AGENDA

WATER COMMITTEE
REGULAR MEETING

Wednesday, February 11, 2009
9:00 a.m.
2nd Floor Boardroom
4330 Kingsway, Burnaby, BC

Committee Members:
Chair, Director Tim Stevenson, Vancouver
Vice Chair, Director Mae Reid, Coquitlam
Councillor Linda Barnes, Richmond
Director Derek Corrigan, Burnaby
Director Rick Green, Langley Township
Councillor Craig Keating, North Vancouver City
Councillor Alan Nixon, North Vancouver District
Director Greg Moore, Port Coquitlam
Councillor Karen Rockwell, Port Moody
Councillor Barbara Steele, Surrey
Director Hal Weinberg, Anmore

Please advise Airdre Kawasaki at (604) 432-6354 if you are unable to attend.
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NOTICE TO THE GVRD
WATER COMMITTEE

9:00 a.m.
Wednesday, February 11, 2009
2nd Floor Boardroom, 4330 Kingsway, Burnaby, British Columbia

A G E N D A

1. ADOPTION OF THE AGENDA

1.1 February 11, 2009 Regular Meeting Agenda
Staff Recommendation:
That the Water Committee adopt the agenda for its regular meeting scheduled for February 11, 2009 as circulated.

2. ADOPTION OF THE MINUTES

2.1 October 15, 2008 Regular Meeting Minutes
Staff Recommendation:
That the Water Committee adopt the minutes of its regular meeting held October 15, 2008 as circulated.

2.2 November 13, 2008 Regular Joint Meeting Minutes
Staff Recommendation:
That the Water Committee adopt the minutes of the regular Joint Meeting of the Finance Committee and Water Committee meeting held November 13, 2008 as circulated.

3. DELEGATIONS
No items presented.

4. INVITED PRESENTATIONS
No items presented.

5. REPORTS FROM COMMITTEE OR STAFF

5.1 2009 Water Committee Program
Designated Speaker: Tim Jervis
Recommendation:
That the Water Committee endorse the activities and timelines set out in the report dated February 2, 2009, titled “2009 Water Committee Program”.

5.2 2009 GVWD Capital Projects
Designated Speaker: Frank Huber
Recommendation:
That the Committee receive the report titled “2009 GVWD Capital Projects” dated February 2, 2009 for information.
5.3 **Seymour-Capilano Filtration Project – Project Status**  
*Designated Speaker: Mark Ferguson*  
Recommendation:  
That the Board receive the report titled “Seymour-Capilano Filtration Project – Project Status”, dated January 16, 2009 for information.

5.4 **2009 Water Committee Regular Meeting Dates**  
*Designated Speaker:*
Recommendation:  
That the Water Committee establish the day, hour and place for its 2009 regular meetings as follows:

- Wednesday, February 11
- Wednesday, March 11
- Wednesday, April 8
- Wednesday, May 13
- Wednesday, June 10
- Wednesday, July 15
- Wednesday, September 9
- Wednesday, October 14
- Wednesday, November 18

Meetings will be held at 9:00 a.m. in the 2nd floor boardroom, 4330 Kingsway, Burnaby, British Columbia unless otherwise specified on the Metro Vancouver public notice board, Metro Vancouver website, and the respective agenda.

6. **INFORMATION ITEMS**  
No items presented.

7. **OTHER BUSINESS**  
No items presented.

8. **RESOLUTION TO CLOSE MEETING**  
Staff Recommendation:  
That the Water Committee close its regular meeting scheduled for February 11, 2009 pursuant to the *Community Charter* provisions, Section 90 (1)(g) as follows:

“90 (1) A part of a committee 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 municipality.”

9. **ADJOURNMENT**  
*Staff Recommendation:*
That the Water Committee conclude its regular meeting of February 11, 2009.
Minutes of the Regular Joint Meeting of the Greater Vancouver Regional District (GVRD) Finance Committee and the Water Committee held at 9:02 a.m. on Thursday, November 13, 2008 in the 2nd Floor Boardroom, 4330 Kingsway, Burnaby, British Columbia.

PRESENT (Finance Committee)
Co-Chair, Director Malcolm Brodie, Richmond
Vice Chair, Director Colleen Jordan, Burnaby
Councillor Robin Hicks, North Vancouver District
Director Marvin Hunt, Surrey
Director Gayle Martin, Langley City

PRESENT (Water Committee)
Co-Chair, Director Tim Stevenson, Vancouver
Councillor Linda Barnes, Richmond
Councillor Mike Clay, Port Moody
Councillor Janice Harris, North Vancouver District
Director Mae Reid, Coquitlam
Director Michael Wright, Port Coquitlam

ABSENT (Finance Committee)
Councillor John Clark, West Vancouver
Councillor Craig Keating, North Vancouver City
Councillor Raymond Louie, Vancouver
Director Don MacLean, Pitt Meadows

ABSENT (Water Committee)
Vice Chair, Director Derek Corrigan, Burnaby
Councillor Calvin Donnelly, New Westminster
Director Barbara Steele, Surrey
Director Hal Weinberg, Anmore

STAFF:
Toivo Allas, Manager, Policy and Planning Department
Doug Humphris, Manager, Operations and Maintenance Department
Tim Jervis, Manager, Engineering and Construction Department
Jim Rusnak, Chief Financial Officer, Finance and Administration Department
Klara Kutakova, Assistant to Regional Committees, Corporate Secretary’s Department

1. ADOPTION OF THE AGENDA

1.1 November 13, 2008 Regular Meeting Agenda

It was MOVED and SECONDED
That the Finance Committee and Water Committee adopt the agenda for the Joint Regular Meeting scheduled for November 13, 2008 as circulated.

CARRIED
2. **ADOPTION OF MINUTES**  
No items presented.

3. **DELEGATIONS**  
No items presented.

4. **INVITED PRESENTATIONS**  
No items presented.

5. **REPORTS FROM COMMITTEE OR STAFF**  
No items presented.

6. **INFORMATION ITEMS**  
No items presented.

7. **OTHER BUSINESS**  
No items presented.

8. **RESOLUTION TO CLOSE MEETING**

   **It was MOVED and SECONDED**  
   That the regular meeting the GVRD Finance Committee scheduled for 
   November 13, 2008 be closed pursuant to the Community Charter provision, 
   Section 90(1) (e) and (g) as follows:  
   “90(1) A part of a committee meeting may be closed to the public if the subject 
   matter being considered relates to 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;  
   (g) litigation or potential litigation affecting the regional district.

   **CARRIED**

9. **ADJOURNMENT**

   **It was MOVED and SECONDED**  
   That the Finance Committee and Water Committee conclude the Joint Meeting of 
   November 13, 2008.

   **CARRIED**  
   *(Time: 9:02 a.m.)*

____________________________ ______________________________
Klara Kutakova, Malcolm Brodie, Co-Chair
Assistant to Regional Committees

______________________________
Tim Stevenson, Co-Chair
Minutes of the Regular Meeting of the Greater Vancouver Regional District (GVRD) Water Committee held at 9:05 a.m. on Wednesday, October 15, 2008 in the 2nd Floor Boardroom, 4330 Kingsway, Burnaby, British Columbia.

PRESENT:
Chair, Director Tim Stevenson, Vancouver
Vice Chair, Director Derek Corrigan, Burnaby
Councillor Linda Barnes, Richmond
Councillor Mike Clay, Port Moody
Councillor Janice Harris, North Vancouver District
Director Mae Reid, Coquitlam
Director Barbara Steele, Surrey
Director Hal Weinberg, Anmore
Director Michael Wright, Port Coquitlam

ABSENT:
Councillor Calvin Donnelly, New Westminster

STAFF:
Toivo Allas, Manager, Policy and Planning Department
Tom Heath, Manager, Operations and Maintenance Department
Tim Jervis, Manager, Engineering and Construction Department
Marla Minichiello, Assistant to Regional Committees, Corporate Secretary’s Department

1. ADOPTION OF THE AGENDA

1.1 October 15, 2008 Regular Meeting Agenda

It was MOVED and SECONDED
That the Water Committee adopt the agenda for its regular meeting scheduled for October 15, 2008 as circulated.

CARRIED

2. ADOPTION OF THE MINUTES

2.1 September 10, 2008 Regular Meeting Minutes

It was MOVED and SECONDED
That the Water Committee adopt the minutes of its regular meeting held September 10, 2008 as circulated.

CARRIED

Agenda Varied
The order of the agenda was varied to consider Item 8 at this time.
8. RESOLUTION TO CLOSE MEETING

It was MOVED and SECONDED that the Water Committee close its regular meeting scheduled for October 15, 2008 pursuant to the Community Charter provisions, Section 90 (1) (e) and (g) as follows:

“90 (1) A part of a committee 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;

(g) litigation or potential litigation affecting the municipality.”

CARRIED

ADJOURNMENT

It was MOVED and SECONDED that the Water Committee adjourn its regular meeting of October 15, 2008.

CARRIED

(Time: 9:06 a.m.)

RECONVENE

The October 15, 2008 Water Committee regular meeting reconvened at 11:04 a.m. with the following members being in attendance:

Chair, Director Tim Stevenson, Vancouver (arrived at 11:29 a.m.)
Vice Chair, Director Derek Corrigan, Burnaby
Councillor Linda Barnes, Richmond
Councillor Mike Clay, Port Moody
Councillor Janice Harris, North Vancouver District
Director Mae Reid, Coquitlam
Director Barbara Steele, Surrey
Director Hal Weinberg, Anmore (departed at 11:58 a.m.)
Director Michael Wright, Port Coquitlam

In the absence of the Chair, Vice-Chair Corrigan presided as chair

3. DELEGATIONS

3.1 Will Koop, BC Tap Water Alliance

Will Koop, BC Tap Water Alliance, requested that his access to the watersheds be reinstated. He spoke to the importance of access for the purpose of witnessing the interplay between water-runoff and roads, which had originally been built for logging purposes, but continue to cause water problems today; and that this information must be brought forward to the public.

He requested that the Board permit him access infrequently (during major storm events) to determine the impact on water quality resulting from the road infrastructure, and to determine the extent of the road deactivation.
Members questioned the expense and status of the road deactivation program.

Request of Staff
Staff was requested to provide an update on the watershed road deactivation program at a future Water Committee meeting.

It was MOVED and SECONDED
That the Water Committee direct staff to consider issues surrounding access to the watershed by interested stakeholders and report back to the Committee with options.  

CARRIED

4. INVITED PRESENTATIONS
No items presented.

5. REPORTS FROM COMMITTEE OR STAFF

5.1 2009 Programs and Priorities of the Water Committee
Report dated October 3, 2008 from Tim Jervis, Manager, Engineering and Construction Department, presenting the 2009 programs and priorities under the purview of the Water Committee for discussion and/or amendments for Board consideration at the Board budget workshop.

11:29 a.m.
Director Stevenson arrived at the meeting and assumed the Chair.

It was MOVED and SECONDED
That the Water Committee endorse the proposed programs and priorities, as outlined in the report dated October 3, 2008, titled “2009 Programs and Priorities of the Water Committee”, as the basis for the budget to be considered at the Board budget workshop in October 2008.

CARRIED

5.2 Metro Vancouver Tap Water Campaign: Campaign Activities Update
Report dated October 6, 2008 from Bill Morrell, Corporate Communications and Media Relations Division Manager, Corporate Relations Department, providing the Committee with a report of Tap Water Campaign activities to date, outlining media and public responses to the campaign and recommending communications actions through to 2009.

11:58 a.m.
Director Weinberg departed the meeting.

It was MOVED and SECONDED
That the Water Committee endorse Phase 2 of the Tap Water Campaign as outlined in the report dated October 6, 2008, titled “Metro Vancouver Tap Water Campaign: Campaign Activities Update”.

CARRIED
6. INFORMATION ITEMS

6.1 Letter to Chair Jackson from Nestle Waters Canada dated October 3, 2008
Correspondence dated October 3, 2008 from Gail Cosman, President, Nestle Waters Canada, to Lois Jackson, Chair, Greater Vancouver Water District, expressing concern about the possibility of the banning, decreasing or eventual elimination of bottled water in Vancouver and area facilities.

Request of Staff
Staff was requested to forward to Water Committee members by email the Issues Brief responding to the Nestle Waters Canada letter dated October 3, 2008.

It was MOVED and SECONDED
That the Water Committee receive for information the correspondence dated October 3, 2008 from Gail Cosman, Nestle Waters Canada, concerning the banning, decreasing and elimination of bottled water in Vancouver and regional facilities.

CARRIED

7. OTHER BUSINESS
No items presented.

8. RESOLUTION TO CLOSE MEETING
This item was previously considered.

9. ADJOURNMENT

It was MOVED and SECONDED
That the Water Committee conclude its regular meeting of October 15, 2008.

CARRIED
(Time: 12:00 p.m.)

________________________________ ________________________________
Marla Minichiello, Tim Stevenson, Chair
Assistant to Regional Committees
Reports
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To: Water Committee

From: Tim Jervis, Manager, Engineering and Construction Department

Date: February 2, 2009

Subject: 2009 Water Committee Program

Recommendation:

That the Water Committee endorse the activities and timelines set out in the report dated February 2, 2009, titled “2009 Water Committee Program”.

1. PURPOSE

To provide the Water Committee with its Terms of Reference and the key activities in its 2009 work program.

2. CONTEXT

Terms of Reference
The Water Committee’s Terms of Reference as approved by the Metro Vancouver Board are appended as Attachment 1. The Committee oversees the implementation of regional water programs and provides advice and recommendations to the Board on water-related activities which are carried out under the provisions of the Drinking Water Management Plan. The principle responsibilities of the Committee are to:

- review and monitor the annual work program for programs assigned to the committee and make recommendations to the Board, as necessary, on any changes in program scope and priorities;
- consider staff reports on policies, projects and programs and make recommendations to the Board on the appropriate actions;
- hear and consider public delegations on matters within the scope of the committee’s purview and, where appropriate, make recommendations to the Board arising out of such delegations;
- to pursue matters referred to the committee by the Board and report back to the Board expeditiously, as required.

2009 Program
The Water Committee’s program for 2009 will be centered upon the continued implementation of three key initiatives, namely the:

- Drinking Water Management Plan;
- Seymour-Capilano Filtration Project; and
- Tap Water Campaign.
The Committee’s role in these tasks will be to monitor and oversee the implementation, and provide advice, guidance, and direction to staff with respect to the priority and scope of the work being carried out.

Other key areas of focus for the Committee will include:

- Implementation of additional water conservation activities;
- Work with senior governments, First Nations and others on fisheries issues and drinking water;
- Development of energy recovery opportunities from within the Metro Vancouver water supply system; and
- Application of green building design principles for new facility construction.

In addition, a number of specific requests by the Committee in 2008 will be completed. These include:

- Consideration of a broader public consultation/outreach program with respect to implementation of the Drinking Water Management Plan; and
- Provision of a status report on the Watershed Road Deactivation Program.

Attachment 2 sets out the “Metro Vancouver Sustainability Framework Timeline for 2009 Priorities” relevant to the Committee. This information, initially considered and amended at the Board workshop on January 23, 2009, identifies the key activities directed towards achieving the Board’s priorities and targets, and the anticipated schedule.

3. ALTERNATIVES

None provided. The Water Committee may wish to advise staff on other work program priorities.

4. CONCLUSION

The Water Committee oversees regional water programs, projects and plans, and provides advice and recommendations to the Board on water-related activities. The focus of the Committee’s program for 2009 will be the continued implementation of the Drinking Water Management Plan, the Seymour-Capilano Filtration Project, and the Tap Water Campaign. The Committee is requested to review the activities and timelines set out in Attachment 2 of this report and provide any additional direction.

Attachments:
1. Water Committee – Terms of Reference
2. Metro Vancouver Sustainability Framework Timeline for 2009 Priorities

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The Water Committee is the standing committee of the Metro Vancouver (MV) Board which provides advice and recommendations to the GVWD Board on water programs.

The GVWD is directly responsible for the regional systems for storage, treatment and distribution of water fit for drinking. The GVWD Board adopted a Drinking Water Management Plan in 2005. The Water Committee’s scope of work is focussed on how the implementation of this plan, including regional drinking water policies, projects and programs can contribute to the livability and sustainability of the region as part of the Sustainable Region Initiative.

The Water Committee is the forum to which staff report on water programs, projects and policies. The Committee’s responsibilities are:
- To review and monitor the annual work program for programs assigned to the committee and make recommendations to the GVWD Board, as necessary, on any changes in program scope and priorities;
- To consider staff reports on policies, projects and programs and make recommendations to the GVWD Board on the appropriate actions;
- To hear and consider public delegations on matters within the scope of the committee’s purview and, where appropriate, make recommendations to the GVWD Board arising out of such delegations;
- To pursue matters referred to the committee by the GVWD Board and report back to the Board expeditiously, as required.

In carrying out these responsibilities, the Committee may provide advice, guidance or direction to staff as to the scope and priority of work to be carried out, including new tasks to be undertaken. However, where such direction represents a sufficiently significant change in the previously approved work program, or a significant expenditure of funds, or runs contrary to the advice of professional staff, the Committee shall refer the matter to the Board, with appropriate recommendations, for decision by the Board.

The Committee Chair, or in the absence of the Committee Chair, the Committee Vice-Chair, will usually be the chief spokesperson on matters of public interest under the committee’s purview. Some matters may be of such public profile that it will be appropriate for the Board Chair or Vice-Chair to be the chief spokesperson; on technical matters or where the status is still at the staff proposal level, the Commissioner or senior staff may be the chief spokesperson. Where necessary and practical, the Board Chair, the Committee Chair and the Commissioner (or vice-chairs and deputy) will confer to determine the appropriate course of action.

The Commissioner will assign a departmental manager to be ‘duty manager’ to the Committee. The duty manager will be responsible for coordinating agendas and be the principal point of contact for committee members.
**Committee Meetings**

The Water Committee meets monthly, except for August and December and has special meetings as required. A quorum of 50% plus one of the Committee membership is required to conduct Committee business.

**Relationship with Other Board Committees**

Matters of overall budget and financing of the programs are the purview of the Finance Committee. Expenditures within the approved budget remain the purview of the Water Committee, but items which entail significant changes to the approved budget should be referred to the Finance Committee for their recommendation to the Board as well as the recommendation of the Water Committee.

Matters considered by the Water Committee may have implications for issues considered by other committees, in particular the Environment and Energy Committee, the Waste Management Committee, and the Regional Planning Committee. Similarly matters considered by other committees may have relevance for the Water Committee.

The duty manager will attempt to keep the committee apprised of significant reports with inter-committee implications.

**Committee Membership**

The Chair, Vice Chair, and members are appointed annually by the Chair of the MV Board of Directors.
## Timeline for 2009 Priorities

### 1.0 ENERGY

**Be a net contributor of energy by 2015**

*Seek alternate forms of energy*

<table>
<thead>
<tr>
<th>1.1 Continue to implement energy conservation projects and efficiency upgrades</th>
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<tbody>
<tr>
<td>a) Solar installation for Kingsway building</td>
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<td>b) Issue RFP for energy efficient aeration blower at Annacis</td>
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<td>c) Lighting upgrade at Lake City Operation Centre</td>
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<td>d) Lighting upgrades at North Shore transfer station</td>
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<thead>
<tr>
<th>1.2 Initiate energy projects in the utility areas - liquid waste, solid waste and drinking water</th>
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<tbody>
<tr>
<td>a) Drinking water: Complete conceptual design for Capilano hydro power</td>
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<td>b) Drinking water: Complete feasibility study for Or Creek run of river</td>
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<td>c) Liquid waste: Initiate Microsludge project at Lulu Island plant</td>
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<td>d) Liquid waste: Complete project at Lion's Gate to inject biogas into the Terasen gas pipeline</td>
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<tr>
<td>e) Liquid waste: Complete feasibility study for YVR/Iona WWTP effluent heat and biogas</td>
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<tr>
<td>f) Solid waste: Develop MoU with the City of Vancouver for East Fraserlands WTE district heat</td>
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| 1.3 Prepare a regional energy policy statement as part of the regional Climate Change Strategy |

### 2.0 AIR QUALITY

**Reduce diesel particulates by 75% from Metro Vancouver corporate sources by 2012**

<table>
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<tr>
<th>2.1 Identify further regulatory and non-regulatory actions that may be taken by Metro Vancouver to reduce regional emissions of diesel particulates</th>
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<tr>
<th>2.2 Initiate consultation on regulatory initiatives to reduce non-road diesel emissions</th>
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<tr>
<td>a) Consultation</td>
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<td>b) Proposals</td>
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<tr>
<th>2.3 Implement corporate fleet diesel engine emission guidelines and purchasing policies and advocate these for municipal and private fleets</th>
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| 2.4 Provide fulsome education on issues of particulates, especially as it relates to solid waste management |

### 3.0 GREENHOUSE GASES

**Be carbon neutral by 2012 excluding solid waste operations**

**Reduce regional greenhouse gases by 15% by 2015 and 33% by 2020**

| 3.1 Develop and implement a corporate Climate Change Strategy that continues to implement actions to reduce greenhouse gas emissions from Metro Vancouver's corporate operations and identifies indicators to measure and report on progress towards a carbon neutral goal. |

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*Note: The table includes a timeline with checkmarks indicating when certain actions were to be completed.*
<table>
<thead>
<tr>
<th>Priorities: Sustainability in Action</th>
<th>2009</th>
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<tbody>
<tr>
<td>3.2 Complete regional Climate Change Strategy that identifies actions and roles of different levels of government in achieving targets</td>
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</table>
### Priorities: Sustainability in Action

#### 4.0 DRINKING WATER

**Increase market share for tap water for drinking purposes by reducing bottled water by 20% by 2010**

**Reduce use of tap water for other purposes by 10% by 2010**

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<th>Priority</th>
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<tr>
<td>4.1 Complete the Seymour-Capilano Filtration Plant</td>
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<td>4.2 Implement Phase 2 of Tap Water Campaign - capitalize on commissioning of Seymour-Capilano Water Filtration Plant to enhance public understanding of the high quality of drinking water in Metro Vancouver</td>
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<td>a) Report to Committee - Communication Strategy/Campaign</td>
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<td>b) Municipal Tap Water Declarations - tap water info piece to be included in utility mailouts</td>
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<td>c) Tap Water Pledge</td>
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<td>e) Education/Awareness Campaign with commissioning of SCFP</td>
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<td>g) Phase 2 Drinking Water Survey</td>
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<td>h) &quot;It's the Water“ Campaign leading up to Olympics</td>
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#### 4.3 Undertake additional water conservation activities

- a) Report to Water Committee with conservation and water supply update for summer of 2009
- b) Implement and adapt lawn sprinkling regulations as needed
- c) Work with province on implementation of ultra low-flow fixtures for BC

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| 5.0 WASTE

**Divert 70% of solid waste from landfills by 2015**

**Increase energy-from-liquid-waste by 10% by 2012**

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<td>5.1 New diversion initiatives</td>
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<td>a) Organics management</td>
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<td>b) Roof shingles to asphalt</td>
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<td>c) Home renovation wood waste</td>
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<th>Priority</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
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<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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</thead>
<tbody>
<tr>
<td>5.2 Organics management - Communications Strategy</td>
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<tr>
<td>a) Opening of first organic waste collector facility media event</td>
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<tr>
<td>b) Gardenwise advertorial</td>
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<tr>
<td>c) Articles for food and hospitality sector publications - secure champions</td>
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<tr>
<td>d) Composting Council of Canada Annual Conference</td>
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<tr>
<td>e) Pumpkin Recycling Campaign</td>
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<tr>
<td>f) Fall clean-up campaign, Gardenwise and Sun's Going Green</td>
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<tr>
<td>g) Tree chipping campaign</td>
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</tbody>
</table>
### Priorities: Sustainability in Action

#### 5.3 Zero Waste Challenge Campaign

- Communication Strategy to Waste Management Committee
  - a) MF Recycling Pilot at MVHC properties - Complete Phase 1 (Research)  
  - b) Retail BC Sustainability Summit
  - c) Commence Phase 2 of MF Pilot (test interventions)
  - d) Launch Recycling Web Database - Report to Waste Management Committee supported by public and partner information campaign
  - e) ICI - Partner - ESABC and Retail BC to expand point of sale EPR campaign
  - f) Single use plastic bags - report to Waste Management Committee re public education campaign
  - g) ZWC presence at Earth Day events
  - h) Retail BC Future of Retail
  - i) EPIC - ZWC Event
  - j) Back to School computer disposal campaign
  - k) Holiday campaign

Managing non-recyclable waste

- a) Communication Strategy to Waste Management Committee
- b) Future of the Region Sustainability Dialogue
- c) Sustainability Community Breakfast

### 5.4 Initiate the Microsludge project at the Lulu Island plant

### 5.5 Complete the project at Lions Gate to inject excess biogas into the Terasen gas pipeline

### 6.0 HOUSING

**Provide a better stock of affordable housing by 2015**

#### 6.1 Establish needs based housing estimates and housing policies in the updated Regional Growth Strategy

#### 6.2 Develop guidelines and materials to support municipalities in the development of Housing Action Plans

#### 6.3 Work with the housing supply sector, housing finance sector, as well as the Province and other partners to explore potential fiscal tools and incentives to encourage new rental housing production as well as improve the viability of the rental housing stock.

#### 6.4 Design and deliver a public education and outreach program which demonstrates the benefits and opportunities of increased density and housing diversity
  - a) Define Strategy and integrate with the Regional Growth Strategy consultation process
<table>
<thead>
<tr>
<th>Priorities: Sustainability in Action</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Jan</td>
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<tr>
<td>6.5 Have four effective tenant committees actively involved in developing and managing community programs by the end of 2009</td>
<td></td>
</tr>
<tr>
<td>a) Develop tenant association constitution</td>
<td>x</td>
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<tr>
<td>b) Complete tenant handbook design/print</td>
<td>x</td>
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<tr>
<td>c) Establish at least ten associations</td>
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<tr>
<td>d) Establish at least five community gardens</td>
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<tr>
<td>e) Do a composting pilot project</td>
<td></td>
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<tr>
<td>f) Emergency preparedness handbook</td>
<td></td>
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<tr>
<td>g) Establish four certified crime-free sites</td>
<td></td>
</tr>
<tr>
<td>h) Complete green initiative pilots at one site (energy efficiency, recycling)</td>
<td></td>
</tr>
<tr>
<td>i) Create two more smoke free sites</td>
<td></td>
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<tr>
<td>6.6 Continue a multi-program approach to improve and preserve MVHC affordable housing through water ingress repairs, improved maintenance standards and preventative maintenance</td>
<td></td>
</tr>
<tr>
<td>a) Consolidate BC Housing/CMHC operating agreements, or amend existing agreements individually to address issues on subsidy targets, water ingress funding, rents, oversight, and reporting</td>
<td></td>
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<tr>
<td>b) Complete Kingston Phase 1 repairs</td>
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<tr>
<td>c) Award contract for Hugh Bird repairs</td>
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<tr>
<td>d) Complete Greystone repairs</td>
<td></td>
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<tr>
<td>e) Do Heather Place re-development review</td>
<td></td>
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<tr>
<td>f) Re-tender expired SOA’s</td>
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<tr>
<td>g) Complete Regal Place upgrades</td>
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<tr>
<td>h) Complete major re-roofing projects at Knightsbridge, Euclid, Crown</td>
<td></td>
</tr>
<tr>
<td>6.7 Maximize economic sustainability through tight financial management and cost controls</td>
<td></td>
</tr>
<tr>
<td>a) Establish market rent policy</td>
<td></td>
</tr>
<tr>
<td>b) Award contract for Regal Place operations</td>
<td></td>
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<tr>
<td>c) Award contract for Hugh Bird operations</td>
<td></td>
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<tr>
<td>d) Refinance Crown, Manor House, and Regal</td>
<td></td>
</tr>
<tr>
<td>e) Apply operating performance financial ratios, analyze results, optimize performance</td>
<td></td>
</tr>
<tr>
<td>f) Buy-out some remaining section 27 properties</td>
<td></td>
</tr>
<tr>
<td>g) Property management system efficiency tuning</td>
<td></td>
</tr>
</tbody>
</table>
### Priorities: Sustainability in Action

#### 7.0 AGRICULTURE

**Increase actively farmed land by 2012**

| 7.1  | Determine the amount of land that is currently actively farmed in the region | x |
| 7.2  | Investigate constraints to increasing the amount of land being farmed in the region | x |
| 7.3  | Identify and evaluate opportunities to increase actively farmed land, including urban agriculture | x |
| 7.4  | Initiate planning of the Colony Farm Academy in support of sustainable food production | x |
| a)  | Design brief information for charrette | x |
| b)  | Charrette for plan development | x |
| c)  | Draft plan to Committees/Board | x |
| d)  | Public information sessions | x |
| 7.5  | Ensure adequate water supply for agricultural purposes | x |
| 7.6  | Explore increased agricultural production at the Ashcroft Ranch | x |

#### 8.0 OUTDOOR RECREATION

**Increase visits to Metro Vancouver outdoor recreation space to 10 million by 2012**

| 8.1  | Complete planning for Surrey Bend Regional Park | x |
| 8.2  | a) Complete the Delta South Surrey Greenway pedestrian overpass | x |
| b)  | Open the new Burnaby Lake Viewing Tower | x |
| 8.3  | Pilot a new special event | x |
| a)  | Youth event | x |
| b)  | Colony Farm event | x |

#### 9.0 FINANCE

**Have in place financial sustainability mechanisms for all Metro Vancouver services by 2012**

| 9.1  | Working towards overall targets, build financial sustainability mechanisms into Solid Waste and Liquid Waste Management Plans as they evolve (JR) | x |
| 9.2  | Identify senior government funding in MV major capital priorities | x |
| 9.3  | Update "Financial Challenges Facing the Region" presentation to support on-going lobbying strategy | x |
| 9.4  | Asset Management Long Range Plan | x |
| 9.5  | 2010 budgets (operating and capital) | x | x | x | x |
To: Water Committee

From: Frank Huber, Engineering Support and Technical Services Division Manager
Engineering & Construction Department

Date: February 2, 2009

Subject: 2009 GVWD Capital Projects

Recommendation:

That the Committee receive the report titled “2009 GVWD Capital Projects” dated February 2, 2009 for information.

1. PURPOSE

The purpose of this report is to inform the Committee of the capital projects under its purview for 2009, as approved by the Board on October 31, 2008.

2. CONTEXT

Programs and priorities of the Water Committee for 2009 were reviewed and endorsed at its October 2008 meeting. This report summarizes the individual capital projects included in the above-noted programs.

As part of the Long Range Plan and annual budget process, a determination is made of the capital projects that are required in order to continue to meet Metro Vancouver’s service obligations. This is done through a senior level capital planning team which prioritizes each project on the basis of several criteria. Typically in May of each year, when the updated draft Long Range Capital Plan is prepared, each municipality is provided with copies for their review and comment. Comments received are considered in finalizing the draft plan commencing in late July, for incorporation into the annual budget.

The projects within the various GVWD capital programs are referenced in the Program summaries (Grey Book) and the Budget and Long Range Information (Blue Book) distributed to Committee and Board members in the fall of each year as part of the annual budget process.

For 2009, water capital projects account for approximately $257 million of the $417 million capital budget with approximately $160 million allocated to liquid waste and solid waste capital projects. Budgeted water capital expenditures for the Drinking Water Treatment Program total $161 million, approximately 63% of the total water capital expenditure.
GVWD capital projects expected to commence in 2009 and projects “approved in progress” are summarized for reference purposes on Attachment No. 1.

In accordance with the capital expenditure reporting process approved by the Board, interim status reports are provided to the Waste Management, Water, and Finance Committees in June and October, with a final year-end report to the Committees and Board in April.

Attachment 1: 2009 GVWD Capital Projects Map

4860804
Water Committee Meeting: February 11, 2009

To: Water Committee  

From: Mark Ferguson  
Water & Wastewater Treatment Engineering Division Manager  
Engineering and Construction Department  

Date: January 16, 2009  

Subject: Seymour-Capilano Filtration Project – Project Status

Recommendation:

That the Board receive the report titled “Seymour-Capilano Filtration Project – Project Status”, dated January 16, 2009 for information.

1. PURPOSE

To advise the Committee and Board of the status of the Seymour-Capilano Filtration Project to December 31, 2008.

2. CONTEXT

Implementation Status

a) Design: Detailed design for the project is substantially complete.

b) Materials and Equipment Procurement: The energy recovery turbine is the largest equipment item remaining to be procured. Final negotiations with the preferred vendor for supply and installation of this equipment are now underway. Further discussions regarding the Load Displacement Incentive grant are also in progress with BC Hydro.

c) Construction: The construction status for each major component of the project is summarized as follows:

i) Capilano Pumping Station (Kingston Construction Ltd.)

- Construction is complete.
- The station will be maintained in operational readiness for the completion of the twin tunnels needed to deliver water to and from the new filtration plant.
ii) **Break Head Tank and Energy Recovery Facility (Kingston Construction Ltd.)**

- The Break Head Tank construction is complete.
- Remaining work on the Energy Recovery Facility includes turbine installation and electrical connections.
- Overall completion is 75%. Projected substantial completion for the Energy Recovery Facility is late 2010.

iii) **Twin Tunnels**

- The interim contractor (Procon Mining and Tunnelling Ltd.) continued to maintain tunnel ventilation and dewatering, and to undertake TBM maintenance and tunnel support remedial work to prepare the tunnels for the tunnels completion contract.
- Documents for the tunnels completion contract were issued to the three short-listed contractor teams in October 2008, with submissions due January 23, 2009. Award and mobilization is expected in March 2009.
- Manufacture of welded steel liner pipe for the Capilano and Seymour ends of the tunnels continues at Northwest Pipe in California. Manufacturing, including lining and coating work, is approximately 45% complete. Delivery of the liner pipe to Metro Vancouver’s temporary storage site adjacent to the Annacis Island Wastewater Treatment Plant continues with 26% of pipe received.
- Overall completion is 48% to the end of December. Projected completion is late 2011.

iv) **Filtration Plant (NAC Constructors Ltd.)**

- The contractor has completed all of the concrete work for the plant. Piping, heating and ventilation, and electrical/instrumentation work continues. Final architectural work continues for all buildings and the base course asphalt pavement has been placed on site.
- Filter media washing and placement is underway under a separate supply contract and is about 60% complete.
- Testing of components of the process systems is underway.
- Installation and testing of lamps for the UV disinfection units started in November and is about 45% complete.
- Overall completion is 92%. Projected substantial completion for construction is March 2009, with start-up and commissioning in spring 2009.

v) **Clearwells (Graham Industrial Services Ltd.)**

- Clearwells construction and landscaping is substantially complete.
Financial Status

Overall project completion has reached 80% at December 31, 2008. The project is within budget for the work completed to date. For the remaining 20% of the work yet to be completed, areas of cost uncertainty include:

- Energy recovery equipment and electrical connection costs
- Unforeseen ground conditions (tunnels)
- Schedule extension (filtration plant and tunnels)
- Cost recoveries and claims from third parties (filtration plant and tunnels).

The project budget as of December 31, 2008 is summarized as follows:

### Seymour-Capilano Filtration Project Cost Summary

<table>
<thead>
<tr>
<th>Project Component</th>
<th>Budget</th>
<th>Committed to Date</th>
<th>Expended to Date</th>
<th>Projected Final Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Project Management</td>
<td>$4,500,000</td>
<td>$4,496,000</td>
<td>$4,496,000</td>
<td>$4,496,000</td>
</tr>
<tr>
<td>Capilano Pump Station / Break Head Tank / Energy Recovery Facility</td>
<td>$87,300,000</td>
<td>$66,300,000</td>
<td>$64,970,860</td>
<td>$73,300,000</td>
</tr>
<tr>
<td>Twin Tunnels (see note 4)</td>
<td>$200,300,000</td>
<td>$146,600,000</td>
<td>$104,056,541</td>
<td>$193,400,000</td>
</tr>
<tr>
<td>Filtration Plant and Clearwells</td>
<td>$307,900,000</td>
<td>$308,600,000</td>
<td>$303,864,310</td>
<td>$326,200,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$600,000,000</strong></td>
<td><strong>$525,996,000</strong></td>
<td><strong>$477,387,711</strong></td>
<td><strong>$597,396,000</strong></td>
</tr>
</tbody>
</table>

Notes: 1. Costs are net of GST rebate
2. Provincial ($18M) and Federal/Provincial ($100M) infrastructure grants are not included in the above totals, but will be incorporated into the water rate as reduced funding needs.
3. BC Hydro grants for filtration plant geo-exchange ($100,000) and Capilano energy recovery ($800,000) are not included in the above totals, but will be incorporated into the water rate as reduced funding needs.
4. The projected final cost of the twin tunnels component will be dependent upon the results of the pending completion contract and future litigation.
5. Overall project completion: 80% to December 31, 2008.

### 3. ALTERNATIVES

No alternatives presented.
4. CONCLUSION

Quarterly status reports for the construction phase of the Seymour-Capilano Filtration Project have been provided to the Water Committee and Board since the beginning of 2005. This is the final report for 2008. Detailed design is complete and all of the major construction contracts are nearing completion, except for the twin tunnels. Overall completion of the project is 80% as of the end of December 2008, with filtration of Seymour and Capilano source waters scheduled for spring 2009 and late 2011, respectively.
To: Water Committee

From: Paulette Vetleson, Corporate Secretary, Corporate Secretary’s Department

Date: February 4, 2009

Subject: 2009 Water Committee Meeting Dates

Recommendation:
That the Water Committee establish the day, hour and place for its 2009 regular meetings as follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, February 11</td>
<td>9:00 a.m.</td>
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<tr>
<td>Wednesday, March 11</td>
<td>9:00 a.m.</td>
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<td>Wednesday, April 8</td>
<td>9:00 a.m.</td>
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<td>Wednesday, May 13</td>
<td>9:00 a.m.</td>
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<td>Wednesday, June 10</td>
<td>9:00 a.m.</td>
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<td>Wednesday, July 15</td>
<td>9:00 a.m.</td>
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<td>Wednesday, September 9</td>
<td>9:00 a.m.</td>
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<tr>
<td>Wednesday, October 14</td>
<td>9:00 a.m.</td>
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<tr>
<td>Wednesday, November 18</td>
<td>9:00 a.m.</td>
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</table>

Meetings will be held in the 2nd floor boardroom, 4330 Kingsway, Burnaby, British Columbia unless otherwise specified on the Metro Vancouver public notice board, Metro Vancouver website, and the respective agenda.

1. PURPOSE

To establish the day, hour and place of committee meetings.

2. CONTEXT

The Procedure Bylaw requires the board and committees to decide from time to time by resolution the day, hour and place its regular meetings will be held.

Scheduling meetings considers the timing for the board, 11 standing committees, four advisory committees, and sub committees, as well as statutory holidays, conferences for elected officials, FCM and MFA annual meetings, and spring break.

3. ALTERNATIVES

None presented.

4. CONCLUSION

The committee will have met the requirements of the board Procedure Bylaw by establishing the day, hour and place of its regular meetings, and the public can plan to attend such meetings.