



**Liquid Waste Management Plan Consultation
LWMP Reference Panel
Recommendations and Metro Vancouver Responses**

#	Recommendation	Response
1	Call the Plan <i>A Liquid Resource Management Plan for Metro Vancouver.</i>	The Waste Management Committee and Reference Panel's recommendations are accommodated in the plan in a manner to be acceptable to the Minister. For the updated plan, staff proposes a new title that accommodates all the perspectives: <i>Integrated Liquid Waste and Resource Management Plan: A Liquid Waste Management Plan for the GVS&DD and Member Municipalities.</i>
2	Adopt the goal of moving from protect to improve the Natural Environment over time.	The Panel's recommendation is accommodated at a higher level by the statement of principles in the Sustainability Framework. The legal context for the plan is the 'Environmental Protection Act' and one of the three principles of the Board's Sustainability Framework is to: "Protect and Enhance the Natural Environment".
3	Undertake more extensive monitoring of the long-term cumulative impacts of multiple contaminants in effluents (both from point and non-point sources).	The Liquid Waste Management Plan (LWMP) proposes an Integrated Utility Management Advisory Committee (IUMAC) which will be responsible for overseeing the current Environmental Monitoring Committee (EMC). The EMC will continue to provide advice on monitoring programs, which are expected to continue to evolve during this plan as Canada-wide Strategy for the Management of Municipal Wastewater Effluent (CWS-MMWE) needs are identified and addressed.
4	Resolve the persistent and costly sanitary <i>Inflow & Infiltration</i> issue by acting on policy and legal tools that enable municipalities to implement timely and appropriate measures on private property.	The LWMP has been amended after discussions with Regional Engineer's Advisory Committee (REAC) to include requirements for municipal inflow and infiltration management plans.
5	Re-focus <i>Integrated RAINwater/Stormwater Management Plans</i> on watershed targets and outcomes so that there are clear linkages with the land use planning and development approval process.	The LWMP is consistent with the general intent of the Panel's recommendation. The specific intent will be the subject of individual municipal stormwater management plans.

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6	Mandate a renamed and 'new SILG' (Stormwater Interagency Liaison Group) to spearhead a regional team approach to develop policy, legal and technical tools that will enable 'integrated solutions' for rainwater management, green infrastructure and integrated resource recovery.	The IUMAC and its subcommittees (SILG and EMC) will encompass the responsibilities recommended by the Reference Panel.
7	Implement a consistent region-wide approach to neighbourhood (re)development and building design that integrates rainwater management, green infrastructure and integrated resource recovery.	<p>Although the underlying principle is acceptable, the specific recommendation is beyond the mandate of the LWMP.</p> <p>The IUMAC will facilitate a more consistent region-wide approach through its mandate linking and integrating the LWMP with other plans.</p> <p>In addition, a more inclusive, approach is being developed by Metro Vancouver to better integrate and align all Metro Vancouver plans and Sustainability Framework.</p>
8	<p>Adopt the following four objectives as the guiding framework so that the Plan ensures a flexible and adaptable approach to regional sewage treatment that strives for continuous improvement over time:</p> <ol style="list-style-type: none"> 1) manage liquid discharges as a resource 2) minimize discharges 3) minimize financial risk, and 4) maximize the quality of the discharges. 	The intent of the Panel's recommended objectives are supported by LWMP strategies. However, the current goals are broader and have been well vetted with the public and municipalities.
9	Commit to constructing advanced treatment plants in the North Shore and Vancouver Sewerage Areas no later than 2020.	The LWMP contains an action to provide secondary level wastewater treatment for the North Shore and Vancouver sewerage areas. Based on CWS-MMWE, Lions Gate should proceed within a 10-year timeline and Iona Island within a 20-year timeline.

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10	Conduct business case assessments for <i>Integrated Resource Recovery</i> (IRR) before proceeding with the engineering for replacement treatment plants in the North Shore and Vancouver Sewerage Areas, and still meet the 2020 commitment.	The Panel's recommendation is accommodated in the LWMP.
11	Strive to achieve Integrated Resource Recovery progress incrementally by committing to business casing (using life cycle accounting approach) through community-scale opportunities such as the <i>UBC Living Laboratory: Integrated Water and Energy Project</i> .	The Panel's recommended approach is current Metro Vancouver practice and the plan includes IRR business casing in each sewerage area.
12	Ensure effective source control in the industrial-commercial-institutional sector, and ultimately in the residential sector too, by providing additional financial incentives, enforcement resources and automated monitoring technologies.	The Panel's recommendation is reflected in the plan through a commitment to improved source control programs.
13	Move from a facility-specific approach to a total system way-of-thinking about financing, constructing, operating and maintaining regional conveyance and treatment infrastructure.	Metro Vancouver's current practices address this recommendation.
14	Increase the amortization period for treatment plant financing from 15 years to 30 years to achieve inter-generation equitability.	Given the pattern of expenditures over the total Metro Vancouver utility systems, inter-generation equitability is better served by a fifteen year amortization period, which is the Board's current policy.
15	Direct that rate-setting will adopt and implement the principles of 'polluter pay' and equity to provide municipalities (and homeowners and businesses) with an incentive to reduce their wet-weather flow contributions to the regional conveyance and treatment system.	After further discussion with REAC, the plan has been strengthened to reflect this recommendation.

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16	Develop major capital projects in a manner that demonstrates value for money, including protecting ratepayers / taxpayers from the risks associated with these major projects.	Metro Vancouver's current practice addresses this recommendation.
17	Establish a "stewarding committee" to steward the Plan, and ensure ongoing action implementation occurs and stays true to the vision.	<p>The plan contains a new IUMAC which will provide a regular commentary on the plan. Additionally, the plan provides for periodic formal public accountability sessions associated with the biennial review of the plan.</p> <p>The Board and its standing committees retain responsibility for ensuring the implementation of the plan occurs in a timely fashion, consistent with the vision.</p>
18	Develop and implement a proactive and innovative education and communication plan that builds broad-based public support for liquid resource and rainwater management.	The Panel's recommendation is reflected through Metro Vancouver's current practices and is included in the plan. Communication strategies specific to liquid waste management will continue to be developed to achieve clear and specific objectives under the direction of the GVS&DD Board and its standing committees.
19	Continue to implement and strengthen inter-departmental and inter-governmental continuing education opportunities for Metro Vancouver members that align local actions with provincial and regional goals, and result in consistent expectations for region-wide implementation of Plan elements.	Mechanisms are in place to achieve the objectives set out in the Reference Panel recommendation.