Addressing city-wide disaster risk through modeling

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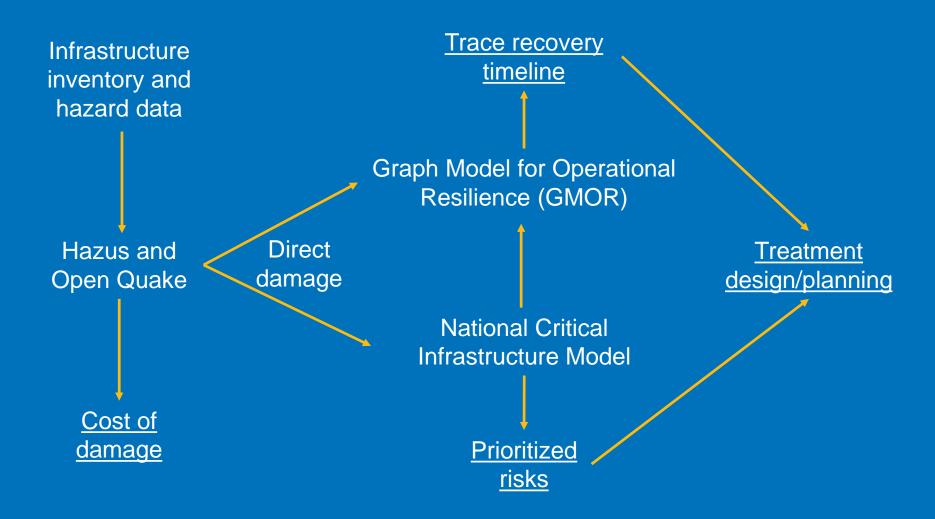
Mike Andrews, NSEM Paul Chouinard, DRDC Fiona Dercole, NSEM (DNV) Alison Goshulak, UVic Nicky Hastings, NRCan Doug Hales, DRDC Murray Journeay, NRCan Carol Wagner, NRCan

District of North Vancouver

M.7.3 earthquake in the Strait of Georgia

W Vancouver







RiskOutLook - Hospital Operations

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RISK PRIORITIZATION





Preliminary Results – Risk Rank

Relative Risk Ranking

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Opportunities for Improvement



Opportunities for Improvement

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RECOVERY TIMELINE AND PLANNING

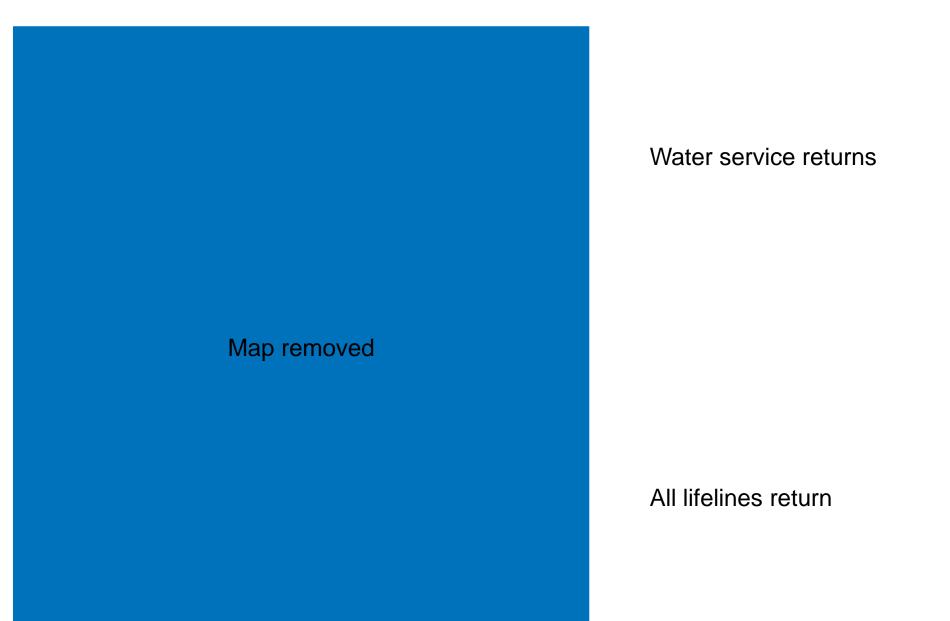




Natural Gas Communications Marine Power Rail Road and Fuel Wastewater Water

Residences
Food
Healthcare
Businesses
Industries
Response

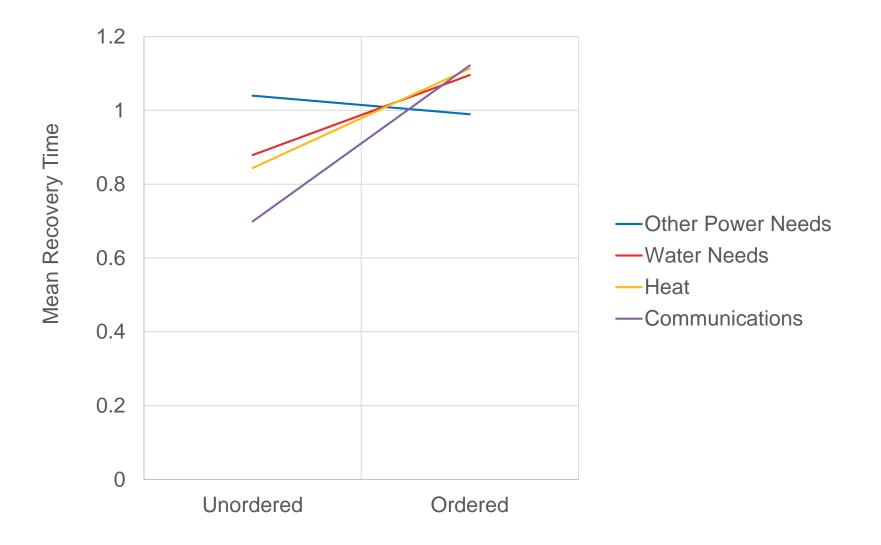
Re-usable city-wide and sectoral template models



(Tentative) Water supply network recovery priority by neighbourhood

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Residential Tower Recovery Times for Alternative Infrastructure Recovery Sequencing





Thank-you

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