

## Decarbonisation Scenarios



Aurora

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## Decarbonisation by electrification

- Climate Change Commission outlines paths for NZ to reach climate targets
- Large scale electrification required
- Major focus on transport and industrial heat
- Huge increase in electricity demand
  - Significant implications for electricity networks









## Methodology Forecast = existing demand + growth due to each submodel • Flexible, transparent, interpretable Submodels Residential EV charging Commercial heat • Light EV highway charging Commercial lighting • Heavy EV highway charging Industrial heat E-Busses Residential solar Residential space heating Commercial solar Residential water heating Batteries • Underlying load growth Residential lighting Residential cooking Aurora<sup>\*\*</sup> www.auroraenergy.co.nz 6

















