

ALSTOM Grid Asia Pacific User Group 2010



15-17 September 2010

Dr Patrick Strange

Chief Executive, Transpower New Zealand Ltd

TRANSPOWER



New Zealand's place in the world

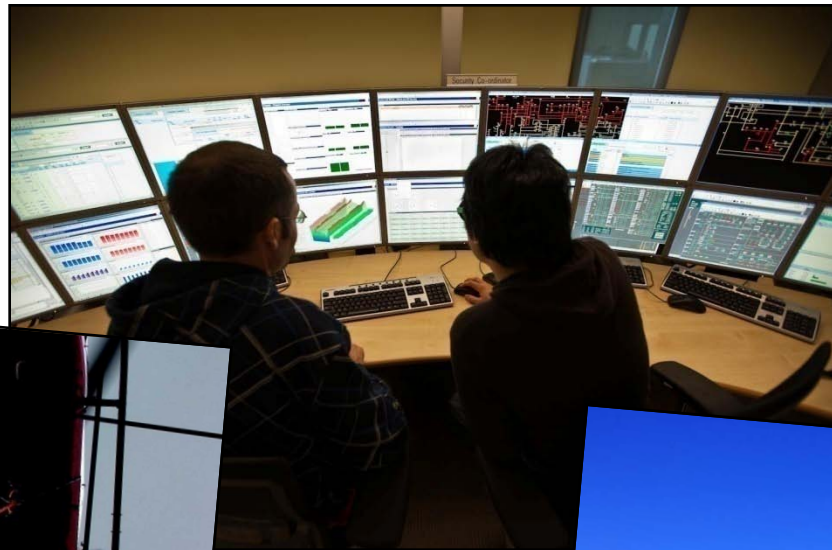


- No opportunity for interconnection
- Have to meet all our own electricity needs

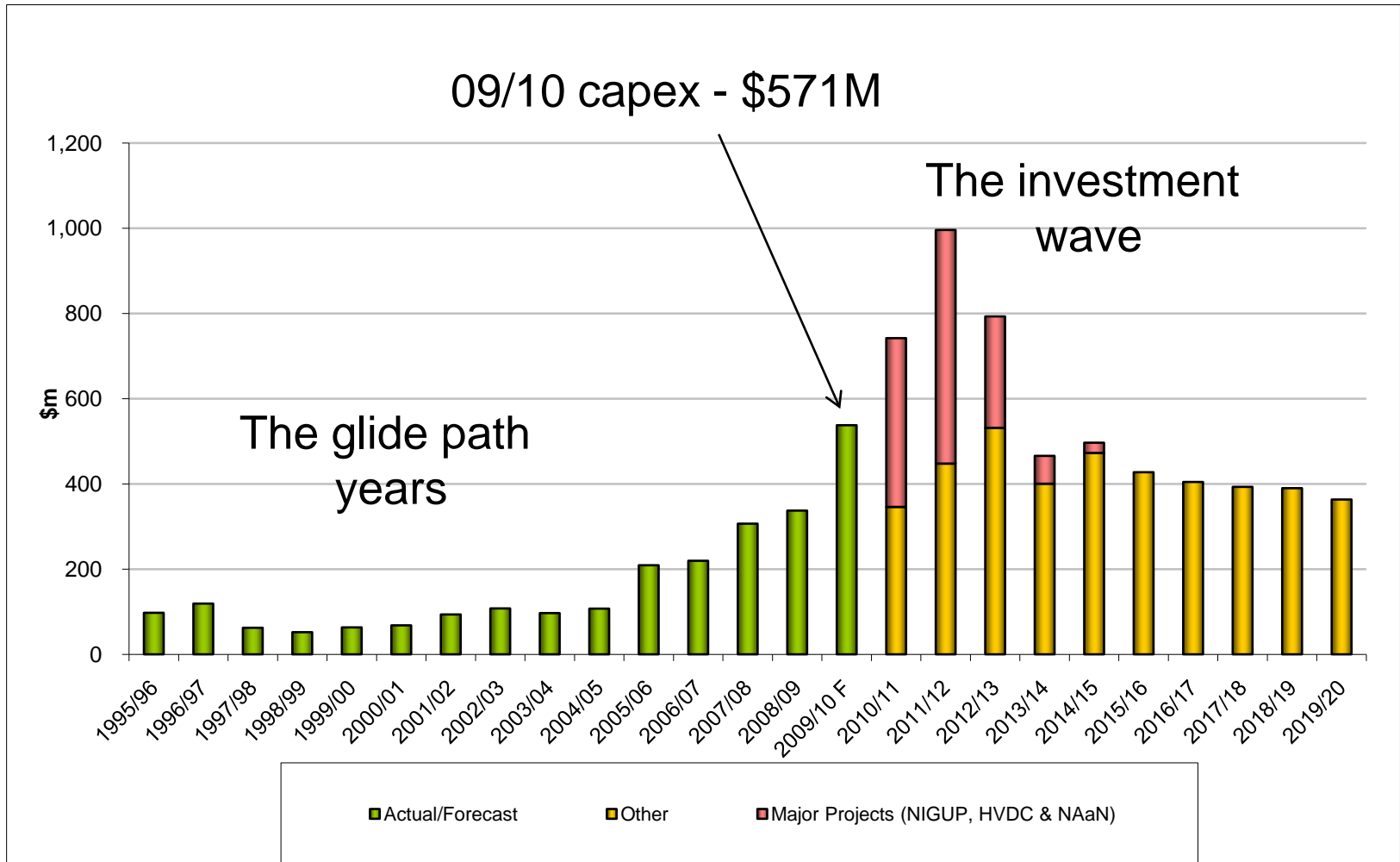


Transpower – what we do

- Plan, build and maintain the national grid
- Operate the system in real time



Keeping Up With Demand



The Dollars Are The Easy Part!

- Spending the money well
- New strategies for replacement of poorly performing assets
- New investment in asset management
- Major investment in workforce training



Going Forward

- Grid will be required (in some form) for at least 60+ years ...planning should reflect this
- Uncertainty is higher – forecast changes will not occur as we predict ...
- Need to create options to address the uncertainty...
- Many of these are about capability and technology



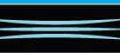
The Future

- Higher grid utilisation, and less redundancy
- Higher equipment reliability and more automated fault response to maintain service
- Self-healing grids



What does it mean for networks?

- Some of the new capabilities have lead times of 10 -20 years
- We must plan for tomorrow, not extrapolate from today
- What do we need from our vendors and suppliers?



Meanwhile...

- The Rugby World Cup looms
- The only black(out) we want to see

