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

Transport

Increase use of renewables/ diversifying the energy mix

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

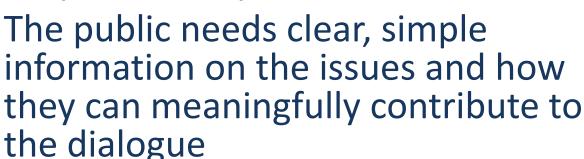
The government should signal a clear direction that is enduring to provide stable and certain policy environment for business investment in NZ and to harness greater foreign investment in energy resilience



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



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

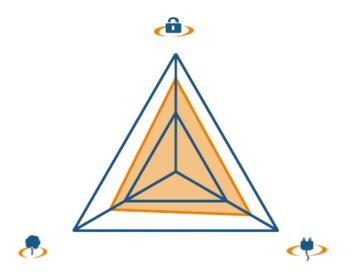
Financial markets in turn should deliver new financial instruments to fund energy resilience projects



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	\rightarrow	
â	Energy security	15	16	29	\rightarrow	Α
0	Energy equity	26	28	35	\rightarrow	Α
8	Environmental sustainability	37	42	47	\rightarrow	В
Contextual performance		6	4	4	\rightarrow	
	Political strength	1	3	3	\rightarrow	
2 1	Societal strength	3	6	7	\rightarrow	
dip	Economic strength	33	12	8	1	
Overall rank and balance score		8	10	10	\rightarrow	AAB

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