

Minnekhada Regional Park

# Regional Emergency Management in a Changing Hazard Landscape

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### **AGENDA**

- Regional Overview
- Climate Change Impacts
- Emergency Response
- Disaster Debris Management
- Lessons Learned & Solutions



Helicopters bucketing affected areas



23 Member Jurisdictions

2.8 Million Residents

53% of BC population

61% of BC GDP

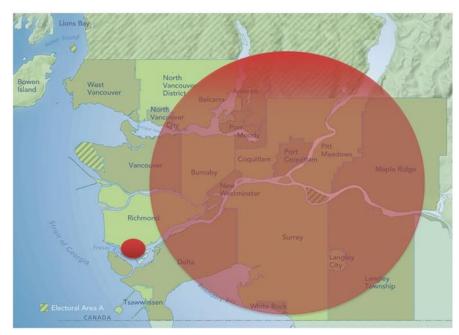
**\$7 billion** critical infrastructure investments over the next 5 years



#### **EVENTS OF REGIONAL EMERGENCY SIGNIFICANCE**

A major event that has (or has the potential to have) an extraordinary level of risk to lives, property, environment, social and/or economic well being across jurisdictional boundaries in the region, which could require one or more of the following:

- Non-routine levels of coordination
- Sharing of situational awareness information
- Joint decision making
- Prioritizing resources
- Allocating resources
- Response by multiple stakeholders, agencies and jurisdictions



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### A FEW STATS & FACTS



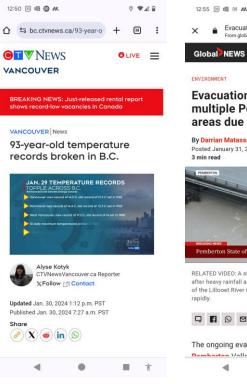
- BC warmed an average of 1.4 °C per from 1900 to 2013, largely due to increased greenhouse gases from human activity<sup>1</sup>.
- Province-wide average annual precipitation increased by an average of 12% (from 10 to 21% by region) from 1900 to 2013<sup>2</sup>.
- In 2023, Canada experienced 6,623 wildfires burning 18,401,197 Ha, the 10-year average is 5,597 fires consuming 2,751,161 Ha<sup>3</sup>.
- Between April 1 and October 31, BC experienced 2,245 wildfires resulting in a provincial state of emergency for a total of 28 days⁴.
- The province of BC had 3 provincial declarations of emergency between 1948 and 2013, it has had 6 since 2017.

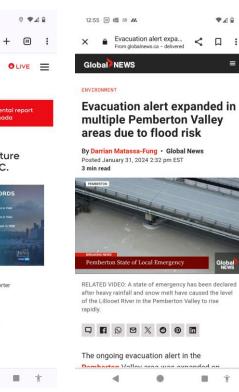
# **LIVING THE CHANGE:** Examples from the last month....











#### **EMERGENCY RESPONSE**

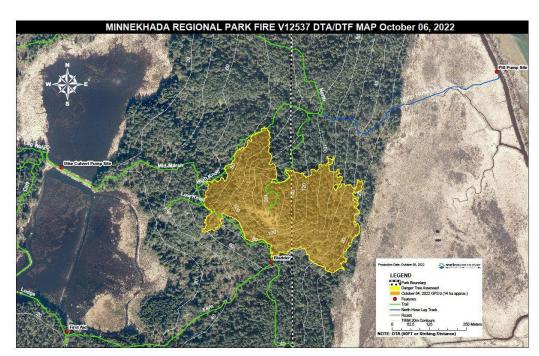
- Minnekhada Regional Park Wildfire
- Peaked at 14 hectares
- By end of day by Tuesday October 4, 100% contained and hose wrapped
- 50-foot wet line around the fire perimeter
- By Wednesday, October 5, the fire had been reduced to a slow creeping ground fire
- BC Wildfire Service classified the fire as "under control"
- Intermittent smoke remained visible from isolated hot spots



MV Crews douse ground fire

#### **EMERGENCY RESPONSE**

- Implement Emergency
   Management Plans, Emergency
   Response Plans, and Incident
   Action Plan
- Activate Incident Command Post and Emergency Operations Centre
- Take proactive measures to protect residents, responders, and assets
- Liaise with partnering municipalities



Minnekhada Regional Park Aerial View

## **DELTA TRAIN DERAILMENT**

Derailed rail cars



Metro Vancouver liquid waste line lightly buried

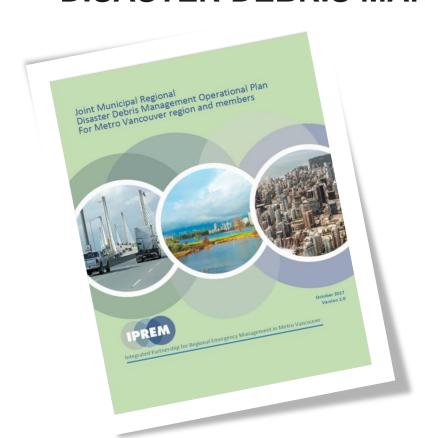
Approx. 18,000 L of diesel from locomotives

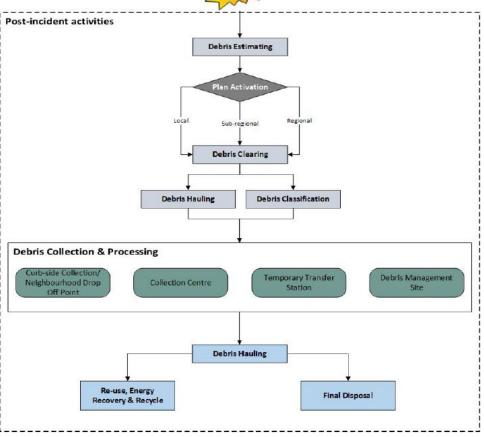
1 of 3 LPG (propane) cars derailed

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## **DISASTER DEBRIS MANAGEMENT**







#### **LESSONS LEARNED & SOLUTIONS**

- ✓ Disasters know no boundaries
- √ BC adopted the UN Sendai Framework for Disaster Risk Reduction in 2018
- ✓ Emergency Management BC is now Emergency Management & Climate Readiness BC
- ✓ In the past year, BC has adopted the new Emergency and Disaster Management Act to reflect the changing world and integrate adaptation commitments.
- ✓ Increased focus and capacity





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# Thank you

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Together we make our region strong