

NEW ZEALAND'S INFRASTRUCTURE RESILIENCE



NZLC & RNC & QuakeCoRE & Deep South: Infrastructure Research Day
22 November 2022

Roger Fairclough, Chair New Zealand Lifelines (Utilities) Council

New Zealand Lifelines (Utilities) Council ...

- Energy, Transport, Telecommunications, & Water
- Supporting regional Lifelines Groups
 - Focusing on improving the consistency of output
- Providing information to national lifeline utilities to assist them in their resilience work
- Liaising with Government agencies on infrastructure resilience



New Zealand Lifelines Council

Promoting Infrastructure Resilience

Lifelines are the essential infrastructure and services that support our community – utility services such as water, wastewater and stormwater, electricity, gas, telecommunications and transportation networks including road, rail, airports and ports.



Our mission is connecting lifeline utility organisations across agency and sector boundaries to improve infrastructure resilience.

New Zealand Lifelines Council

The New Zealand Lifelines Council (NZLC) supports regional group activity and provides a link to government agencies.

Two major activities include:

- The National Lifeline Utilities Forum held in October or November each year
- The National Infrastructure Vulnerability Assessment, further information below

Find out more about Lifelines and NZLC here:

[New Zealand Lifelines Sector](#)

[NZLC Terms of Reference](#)

National Infrastructure Vulnerability Assessment 2020

This report provides a comprehensive overview of New Zealand's critical lifelines infrastructure and its resilience (and conversely its vulnerability) to major hazards.

[Download the Summary](#)

[Download the Full Report](#)

Regional Lifelines Groups

In New Zealand, regional Lifelines Groups coordinate activities aimed at reducing infrastructure vulnerabilities to regional scale emergencies.

Lifelines Groups include representatives from lifeline utilities, emergency management, scientists and others.

Lifelines Groups undertake projects looking at impacts of hazards on the region's infrastructure and ways to reduce outage risks and minimise restoration times when outages do occur.

Lifelines Groups have a close relationship with Civil Defence Emergency Management and lifeline utilities have responsibilities under the CDEM Act 2002. Lifelines and CDEM

NZLC Delivery Team Contacts

Chair: Roger Fairclough

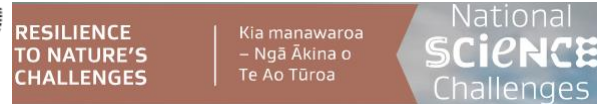
Programme Manager: Lisa Roberts

Principal Advisor: Dave Brunston

New Zealand Lifelines Council Sponsors



Observer Status



Infrastructure, what is it ...



- Infrastructure?
- Critical Infrastructure?
- Critical National Infrastructure?

- Energy, Transport, Telecommunications, & Water
- Fast Moving Consumer Goods (FMCG)?
- Banking & Finance ?
- Stopbanks ?
- Solid waste ?

- Assets?
- Services provided?
- Organisations?
- Functions?

Major Reforms Underway

- CDEM Act – PELOS, Monitoring & Reporting
- Infrastructure Strategy
- Resource Management Act, replaced by:
 - Natural and Built Environments Act (NBA)
 - Strategic Planning Act (SPA)
 - Climate Adaptation Act (CAA)
- Climate Change National Adaptation Plan and Emissions Reduction Plan
- 3-Waters Reform

**National risk is:
reduction in risk awareness due to reform
distractions**



Objective ...

The objective of the Infrastructure Research Day is to provide an opportunity for practitioners and researchers to:

- Contribute to national infrastructure initiatives
- Highlight future challenges and opportunities
- Improve the direction and effectiveness of research
- Encourage industry-research collaboration
- Improve alignment across national research programmes
- Embed opportunities for collaboration

