

Emergency Management Update

June 2018



Overview



- Emergency Management Guide Auditor General for Local Governments
- 2. Next Generation Radio System
- 3. Information Systems
- 4. 2018 Full Scale Earthquake Exercise Planning
- Post Earthquake Bridge Inspection Plan
- 6. Disaster Debris Management Planning
- Public Alerting AlertReady
- 8. Emergency Preparedness Week events
- 9. Volunteer & Staff Deployments 2017 Wildfires

Improving Local Government Emergency Management Guide from the Auditor General for Local Government



- Guide to elected officials on emergency management programs
- Uses some City of Vancouver examples of successful programs (e.g. Disaster Support Hubs, neighbourhood resilience work)
- EM will review and compare our program to recommendations in guide



Next Generation Radio System (E-Comm)



- E-Comm Radio System upgraded to new P25 system in 2017-2018
- Transition of Vancouver Fire and Police complete
- Old system decommissioned on April 3rd, 2018

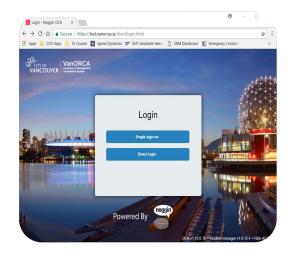
Benefits:

- Increased resilience and coverage
 - Improved redundancy in radio system itself
 - Backup control site
 - 29 to 45 radio sites
 - Continued coverage in tunnels
- Encrypted system
 - Increases ability of police to share information on interoperable talk groups
 - Encryption keys changed regularly
- Increased safety
 - Building penetration and local radio-to-radio mode



Information Systems





Emergency Management Information System

- Supports EM Duty Officers and Emergency Operations Centre
- Incident tracking, logging, notifications, situational awareness, coordination



Electronic ESS Registration System pilot

- Partnership with
 - Emergency Management BC
 - Canadian Red Cross

2019 Full Scale Earthquake Exercise Planning



- Earthquake scenario
- Multiple-shifts, multiple-sites
- May 10, 2018
- Part of our multi-year training and exercise program

Exercise Objectives

- Damage assessment
- Mass care activities
- Activate and test components of department plans
- Engage community through Disaster Support Hubs
- Activate EOC and DOCs (department operations centres)
- Test response coordination







2019 Full Scale Earthquake Exercise Planning







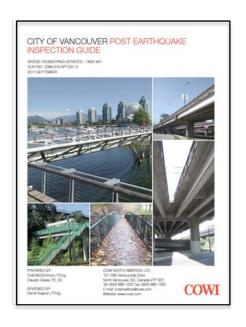


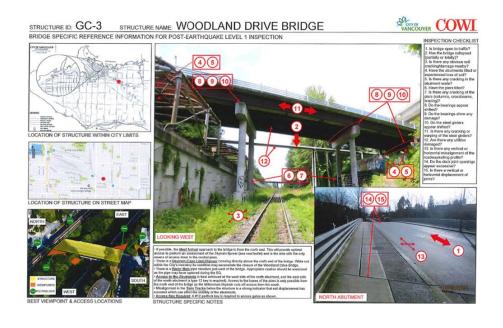
Exercise Scenario

- Moderate earthquake (approx. M 6.5 in Georgia Strait)
- Minor collapse of unreinforced masonry buildings
- Moderate damage to infrastructure
 - Water mains broken
 - Sewer lines damaged
 - Power lines damaged
 - Natural gas disruption
- Some liquefaction
- Periodic communications outages
- Aftershocks

Post Earthquake Bridge Assessment Plan









Post Earthquake Inspection Guide

Easy to use tools

Disaster Debris Management Planning



~12 million tonnes of debris from Vancouver forecast after large earthquake (480,000 truckloads)

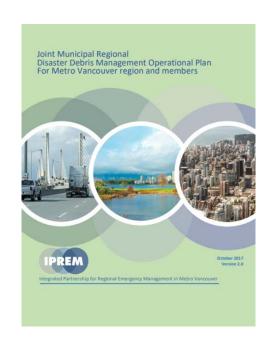
2017 - The City co-developed & validated Joint Municipal Regional Disaster Debris Operations Plan

Initial Response

- Prioritize road debris clearing
- Establish temporary debris staging

Longer Term Recovery

- Shared effort with other levels of gov't
- re-use, recycling, and energy recovery where possible



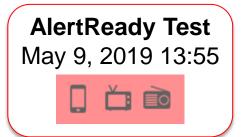


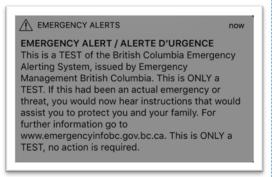
Public Alerting - AlertReady





alertready.ca





- Designed to deliver critical and potentially life-saving alerts to Canadians through television and radio
- As of April 6, 2018, emergency alerts can also be sent to compatible wireless devices connected to LTE networks
- In BC, alerts will only issued through AlertReady for tsunamis at this time.
- We hope that local governments in BC will be able to issue alerts through AlertReady in the future, as they can in Alberta.
- More information on AlertReady in BC: https://www.emergencyinfobc.gov.bc.ca/a lert-ready-wireless-public-alerting/
- Active alerts can be viewed at: https://www.theweathernetwork.com/ca/alerts

Emergency Preparedness Week





#IN IT TOGETHER



Emergency Preparedness Week Event

Friday, May 11th, 2018 at Canada Place

- Earthquake simulator
- Information booths with activities
- Giant emergency preparedness Snakes and ladders!



Emergency Preparedness Week



Disaster Support Hub Community Exercise

- Third exercise hosted by Dunbar Emergency and Earthquake Preparedness group (one of 4 communities in the Resilient Neighbourhoods Program pilot)
- Community partners tested their ideas and procedures with neighbourhood residents using an earthquake scenario
- Exercises focused on four days after the earthquake which allowed participants o focus on early recovery







https://www.youtube.com/watch?v=s52a7CvJ5qE&feature=youtu.be

Conclusion



- Emergency management is starting to become part of day-to-day culture in some departments of the City
- Current focus is on preparation for the 2019 earthquake exercise which is driving significant planning efforts across the organization
- Community engagement continues through the Resilient Neighbourhoods Program and Vancouver Volunteer Corps
- Staff and volunteers are gaining valuable experience operationally by helping our other local governments and our provincial partners