

STRATEGIC PRIORITIES PROGRESS REPORT: CLIMATE CHANGE LEADERSHIP

PRIORITY ACTIONS FROM THE STRATEGIC PRIORITY ACTION PLAN

- Develop and implement climate change mitigation and adaptation action plans as part of our commitment to the Global Covenant of Mayors for Climate and Energy.
- Add our voice to international collective action and set targets for reducing greenhouse gas emissions.
- Roll out the electric vehicle outreach programme.
- Engage with the business community to encourage action to reduce greenhouse gas emissions.
- Raise awareness with the public to help increase individual and household actions that make a difference to reduce greenhouse gas emissions.
- Set a clear policy pathway to a low greenhouse gas emission future.
- Embed climate change in Council decision-making procedures.
- Pilot innovative solutions to reduce greenhouse gas emissions from Council operations and encourage the uptake of successful solutions by other organisations in the city.

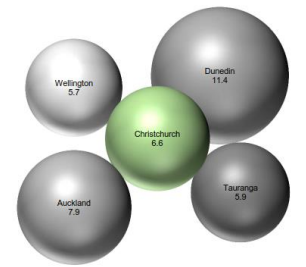
KEY ACHIEVEMENTS TO DATE

- ✓ In October 2017 launched the Innovation and Sustainability Fund supporting local projects that benefit Christchurch.
- ✓ In November 2017 Council set a target to be net carbon neutral by 2030 for Council's activities.
- ✓ In December 2017 Council joined the Global Covenant of Mayors for Climate and Energy.
- ✓ Achieve the Global Covenant of Mayors for Climate and Energy Inventory badge. This was achieved in August 2018.
- ✓ Christchurch Community Carbon Footprint 2016/17 completed in July 2018.
- ✓ In March 2018 co-hosted the Intergovernmental Panel on Climate Change and hosted public engagement events.
- ✓ The Internal Council Resource Efficiency and Greenhouse Gas Emission Programme has been established.
- ✓ In February 2018 the Christchurch 100% battery electric car sharing scheme for businesses and the public was launched.
- ✓ Installation of public electric vehicle charging infrastructure at Council and business properties.
- ✓ Artesian ground source heat pump systems have/are being installed at Council and business sites.
- ✓ Completed the thermal mapping of the wastewater network to identify heat recovery opportunities for facilities in the city.
- ✓ Undertook a feasibility study for a wastewater heat recovery system for the Metro Sports Centre.
- ✓ Energy efficiency advice was provided to 1,000 homes through Build Back Smarter.
- ✓ Major city cycleway roll out continues to encourage people to go by bike.
- ✓ Travel demand behaviour change programme delivered to large central city businesses and organisations.

Climate Change Facts



68% of respondents felt very concerned about climate change and felt it was a real threat



In the 2016/2017 year, in Christchurch an estimated 6.6 tonnes CO₂e/person was emitted



100% battery electric car sharing service launched with 100 cars



Energy efficiency advice was provided to 1,000 homes through Build Back Smarter

ANY DECISIONS, OPPORTUNITIES OR RISKS TO FLAG

DECISION:

- Council adoption of the climate change mitigation and adaptation action plans in 2018/19.

OPPORTUNITY:

- Consultation with businesses and the public leads to a greenhouse gas emission reduction target being set for the city. Climate change mitigation and adaptation action plans are adopted that are focused on measurable improvements. The climate change mitigation action plan focuses on targeting opportunities to reduce greenhouse gas emissions from the sectors with the highest emissions profile in the Christchurch Community Carbon Footprint report.

RISKS:

- Council can measure, manage and reduce its greenhouse gas emissions for Council's activities. To significantly reduce Council's emissions will require capital investment. Funding decisions will impact on Council's ability to reduce its emissions.
- Council can advocate and work with Government, businesses and the public to encourage the reduction of greenhouse gas emissions in Christchurch, however there is only so much influence that Council can have on the city's Community Carbon Footprint.
- A net carbon neutral target for the city will involve off-setting in the future. The cost and ability to off-set the city's emissions in the future is unknown.

KEY MILESTONES THIS YEAR 2018/19

- Develop climate change strategy and action plan.
- The continued implementation of the Internal Council Resource Efficiency and Greenhouse Gas Emission Programme activities.
- The roll out of the electric vehicle outreach programme for businesses and the public.
- Three battery electric buses will be operating on the Airport to the CBD Bus Interchange route by March 2019.
- Host EV World South event for businesses and the public in November 2018.
- Investigate opportunities for wastewater heat recovery systems for Council and other organisation facilities.
- New Council Procurement Policy to encourage Council suppliers to minimise waste, energy and greenhouse gas emissions.
- InfoCouncil reports will have a climate change mitigation and adaptation evaluation lens applied to relevant report topics.
- Update the Council's Infrastructure Design Standard to require designers to calculate and notify Council of the CO₂ equivalent emissions from construction.
- Develop tools to enable Council and suppliers to measure the CO₂ equivalent emissions from all construction projects.
- New region-wide Healthier Homes Canterbury service will encourage household energy efficiency, to start in September 2018.
- The Future Living Skills courses will be available for the public throughout the city from September 2018.

THE 2 KEY INDICATORS WE ARE TRACKING ccc.govt.nz/the-council/how-the-council-works/20182028-vision/strategic-priorities/climate-change-leadership/

Christchurch community carbon footprint

During the 2016/2017 June financial year, Christchurch emitted an estimated 2,485,335 tonnes of carbon dioxide equivalent (t CO₂e) excluding forestry sequestration, this equates to 6.6 t CO₂e per person. Forestry in Christchurch resulted in sequestration (carbon capture) of an estimated 362,679 t CO₂e reduces Christchurch's gross GHG emissions to 2,122,656 t CO₂e.



which



Christchurch City Council greenhouse gas emissions

Information will be included once it has been certified.

Transportation represents 53.1 per cent of these emissions, followed by stationary energy (22.7 per cent), Agriculture (10.5 per cent), Waste (9 per cent) and Industry (4.7 per cent).

