



TRANSPOWER

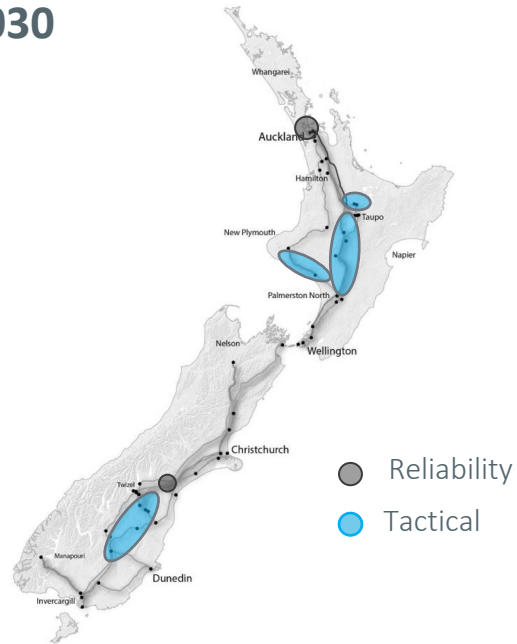


Murihiku in the energy transition

John Clarke – GM Grid Development

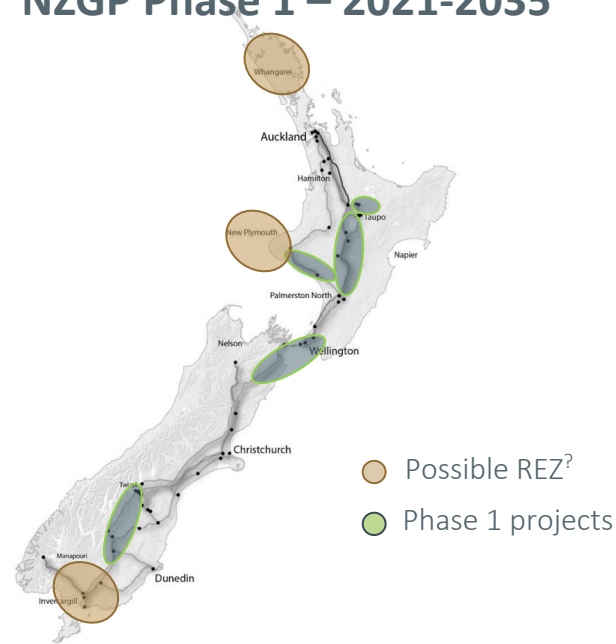
At Transpower, we're committed to helping NZ decarbonize by ensuring the grid enables electrification

Grid Reliability Investments by 2030



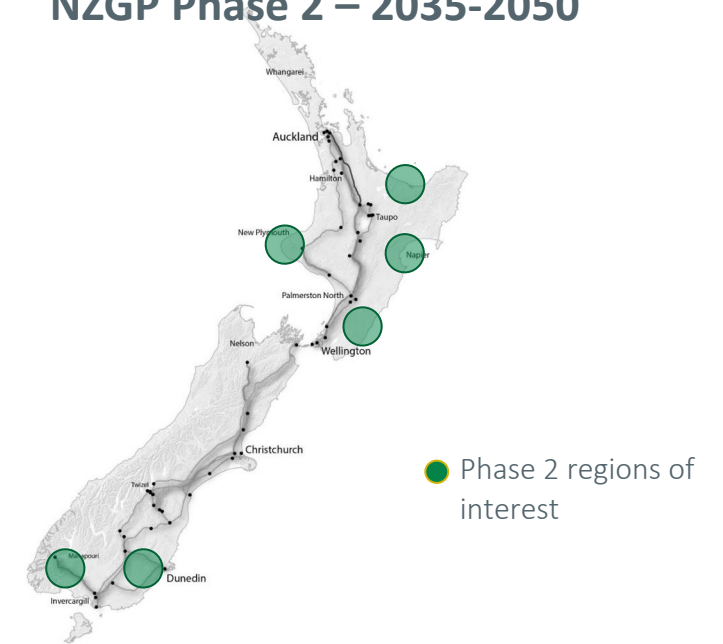
Ensuring sufficient grid capacity into major regions to meet growth and enhance grid stability

Enabling Investments NZGP Phase 1 – 2021-2035



Phase 1 - a least regrets approach to upgrading the existing grid backbone; and possible renewable energy zones (REZ)

Enabling Investments NZGP Phase 2 – 2035-2050



Phase 2 - a longer term perspective of the future grid - new interconnections to provide a reliable and resilient grid backbone.

We're already underway on enabling grid upgrades & new connections



\$100m Clutha Upper Waitaki Lines upgrade completed in 2022
Allows more electricity flow both into and out of Otago/Southland
Added confidence to new generation and major industrial developments

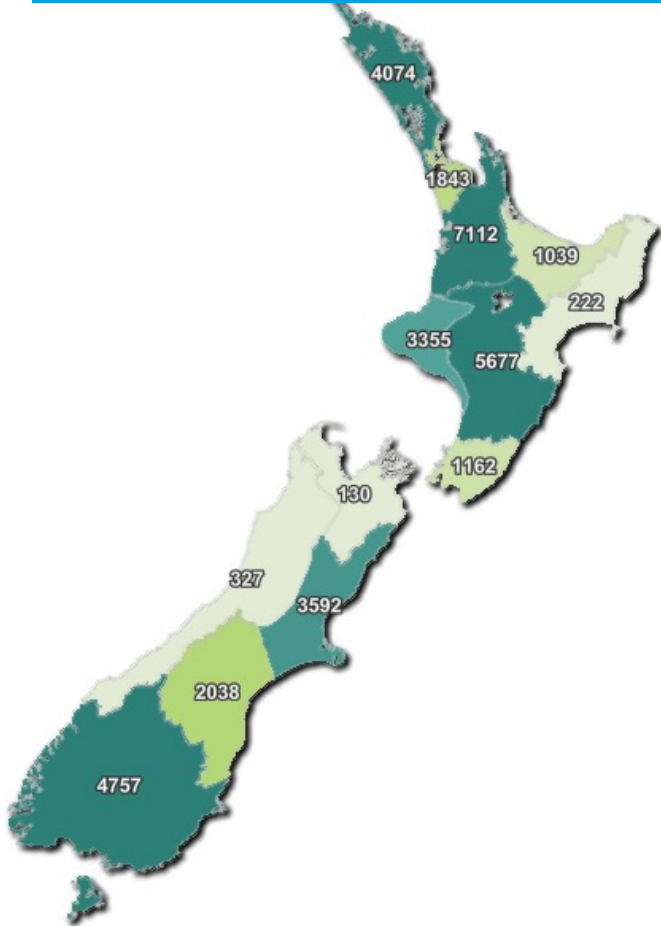


Electrification at Matura Valley Milk

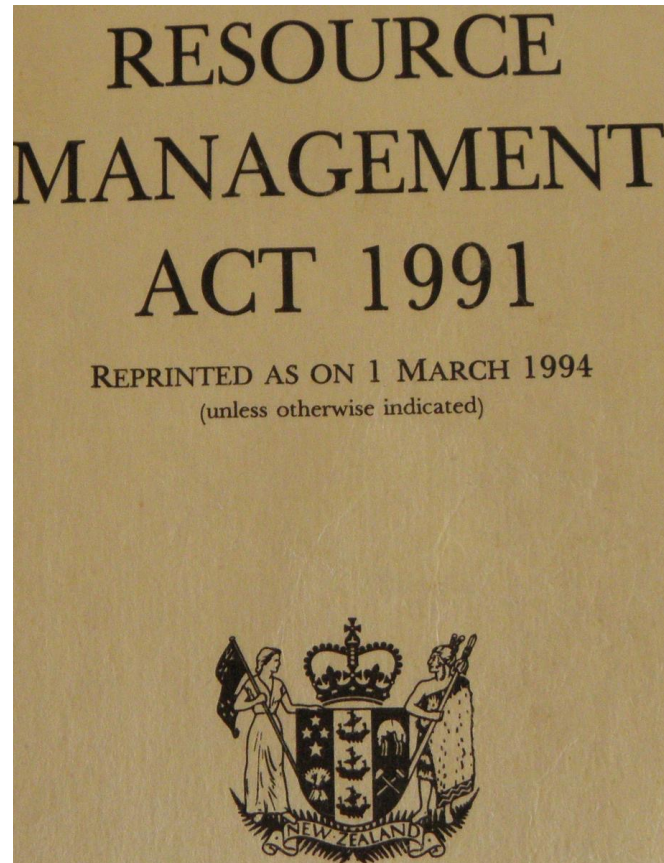


However, the scale of transition brings many challenges

Enquiries by MW shows the size of the connection queue



RMA processes (and their reform) currently cause delays



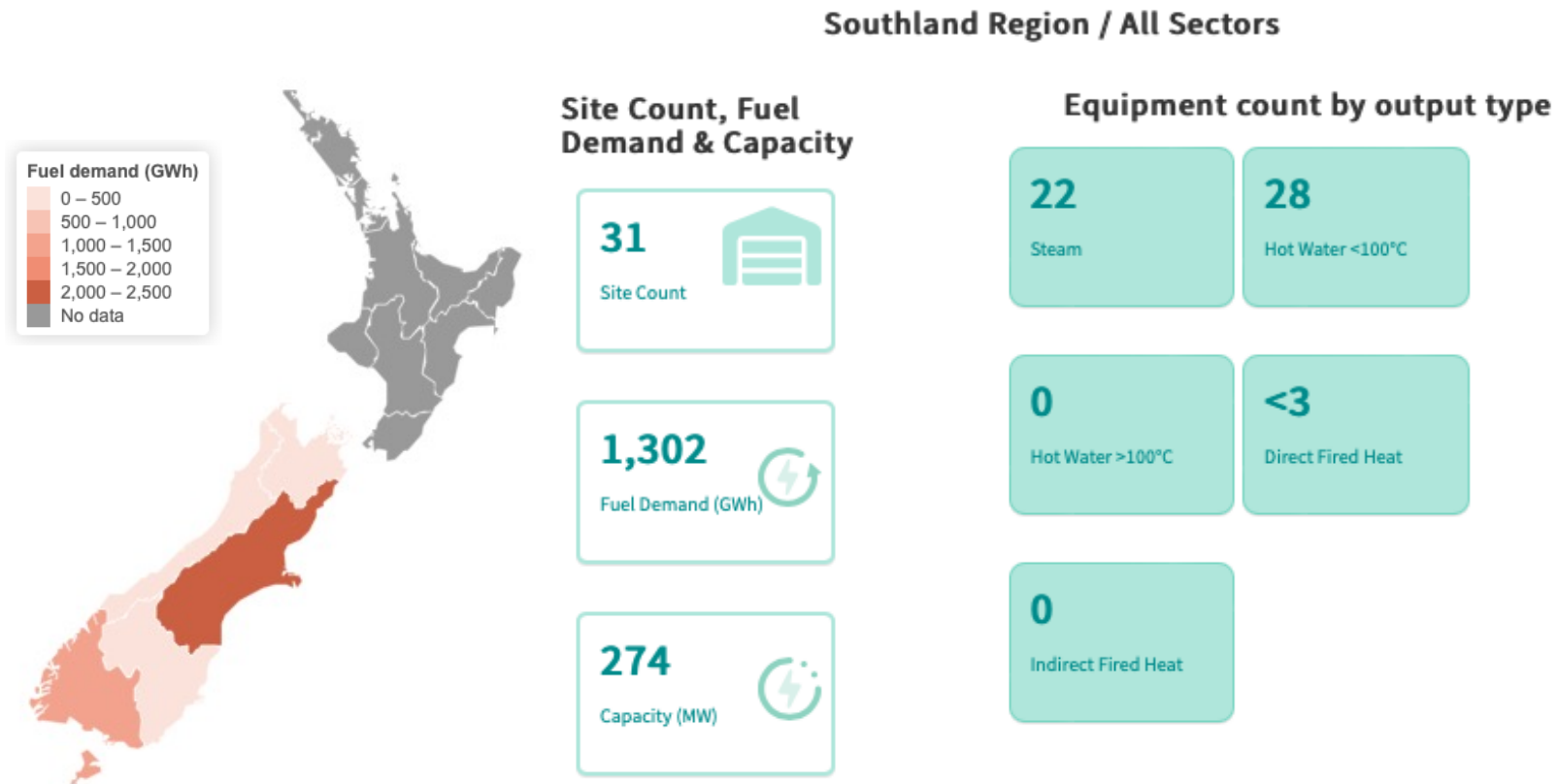
Tiwai, Southern Green Hydrogen, and Data centres are uncertain



And with the challenge comes opportunity

The decarbonization potential in Southland is significant, with process heat currently almost entirely powered by coal

Above all, the transition means opportunities for skilled jobs and great careers





Thank you

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