

**METRO VANCOUVER REGIONAL DISTRICT
FLOOD RESILIENCY TASK FORCE**

REGULAR MEETING

Wednesday, October 26, 2022

1:00 pm

**Meeting conducted electronically pursuant to the Procedure Bylaw
28th Floor Boardroom, 4515 Central Boulevard, Burnaby, British Columbia
Webstream available at <http://www.metrovancouver.org>**

A G E N D A¹

1. ADOPTION OF THE AGENDA

1.1 October 26, 2022 Regular Meeting Agenda

That the Flood Resiliency Task Force adopt the agenda for its regular meeting scheduled for October 26, 2022 as circulated.

2. ADOPTION OF THE MINUTES

2.1 June 22, 2022 Regular Meeting Minutes

That the Flood Resiliency Task Force adopt the minutes of its regular meeting held June 22, 2022 as circulated.

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3. DELEGATIONS

4. INVITED PRESENTATIONS

4.1 Chief Tyrone McNeil, Chair, Emergency Planning Secretariat

Subject: Build Back Better Together Initiative

4.2 Steve Litke, Director, Water Programs, Fraser Basin Council

Subject: Lower Mainland Flood Management Strategy Update

5. REPORTS FROM COMMITTEE OR STAFF

5.1 Manager's Report

That the Flood Resiliency Task Force receive for information the report dated October 18, 2022 titled "Manager's Report".

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

6. OTHER BUSINESS

7. BUSINESS ARISING FROM DELEGATIONS

8. 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.

9. ADJOURNMENT/CONCLUSION

That the Flood Resiliency Task Force adjourn/conclude its regular meeting of October 26, 2022.

Membership:

Dingwall, Bill (C) – Pitt Meadows
Hodge, Craig (VC) – Coquitlam
Guerra, Laurie – Surrey
Harvie, George – Delta

Hillman, Mike – Burnaby
McCutcheon, Jen – Electoral Area A
Morden, Mike – Maple Ridge
Puchmayr, Chuck – New Westminster

Richter, Kim – Langley Township
Steves, Harold – Richmond
West, Brad – Port Coquitlam
Wiebe, Michael – Vancouver

**METRO VANCOUVER REGIONAL DISTRICT
FLOOD RESILIENCY TASK FORCE**

Minutes of the Regular Meeting of the Metro Vancouver Regional District (MVRD) Flood Resiliency Task Force held at 1:00 p.m. on Wednesday, June 22, 2022 in the 28th Floor Boardroom Room, 4515 Central Boulevard, Burnaby, British Columbia.

MEMBERS PRESENT:

Chair, Mayor Bill Dingwall*, Pitt Meadows (arrived at 1:33 p.m.)
 Vice Chair, Councillor Craig Hodge*, Coquitlam
 Mayor Brad West*, Port Coquitlam (arrived at 1:01 p.m.)
 Mayor Mike Morden*, Maple Ridge (arrived at 1:09 p.m.)
 Councillor Chuck Puchmayr, New Westminster
 Councillor Mike Hillman, Burnaby
 Councillor Mike Wiebe*, Vancouver
 Councillor Harold Steves*, Richmond
 Councillor Kim Richter*, Township of Langley
 Director Jen McCutcheon*, Electoral Area A

MEMBERS ABSENT:

Councillor Laurie Guerra, Surrey
 Mayor George Harvie, Delta

STAFF PRESENT:

Neal Carley, General Manager, Parks and Environment
 Rapinder Khaira, Legislative Services Coordinator, Board and Information Services

In the Chair's absence, Vice Chair Hodge assumed the Chair and called the meeting to order.

1. ADOPTION OF THE AGENDA

1.1 June 22, 2022 Regular Meeting Agenda

It was MOVED and SECONDED

That the Flood Resiliency Task Force adopt the agenda for its regular meeting scheduled for June 22, 2022 as circulated.

CARRIED

1:01 p.m. Mayor West arrived at the meeting.

*denotes electronic meeting participation as authorized by Section 3.6.2 of the *Procedure Bylaw*

2. ADOPTION OF THE MINUTES

2.1 April 20, 2022 Regular Meeting Minutes

It was MOVED and SECONDED

That the Flood Resiliency Task Force adopt the minutes of its regular meeting held April 20, 2022 as circulated.

CARRIED

3. DELEGATIONS

No items presented.

4. INVITED PRESENTATIONS

4.1 Linda A. Brown, Mayor, City of Merritt

Linda A. Brown, Mayor, City of Merritt, spoke to members regarding challenges related to the flooding of the Coldwater River, highlighting problems in the local and provincial emergency response system and funding delays from the provincial government and federal government.

1:09 p.m. Councillor Morden arrived at the meeting.

1:33 p.m. Chair Dingwall arrived at the meeting and assumed the Chair.

4.2 Steve Litke, Director, Water Programs, Fraser Basin Council, Lower Mainland Dike Assessment Update

Steve Litke, Director, Water Programs, Fraser Basin Council, Lower Mainland Dike Assessment Update, provided the Flood Resiliency Task Force with a presentation on the Dike Assessment's deliverables, sample results and suggested next steps arising from the Surveyed Dike Crest analysis.

Presentation material titled "Comparison of Surveyed Dike Crests with Modelled Fraser River Freshet Scenarios" is retained with the June 22, 2022 Flood Resiliency Task Force agenda.

It was MOVED and SECONDED

That the Flood Resiliency Task Force receive for information the presentation from Steve Litke, Director, Water Programs, Fraser Basin Council provided on June 22, 2022, titled "Comparison of Surveyed Dike Crests with Modelled Fraser River Freshet Scenarios".

CARRIED

5. REPORTS FROM COMMITTEE OR STAFF

5.1 Metro Vancouver's Emergency Response – Flood Preparedness

Brant Arnold-Smith, Program Manager, Corporate Services providing the Flood Resiliency Task Force with a verbal presentation on Metro Vancouver's preparedness for Fraser River freshet 2022 and a lower Fraser River forecast.

Discussion ensued regarding the pace of the snowmelt and the environmental impact.

Presentation material titled "Metro Vancouver Emergency Management – Fraser River Freshet 2022" is retained with the June 22, 2022 Flood Resiliency Task Force agenda.

It was MOVED and SECONDED

That the Flood Resiliency Task Force receive for information the presentation from Brant Arnold-Smith, Program Manager, Corporate Services, provided on June 22, 2022, titled "Metro Vancouver Emergency Management – Fraser River Freshet 2022".

CARRIED

5.2 Task Force Feedback to Lower Mainland Flood Management Strategy Leadership Committee

Steve Litke, Director, Water Programs, Fraser Basin Council, and Neal Carley, General Manager, Parks and Environment provided the Flood Resiliency Task Force with a verbal presentation on the status and next steps of the Lower Mainland Flood Management Strategy, challenges identified on the strategies developed to-date and highlighted key roles of the Leadership Committee and Joint Program Committee.

Members discussed providing feedback to Vice Chair Hodge to brief the Leadership Committee of the Lower Mainland Flood Management Strategy on:

- needing an action plan to address immediate issues;
- needing predictable and reliable provincial and federal funding to meet the needs of all communities facing the threat of flooding;
- needing regional collaboration between member jurisdictions to develop a unified voice;
- creating greater representation from First Nations on the Leadership Committee; and
- imploring the provincial government to reverse the decision to download the dikes and flood infrastructure onto local authorities and to take back the responsibility of diking and flood infrastructure with a system of local government and first nations input.

Presentation material titled “Task Force Feedback to Lower Mainland Flood Management Strategy Leadership Committee” is retained with the June 22, 2022 Flood Resiliency Task Force agenda.

It was MOVED and SECONDED

That the Flood Resiliency Task Force request that Vice Chair Hodge share the feedback from the June 22, 2022 Flood Resiliency Task Force to the Lower Mainland Flood Management Strategy Leadership Committee to assist in developing the strategic direction.

CARRIED

5.3 Manager’s Report

Report dated June 14, 2022 from Neal Carley, General Manager, Parks and Environment providing the Flood Resiliency Task Force with an update on the Dike Vulnerability Assessment, First Nations Engagement with the Task Force and the Task Force Site Tour.

Members were provided with a verbal update on the details of the Build Back Better Together session to be held on July 14, 2022.

It was MOVED and SECONDED

That the Flood Resiliency Task Force receive for information the report dated June 14, 2022, titled “Manager’s Report”.

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

No items presented.

10. ADJOURNMENT/CONCLUSION

It was MOVED and SECONDED

That the Flood Resiliency Task Force conclude its regular meeting of June 22, 2022.

CARRIED

(Time: 2:52 p.m.)

Rapinder Khaira,
Legislative Services Coordinator

Bill Dingwall, Chair

53563577 FINAL

To: Flood Resiliency Task Force

From: Neal Carley, General Manager, Parks & Environment

Date: October 18, 2022 Meeting Date: October 26, 2022

Subject: **Manager's Report**

RECOMMENDATION

That the Flood Resiliency Task Force receive for information the report dated October 18, 2022 titled "Manager's Report".

Flood Resiliency Task Force 2022 Work Plan

Attachment 1 to this report sets out the Task Force's Work Plan for 2022. The status of work program elements is indicated as pending, in progress, or complete. The listing is updated as needed to include new issues that arise, items requested by the Committee, and changes to the schedule.

2022 UBCM Resolutions Related to Flood Resiliency

Several resolutions relating to flood resiliency were put forward and endorsed at the 2022 Union of British Columbia Municipalities (UBCM) convention that took place in Whistler from September 12 – 16, 2022 (Attachment 2). The resolutions included a call for the Province of British Columbia to significantly increase the level of funding and assume greater responsibility for flood preparedness and mitigation, including that the Province be re-established as diking authority in all local governments.

Vice-Chair Hodge was also an organizer of the panel for Lessons from an Atmospheric River: Insights for Local Governments held on September 15, 2022 at the UBCM Conference.

Lower Mainland Flood Management Strategy

A Fraser Basin Council summary and next steps for the Flood Management Strategy to September 21, 2022 is attached (Attachment 3). The Local Government Caucus of the Leadership Committee met on July 6, 2022 to discuss the Leadership Committee's terms of reference, First Nations participation and engagement, and options for completion of the LMFMS. The Leadership Committee was also scheduled to meet on October 21, 2022.

Build Back Better Together – July 14, 2022 Workshop

Vice-Chair Hodge and Director Hocking attended the July 14, 2022 Build Back Better Together full-day workshop organized by the Emergency Planning Secretariat.

Attachments

1. Flood Resiliency Task Force 2022 Work Plan, dated October 18, 2022
2. Endorsed 2022 UBCM Resolutions Related to Flood Resiliency, dated October 18, 2022
3. Briefing from Fraser Basin Council to Metro Vancouver, dated September 21, 2022

Flood Resiliency Task Force 2022 Work Plan

Report Date: October 18, 2022

Priorities

1 st Quarter	Status
Review the <i>Lower Mainland Flood Management Strategy</i>	Completed
Review impacts on the region and Metro Vancouver Regional District members by the severe flooding in November and December of 2021	Completed
2 nd Quarter	
Identify the high level status of Metro Vancouver infrastructure for flood resiliency	Completed
Identify the high level status of flood risk assessments by member jurisdictions	In Progress
Identify risks and gaps in the existing infrastructure to mitigate flooding	In Progress
Identify estimated short term capital investment to repair damage to the infrastructure from recent floods	In Progress
Identify outreach and feedback opportunities with MVRD members, Fraser Valley Regional District, First Nations, diking authorities/committees, provincial government, and Federal government	In Progress
Identify estimated longer term capital investment to bring infrastructure to withstand predicted flooding due to climate change	Pending
Task Force Tour of Flood Resiliency Works	In Progress
3 rd Quarter	
Consider Metro Vancouver regional priorities and issues for the Lower Mainland Flood Management Strategy	Pending
4 th Quarter	
Identify roles and responsibilities of all orders of government to financing, developing, and maintaining the infrastructure	Pending

Endorsed 2022 UBCM Resolutions Related to Flood Resiliency – October 18, 2022

Resolution Number	Resolution Title	Jurisdiction	Resolution Summary	Results
SR3	Provincial Responsibility for Flood Protection	UBCM Executive	For the Province of British Columbia significantly increase its level of funding, assume greater responsibility for flood preparedness and mitigation, and that the Province be re-established as diking authority in all local governments.	Endorsed
NR24	Emergency Equipment Provincial Procurement	Port Hardy	For the provincial government to provide opportunities for local governments to purchase emergency equipment through the Provincial Procurement Services Branch in order to reduce the cost of this equipment for local governments	Endorsed
NR28	Support Flood Recovery that Creates Safe Communities and Healthy, Resilient Ecosystems	Port Moody	For federal and provincial governments to ensure flood control projects provide multiple benefits to communities by aligning flood control funding and criteria with other core objectives such as reconciliation, wild salmon recovery, biodiversity, green infrastructure, climate adaptation and mitigation, emergency preparedness and “building back better”; and for Fisheries and Oceans Canada, BC Ministry of Forests and Ministry of Land, Water and Resource Stewardship co-create Best Management Practices to provide technical guidance for local governments on achieving short-and long-term flood recovery needs that are multi-beneficial and improve climate adaptation needs.	Endorsed
NR29	Raising the Disaster Financial Assistance Cap	Fraser Valley RD, LMLGA Executive	For the Province of British Columbia and Emergency Management BC to increase the DFA limit on homeowner applications and consider implementing a framework that ties DFA compensation to BC Assessment values.	Endorsed
NR41	Climate Risk and Vulnerability Assessment	Islands Trust	For the Province of British Columbia to fund and support the development and integration of climate risk and vulnerability assessments into Official Community Plan review processes	Endorsed

Briefing from Fraser Basin Council to Metro Vancouver – September 21, 2022

Lower Mainland Flood Management Strategy (LMFMS or Flood Strategy)

- FBC supports, facilitates, and coordinates a collaborative initiative to reduce flood risk for communities throughout the Lower Mainland. Work in the current year has focused on:
 - Strengthening the LMFMS development process through the Leadership Committee, associated caucuses, and drafting a comprehensive Terms of Reference.
 - Comparing recently surveyed dike crest elevations with modelled water levels for the 20-, 50-, 100-, 200-year and 1894 Fraser River freshet floods. This information was sent to diking authorities to inform freshet preparedness and planning, and could also inform short, medium, and longer-term flood mitigation projects.
 - Implementing improvements to the regional flood model, including an updated software version, recent dike survey data, and refinements to the model mesh to improve accuracy.
 - Synthesizing the results of phase 1 and phase 2 LMFMS technical projects, regarding flood hazards, vulnerabilities, risks, and risk reduction; and how these findings can inform flood strategies.
 - Updating FloodWise.ca, including updates on the LMFMS process and related projects, as well as information on atmospheric rivers.
- The LMFMS Leadership Committee, which includes representatives from Metro Vancouver (Chair Dhaliwal, Director Hocking and Director Hodge), met on November 8, 2021, and February 7, 2022. The Local Government Caucus (Leadership Committee members representing local governments in the MVRD and Fraser Valley Regional District) met on July 6, 2022.
- The FBC staff team has presented regularly on the LMFMS at meetings of Metro Vancouver's Flood Resiliency Task Force (February, April, June, July), and participated in a field tour organized by the Task Force on June 29, 2022.
- Next steps are to:
 - Publish and disseminate a Synthesis of Technical Analysis report.
 - Convene the next meeting of the Leadership Committee, proposed for late October 2022.
 - Convene the next meeting of the Joint Program Committee (JPC), which includes staff from Metro Vancouver and member municipalities, proposed for late October.
 - Seek input from the Leadership Committee, JPC, and participating organizations to review and refine the draft comprehensive Terms of Reference.
 - Develop a regional scale "heat map" with overlays of information on the condition and height of flood protection dikes, seismic vulnerability of dikes, the relative magnitude of consequences of dike failures, and other related information.
 - Develop a Pathways to Action report, outlining issues where LMFMS engagement has revealed broad support, areas where further discussion and dialogue is required to clarify a common direction, and recommended pathways to resolve outstanding issues and move to action on flood risk reduction.