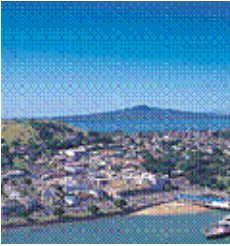


# Auckland Engineering Lifelines Group

## 2009 Seminar



# Programme



- AELG - Our aims, objectives and members – Allan Mordecai
- AELG – Past to present – Lisa Roberts
- Riskscape demonstration – Andrew King

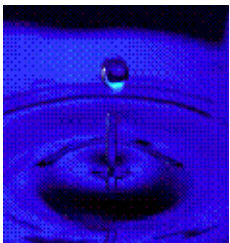


- Responding to Volcanic ash events – Tom Wilson
- An update on CDEMG/CEG activities and future directions – Harry O'Rourke



- An overview of the National Lifelines Coordinating Committee – Dave Brunsten

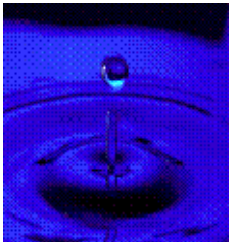
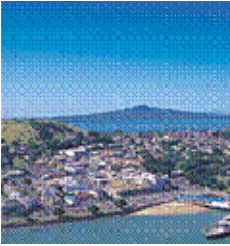
- Warnings for weather disasters in Auckland – Bob McDavitt



## The AELG originated from the Auckland Engineering Lifelines Project 1995 - 99

This project:

- Developed Auckland region hazard maps for a number of natural disasters.
- Identified and mapped critical infrastructure in Auckland
- Assessed the impact of cyclone, earthquake, volcano and tsunami on critical infrastructure.
- Assessed the interdependencies between utilities and effects on recovery time.
- Made a number of recommendations to be collectively undertaken to mitigate risks (AELG was established to progress these).
- Made a number of recommendations on mitigation work each organisation could undertake individually to reduce vulnerability.



# Auckland Engineering Lifelines Group

A voluntary group of Auckland utilities

## Mission:

To improve the resilience of Auckland's infrastructure lifelines to hazard events, so the community is better able to recover.

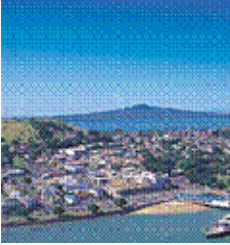


Te Kaunihera o  
**MANUKAU**  
City Council





# Energy Sector



**Vector Ltd – Electricity & Gas**

**Counties Power - Electricity**



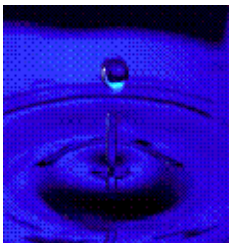
**Transpower Ltd - Electricity**

**Wiri Oil Services Limited - Fuel**



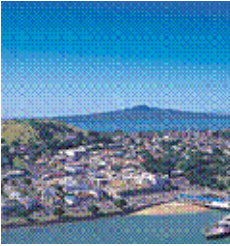
**Shell Whnyard Wharf - Fuel**

**Chair: Robert Burley, Vector Ltd**





# Telecommunications Sector Group



–Telstra Clear

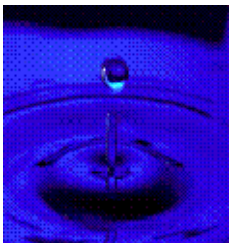
–Vodafone

–Kordia

–Telecom

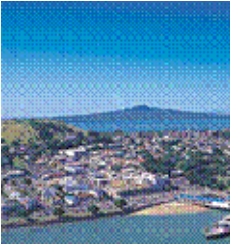


Chair: Allan Mordecai (Kordia)





# Water Services Sector Group



–Watercare

–Metrowater

–Manukau Water



–Rodney District Council

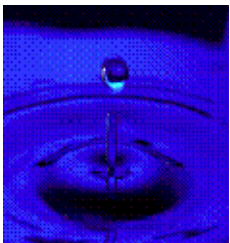
–North Shore City Council



–Ecowater

–Franklin District Council

–United Water



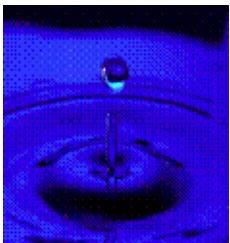
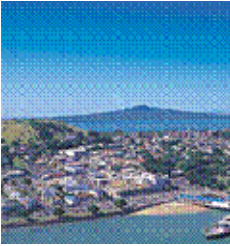
–Chair: Brian Park (Watercare)



# Transportation Sector Group

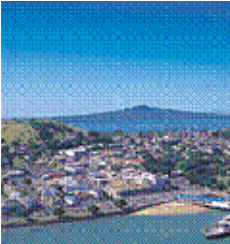
- Auckland Airport
- NZ Transport Agency
- Auckland Regional Transport Agency
- Auckland City Council
- Air NZ
- Papakura District Council
- Ports of Auckland
- Waitakere City Council
- Manukau City Council
- Rodney District Council
- Franklin District Council
- North Shore City Council.

–Chair: Roy Robertson (AIAL)





## A sub-committee of AELG is the Volcanic Impacts Study Group Linking Research and Practitioners



- To facilitate improved knowledge about the impacts of volcanic hazards on, and mitigation measures for, lifeline infrastructure.



- To facilitate and support research on the impacts of volcanic hazards on lifelines and development of appropriate mitigation measures.

- To provide input into the applicability for lifelines of any research being undertaken.



- To facilitate reconnaissance investigations, and/or advocate lifeline representation on reconnaissance investigations.

- To provide a national focal point for volcanic impacts work on lifelines (as Wellington currently is for earthquakes).

