

For Metro Vancouver meetings on Friday, June 14, 2013

Please note these are not the official minutes. Board in Brief is an informal summary. Material relating to any of the following items is available on request from Metro Vancouver.

For more information, please contact:

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Greater Vancouver Regional District - Parks**License Agreement for Fish Habitat Construction within Surrey
Bend Regional Park****APPROVED**

Staff sought authorization to enter into a license agreement with Transportation Investment Corporation (TI Corp) for construction and monitoring of fish habitat channels in Surrey Bend Regional Park.

TI Corp is a provincial crown corporation established to deliver and operate the Port Mann-Highway 1 Project.

Metro Vancouver, City of Surrey and TI Corp staff developed a design for fish channels which will be integrated with planned park improvements like trails, park access and a picnic area. The fish habitat compensation project will remove barriers to fish, widen existing tidal channels and create new channels. The \$2 million project will be entirely paid for by TI Corp, to compensate for highway construction impacts elsewhere.

The Board authorized staff to enter into the license agreement with TI Corp.

Greater Vancouver Regional District**Delegations - Air Quality Impacts of New and Expanded Coal
Shipment Activity in Metro Vancouver****RECEIVED**

Following is a list of persons who spoke to the Board:

Robin Sylvester, Port Metro Vancouver

Eoin Madden, Wilderness Committee

Laura Benson, Dogwood Initiative

Kimberley Wong and Sam Harrison, Kids for Climate Action

Tim Takaro, Faculty of Health Sciences, Simon Fraser University

Jeff Scott, Fraser Surrey Docks

Chuck Puchmayr, Councillor, City of New Westminster

Andrew Murray, New Westminster Environmental Partners
Greg Vurdela, BC Maritime Employers Association
Alan Fryer, Coal Alliance
Bob Campbell, Surrey resident
Chris Verbeek International Longshore & Warehouse Union, Local 502
Karla Dawn Graf, Triton Environmental Consultants
Terry Finn, BNSF Railway
Lynne Quarmby, Department of Molecular Biology and Biochemistry, Simon Fraser University
Mark Gordienko, International Longshore & Warehouse Union Canada
Kevin Washbrook, Voters Taking Action on Climate Change
Kathryn Harrison, Department of Political Science, University of B.C.
Ron Sander, Neptune Terminals
Tom Watson, Fraser Surrey Docks consultant
Deborah Jones, Cougar Creek Streamkeepers
Erik Seiz, Crescent Beach Property Owners Association
Donald Gordon
Alejandro Frid, Bowen Island resident
Bob Wilds and Brad Eshleman, BC Wharf Operators' Association
Paul Magnus, Richmond resident
William Winder, Vancouver resident
Rabbi David Mivasair
Brad Hornick
Chris Koscher, air quality consultant, Fraser Surrey Docks
Judy Williams, Fraser River Coalition
David Crook, Westshore Terminals
Peter Nix
Capt. Phillip J. Nelson, Council of Marine Carriers
Kate Gordanier Smith, Burnaby resident
Barbara Taylor
Mary Taitt, Boundary Bay Conservation Committee
Grant Rice
Eliza Olson, Burns Bog Conservation Society
James Crosty, Quayside Community Board
Anita Huberman, Surrey Board of Trade
Scott Lunny, United Steelworkers District 3

Air Quality Impacts of New and Expanded Coal Shipment Activity in Metro Vancouver

APPROVED

Staff has obtained additional information from Port Metro Vancouver about the potential air quality impacts from new or expanded coal shipment activity at Neptune Terminals and Fraser Surrey Docks.

According to these assessments, changes to these facilities will result in comparatively small impacts in the overall airshed, and with the implementation of other actions by Metro Vancouver and Port Metro Vancouver, and international regulations regarding marine vessels,

it is projected that there will be a net improvement for some pollutants. However, localized impacts due to particulate emissions which arise during coal transport, storage and handling are a concern, as well as exhaust emissions from additional rail and marine vessel activity.

Metro Vancouver has the authority to control air emissions from the Neptune Terminals and Fraser Surrey Docks facilities. Input from Port Metro Vancouver, the two regional health authorities, municipalities and the public will be considered in the adjudication of permit and permit amendment applications.

- 1) That the Board write to Port Metro Vancouver to:
 - a. request detailed information on their review processes for permit applications for expanded and new coal handling infrastructure at Neptune Terminals and Fraser Surrey Docks respectively, and request a formalized procedure in the referral of project review processes between Port Metro Vancouver and Metro Vancouver;
 - b. advise of its support for the inclusion of health impact assessment in the review of expanded and new coal handling infrastructure, as suggested by the Vancouver Coastal Health and Fraser Health authorities; and
 - c. express opposition to coal shipments from the Fraser River Estuary, other than the existing Roberts Bank coal port.
- 2) That the Board request Port Metro Vancouver, Transport Canada and Environment Canada require the necessary mitigation measures and monitoring to address emission sources that are not within the jurisdiction of Metro Vancouver.

Greater Vancouver Water District

Point Roberts Water Supply Agreement

APPROVED

Point Roberts is a United States community, south of Delta, that is cut off from the rest of continental U.S. by the Canada-U.S. border. Its full-time residential population is 1,300 but increases to over 4,500 during the summer months. The Point Roberts Water District No. 4 (PRWD) currently provides water service to about 2,050 connections, including over 1,800 residential connections.

In a letter received March 20, 2013, the PRWD requested that the Water District amend the water pricing terms of the 1987 PRWD Water Supply Agreement to reflect a per-volume-used pricing method.

There is no provision in the agreement that enables an amendment to the pricing structure for water supply. Staff recommended maintaining the existing rate structure in the water supply agreement.

The GVWD Board advised the PRWD Board of Commissioners that in accordance with Article 5.(1) of the 1987 Water Supply Agreement between Point Roberts Water District No. 4 and the Greater Vancouver Water District, the rate structure for water supply to the PRWD shall be maintained based on the GVWD rate charged to its members multiplied by 3,182.2 M3D

whether or not the PRWD utilizes the full amount of 3,182.2 M3D.

GVWD Water Rates for Members and Non-Members Policy**APPROVED**

The Water District provides water on a wholesale basis to its members, who pay the same water rate (dollars per cubic metre) for the volume of water they consume. Upon joining the GVWD, members pay upfront servicing fees associated with expanding capacity to meet the demand of the new member.

Due to unique circumstances and areas transitioning to becoming members, the GVWD also provides relatively small volumes of water to a limited number of non-members. Non-members, without an agreement, have not paid up-front costs to connect to the GVWD and do not have the liabilities, obligations, or commitments of members.

Since 1930, the GVWD's policy has been to charge all non-members, without a water supply agreement, a surcharge on the GVWD member rate. In 1949, the GVWD established a surcharge of 20% to non-members. This surcharge represented the additional financial risks that are borne by GVWD members with respect to legal liabilities, obligations, upfront costs of membership and member commitments.

At the April, June and November 2012 meetings of the Electoral Area Committee, questions were raised about the rationale for applying a 20% surcharge on water rates to GVWD non-members including the University Endowment Lands (UEL).

The Board endorsed a policy, entitled GVWD Water Rates for Members and Non-Members Policy, which maintains the current 20% surcharge for the supply of water to GVWD non-members who do not have a separate water supply agreement.

Drinking Water Quality with Sockeye Salmon Introduction in Coquitlam Reservoir**APPROVED**

In 2005, BC Hydro established the Kwikwetlem Salmon Restoration Program to investigate the feasibility of reintroducing sockeye salmon into the Coquitlam Reservoir. In response to this initiative, in 2007, the GVWD Board approved retention of an expert panel, consisting of water quality and public health engineers, to assess the ecological and public health risks associated with the re-introduction of sockeye salmon into the Coquitlam Reservoir.

Metro Vancouver's expert panel has concluded that 15,000 +/- 5000 returning adult sockeye salmon introduced to the Coquitlam Reservoir would not alter Coquitlam Reservoir's drinking water quality.

The Board received a October, 2012 expert panel and directed staff to:

- a) Distribute the report to the appropriate federal and provincial agencies; and
- b) Continue working with Kwikwetlem First Nation and BC Hydro on the potential for reintroducing sockeye salmon into the Coquitlam Reservoir in a manner consistent with protection of the drinking water supply.

Greater Vancouver Sewerage and Drainage District

Lions Gate Secondary Wastewater Treatment Plant – Quarterly Report

RECEIVED

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

The technical work for the Lions Gate Secondary Wastewater Treatment Plant (LGSWWTP) 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.

A staff report provides an update on the engagement and consultation activities recently completed and in progress for the Project Definition Phase of the LGSWWTP project.

Meetings and workshops will continue through 2013 with the Lions Gate Public Advisory Committee, Community Resource Forum 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.

The Board received the report for information.

2012 Quality Control Annual Report for GVS&DD

RECEIVED

The report concludes that Metro Vancouver's wastewater treatment plants are providing ongoing benefits through the reduction of contaminants in the effluent, and are operating with no adverse affects on the environment.

The Board received the report for information.

Waste Flow Management Update

RECEIVED

A few companies are currently delivering some residential and institutional, commercial, and light industrial (ICI) waste to disposal facilities other than regional facilities (Metro Vancouver and City of Vancouver transfer stations and disposal facilities).

If action is not taken, and some commercial haulers continue to bypass regional facilities, it is likely that the region will not be able to achieve the waste diversion targets in the Board and B.C. Environment Ministry approved Integrated Solid Waste and Resource Management Plan. Control over tipping fees, disposal bans and material prohibitions are critical tools to reduce waste and ensure recyclable materials are diverted from disposal.

Metro Vancouver has engaged extensively with industry and other stakeholders in the development of waste flow management options to create a level playing field for participants, to ensure a cost effective and equitable solid waste management system, to support waste diversion commitments and to promote private sector innovation and economic opportunities.

Development of new waste-to-energy capacity will be subject to its own engagement and consultation program with stakeholders and the public, including the Fraser Valley Regional District.

The Board received the report for information.

Review of Mixed Waste Material Recovery Facilities

APPROVED

Staff from Metro Vancouver and the City of Vancouver visited Mixed Waste Material Recovery Facilities (MWMRFs) in California in late April 2013 to examine their governance, operation, and performance.

A key finding was that these facilities cost a lot and don't recover very many recyclables. Facilitating the development of private sector MWMRFs in Metro Vancouver would be inconsistent with the Integrated Solid Waste and Resource Management Plan and would disadvantage local recyclers that depend on source-separated materials.

The Board received the report for information and directed staff to:

- provide an analysis of the viability of mixed waste material recovery facilities as part of the system while ensuring source separation of municipal solid waste;
- provide an overview of waste diversion plans relating to the multi-family sector and ICI sector; and
- comment on the financial impacts of possible approaches.

Waste-To-Energy Facility Environmental Monitoring and Reporting, 2012 Update

RECEIVED

Since Metro Vancouver's existing Waste to Energy Facility (WTEF) operations began in 1988, the regional district has worked to reduce emissions through assessment and improvement of operations, plant infrastructure, and environmental controls. In addition to satisfying regulatory requirements, environmental monitoring provides the regional district with valuable data to assess both existing plant operations and potential capital improvements.

A staff report provides an overview of emissions and testing results for the Burnaby WTEF, along with historic environmental monitoring information. The WTEF continues to operate in compliance with all regulations and with a focus on continued environmental and operational improvement.

The Board received the report for information.

New WTE Capacity Project – RFQ1 for Technology Only – Shortlisted Technology Vendors

RECEIVED

A report provides an update on the new Waste to Energy (WTE) capacity development process and a shortlist vendors qualified to participate in subsequent phases of the process.

With the release of the first round of Request for Qualifications (RFQ1) in November 2012 project staff initiated a multi-stage process to develop new WTE capacity. At the direction of the Board, a staff engaged a Third Party Expert Panel and a Fairness Advisor to prevent bias with respect to technology and to guarantee the overall objectivity and comprehensiveness of the procurement process.

Metro Vancouver received twenty-two responses to RFQ1. To be shortlisted for participation in subsequent stages of procurement, responses had to meet five minimum requirements and score at least 60 points of out 100 points on a number of technical and sustainability criteria. The 10 shortlisted respondents are: AECOM, Aquilini, Covanta Gasification, Covanta Mass Burn, Energy Answers, Lehigh, Mustang JFE, Plenary Option 1, Termomeccanica, and Wheelabrator.

The 10 shortlisted respondents have proposed a variety of technologies, including mass burn, gasification, anaerobic digestion and refuse-derived fuel for combustion in a cement kiln. The respondents will be notified by letter that they are shortlisted to participate in subsequent stages of procurement, including instructions for participating in the Potential Site Identification process and rules of engagement for communication with government employees and elected officials.

The Board received the report for information.

Correspondence pertaining to Waste Flow Management

RECEIVED

Twelve letters and one report about Waste Flow Management were provided by:

1. C. Victor Hall, Per ecoTECH Waste Management Systems Group of Companies, Chief Executive Officer
2. Gordon Harris, President and CEO, SFU Community Trust, UniverCity
3. John D. Wiebe, President and CEO, Globe Foundation
4. Greg D'Avignon, President and Chief Executive Officer, Business Council of BC
5. Eugene Hodgson, VP, Western Canada, Corpfinance International Ltd.
6. Patricia Heintzman, Squamish-Lillooet Regional District Board Chair
7. Steve Bryan, Chair, Metro Vancouver Committee, (WMABC) Waste Management Association of British Columbia
8. Philip Hochstein, President, (ICBA) Independent Contractors and Businesses Association of British Columbia
9. Robert Weatherbe (Director) and Louise Schwarz (Director), Recycling Alternative
10. Nicole Stefenelli, CEO, Urban Impact Recycling on behalf of Recycle First Coalition
11. Urban Impact
12. Emterra Environmental

13. WMABC – Waste Management Association of BC report
The Board received the report for information.