

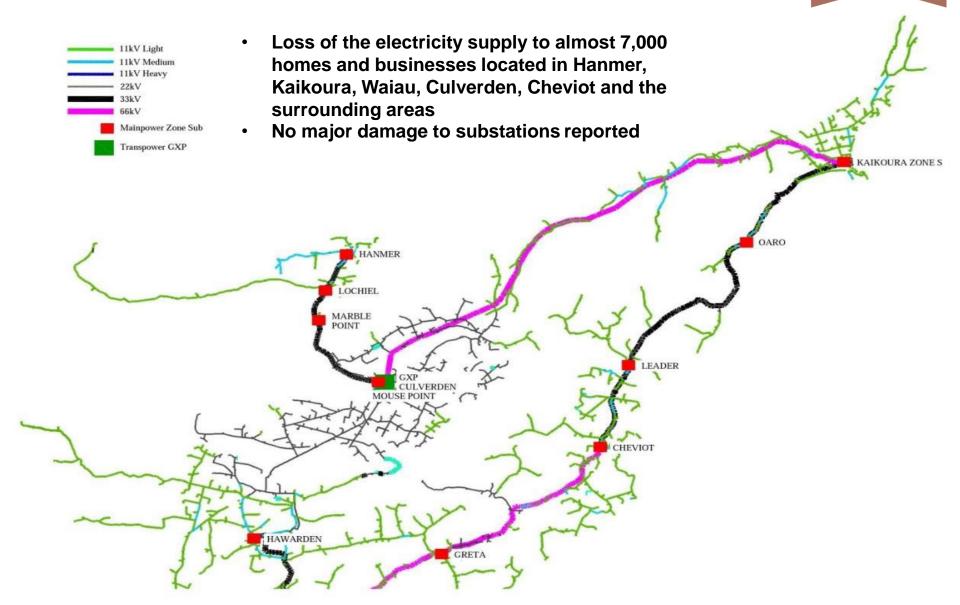
Impact of the Kaikoura Earthquake on Power Infrastructure

10th April 2017

Nirmal Nair



Regional distribution network (MainPower):





Regional distribution network (MainPower):

Lean on Pole due to liquefaction





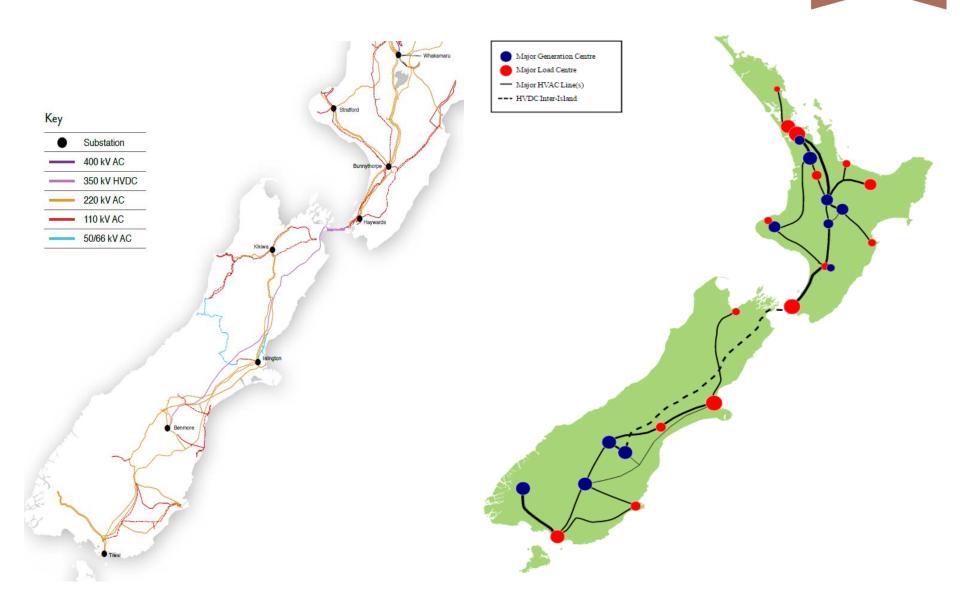


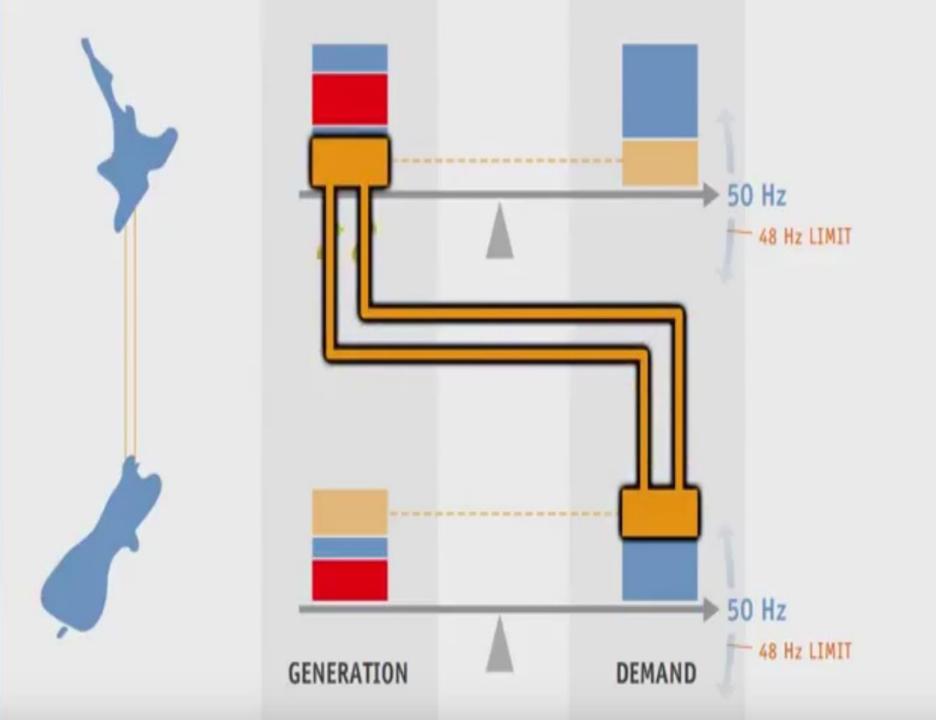
National grid (Transpower)

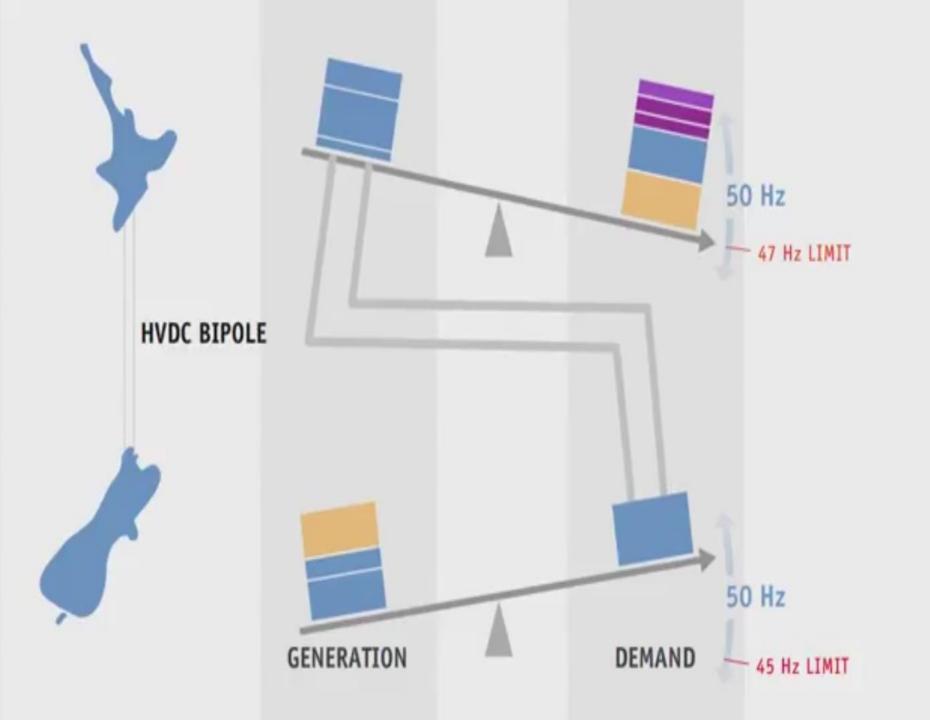
- A number of feeder trippings
- Loss of Kaikoura supply
- A tower on HVDC line in Marlborough

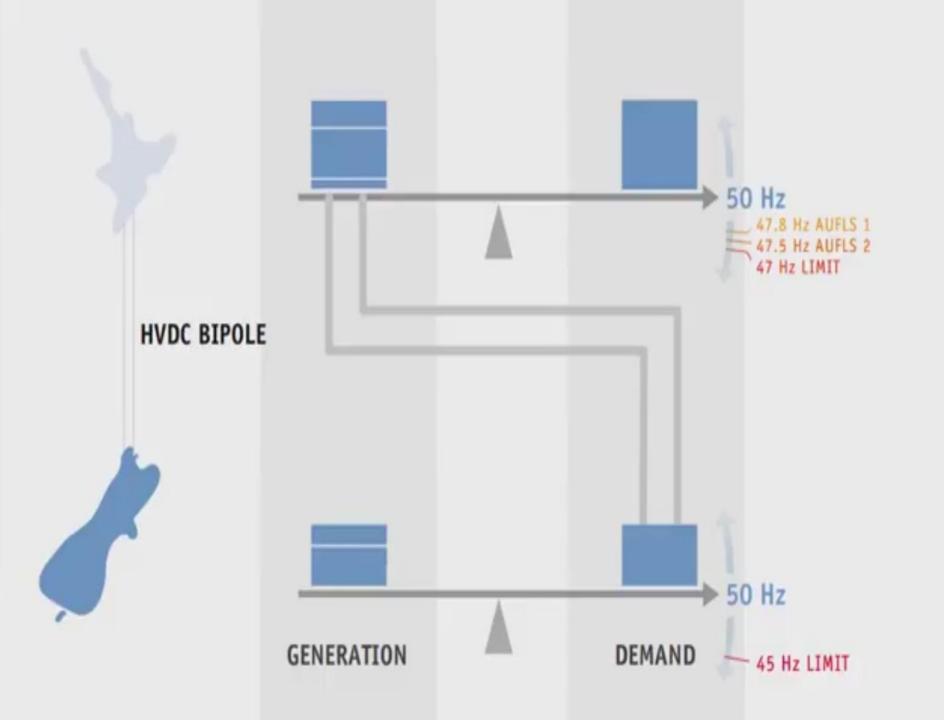


Transpower National Grid











Conclusion

Mainpower: Lost supply to almost 7000 home and businesses in the

Kaikoura region. Power restored to Township within one

day.

Transpower: Minor, except for the Kaikoura supply and HVDC tower in

Marlborough.

References

- MainPower Asset Management Plan
- Transpower HVDC lines video
- Transpower Annual report