

Environment Southland Climate Actions 2019-2022

GOALS

- Shared understanding of the likely climate change impacts and response options for our communities from the impacts of climate change over time. (LTP p. 37)
- Our infrastructure network is resilient to climate change impacts, in particular, reduce the flood risk to people and property by retaining system adequacy and maintenance of flood protection works to climate change impacts. (LTP p.36)
- Environment Southland achieves net zero greenhouse gas emissions by 2050 (CCR(ZC)A)
- Environment Southland contributes positively to the Southland region achieving its share of national emissions reductions by 2050 (CCR(ZC)A)

Priority action areas	Identify, assess and respond to climate change risks and vulnerabilities	Identify and leverage resources	Measure and reduce the ES GHG emissions	Evaluate, monitor and communicate progress
How Environment Southland will make it work	<p>Knowledge: generating and utilising knowledge and solutions</p> <p>Connectivity: thinking holistically</p> <p>Investment in the future: investment across the spectrum of capability</p>	<p>Investment in the future: investment across the spectrum of capability</p> <p>Connectivity: thinking holistically</p>	<p>Knowledge: generating and utilising knowledge and solutions</p> <p>Investment in the future: investment across the spectrum of capability</p>	<p>Knowledge: generating and utilising knowledge and solutions</p> <p>Connectivity: thinking holistically</p> <p>Engagement: building trust and confidence from shared understanding</p>
Actions 2019/2020	<p>Using the latest information, assess and plan for current and future vulnerabilities to climate impacts (ongoing).</p> <p>Collaborate with partners and key stakeholders to incorporate climate change projections in infrastructure planning.</p> <p>Initiate acquisition of LiDAR data through PGF funded program.</p> <p>Prepare a stocktake of natural hazards.</p> <p>Develop a robust measure of vulnerability in partnership with TA's.</p> <p>Initiate full engineering review of Waihopai flood management scheme including climate change impacts.</p> <p>Use the NIWA report to inform infrastructure asset risk management assessment.</p> <p>Apply the NIWA report content to update hazard management advice.</p> <p>Model risks to infrastructure assets from climate change for the Waihopai catchment.</p> <p>Insure stopbank infrastructure to protect from climate change in the Waihopai catchment.</p> <p>Suitably upgrade Stead Street pump station to accommodate climate change risks to area.</p> <p>Advocate for climate change policy by including options in the Land Transport SIG groups RLTP template development.</p> <p>Analyse environmental data collected in Southland for trends indicating climate change impacts.</p> <p>Model potential environmental outcomes based on existing trends of collected data.</p>	<p>Develop collaborative approach to regional climate change actions with all Southland councils.</p> <p>Identify budgetary requirements for climate action through the Annual Plan and Long Term Plan processes.</p> <p>Identify and support local champions to enable resilience initiatives and transition to a low carbon activity.</p> <p>Carry out a review of the Council's existing and potential practices and resources.</p> <p>Develop a stocktake of actions that can be undertaken within existing budgets.</p> <p>Liaise with the Ministry for the Environment and other central government agencies.</p>	<p>Develop and support best practice urban design principles that move us to low/zero carbon alternatives e.g. transport and sustainable building.</p> <p>Establish a structure for measuring the ES emissions baseline and drive behaviour change within the Council.</p> <p>Design and implement an emissions reduction programme across all ES operations.</p> <p>Resource management includes net zero carbon goals and objectives.</p> <p>Work closely with Great South to align with the Carbon Neutral Advantage program.</p> <p>Increase hybrid and low emission vehicles in the ES fleet.</p>	<p>Develop and implement an external engagement plan on climate change impacts and emissions reductions – including agreed language and terminology to use e.g. 'a Climate Change Style Guide'.</p> <p>Include climate change considerations and carbon accounting in all ES decision-making and reporting.</p> <p>Establish an internal performance framework and key performance indicators to track progress.</p> <p>Establish a monitoring and evaluation framework.</p> <p>Establish a process for communicating progress regularly.</p> <p>Incorporate legislation and regulations into the Climate Action Plan (and beyond) where relevant e.g. Climate Change Response (Zero Carbon) Amendment Bill.</p> <p>Deliver climate change and action workshops for education providers (EE/LAWS).</p>

Targets & measures (TBD)	<p>LiDAR Data Capture project contract signed and project program agreed for 2020-2021 financial year. (commencement July 2020)</p> <p>Report on engineering review of Waihopai flood management scheme completed by second quarter 2020.</p> <p>Stocktake of natural hazards including climate induced changes completed by second quarter 2020.</p>	<p>Collaborative planning process underway – draft regional climate action plan by June 2020.</p>	<p>Hybrid vehicle testing currently underway in ES fleet.</p> <p>Complete an 'Emissions Measurement Audit' or similar.</p>	<p>Education provider workshops underway.</p>
Actions 2020/2021	<p>LiDAR data capture underway; high priority = Southland coastal areas from Te Waewae Bay to Waikawa (including Oban) initial focus on the area from low tide mark to 15 kilometres inland.</p> <p>Develop program and capacity for public release of digital elevation data.</p> <p>Incorporation of Waihopai flood management scheme review findings in asset management planning.</p>	<p>Identify resources and budget requirements through the Long Term Plan 2021 (e.g. community initiatives, fleet, incentives, audits, education, staffing, baseline research, and IT systems).</p> <p>Support and enable the community and businesses to reduce emissions and build local resilience.</p> <p>Lobby central government on Resource Management Act and Building Act reform.</p>	<p>Develop a comprehensive GHG Reduction Toolkit and district-wide Roadmap consistent with national targets as per climate change legislation.</p> <p>Implement the emissions reduction programme following the initial audit.</p> <p>Begin transition to a ES hybrid/ EV fleet.</p> <p>Work with providers and neighbouring councils to plan a regional EV charging network.</p> <p>Work with Carbon Neutral Advantage program and as part of Air Plan review, encourage fossil fuel combustion users to switch to clean, renewable energy sources.</p> <p>Explore renewable energy investment opportunities.</p>	<p>Work closely with the community to develop the next climate action plan.</p>
Targets & measures (TBD)	<p>First upload of LiDAR data capture in progress, with priority capture of Southland coastal areas – June 2021.</p> <p>Digital elevation data available for use in improving hazard information in coastal areas – June 2021</p> <p>Digital elevation data available for use in asset management in coastal areas – June 2021</p>			
Actions 2021/2022	<p>LiDAR data capture completed – inland areas (catchments) and areas over 400m</p>	<p>Identify budgetary requirements for climate action through the Annual Plan process.</p>		<p>Finalise the next climate action plan.</p>
Targets & measures (TBD)	<p>Upload of LiDAR data capture completed – June 2022.</p> <p>Digital elevation data available for use in improving hazard information in river catchments – June 2021</p> <p>Digital elevation data available for use in asset management in river catchments – June 2021</p>			