and to receive input on procurement models and the three build scenarios: the Regional Engineers Advisory Committee (April 5); the Utilities and Intergovernmental and Administration Committees (April 10); the North Shore Mayors and Councils (April 17); and the Council of Councils (April 20). A second series of workshops and presentations is being planned for late June/July to bring forward the results of the business casing analysis.

Lions Gate Intergovernmental Advisory Committee

The Lions Gate Intergovernmental Advisory Committee (LGIAC) now has representation from senior staff of the North Shore municipalities, Federal and Provincial agencies and the Squamish Nation. The Tsleil-Waututh Nation has accepted our invitation and attended their first meeting on May 10, 2013. A presentation was made to the LGIAC on Apr 3rd, and LGIAC was also invited to a session of IDP workshop #5 in late April.

First Nations

Letters were sent to the 31 First Nations, Tribal Councils and Treaty Groups/ Associations that have traditional territories that lie within, overlap with, or have shared interests within the

project area, advising them of the project milestones and engagement opportunities. Engagement meetings on specific areas of mutual interest are being planned with Squamish Nation, Tsleil-Waututh Nation and the Musqueam Indian Band.

Provincial and Federal Government Agencies

Government agencies will be notified of the consultation process, and given opportunities to participate, including their current involvement in the LGIAC. Staff continue to have regular meetings with the Ministry of Environment and will also be making a presentation to the Metro Vancouver Environmental Monitoring Committee (EMC). Members of the EMC include representation from the Ministry of Environment, Ministry of Agriculture, Vancouver Coastal Health Authority and Port Metro Vancouver.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

The LGSWWTP project is proceeding according to budget and schedule.

SUMMARY / CONCLUSION

The technical work for the Lions Gate Secondary Treatment Plant project has now progressed to the business casing analysis comparing the options and concepts that were captured in the three project build scenarios presented in April. This work will be reviewed by the Utilities Committee in the second of three planned workshops currently being scheduled for June.

This report provides an update on the engagement and consultation activities recently completed and in progress for the Project Definition Phase of the LGWWTP project. Meetings and workshops will continued through 2013 with the LGPAC, CRF and members of the local community and area businesses. The program is being carried out in collaboration with the North Shore municipalities, providing residents, First Nations and those with a specific interest in the project with continued opportunities for input.

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