

- The status quo is not acceptable.
- The MIABC can effectively address some critical aspects of the problem, by creating an Earthquake Recovery Fund.
- This can be accomplished in a measured way at a relatively modest cost.

We Know For Certain:

- There is 12% chance of a catastrophic earthquake affecting BC in the next 50 years.
- The resulting devastation will involve local governments' linear assets.
- These assets will not be insured local governments will be relying on senior governments to finance the repair and recovery of impacted infrastructure (Disaster Financial Assistance).

Reliance on the DFA leaves local governments exposed to significant unfunded liabilities, because:

- The DFA is an discretionary compensatior scheme, not a grant program.
- It only indemnifies 80% of costs incurred.
- It does not reimburse "betterment."

Priorities? Where is local government compared to...

- Schools
- Hospitals
- Transportation infrastructure
- Housing

What changes are coming to the DFA?

- Federal government has changed its 90% funding commitment.
- How would a restructuring affect the program relied on by B.C. local governments.



Christchurch's earthquakes left 30% of it's underground infrastructure inoperable.



- Insurance Bureau of Canada model A catastrophic earthquake could cause \$75 billion in damage to BC.
- If only 10% of this is borne by uninsured municipal infrastructure –local governments will be looking to the DFA for \$7 billion.
- The DFA program will leave the local governments needing to pay \$1.5 billion.



- Best estimates are that the total value of uninsured linear assets in the lower mainland is \$110 billion.
- A catastrophe damaging 10%, would leave lower mainland local governments with \$2.2 billion in unfunded liability.



The Pooling Effect

A risk pool, such as the MIABC, can provide effective solutions to some of these problems.

Governmental Risk Pools

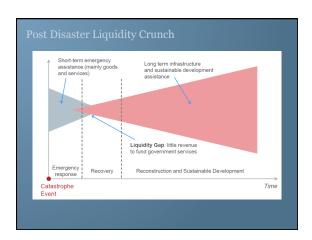
Public Entity Risk Pooling is the single most successful example of inter-local cooperation in North America and beyond, saving billions of taxpayer dollars and thousands of lives.

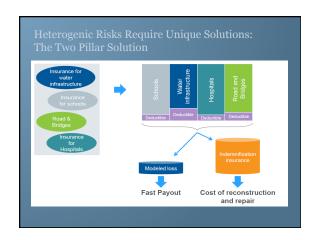
Governmental Risk Pools

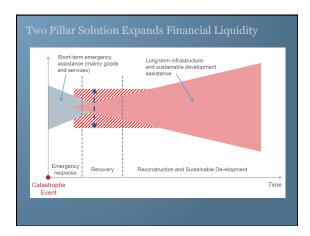
- 100,000 public entities in North America
 - 85% get some form of coverage from a pool
- \$13-17 billion in premium

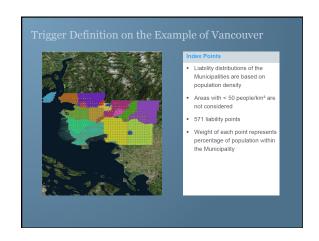
In North America 500 Pools Liability Property Auto Worker's Compensation Specialty Lines

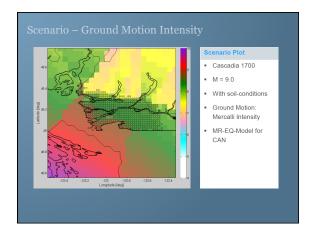
"The smallest local government has access to resources usually available only to the largest."













Additional Services

- Local Government Planning
- Hazard Risk and Vulnerability Analysis
- Logistics



Additional Services

The need for each of these services has been documented in the Auditor General's Report.



The Cost?

- Really a matter of what is affordable.
- Benefits are dictated by the annual contribution.

\$15 million initially

- \$1 million for administration and additional services.
- \$4 million for reinsurance (\$70 million).
- \$10 million capital contribution.
- \$80 million limits in first year.

Subsequent Years Increase Capacity

- Increase contributions by 1.5% p.a.
- Investment returns of 4%.
- Prorate reinsurance and administration expenses.

Benefit Accrual

- Five years \$43 million capital and \$130 million benefit.
- Ten years \$107 million capital and \$203 million benefit.
- 15 years \$185 million capital and \$290 million benefit.
- 20 years \$280 million capital and \$397 million benefit.

Funding?

All levels of government have an interest in this.

Next steps:

Elected officials must make this a priority.

Questions?

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