

Connecting Challenges with Solutions: Planning and Building for a More Resilient BC

UR



Earthquake Engineering
Research Institute
British Columbia Chapter

A riskier future

- > Warmer climate
- > Sinking coastal land
- > Environmental degradation



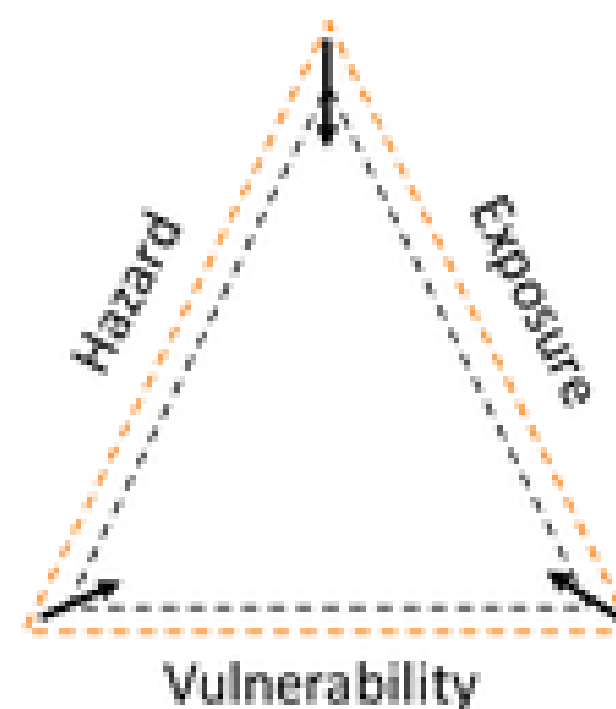
- > Larger population
- > More developed hazardous areas
- > More impermeable surfaces

Vulnerability

- > Informal construction
- > Less social support
- > More compounding shocks / impacts

An equally / less risky future

- > Climate change mitigation
- > Urban design
- > Resource planning



- > Land-use planning
- > Managed urban expansion

- > Urban planning / construction
- > Social safety nets
- > Greater resilience

Our species' big advantage is the ability to see potential dangers and opportunities - and then find ways to *avoid* the former and *exploit* the latter.

- D. Suzuki



Crosscutting Themes for Avoiding Dangers/ Exploiting Opportunities

- Promote *integrated planning* and develop *criteria* for integrated decision-making for capital investments (NYS2100)
- ‘Non-traditional partnerships’ and *enhanced collaboration* - No one person/discipline has all the answers- resilience is a ‘were all in this together’ game
- Continued foresight / *emphasis on proactive measures*
- Willingness to think outside the box and *innovate (building codes, finance, etc.)*



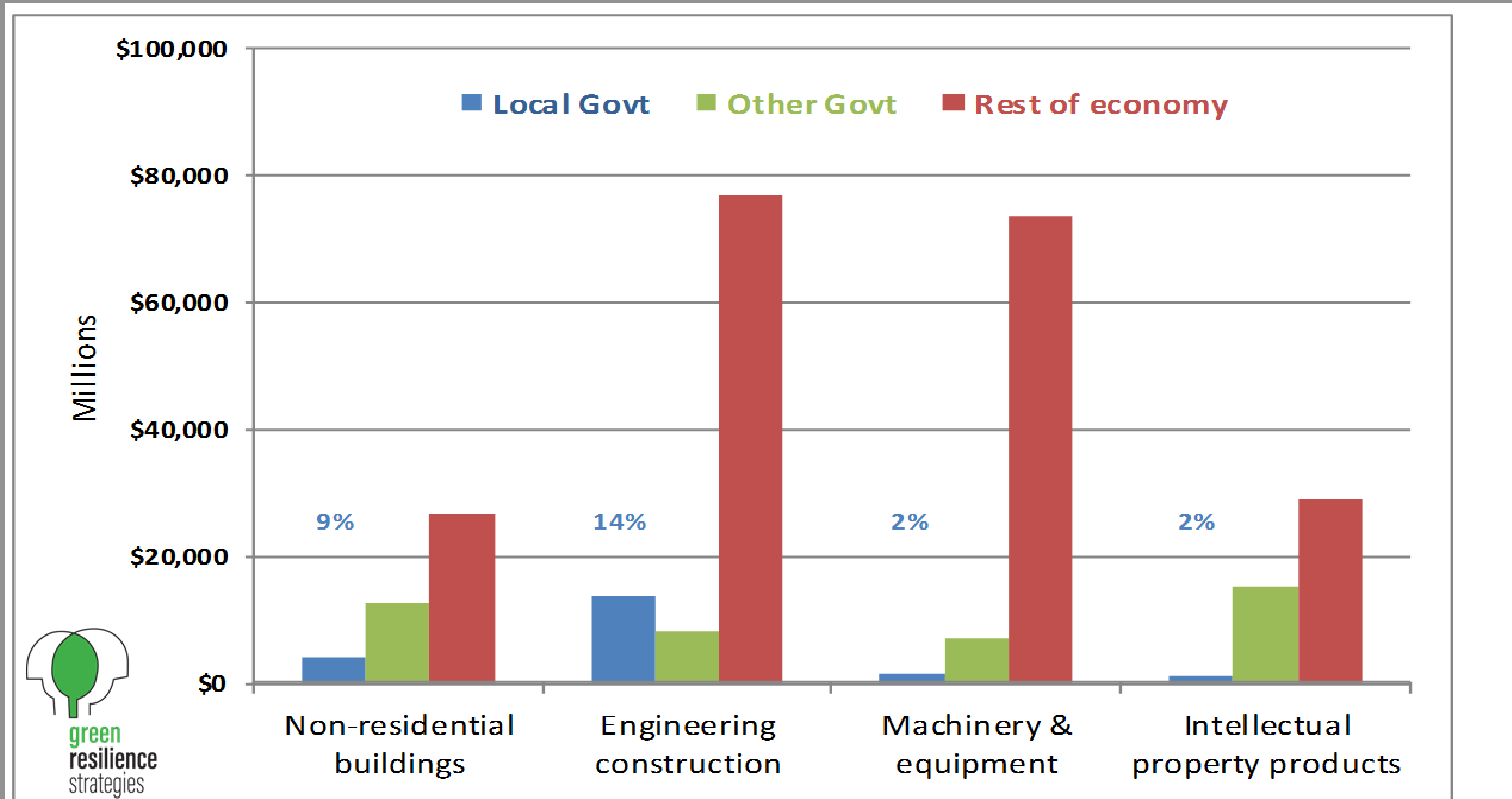
Recognizing our role: choices we make about how to site, design, build, & retrofit our built environment have massive implications for societal resilience.

- Beyond life safety
- Move towards more localized codes (our nation is the size of many many nations)
- Multi-hazard, performance-based design



Follow the Money: Mobilizing Private Investment

2015 Non-residential Capital Investment in Canada



Channel the Money





UR+ BC: Be A Part of a Less Risky, More
Resilient Future!
Become Part of the Solution.

Image: ILFI