AGENDA

1. ADOPTION OF THE AGENDA

1.1 February 11, 2016 Regular Meeting Agenda
That the Zero Waste Committee adopt the agenda for its regular meeting scheduled for February 11, 2016 as circulated.

2. ADOPTION OF THE MINUTES

2.1 November 12, 2015 Regular Meeting Minutes
That the Zero Waste Committee adopt the minutes of its regular meeting held November 12, 2015 as circulated.

3. DELEGATIONS

4. INVITED PRESENTATIONS

5. REPORTS FROM COMMITTEE OR STAFF

5.1 2016 Zero Waste Committee Priorities and Work Plan
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
That the Zero Waste Committee endorse the work plan contained in the report dated February 1, 2016 titled, “2016 Zero Waste Committee Priorities and Work Plan”.

5.2 Award of the Non-Ferrous Metal Recovery Project at the Metro Vancouver Waste-to-Energy Facility
Designated Speaker: Chris Allan, Lead Senior Engineer, Solid Waste Services
That the GVS&DD Board:
   a) award construction of the Non-Ferrous Metal Recovery Project at the Metro Vancouver Waste-to-Energy Facility to Covanta Burnaby Renewable Energy, ULC in the amount of $6,130,153 (inclusive of PST but exclusive of GST), under the terms and conditions of existing Contract 98106; and

1 Note: Recommendation is shown under each item, where applicable.

February 3, 2016

ZWC - 1
b) direct the Commissioner and Corporate Officer to execute the contract.

5.3 **Contingency Landfill Disposal**  
*Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*  
That the GVS&DD Board:  
   a) approve initiating a procurement process for contingency landfill disposal for a minimum of 50,000 tonnes per year of waste for seven years with an option to renew for an additional two years; and  
   b) approve the evaluation criteria and weighting for the RFP for contingency landfill disposal of: Experience and Reputation (30%); Technical (30%); Financial and Commercial (40%).

5.4 **Vancouver Landfill: Metro Vancouver – Vancouver – Delta Tri-Partite Agreement Overview**  
*Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*  

5.5 **Manager’s Report**  
*Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*  
That the Zero Waste Committee receive the report dated February 2, 2016 titled, “Manager’s Report” for information.

6. **INFORMATION ITEMS**

6.1 Letter dated November 23, 2015 addressed to Chair Moore from Mayor Brodie, City of Richmond re: Odour Management for Solid Waste Facilities

7. **OTHER BUSINESS**

8. **BUSINESS ARISING FROM DELEGATIONS**

9. **RESOLUTION TO CLOSE MEETING**  
*Note: The Committee must state by resolution the basis under section 90 of the Community Charter on which the meeting is being closed. If a member wishes to add an item, the basis must be included below.*  
“90 (1) A part of a meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:  
   (g) litigation or potential litigation affecting the regional district; and  
   (i) the receipt of advice that is subject to solicitor-client privilege, including communications necessary for that purpose”.
10. **ADJOURNMENT/CONCLUSION**

That the Zero Waste Committee adjourn/conclude its regular meeting of February 11, 2016.

Membership:

<table>
<thead>
<tr>
<th>Member Name</th>
<th>District/Position</th>
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<tr>
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<td>Schaffer, Ted</td>
<td>Langley City</td>
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<td>Washington, Dean</td>
<td>Port Coquitlam</td>
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GREATER VANCOUVER REGIONAL DISTRICT
ZERO WASTE COMMITTEE

Minutes of the Regular Meeting of the Greater Vancouver Regional District (GVRD) Zero Waste Committee held at 1:01 p.m. on Thursday, November 12, 2015 in the 2nd Floor Boardroom, 4330 Kingsway, Burnaby, British Columbia.

MEMBERS PRESENT:
Chair, Mayor Malcolm Brodie, Richmond
Vice Chair, Mayor Derek Corrigan, Burnaby
Mayor Wayne Baldwin, White Rock
Councillor Roger Bassam, North Vancouver District
Mayor Jonathan Coté, New Westminster
Councillor Nora Gambioli, West Vancouver
Councillor Bruce Hayne, Surrey
Councillor Bob Long, Langley Township (arrived at 1:02 p.m.)
Councillor Andrea Reimer, Vancouver (arrived at 1:29 p.m.)
Mayor Ted Schaffer, Langley City

MEMBERS ABSENT:
Councillor Craig Hodge, Coquitlam
Mayor Lois Jackson, Delta
Councillor Dean Washington, Port Coquitlam

STAFF PRESENT:
Paul Henderson, General Manager, Solid Waste Services
Carol Mason, Commissioner/Chief Administrative Officer
Deanna Manojlovic, Assistant to Regional Committees, Board and Information Services, Legal and Legislative Services

1. ADOPTION OF THE AGENDA

1.1 Zero Waste Committee Regular Meeting Agenda

It was MOVED and SECONDED
That the Zero Waste Committee:
  a) amend the agenda for its regular meeting scheduled for November 12, 2015 by varying the order of the agenda to consider Item 5.6 prior to Item 5.1; and
  b) adopt the agenda as amended.

CARRIED
1:02 p.m. Councillor Long arrived at the meeting.

2. **ADOPTION OF THE MINUTES**

   2.1 **Zero Waste Committee Regular Meeting Minutes**

   **It was MOVED and SECONDED**
   That the Zero Waste Committee adopt the minutes of its regular meeting held October 8, 2015 as circulated.

   **CARRIED**

3. **DELEGATIONS**

   No items presented.

4. **INVITED PRESENTATIONS**

   No items presented.

**Agenda Varied**

Pursuant to Item 1.1, the order of the agenda was varied to consider Item 5.6 at this point.

5. **REPORTS FROM COMMITTEE OR STAFF**

   5.6 **Metro Vancouver Support for National Zero Waste Council Federal Tax Incentive to Reduce Edible Food Waste**

   Report dated November 3, 2015 from Heather Schoemaker, Senior Director, External Relations, seeking consideration of a resolution to be forwarded to the Government of Canada that supports the implementation of a federal tax incentive for organizations that participate in the donation of safe, healthy, edible food products.

   Members noted receipt of correspondence from Mr. Brent Mansfield, Director, BC Food Systems Network, expressing concerns about the resolution in support of the National Zero Waste Council tax incentive proposal.

   Members offered comments about the tax incentive proposal as an effective measure in reducing food waste but not a panacea to the issue of food insecurity.

   Upon request of the members, correspondence dated November 12, 2015 from Mr. Brent Mansfield, Director, BC Food Systems Network, addressed to the Zero Waste Committee members is retained with the November 12, 2015 Zero Waste Committee agenda.
It was MOVED and SECONDED
That the GVRD Board:
   a) support the National Zero Waste Council’s food waste reduction federal tax incentive proposal and request the Government of Canada to implement tax incentives for food producers, suppliers and retailers to donate unsold edible food, thereby reducing the environmental impact of food waste;
   b) forward this resolution to the Federation of Canadian Municipalities (FCM), requesting that FCM request the Government of Canada to implement tax incentives for food producers, suppliers and retailers to donate unsold edible food and that this resolution be considered at FCM’s upcoming Annual General Meeting; and
   c) forward this resolution to the appropriate Federal Minister(s).
   CARRIED

Agenda Order Resumed
The order of the agenda resumed with Item 5.1.

5.1 Transfer Station Operation and Maintenance Services Procurement
Report dated November 3, 2015 from Paul Henderson, General Manager, Solid Waste Services, updating on the procurement process for transfer station operations and seeking Board approval of the evaluation criteria and weighting for the transfer station Requests for Proposals.

Discussion ensued on the criteria for evaluating proposals, length of contract and 2017 proposed transfer station operating hours.

The Committee members agreed to defer further discussion of this item until later in the meeting.


1:29 p.m. Councillor Reimer arrived at the meeting.

It was MOVED and SECONDED
   CARRIED
5.3 Update on Waste-to-Energy Facility Operational Certificate Progress

It was MOVED and SECONDED
CARRIED

5.4 Status of Sewerage and Drainage District (Solid Waste) Capital Expenditures to August 31, 2015
Report dated October 27, 2015 from Paul Remillard, Director, Solid Waste Operations, Solid Waste Services, updating on the status of utilities capital expenditures for the Sewerage and Drainage District (Solid Waste) and providing a comparison between the total project budgets and total projected expenditures to project completion.

It was MOVED and SECONDED
CARRIED

5.5 2015 Christmas Campaign – Create Memories, Not Garbage

Members were provided with a presentation on the 2015 Christmas campaign in support of the zero waste objectives, highlighting the campaign timeframe, themes, performance measurement and artwork resources.

Members suggested that future campaigns could include information on reducing the use of wrapping paper and how to dispose of it properly.

Presentation titled “2015 Christmas Campaign ‘Create memories, not garbage’” is retained with the November 12, 2015 Zero Waste Committee agenda.

It was MOVED and SECONDED
That the GVRD Board receive the report dated November 2, 2015 titled, “2015 Christmas Campaign – Create Memories, Not Garbage” for information.
CARRIED
5.6 Metro Vancouver Support for National Zero Waste Council Federal Tax Incentive to Reduce Edible Food Waste
This item was previously considered.

5.7 Solid Waste Management Planning Guideline Update
Report dated November 3, 2015 from Marcel Pitre, Division Manager, Solid Waste Services, informing about the Ministry of Environment’s process in updating the Solid Waste Management Planning Guideline, and seeking review of Metro Vancouver’s comments (Attachment 1) on the Intentions Paper (Attachment 2) prior to them being submitted to the Ministry of Environment by their deadline of November 15, 2015.

It was MOVED and SECONDED
That the GVS&DD Board receive for information Metro Vancouver’s comments on the BC Ministry of Environment’s Solid Waste Management Planning Guideline - Intentions Paper for submission to the Ministry of Environment.

CARRIED

5.8 Manager’s Report

It was MOVED and SECONDED

CARRIED

6. INFORMATION ITEMS
No items presented.

7. OTHER BUSINESS
No items presented.

8. BUSINESS ARISING FROM DELEGATIONS
No items presented.

9. RESOLUTION TO CLOSE MEETING

It was MOVED and SECONDED
That the Zero Waste Committee close its regular meeting scheduled for November 12, 2015 pursuant to the Community Charter provisions, Sections 90 (1) (e), (i) and (j) as follows:
“90 (1)  A part of a meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:
(e) the acquisition, disposition or expropriation of land or improvements, if the board or committee considers that disclosure could reasonably be expected to harm the interests of the regional district;
(i) the receipt of advice that is subject to solicitor-client privilege, including communications necessary for that purpose; and
(j) information that is prohibited, or information that if it were presented in a document would be prohibited from disclosure under section 21 of the Freedom of Information and Protection of Privacy Act”.

CARRIED

ADJOURNMENT
The Zero Waste Committee adjourned its regular meeting of November 12, 2015 at 2:02 p.m.

RECONVENE
The Zero Waste Committee reconvened its regular meeting of November 12, 2015 at 3:17 p.m. with the same members present.

5.1 Transfer Station Operation and Maintenance Services Procurement (Continued)
Members discussed the criteria for evaluating responses to the request for proposal for the operation and maintenance of transfer stations.

It was MOVED and SECONDED
That the GVS&DD Board approve the evaluation criteria and weighting for the following transfer station operations Requests for Proposals: Surrey and North Shore Transfer Stations: Experience and Reputation (30%); Technical (30%); Financial and Commercial (40%); and Langley and Maple Ridge Transfer Stations: Qualifications (30%); Technical (30%); Financial and Commercial (40%).

CARRIED

10. ADJOURNMENT/CONCLUSION

It was MOVED and SECONDED
That the Zero Waste Committee conclude its regular meeting of November 12, 2015.

CARRIED
(Time: 3:18 p.m.)

____________________________   ____________________________
Deanna Manojlovic,      Malcolm Brodie, Chair
Assistant to Regional Committees

12239279 FINAL
To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: February 1, 2016  Meeting Date: February 11, 2016

Subject: 2016 Zero Waste Committee Priorities and Work Plan

RECOMMENDATION
That the Zero Waste Committee endorse the work plan contained in the report dated February 1, 2016 titled, “2016 Zero Waste Committee Priorities and Work Plan”.

PURPOSE
To provide the Zero Waste Committee with the priorities and work plan for the year 2016.

BACKGROUND
At its October 8, 2015 meeting, the Zero Waste Committee endorsed the 2016 Business Plans and Budget for the Solid Waste function, which served as the basis for the 2016 Budget approved by the GVS&DD Board on October 30, 2015. The 2016 Business Plan included a list of key actions that has been used to develop the Zero Waste Committee’s work plan presented in this report.

At its October 8, 2015 meeting, the Zero Waste Committee resolved the following:

That the Zero Waste Committee direct staff to make planning for waste diversion a priority in the Solid Waste Services 2016 work plan with a goal of better aligning programs to diversion performance objectives for 2017.

The work plan presented in this report is consistent with the Zero Waste Committee’s terms of reference and with the Board Strategic Plan.

2016 WORK PLAN
The Zero Waste Committee is the standing committee of the Metro Vancouver Board that provides advice and recommendations on policies, bylaws, plans, programs, budgets and issues related to the Solid Waste function.

Key actions in the 2016 work plan for the Committee are described below and listed according to the Committee responsibilities in its Terms of Reference, and were developed in consultation with member municipal staff:

Waste Diversion Priorities:

- Continue advocating for improved Extended Producer Responsibility (EPR) programs, especially for packaging and printed papers from public spaces, illegally dumped EPR materials, and bulky items.
- Improve enforcement, education, and effectiveness of disposal bans, particularly organics and clean wood, within limits of regional control over waste flows.
• Support municipalities to consider programs to increase multi-family/commercial recycling (where authority exists, and enforcement and education can be committed for multi-year implementation).
• Complete a regional review of factors (space, municipal zoning bylaws, etc.) constraining siting of private sector recycling activities, with participation of municipal staff.
• Conduct new research into markets/options for Construction & Demolition (C&D) materials.
• Identify sites/facilities for new regional C&D waste recycling capacity.
• Engage and consult with stakeholders in publishing diversion rates of licensed C&D waste facilities to increase recycling, and improve transparency for facility users.
• Use municipal procurement policies or incentives for increased use of recycled materials, if cost premiums are acceptable.
• Begin developing recycling contingencies for extraordinary events (e.g. market corrections, shutdowns of major facilities) and emerging issues, in conjunction with municipalities.
• Minimize illegal dumping through a strategy for behavioural change and community action.
• Provide dedicated recycling services at transfer stations only when requested and funded by communities served by the facility.
• With municipalities, develop best practices and standards for recycling depot operation.
• Research regional waste forecasting methodologies.
• Engage with industry and the public on new solid waste activities.
• Continue to collaborate with municipalities on emerging issues of concern related to the management of solid waste in the region.
• Update regional waste composition, and monitor waste flows and illegal dumping.
• Continue leading National Zero Waste Council opportunities to reduce generation of waste and enhance the circular economy.

On November 20, 2015, Metro Vancouver staff met with the REAC Solid Waste sub-committee to discuss potential initiatives to ensure that the Zero Waste Committee’s work plan aligns with achieving the region’s waste diversion targets. Specific key initiatives identified in this meeting included:
• Enhance C&D waste recycling capacity
• Encourage municipal regulatory tools/programs to encourage diversion
• Expand EPR programs specifically targeting materials that are illegally dumped and public space recycling opportunities
• Develop recycling contingencies for extraordinary events

These items are specifically included in the Zero Waste Committee Work Plan with details and funding requirements reported back to the Committee as necessary.

Facility Development Priorities:
• Develop the Surrey Residential Drop-Off Facility funding and operation agreement.
• Continue to work with tri-cities municipalities for replacement of Coquitlam Transfer Station (extended lease, preparations for interim and new facility on Coquitlam Landfill).
• Report back on options on the development of waste-to-energy to meet the goals and objectives of the Integrated Solid Waste and Resource Management Plan

Facility Operations Priorities:
• Complete competitive selection for Operation & Maintenance of the Transfer Station system.
• Commence construction of the North Shore Transfer Station reconfiguration.
• Procure fly ash and contingency landfill disposal capacity.
• Commence implementation of the Operational Certificate requirements for the Waste-to-Energy Facility, following approval by the province.
• Commence construction of non-ferrous metal recovery from bottom ash at the Waste-to-Energy Facility.
• Commence upgrades to the Continuous Emission Monitoring System and Gas Burner at the Waste-to-Energy Facility.
• Following approval from the Ministry of Environment, commence implementing the Coquitlam Landfill Closure Plan requirements.
• Transition from current transfer station/disposal contracts to new contracts.
• Review recommendations for approved closure plans for landfill sites.

The 2016 work plan for the Zero Waste Committee is attached, including the expected time frame for reports to this Committee. The Committee will be updated on the status of the actions and projects in this work plan per the Committee’s schedule.

ALTERNATIVES
1. That the Zero Waste Committee endorse the work plan contained in the report dated February 1, 2016 titled, “2016 Zero Waste Committee Priorities and Work Plan”.

2. That the Zero Waste Committee receive the report dated February 1, 2016 titled, “2016 Zero Waste Committee Priorities and Work Plan” for information and provide alternate direction to staff.

FINANCIAL IMPLICATIONS
The priorities in the 2016 work plan of the Zero Waste Committee are consistent with the 2016 Budget approved by the GVS&DD Board on October 30, 2015 and with key actions included in the 2016 Business Plans.

SUMMARY / CONCLUSION
The work plan presented in this report conveys the priorities for the Zero Waste Committee in 2016 and is consistent with its terms of reference and the 2016 Budget approved by the GVS&DD Board. Staff recommends that Alternative 1 be adopted.

Attachment:
Attachment: Zero Waste Committee 2016 Work Plan
Zero Waste Committee 2016 Work Plan  
Report Date: February 1, 2016

### Priorities

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<td>North Shore Transfer Station Reconfiguration Update</td>
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<td>Coquitlam Wood Recycling Facility Operations Update</td>
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<td><strong>2nd Quarter</strong></td>
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<td>Solid Waste Communications Programs Update</td>
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<td>Recycling Contingencies for Extraordinary Events</td>
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To: Zero Waste Committee

From: Chris Allan, Lead Senior Engineer, Solid Waste Services

Date: February 3, 2016

Subject: Award of the Non-Ferrous Metal Recovery Project at the Metro Vancouver Waste-to-Energy Facility

RECOMMENDATION
That the GVS&DD Board:

a) award construction of the Non-Ferrous Metal Recovery Project at the Metro Vancouver Waste-to-Energy Facility to Covanta Burnaby Renewable Energy, ULC in the amount of $6,130,153 (inclusive of PST but exclusive of GST), under the terms and conditions of existing Contract 98106; and

b) direct the Commissioner and Corporate Officer to execute the contract.

PURPOSE
To seek Board approval to award construction of the Non-Ferrous Metal Recovery Project at the Metro Vancouver Waste-to-Energy Facility (WTEF) in the amount of $6,130,153 (inclusive of PST but exclusive of GST) to Covanta Burnaby Renewable Energy, ULC (Covanta).

BACKGROUND
Pursuant to the “Officers and Delegation Bylaw No. 247” and the Procurement and Real Property Contracting Authority Policy adopted by the Board on July 11, 2014 effective September 1, 2014, procurement contracts which exceed a value of $5,000,000 require the approval of the Board of Directors.

PROJECT DESCRIPTION
The goal of the Non-Ferrous Recovery Project is to increase the existing recovery of ferrous metal content from the bottom ash (e.g., iron and steel), and add the recovery of the non-ferrous metal component (e.g., aluminum, copper) which currently remains in the bottom ash.

It is expected that removal of these metals will generate a significant revenue stream, increase overall recycling at the WTEF, and improve the physical and chemical properties of the bottom ash for regulatory compliance and potential beneficial reuse opportunities.

Covanta has been identified as the best option to perform the work. During the upgrades, Covanta will continue to operate the facility in accordance with requirements in the Integrated Solid Waste and Resource Management Plan, and fulfill the obligations of the Electricity Purchase Agreement with B.C. Hydro (e.g., avoid liquidated damages). In addition, as Covanta is responsible for the operation and maintenance of the installed works, there is greater accountability if Covanta acts as general contractor during construction. To ensure a fair price for Metro Vancouver, Covanta will tender out the non-proprietary work and their markup for the work is specified in Contract 98106.

Covanta has submitted a not to exceed value of $6,130,153 for project construction.
**ALTERNATIVES**

1. That the GVS&DD Board:
   a) award construction of the Non-Ferrous Metal Recovery Project at the Metro Vancouver Waste-to-Energy Facility to Covanta Burnaby Renewable Energy, ULC in the amount of $6,130,153 (inclusive of PST but exclusive of GST), under the terms and conditions of existing Contract 98106; and
   b) direct the Commissioner and Corporate Officer to execute the contract.

2. That the GVS&DD Board direct staff not to proceed with the construction of the Non-Ferrous Metal Recovery Project at the Metro Vancouver Waste-to-Energy Facility at this time.

**FINANCIAL IMPLICATIONS**

If the GVS&DD Board approves Alternative 1, an award to proceed with construction will be given to Covanta in the amount of $6,130,153 (inclusive of PST but exclusive of GST), including $1,954,276 of US funds converted at a rate of 65 cents US per Canadian dollar, to complete this project. This exceeds the approved budget of $5,700,000 due to foreign exchange volatility of US sourced components which occurred during the procurement period. However, steps have been taken to mitigate further exposure exchange rate fluctuation through the contract period. As well, any budget overspends due to exchange rate differences can be offset from anticipated savings and underspends from other projects.

**SUMMARY / CONCLUSION**

Design is complete for the Non-Ferrous Metal Recovery Project at the Metro Vancouver Waste-to-Energy Facility (WTEF) and staff recommend awarding construction to Covanta Burnaby Renewable Energy, ULC in the amount of $6,130,153 (inclusive of PST but exclusive of GST), under the terms and conditions of existing Contract 98106.
To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: February 1, 2016  Meeting Date: February 11, 2016

Subject: Contingency Landfill Disposal

RECOMMENDATIONS
That the GVS&DD Board:

a) approve initiating a procurement process for contingency landfill disposal for a minimum of 50,000 tonnes per year of waste for seven years with an option to renew for an additional two years; and

b) approve the evaluation criteria and weighting for the RFP for contingency landfill disposal of: Experience and Reputation (30%); Technical (30%); Financial and Commercial (40%).

PURPOSE
The purpose of this report is to seek approval to initiate a procurement process for contingency landfill disposal and select criteria and weighting for evaluating proposals.

BACKGROUND
The Integrated Solid Waste and Resource Management Plan (ISWRMP), approved by the Province in 2011, contemplates the procurement of contingency landfill disposal capacity if required. A contract for contingency landfill capacity will provide Metro Vancouver with flexibility to dispose of waste volumes in excess of the disposal capacity of the Metro Vancouver/City of Vancouver system.

CONTINGENCY LANDFILL DISPOSAL
For 2016, Metro Vancouver estimates approximately 800,000 tonnes of residential and commercial/institutional waste from the regional system will require disposal. That waste is expected to be distributed approximately as follows:

- Waste-to-Energy Facility: 270,000 tonnes
- Vancouver Landfill: 400,000 tonnes
- Cache Creek Landfill: 130,000 tonnes

With the expiry of the Comprehensive Agreement with Wastech at the end of 2016, it is expected that over the next few years between 50,000 and 200,000 tonnes per year of disposal capacity will be required beyond the disposal capacity available at the Vancouver Landfill and the Waste-to-Energy Facility. Securing contingency landfill disposal will ensure that sufficient landfill capacity is available and will also reduce risks related to system interruptions. The contract minimum would be set at 50,000 tonnes of waste per year. This will assist potential proponents to plan for receipt of the material.

Separate procurement processes are underway to obtain new operating contracts for Metro Vancouver’s transfer stations. Contractors will begin operations of the transfer stations in January 2017. For the contingency landfill contract, operations are expected to commence in early-2017.
Municipal solid waste would be loaded into trucks/containers by the transfer station operations contractor and then hauled to disposal by the contingency landfill contractor.

**Contract Term**
A seven year contract with an option to renew for two years is proposed. Seven years will allow for the contractor to amortize transportation and other equipment required to undertake the contract. A one-year termination provision will be included in the contract to allow for flexibility in the event of changes in future waste quantities.

**Conflict of Interest**
The transfer station operations contracts will include conflict of interest provisions. The provisions require that neither the contractor nor its affiliates operate facilities that receive mixed municipal solid waste generated in Metro Vancouver except under contract with Metro Vancouver. A contractor or its affiliates that also operate waste hauling services must not deliver mixed municipal solid waste generated in Metro Vancouver to any facilities other than a Metro Vancouver/City of Vancouver facility. The provisions also require that the contractor or its affiliates do not act inconsistently with the ISWRMP. Similar provisions will be included in the contingency landfill request for proposals and in the subsequent contract.

**RFP Evaluation Criteria**
The evaluation criteria proposed for this RFP are the same as those used for the transfer station operations RFP: Experience and Reputation (30%); Technical (30%); Financial and Commercial (40%).

**ALTERNATIVES**
1. That the GVS&DD Board:
   a) approve initiating a procurement process for contingency landfill disposal for a minimum of 50,000 tonnes per year of waste for seven years with an option to renew for an additional two years; and
   b) approve the evaluation criteria and weighting for the RFP for contingency landfill disposal of: Experience and Reputation (30%); Technical (30%); Financial and Commercial (40%).

2. That the Zero Waste Committee receive the report dated February 1, 2016 titled, “Contingency Landfill Disposal” for information.

**FINANCIAL IMPLICATIONS**
If the Board approves Alternative 1, Metro Vancouver will initiate a procurement process for contingency landfill disposal. Contingency landfill contract costs would be partially offset by reduced disposal cost paid to the City of Vancouver for use of the Vancouver Landfill. In general, increased use of the Vancouver Landfill improves economies of scale for that facility thereby financially benefiting each of Metro Vancouver, the City of Vancouver and the Corporation of Delta. Contingency landfill waste flow will be set annually based on expected waste flows and the available capacity of the Vancouver Landfill and the Waste-to-Energy Facility. Metro Vancouver will continue to work with various stakeholders to implement measures to reduce the amount of waste generated and increase waste diversion with the goal of reducing waste quantities requiring disposal.

Consistent with Board policy, staff will report back to the Board for contract award approval in the third quarter of 2016.
SUMMARY / CONCLUSION
Securing contingency landfill disposal is contemplated in the ISWRMP. Contingency landfill disposal provides capacity for any waste that cannot be managed at the Waste-to-Energy Facility or the Vancouver Landfill, and will be required following expiry of the Wastech Comprehensive Agreement at the end of 2016. This report proposes initiating a procurement process for a minimum of 50,000 tonnes per year of waste, with an expected requirement of 50,000 to 200,000 tonnes per year. The proposed contract term is seven years with an option for a two year renewal. A one-year termination provision will be included in the contract to respond to changes in waste flow.

Proposed RFP criteria are the same as the RFP for Transfer Station Operations: Experience and Reputation (30%); Technical (30%); Financial and Commercial (40%). Staff recommend that the Board approve initiating a procurement process for contingency landfill disposal along with the proposed evaluation criteria and weighting. Staff will report back for contract award approval in late 2016. Contingency landfill operations would commence in early-2017.
To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: February 1, 2016

Subject: Vancouver Landfill: Metro Vancouver – Vancouver – Delta Tri-Partite Agreement Overview

RECOMMENDATIONS

PURPOSE
The purpose of this report is to provide an overview of the relationship between Vancouver, Delta and the GVS&DD (Metro Vancouver) related to the Vancouver Landfill under the Metro Vancouver – Corporation of Delta – City of Vancouver Tri-Partite Agreement (Tri-Partite Agreement).

BACKGROUND
The Zero Waste Committee requested an overview of the relationship between Metro Vancouver, the City of Vancouver and the Corporation of Delta with respect to the Vancouver Landfill.

The Vancouver Landfill is located in the Corporation of Delta and is owned and operated by the City of Vancouver. In 1989, Metro Vancouver, Delta and the City of Vancouver entered into the Tri-Partite Agreement, an agreement that governs the relationship between the parties with respect to the Vancouver Landfill. In 2015, the Vancouver Landfill received approximately 365,000 tonnes of mixed municipal solid waste as well as a range of other materials such as construction and demolition waste, waste-to-energy facility bottom ash, construction soil etc.

VANCOUVER LANDFILL OVERVIEW
The Tri-Partite Agreement expires in 2037. Key provisions in the Tri-Partite Agreement relate to:

- Waste distribution
- Cost and revenue sharing
- Royalties
- Closure cost allocation

Waste Distribution
Under the Tri-Partite Agreement, unless otherwise agreed by the parties, the Vancouver Landfill accepts waste from the western portion of the region, defined in the Tri-Partite Agreement as the City of Vancouver, Delta, the University Endowment Lands/UBC, Richmond, White Rock and South Surrey. Haulers deliver waste to the most convenient facility and declare the geographic origin of the waste. Waste is hauled from transfer stations to the Vancouver Landfill, Cache Creek Landfill or Waste-to-Energy Facility. Historically, Vancouver Landfill has annually received less than half of the region’s waste. Half of the region’s waste is approximately the amount of waste generated in the
western portion of the region. The Waste-to-Energy Facility and the Cache Creek Landfill receive the remainder of the region's waste.

**Cost and Revenue Sharing**
Under the Tri-Partite Agreement, Metro Vancouver and the City of Vancouver share costs related to the Landfill, and Metro Vancouver, Vancouver and Delta share revenues. Vancouver collects tipping fees at the Vancouver Landfill and Vancouver South Transfer Station, and remits those fees to Metro Vancouver for waste originating from areas other than Delta or Vancouver. Metro Vancouver then pays the City of Vancouver for the operation costs related to receiving that waste at the Vancouver Landfill and/or the Vancouver South Transfer Station. For commercial waste originating from Delta and delivered to the Vancouver Landfill, Vancouver pays the net revenue (tipping fee minus operation cost) to the Corporation of Delta.

**Royalties**
Metro Vancouver pays Delta royalties on all non-Delta and Vancouver waste delivered to the Vancouver Landfill. Royalties depend on the geographic origin of the waste: the royalty for waste from the western portion of the region is tied to the royalties paid by the City of Vancouver to Delta (as per Vancouver-Delta Agreement), and the royalty for waste from the remainder of the region is based on a formula tied to the regional tipping fee. In 2014, the western region royalty Rate equaled $2.56 per tonne and the Royalty Rate for other waste equaled $3.87 per tonne.

**Closure Costs**
As of the end of 2014, the net present value of estimated closure and post-closure care costs for Vancouver Landfill equaled approximately $115 million. Closure cost liability is shared between Vancouver and Metro Vancouver based on the origin of waste at the Vancouver Landfill. Vancouver bears the liability related to Vancouver waste and Delta waste. As of the end of 2014, Metro Vancouver’s portion of the liability was approximately 27%. Metro Vancouver’s portion of the estimated closure liability is reported annually as part of Metro Vancouver’s financial statement. An amount is included in each annual solid waste budget to fund the liability associated with the waste delivered to the Vancouver Landfill in that year.

**Vancouver Landfill Operational Certificate**
The Vancouver Landfill is regulated by the Province of British Columbia through an Operational Certificate. The Operational Certificate specifies that a maximum of 750,000 tonnes of waste may be deposited in the Landfill each year. In 2015, the amount of waste delivered to the Vancouver Landfill that counted towards this limit was approximately 550,000 tonnes (including construction and demolition waste etc.). Vancouver Landfill waste has declined from a peak of approximately 750,000 tonnes in 2006/2007. Waste flow declines at the Vancouver Landfill have resulted from overall system reductions in waste volumes through increased recycling and reduced waste generation.

**ALTERNATIVES**
This is an information report and therefore no alternatives are provided.

**FINANCIAL IMPLICATIONS**
The financial relationship between the City of Vancouver, Metro Vancouver and Delta, is primarily based on the provisions of the Tri-Partite Agreement. Under that relationship, costs are shared between Metro Vancouver and the City of Vancouver, and revenues are shared between Metro Vancouver, the City of Vancouver and Delta.
SUMMARY / CONCLUSION
The Vancouver Landfill is an important waste disposal facility for the region. The Vancouver Landfill received approximately 365,000 tonnes of mixed municipal solid waste in 2015. The Tri-Partite Agreement defines the relationship between Metro Vancouver, Vancouver and Delta with respect to the Landfill and includes provisions related to cost and revenue sharing, waste distribution, royalties and closure liability. Waste quantities at the Vancouver Landfill have declined over the last 10 years through increased waste diversion and reduced waste generation.

17295882
To: Zero Waste Committee  
From: Paul Henderson, General Manager, Solid Waste Services  
Date: February 2, 2016  
Meeting Date: February 11, 2016  
Subject: Manager’s Report

RECOMMENDATION
That the Zero Waste Committee receive the report dated February 2, 2016 titled, “Manager’s Report” for information.

Attendance at 2016 Standing Committee Events
Participation at external events provides important learning and networking opportunities. The following events that fall under the purview of the Zero Waste Committee were included in the 2016 Leadership and Engagement budget:

BioCycle West Coast Conference
- Place and Date: San Diego, California, April 4-7, 2016
- Number of attendee(s): 1
- BioCycle is dedicated to the advancement of organics management. The BioCycle West Conference provides an opportunity to learn more about the experiences of communities across North America in managing organics.

Recycling Council of British Columbia 2016 Conference and Trade Show
- Place and Date: Whistler, British Columbia, May 18-20, 2016
- Number of attendee(s): 1
- The Recycling Council of British Columbia 2016 Conference and Trade Show is British Columbia’s premier networking and education event hosted by the Recycling Council of British Columbia. With the overarching goals of reducing waste and building a circular economy, the conference offers progressive programming featuring best practices, theory, and innovations from BC, Canada, and beyond.

Metro Vancouver’s Zero Waste Conference
- Place and Date: Vancouver, British Columbia, November 3, 2016
- Number of attendee(s): 4
- Metro Vancouver’s annual zero waste conference will present perspectives and leading initiatives that challenge traditional assumptions around waste and demonstrate the economic value to be realized from zero waste and circular economy approaches.
Road to Zero Waste Conference 2016
- Place and Date: Charleston, South Carolina, April 4-7, 2016
- Number of attendee(s): 1
- Hosted by the Solid Waste Association of North America, this conference will focus on changes in the waste industry due to new goals for U.S. food waste collection and an international emphasis on the “circular economy”, an effort to focus on reuse, recovered materials and energy

Solid Waste Association of North America Wastecon Conference
- Place and Date: Indianapolis, Indiana, August 22-25, 2016
- Number of attendee(s): 1
- SWANA’s Wastecon Conference provides an opportunity to participate in sessions on waste reduction, recycling and residuals management. Leading-edge programs from across North America will be profiled at the conference.

Please notify the Committee Chair as soon as possible, but no later than February 26, 2016 if you are interested in attending any of the above-noted events. As the funds for these events are budgeted in general government, the Intergovernment and Finance Committee has approved the events, but final approval on attendance rests with the Board Chair.

Gypsum Recycling Update
In late 2015, Metro Vancouver and City of Vancouver transfer stations stopped accepting gypsum for recycling. The change resulted from new requirements at New West Gypsum due to the potential for gypsum to contain asbestos. As of January 25, 2016, Maple Ridge and Langley Transfer Stations have resumed accepting 1990 or newer gypsum for recycling. Metro Vancouver is working with Wastech Services to resume accepting gypsum at North Shore, Surrey and Coquitlam Transfer Stations.

Zero Waste Committee 2016 Workplan
The Zero Waste Committee 2016 Workplan was the subject of Report 5.1 of this agenda package. The 2016 Workplan will be attached to the Manager’s Report each month, with updates on the status of the items in the workplan, listing them as ‘pending’, ‘in progress’, or ‘complete’.

17167150
November 23, 2015

Mr. Greg Moore, Board Chair
Metro Vancouver
4330 Kingsway
Burnaby BC V5H 4G8

Dear Greg:

Re: Odour Management For Solid Waste Facilities

The City has made significant progress on its commitments to reduce organic waste sent to the Vancouver landfill. In 2013, the City achieved its target of 70 per cent diversion of solid waste for single family homes, two years ahead of the target year, and is now working with multi-family and commercial users. Diversion levels of this nature have been a regional trend and a corresponding growth in demand for organic waste management services has resulted. The City is the host community for the region’s largest organics waste management facility, Harvest Power. At least four other major facilities manage waste, including organics, are also in close proximity to Richmond.

The City and Metro Vancouver have noted an appreciable increase in odour complaints lately. The City and I receive numerous complaints from businesses and the public. The City understands that odours from such facilities are also an issue in Burnaby, Delta and Vancouver. The current air quality resulting from local organic waste management facilities have become unacceptable to the City and the City is requesting that Metro Vancouver enforce its air quality laws, including imposing and enforcing more protective requirements in permits. With respect to the odour management from these facilities, Harvest Power is the only facility regionally that is regulated to manage odours. Harvest Power’s permit is currently being reviewed. The City will be providing input into this process to ensure durable solutions to odour issues are included in the permit.

On November 9, 2015, Richmond City Council received a staff report (attachment 1) that indicated that some solid waste and organic waste management facilities in greater Vancouver operate under either an Operational Certificate, issued by the Ministry of Environment, or do not have air quality permits, where Metro Vancouver is the regulator. Where Operational Certificates are in place, these certificates can, but do not impose air quality or odour management requirements. As such, an inconsistent level of air quality protection occurs across the region. This inconsistency presents challenges for how regulators respond to odour complaints and how operators and regulators implement appropriate corrective measures. Finally, without regulatory requirements, there is a disincentive for operators to take proactive measures to address odour issues when they arise. The report also identified that some regional municipalities haul their organic waste to facilities that do not have air quality permits.
Accordingly, Richmond City Council, at its regular meeting held on Monday, November 9, 2015, adopted the following motion:

That staff continue to monitor odour issues and work with Harvest Power and Metro Vancouver to develop durable odour mitigation strategies;

That a letter be sent to the Metro Vancouver Board expressing the City’s concerns regarding current air quality from local organic waste management facilities and requesting that it investigate the feasibility of implementing an organics management odour control regulation for composting facilities regionally;

That a letter be sent to the Metro Vancouver Board requesting that it consider a requirement that member municipalities be limited to disposing organic waste at facilities with air quality permits or approvals; and

That a letter be sent to the BC Minister of Environment requesting that Operational Certificates regulating air emissions and odours be required for existing and new municipal facilities managing organic waste.

The City of Richmond fully supports regional Zero Waste goals, and recognizes the vital role of organics recycling as part of reaching those goals. We also believe that all communities in the region would benefit from a level regulatory playing field for operators supporting the recycling of organics. Metro Vancouver can assist by working with its member municipalities to ensure that their organic waste is hauled to facilities that operate under air quality permits or Operational Certificates, when the province is the regulator. Metro Vancouver can also investigate the feasibility of implementing an organics management odour control regulation for composting facilities regionally. The above requests support the spirit of providing accountability to local communities and regulating consistency for a rapidly evolving industry.

I look forward to a response from Metro Vancouver and trust that our request will be given due consideration. For further information, please contact Peter Russell, Senior Manager, Sustainability and District Energy, at peter.russell@richmond.ca or 604-276-4130.

Yours truly,

[Signature]
Malcolm Brodie
Mayor

Att. 1
To: General Purposes Committee  
Date: October 19, 2015

From: John Irving, P. Eng., MPA, Director, Engineering  
File: 10-6175-02-01/2015-Vol 01

Re: Odour Management from Organic Waste Management Facilities in Richmond and Surrounding Areas

Staff Recommendation

That:

1. Staff continue to monitor odour issues and work with Harvest Power and Metro Vancouver to develop durable odour mitigation strategies.

2. A letter be sent to the Metro Vancouver Board expressing the City’s concerns regarding current air quality from local organic waste management facilities and requesting that it investigate the feasibility of implementing an organics management odour control regulation for composting facilities regionally.

3. A letter be sent to the Metro Vancouver Board requesting that it consider a requirement that member municipalities be limited to disposing organic waste at facilities with air quality permits or approvals.

4. A letter be sent to the BC Minister of Environment requesting that Operational Certificates regulating air emissions and odours be required for existing and new facilities managing organic waste.

John Irving, P. Eng., MPA, Director, Engineering  
(604-276-4140)

REPORT CONCURRENCE

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REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE

INITIALS: APPROVED BY CAO
Staff Report

Origin

This report is intended to provide Council background and contextual information regarding the recent increase in odour complaints, especially as they relate to commercial composting activities in the City, and an update on the Air Quality Permitting process for Harvest Power.

This report supports Council’s 2014-2018 Term Goal #3 A Well-Planned Community:

Adhere to effective planning and growth management practices to maintain and enhance the livability, sustainability and desirability of our City and its neighbourhoods, and to ensure the results match the intentions of our policies and bylaws.

This report supports Council’s 2014-2018 Term Goal #5 Partnerships and Collaboration:

Continue development and utilization of collaborative approaches and partnerships with intergovernmental and other agencies to help meet the needs of the Richmond community.

Background

Regulatory Agency

Metro Vancouver has delegated authority from the Province, under the Environmental Management Act, to provide the service of air pollution control and air quality management by controlling the discharge of air contaminants through bylaws adopted by the Greater Vancouver Regional District Board. Metro Vancouver also regulates the management of organic waste through permits; municipally-operated waste management operations are an exemption and are regulated by the BC Ministry of the Environment. Operational Certificates are tools similar to Permits that are issued by the Province to regulate the operations of prescribed industries, in order to assure responsible management of discharges to the environment, including for air emissions. Major organic waste management facilities in operation in or near Richmond include: Harvest Power (currently operating as Harvest Fraser Richmond Organics, Ltd), the City of Vancouver’s Kent transfer station (Vancouver), the Vancouver Landfill (Delta), Enviro-Smart Organics Ltd. (Delta) and Revolution Resource Recovery (Vancouver).

Harvest Power Odour Management

Locally, Harvest Power has been operating a compost, soil recycling, and biofuel energy production facility at 7028 York Road for several years. The operation of the green waste processing facility has held a Composting Facility License since 1997. The operation includes open row composting of mixed organic wastes (soils, lawn waste, and food scraps) and enclosed digestion of high-calorie organic wastes (residential and commercial food scraps) for the production of biogas that is in turn burned to generate electricity (the “Energy Garden”). To meet regional landfill diversion targets, Harvest Power recently started receiving packaged organic materials (e.g. canned goods, packed meats, etc.). Harvest Power has been receiving organic materials collected by the City of Richmond since it started recycling organic waste, initially with yard trimmings then growing to include organics. The City’s current agreement
with Harvest Power is valid through to June 30, 2019; the City has options for two additional terms of sixty months each.

Harvest Power was given an Air Quality Permit in 2013, pursuant to the Greater Vancouver Regional District Air Quality Management Bylaw No. 1082, after a lengthy and iterative process which included input from the City and consultation with Metro Vancouver engineers and subject experts. The Permit identifies sources of odour and other air pollutants, identifies standards for various regulated parameters (nitrogen oxides, particulates, volatile organic compounds, etc..) and sets out a monitoring system to assure compliance. The initial permit expired in June 2015, however, a temporary Approval was granted by Metro Vancouver. This effectively extends the conditions of the original permit until December 31, 2015 to provide Harvest Power and Metro Vancouver an opportunity to continue to collect data, revise their Permit and work to address issues that may arise. When permits are issued, stakeholders and the public are invited to provide feedback on proposed conditions of the permit.

Under the conditions of the permit, odours are generally controlled through biofilter technology. These are bodies of organic media supporting microbes that metabolize the odorous compounds of the air passed through them, and reduce odour by an order of magnitude or more. Combined with adequate dispersion, biofilters can manage most odours effectively. Some operations are enclosed; waste feedstock for the Energy Garden biodigesters is managed in an enclosed building where exhaust air passes through scrubbers to reduce or remove odours. During the existing permit period, according to Metro Vancouver it is believed that odour complaints may have been received when the biofilters are degraded, either through overheating or contamination by ammonia, which upsets the organic balance in the filter media.

In the past, odour complaints linked to Harvest Power have increased when broadcast or print media draws attention to the operation. In some cases, a portion of the complaints are not attributed to Harvest operations, but to other sources in the area, such as farming practices or issues related to sewer treatment plants. Previous spikes in complaints have occurred in the early fall, which Metro Vancouver attributes to weather conditions that prevent the dissipation of odours. Fall weather is typically defined by frequent temperature inversions and calm winds; the same conditions that create foggy conditions at ground level. These weather conditions have been persistent in Richmond this year, bringing a peak in odours and complaints.

**Odour Complaint Management**

As air quality permit issuance is through Metro Vancouver, Metro Vancouver is responsible for receiving and responding to odour complaints. When receiving a complaint, Metro Vancouver staff will forward the anonymized complaint to the most likely source. The City also receives complaints directly through various channels. When arriving at Front of House or the City Switchboard, customers are instructed to direct their complaint to the Metro Vancouver 24-hour Air Quality Complaints phone line and/or the online Air Quality Complaints Form. If customers desire more feedback from the City, they are generally put in contact with Environmental Sustainability staff, who are more able to explain the technicalities of the concern and direct the complaint to be more effective. If multiple complaints are received in a short period of time, City staff contact Metro Vancouver Regulation & Enforcement staff to assure that complaints are being registered and to determine what specific actions are being taken by Metro Vancouver regulatory staff.
Harvest Power tracks complaints that they receive from Metro Vancouver and others sources, and provides a monthly report to Metro Vancouver and the City of Richmond. Harvest Power manages a “Progressive Odour Management Plan” which involves a review of complaints received. Complaints received are characterised as “likely” or “not likely” to be a result of their operations; weather and wind conditions are reviewed during this analysis. As part of this, Harvest undertakes air dispersion modelling to help determine the impact of weather conditions on odour travel and to aid in identifying potential site sources to focus on. The last report received by the City was on August 14, 2015, covering the time up to July 31, 2015.

Analysis

Recent Issues and Short Term Actions at Harvest Power

Harvest Power has occasionally had challenges meeting their odour targets over the years. In particular, this has been an issue when the Energy Garden was introduced as well as when the recent ban on food scraps disposal identified in Metro Vancouver’s Integrated Solid Waste and Resource Recovery Management Plan led to an overall increase in waste being received at the facility. Recently reported anomalous issues or process changes include:

- **Packaged Organic Waste**: Harvest Power reports that they have been accepting some packaged organic material to be processed in the Energy Garden. Initially, packaging was manually depackaged; this slow process has resulted in longer than expected on-site storage. Harvest Power is currently in the process of permitting and commissioning covered automated ‘depacking’ equipment which will decrease storage times. The new system also includes leachate management recovery.
- **Biodigesters**: In January, Harvest Power cleaned their biodigesters as a maintenance procedure, but had difficulties in restoring the system’s biogas scrubbers. Harvest Power reports that the repairs have now been completed and they expect that the system should be fully operational.
- **Biofilter**: Harvest Power reported that they have one underperforming biofilter on site that is scheduled to be replaced in October, 2015. It is Metro Vancouver’s and the City’s experience that complaints decrease after the biofilter media has been changed.

Staff most recently met with Harvest Power on October 8th to discuss concerns and solutions. As a short term response, Harvest Power agreed to add more wood chips to the compost piles, reduce pile height, and increase the turnaround time for scheduled windrow biofilters. These measures, in addition to the resolved issues listed above, should lead to reduced odour complaints. Longer term, the City will have opportunities to comment through the permit renewal process, described below. Long term, covering options of the operations or limiting the amount of waste handled on the site may be required.

Regulation of Other Regional Composting Facilities

Other facilities may be causing detectable odour issues in Richmond. Of all the facilities listed in this report (Harvest Power, Vancouver Kent Transfer Station, Vancouver Landfill, EnviroSmart and Revolution), only Harvest Power operates under a Metro Vancouver air quality permit. The City of Vancouver facilities are exempt from Metro Vancouver air permitting, but are regulated by the provincial Ministry of the Environment. The Vancouver Landfill operates
under an Operational Certificate but the conditions do not address air quality or odour management. Vancouver’s Kent Yard site does not have an operational certificate that regulates odours as well. It is our understanding that Enviro-Smart currently does not have an air quality permit. Metro Vancouver has been pursuing this matter with the operator. Some regional municipalities currently haul organic waste to private sector facilities that do not have air quality permits.

Metro Vancouver advises that while it is still possible that odours from these facilities are detected in Richmond, the majority of “compost” odour complaints in Richmond that are investigated by Metro Vancouver are suspected to trace back to Harvest Power. Despite this fact, there is a disparity regionally in how these facilities are regulated for air quality and until such time that all facilities are operating under the same odour management requirements, it will be difficult to ascertain odour sources and implement appropriate corrective measures. For this reason, a recommendation is included in this report for Council to request that the Metro Vancouver Board consider a requirement that member municipalities be limited to hauling or managing organic waste at facilities with air quality permits or Approvals pursuant to the Greater Vancouver Regional District Air Quality Management Bylaw, or operating under an Operational Certificate from the BC Ministry of Environment that regulates air emissions and odours for municipal facilities.

Metro Vancouver Permitting Process and Harvest Power Permit Review

Harvest Power is currently operating under an Approval from Metro Vancouver. The short term Approval provides Harvest Power and Metro Vancouver with the necessary time to develop a new Air Quality Permit. Technical details of the new permit application are currently being reviewed by Metro Vancouver. Although the current Approval expires on December 31, 2015, an extension may be granted if the permitting process cannot be completed by that date. The number of complaints is an important input into the permitting process, allowing Metro Vancouver to negotiate more stringent odour management measures.

Permit applications of this type are subject to the provincial Public Notification Regulation. The details of the public consultation in regards to the new Permit have not yet been determined, however Metro Vancouver have indicated that local newspaper notices and direct engagement of stakeholders (including the City of Richmond and people who have registered complaints through the Metro Vancouver complaints system) will be included in the review. A public meeting, intended to give the proponent an opportunity to explain their compliance plan to the public, is possible but has not been confirmed at this time. Staff are prepared to engage in this process and will bring a report forward summarizing key concerns and priorities for the City.

Financial Impact

None.

Conclusion

An increase of odour complaints has been noted by the City and Metro Vancouver. Staff met with both Harvest Power and Metro Vancouver staff to better understand current issues and to identify solutions. Harvest Power has committed to some immediate and on-going changes in
their operations to address the City's concerns. Metro Vancouver is currently reviewing a draft air quality permit recently submitted by Harvest Power. The City and members of the public will have an opportunity to provide input on the permit in late 2015 or early 2016. Staff analysis also revealed that similar organic waste management facilities in the region do not have air quality permits or operational certificates, in the case of municipal facilities, that regulate air quality and odours. Staff recommend that letters be sent to both Metro Vancouver and the BC Ministry of Environment requesting that these facilities be regulated for air quality. City staff will continue to monitor odour complaints and work closely with Harvest Power, Metro Vancouver and the province to address and mitigate odour concerns. Staff will also continue to direct public complaints to Metro Vancouver since complaint frequency is a factor considered at the time of air quality permit review.

Peter Russell
Senior Manager, Sustainability and District Energy
(604-276-4130)

PR: pj