

WEC Future Energy Leaders (FEL-100)  
New Zealand Young Energy Professionals' Network

# Energy Resilience: Investing in our Energy Future

16 March 2016

Asia Pacific Energy Leaders' Summit



# Delivering our call to action

- Worked with FEL/YEPN to understand their perceptions of barriers and opportunities for energy resilience investment
- Survey across the globe (focus on NZ) and workshop of survey themes
- Generated our call to action, 'Investing in our Energy Future'
- This is what we heard from the group...

# Survey

- A perception based survey that asked respondees a variety of energy resilience related questions – 59 responses
- Greatest perceived risks for the NZ energy sector related to climate change and energy security:
  - extreme weather
  - changes in resource availability
  - unusual seasonal temperatures
- Divided view on action being undertaken and its effectiveness but clearly room for more
- Key barriers to action:
  - Financial
  - Lack of leadership/prioritisation
  - Lack of capacity and information

# What we discussed

Government & industry  
coordination

Increase use of  
renewables/  
diversifying the energy  
mix

Transport

# And our call to action

Clear direction from  
government and stable  
policy

Share the NZ energy story  
across our society

Stimulate investment by  
engaging with financial  
markets

# Industry and government collaboration

## ACTION

The government should signal a clear direction that is enduring to provide stable and certain policy environment for business investment in NZ and to harness greater foreign investment in energy resilience



# Telling NZ's energy and climate story

## ACTION

Govt and businesses should share information and evidence-based analysis to come to mutually beneficial decisions about investment for public and private benefit

The public needs clear, simple information on the issues and how they can meaningfully contribute to the dialogue

We need to measure and celebrate our successes



# Stimulating investment

## ACTION

Government and businesses in the energy sector should engage with the big investors – banks, international finance, institutional investors – about the opportunities for cost-effective investment

Financial markets in turn should deliver new financial instruments to fund energy resilience projects











# Where to next?

- NZ WEC Trilemma rating AAB – top 10 ranking
- GOAL: Use the three actions we've identified to take NZ to an AAA rating by 2020

## TRILEMMA BALANCE



## INDEX RANKINGS AND BALANCE SCORE

	2013	2014	2015	Trend	Score
Energy performance	11	11	16	→	
 Energy security	15	16	29	→	<b>A</b>
 Energy equity	26	28	35	→	<b>A</b>
 Environmental sustainability	37	42	47	→	<b>B</b>
Contextual performance	6	4	4	→	
 Political strength	1	3	3	→	
 Societal strength	3	6	7	→	
 Economic strength	33	12	8	↑	
<b>Overall rank and balance score</b>	<b>8</b>	<b>10</b>	<b>10</b>	<b>→</b>	<b>AAB</b>

# Thank you

- World Energy Council and the FEL-100 program
- BusinessNZ and the Business Energy Council
- The workshop participants & survey respondees
- EECA, MBIE and Z Energy