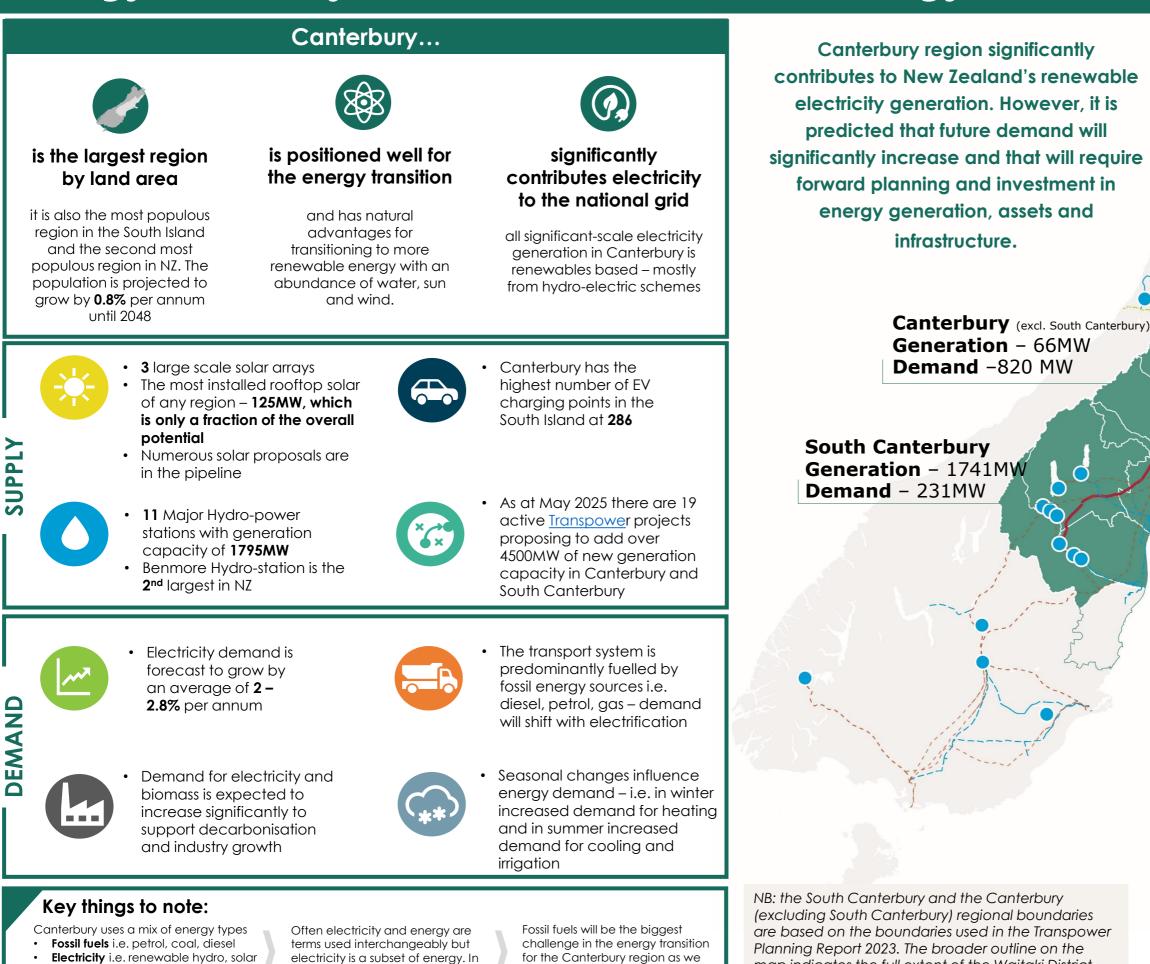
## **Energy inventory – what we know about energy in Canterbury**

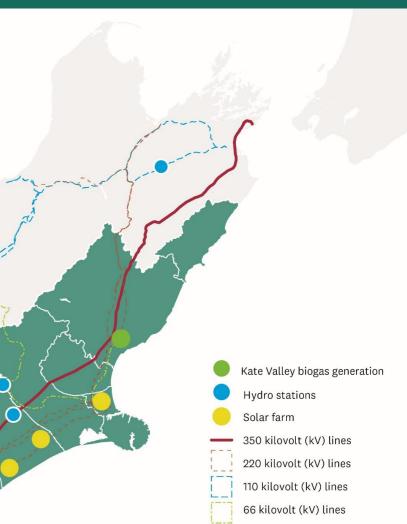


Other renewable energies i.e. biomass or wood

Canterbury we have highly renewable electricity

are still heavily reliant on fossil fuels for transport and industry

map indicates the full extent of the Waitaki District which sits across the Canterbury and Otago regions



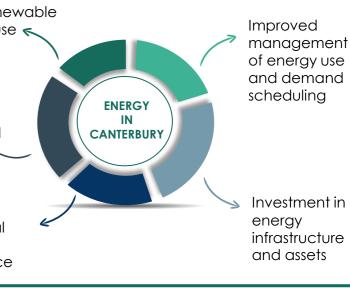
### Energy is the backbone of the economy

Canterbury generated **12.4%** of the national GDP (as of year ending March 2024). Agriculture plays a significant role in Canterbury's economy and the agriculture, forestry and fishing sector had an 8.1% increase in growth rate on the previous year compared with NZ national increase of 6.9%. Hydroelectricity generation accounted for GDP of \$102.5m in Canterbury Region in the year to March 2024, up 4.7% from a year earlier.

# Shaping the future of energy in Canterbury

Why is a collaborative approach on energy, in the form of a strategy or action plan needed for the Canterbury region? **Economic** "Without a clear shared vision for energy – Development change will be done to us, and we will lose out More renewable on the benefits and the value" "Good for energy use - Energy workshop participant Energy Climate Canterbury" **Spatial** Using less fossil Planning fuel energy r **Benefits for Benefits for Benefits for** social wellbeing the the economy environment 'We need alignment and coordinated action with Regional local, regional and national plans' Energy Resilience - Energy workshop **Opportunities and benefits** Key energy changes that Canterbury can expect Each opportunity and benefit responds to existing or potential challenges of the energy transition Ş Confidently **Encourage new** Support existing and prepare industry industry **Electricity and** new technolo There is a pipeline of Climate will Investment will renewable energy renewable energy have an impact be needed demand will increase Driven by: Canterbury has a Climate change • Investment in ٠ A growing Partnership poses significant risks pipeline of new generation and population Support approaches to Use our natu energy generation to energy supply and networks is crucial to Increasing urban community assets with s improving demand, affecting that is either meet increasing development energy models sustainable wind and wo hydro generation coming online, is electricity demand. Increasing energy use planned, and electricity industrial activity It is predicted the consented or infrastructure. Decarbonisation energy system across under construction Significant weather and electrification NZ will require an Much of this is solar events will likely of homes, unprecedented impact resilience of generation transportation Local solutions for investment of \$42 **Build energy** Improve ene energy assets and and industry. literacy and energy resilient billion in the 2020s. security infrastructure communities engagement

### Canterbury stakeholders want more confidence and clarity about how we encourage and support:



| use<br>e for<br>ogies | Lower GHG<br>emissions and<br>take climate<br>action                         | Enhance our<br>electricity system<br>and the way that<br>we manage<br>demand peaks |
|-----------------------|--|--|
| ural<br>sun,<br>ater  | Develop a<br>workforce<br>pipeline for<br>sustainable<br>energy              | Improve our<br>energy efficiency   |
| ergy                  | Shape and<br>encourage new<br>investment and<br>innovative<br>funding models | Ensure energy<br>affordability and<br>equity                                       |