

2017 National Lifelines Forum

Tuesday 31st October and Wednesday 1st November 2017

Spark Conference Centre, 167 Victoria St West Auckland City

Day One – Tuesday 31st October 2017

9.00 – 9.30: Registration, Tea & Coffee

9.30 – 10.00: Welcome and Forum Opening

Roger Fairclough, Chair New Zealand Lifelines Council.

Dean Kimpton, Chief Operating Officer, Auckland Council.

10.00 – 11.15: 'Lifelines 101': Understanding complex sectors

Insights into operating complex national networks and supply chains, building resilience into these and how minor and major outages are managed.

Rob Ruiten (telecommunications, Chorus), Vaughan Grant (Foodstuffs) plus representatives from fuel and electricity.

11.15 – 11.45: Morning Tea

11.45 – 1.00: Understanding National Infrastructure Vulnerability

National Vulnerability Assessment. A presentation on the NZLC review of New Zealand's nationally significant infrastructure, its vulnerability and resilience to hazards.

Roger Fairclough and Lisa Roberts, NZLC

Reflecting on learnings about national infrastructure vulnerability from the Kaikoura earthquake.

Colin Knaggs (North Canterbury Transport Infrastructure Recovery).

Followed by a panel discussion with other national sector representatives.

1.00 – 1.45: Lunch

1.45 – 3.00 Understanding National Infrastructure Vulnerability, cont'd

Landslide hazards, risks and infrastructure vulnerabilities – latest research and insights.

Sally Dallow, GNS

The Alpine Fault 'AF8' project: Reporting on the emerging findings and recommendations from 'AF8', a major national study into New Zealand's Alpine Fault risk.

Jon Mitchell, Project Manager AF8.

Modelling national flood risk exposure and the revised Coastal Hazards and Climate Change Guidelines.

Rob Bell, NIWA

New Zealand's Transport System Strategic Resilience Project.

Shelley Tucker, Ministry of Transport

3.00 – 3.30: Afternoon Tea

3.30 – 4.00: Snap Shots – Lifelines Group and Local Lifelines Planning

What's happening around the country through regional lifelines groups and projects. *Various Speakers.*

4.00 – 5.00: Hot Topics

Local Government Risk Agency developments and approaches to modelling disaster losses.

James Hughes, Tonkin and Taylor and AON.

The impact of a Mt Taranaki eruption on NZ's gas production (*Zoe Juniper, University of Canterbury*).

Valuing Infrastructure Resilience – tools to prioritise infrastructure resilience investment decisions.
Monique Cornish, Tonkin and Taylor.

United Nations report on Geospatial Information and Services for Disaster Management
Rob Deakin, LINZ.

5.00 – 5.15: Wrap Up

6.30 – Informal Dinner

Day Two – Wednesday 1st November 2017

9.00 – 10.00: Boosting Infrastructure Resilience - Wellington

The Business Case for Collective Investment: Wellington's Resilience Programme.
Dame Fran Wilde, Chair, Wellington Lifelines Group

Modelling benefits of infrastructure investment (Riskscape / Merit).
Nick Horspool, GNS

10.00 – 11.00: Boosting Infrastructure Resilience – National Initiatives

MBIE's work on security of supply in the telco and fuel sectors, *Charles Jarvie, MBIE.*

MCDEM's Lifelines Programme and Disaster Resilience Strategy, *Paul Bagg, MCDEM.*

Wellington Earthquake National Initial Response Plan, *Cara Gordon, MCDEM.*

11.00 – 11.30: Morning Tea

11.30 – 12.30 Post Event Review and Recovery

Reflecting on the findings and actions arising from the Auckland fuel disruption, Havelock North water supply event, Cyclone Cook/Debbie and others.

Noel Roberts, Water NZ, Dave Brunsden Kestrel and other speakers to be confirmed.

12.30 – 1.15: Lunch

1.15 – 2.30: Snapshots - Infrastructure Research

A summary of current research and outcomes of relevance to infrastructure providers, including:

- EQC's Research Programme, *Pam Johnston, EQC*
- National Science Challenge, *Liam Wotherspoon, University of Auckland*
- Geonet developments, *Brad Scott, GNS*
- Volcanic Impacts Study Group, *Natalia Deligne, GNS*

2.30 – 3.15: Emerging Technologies - Risks and Opportunities

Lifelines infrastructure dependence on technology continues to increase. How are we managing risks associated with this dependence and using technology to improve resilience?

The GPPS Network and vulnerabilities in the infrastructure sector, *Graeme Blick (LINZ).*

Using spatial data and the GIS to support emergency preparedness and response.

Paul Doherty, Eagle

Stephen Ferris, Stratsim.

3.15 - 3.30: Forum Wrap up