



Environment Southland Climate Action Plan 2020-2022

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)

Environment Southland Strategic Climate Outcomes	Manage access to quality natural resources in a changing climate	Communities are empowered to mitigate and respond to climate change	Opportunities to make a living are climate aware	Progress towards goals is evaluated, monitored and communicated																					
Environment Southland strategic alignment	<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>Engagement: building trust and confidence from shared understanding</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>																					
<p>Actions 2020/2021</p>	<p>Ensure national climate projections inform ES measurement and analysis.</p> <table border="1" data-bbox="344 1038 768 1174"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Science Informatics and Operations</td></tr> <tr><td>Date Due: June 2021</td></tr> </table> <p>Design an emissions reduction programme across all ES operations.</p> <table border="1" data-bbox="344 1275 768 1377"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Corporate Services</td></tr> <tr><td>Date Due: June 2021</td></tr> </table>	Action:	Responsibility: Science Informatics and Operations	Date Due: June 2021	Action:	Responsibility: Corporate Services	Date Due: June 2021	<p>Take stock of natural hazards, including changes due to impact of global heating.</p> <table border="1" data-bbox="795 1070 1218 1174"> <tr><td>Action: Underway.</td></tr> <tr><td>Responsibility: Policy and Planning</td></tr> <tr><td>Date Due: June 2022</td></tr> </table> <p>Develop collaborative approach to regional climate change actions with all Southland councils.</p> <table border="1" data-bbox="795 1307 1218 1442"> <tr><td>Action: Underway</td></tr> <tr><td>Responsibility: Policy and Planning; Communications</td></tr> <tr><td>Date Due: Dec 2020</td></tr> </table>	Action: Underway.	Responsibility: Policy and Planning	Date Due: June 2022	Action: Underway	Responsibility: Policy and Planning; Communications	Date Due: Dec 2020	<p>Develop program and capacity for public release of digital elevation data for improving hazard information and asset management in coastal areas</p> <table border="1" data-bbox="1247 1107 1671 1275"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Information Services; Policy and Planning; Communications</td></tr> <tr><td>Date Due: June 2021</td></tr> </table>	Action:	Responsibility: Information Services; Policy and Planning; Communications	Date Due: June 2021	<p>Establish a structure for measuring the ES emissions baseline and drive behaviour change within the Council.</p> <table border="1" data-bbox="1700 1070 2123 1174"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Corporate Services</td></tr> <tr><td>Date Due: June 2021</td></tr> </table> <p>Vehicle management systems to include vehicle emissions record</p> <table border="1" data-bbox="1700 1275 2123 1377"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Corporate Services</td></tr> <tr><td>Date Due: June 2020</td></tr> </table>	Action:	Responsibility: Corporate Services	Date Due: June 2021	Action:	Responsibility: Corporate Services	Date Due: June 2020
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	<p>Undertake usage trials of hybrid vehicle as part of the ES fleet.</p> <table border="1" data-bbox="344 440 768 539"> <tr><td>Action: Underway</td></tr> <tr><td>Responsibility: Corporate Services</td></tr> <tr><td>Date Due: Dec 2020</td></tr> </table> <p>Identify ES needs from and role in supporting a regional EV charging network to support ES transition to hybrid electric vehicles.</p> <table border="1" data-bbox="344 707 768 805"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Corporate Services</td></tr> <tr><td>Date Due: June 2021</td></tr> </table> <p>Advocate for climate change policy by including options in the Land Transport SIG groups RLTP template development.</p> <table border="1" data-bbox="344 973 768 1072"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Policy and Planning</td></tr> <tr><td>Date Due: Dec 2020</td></tr> </table>	Action: Underway	Responsibility: Corporate Services	Date Due: Dec 2020	Action:	Responsibility: Corporate Services	Date Due: June 2021	Action:	Responsibility: Policy and Planning	Date Due: Dec 2020	<p>Incorporation of Waihopai flood management scheme review findings in asset management planning.</p> <table border="1" data-bbox="795 474 1218 604"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Catchment Operations</td></tr> <tr><td>Date Due: Dec 2020</td></tr> </table> <p>Undertake a comprehensive engineering assessment of all flood banks</p> <table border="1" data-bbox="795 738 1218 869"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Catchment Operations</td></tr> <tr><td>Date Due: Dec 2020</td></tr> </table> <p>Initiate upgrade of Stead Street pump station to accommodate climate change risks to area.</p> <table border="1" data-bbox="795 1003 1218 1134"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Catchment Operations</td></tr> <tr><td>Date Due: Dec 2020</td></tr> </table> <p>Adopt a collaborative approach to incorporating climate change projections in infrastructure planning.</p> <table border="1" data-bbox="795 1302 1218 1433"> <tr><td>Action: Underway</td></tr> <tr><td>Responsibility: Policy and Planning; Catchment Operations</td></tr> <tr><td>Date Due: Dec 2020</td></tr> </table>	Action:	Responsibility: Catchment Operations	Date Due: Dec 2020	Action:	Responsibility: Catchment Operations	Date Due: Dec 2020	Action:	Responsibility: Catchment Operations	Date Due: Dec 2020	Action: Underway	Responsibility: Policy and Planning; Catchment Operations	Date Due: Dec 2020	<p>Identify opportunities with air quality projects to encourage carbon intensive combustion users to switch to clean, renewable energy sources.</p> <table border="1" data-bbox="1247 505 1671 636"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Policy and Planning; Science, Strategy & Investigation</td></tr> <tr><td>Date Due: June 2021</td></tr> </table>	Action:	Responsibility: Policy and Planning; Science, Strategy & Investigation	Date Due: June 2021	<p>Complete an ES energy audit.</p> <table border="1" data-bbox="1700 405 2123 504"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Corporate Services</td></tr> <tr><td>Date Due: June 2021</td></tr> </table> <p>Develop ES measures and targets consistent with national targets as per climate change legislation.</p> <table border="1" data-bbox="1700 638 2123 737"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Policy and Planning</td></tr> <tr><td>Date Due: Dec 2021</td></tr> </table> <p>Include climate change considerations and carbon accounting in all ES decision-making and reporting.</p> <table border="1" data-bbox="1700 871 2123 1002"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Strategy and Engagement</td></tr> <tr><td>Date Due: June 2021</td></tr> </table> <p>Ensure internal performance frameworks and key performance indicators include progress on climate actions.</p> <table border="1" data-bbox="1700 1169 2123 1300"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Strategy and Engagement; Corporate Services</td></tr> <tr><td>Date Due: June 2021</td></tr> </table> <p>Develop interim outcome targets for climate change and community resilience.</p> <table border="1" data-bbox="1700 1436 2123 1471"> <tr><td>Action:</td></tr> </table>	Action:	Responsibility: Corporate Services	Date Due: June 2021	Action:	Responsibility: Policy and Planning	Date Due: Dec 2021	Action:	Responsibility: Strategy and Engagement	Date Due: June 2021	Action:	Responsibility: Strategy and Engagement; Corporate Services	Date Due: June 2021	Action:
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		<p>Project manage LiDAR data capture for priority 1 zone (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> <table border="1" data-bbox="797 568 1218 703"> <tr><td>Action: Yet to commence</td></tr> <tr><td>Responsibility: Information Systems; Policy and Planning</td></tr> <tr><td>Date Due: June 2021</td></tr> </table> <p>Continue stocktake of existing landfills at risk from climate change impacts.</p> <table border="1" data-bbox="797 804 1218 940"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Land and Water Services</td></tr> <tr><td>Date Due: Aug 2020</td></tr> </table> <p>Develop ES response to the National Climate Change Adaptation Plan and other national actions.</p> <table border="1" data-bbox="797 1072 1218 1171"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Policy and Planning</td></tr> <tr><td>Date Due: 1 June 2021</td></tr> </table>	Action: Yet to commence	Responsibility: Information Systems; Policy and Planning	Date Due: June 2021	Action:	Responsibility: Land and Water Services	Date Due: Aug 2020	Action:	Responsibility: Policy and Planning	Date Due: 1 June 2021		<table border="1" data-bbox="1702 373 2092 472"> <tr><td>Responsibility: Strategy and Engagement</td></tr> <tr><td>Date Due: June 2021</td></tr> </table> <p>Commence development of strategic climate change and community resilience outcomes within 2021 Long Term Plan.</p> <table border="1" data-bbox="1702 639 2092 775"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Strategy and Engagement</td></tr> <tr><td>Date Due: March 2021</td></tr> </table>	Responsibility: Strategy and Engagement	Date Due: June 2021	Action:	Responsibility: Strategy and Engagement	Date Due: March 2021
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<p>Actions 2021/2022</p>	<p>Implement the emissions reduction programme.</p> <table border="1" data-bbox="342 1241 766 1345"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Corporate Services</td></tr> <tr><td>Date Due: June 2022</td></tr> </table>	Action:	Responsibility: Corporate Services	Date Due: June 2022	<p>Project manage LiDAR data capture of priority zones 2 and 3 – inland areas (catchments) and areas over 400m.</p> <table border="1" data-bbox="797 1273 1218 1409"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Information Systems; Policy and Planning</td></tr> <tr><td>Date Due: June 2022</td></tr> </table>	Action:	Responsibility: Information Systems; Policy and Planning	Date Due: June 2022	<p>Identify lessons learned during Covid-19 lockdown period to increase use of IT and remote sensing.</p> <table border="1" data-bbox="1249 1273 1671 1377"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Information Systems</td></tr> <tr><td>Date Due: Dec 2021</td></tr> </table>	Action:	Responsibility: Information Systems	Date Due: Dec 2021	<p>Develop and implement an external engagement plan on climate change impacts and emissions reductions.</p> <table border="1" data-bbox="1702 1273 2092 1409"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Policy and Planning; Communications</td></tr> <tr><td>Date Due: Dec 2021</td></tr> </table>	Action:	Responsibility: Policy and Planning; Communications	Date Due: Dec 2021		
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	<p>Plan a transition to maximise ES hybrid/ EV fleet.</p> <table border="1" data-bbox="344 440 772 539"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Corporate Services</td></tr> <tr><td>Date Due: June 2022</td></tr> </table>	Action:	Responsibility: Corporate Services	Date Due: June 2022		<p>Investigate technology such as drones to reduce vehicle use and staff travel.</p> <table border="1" data-bbox="1254 440 1682 539"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Information Systems</td></tr> <tr><td>Date Due: Dec 2021</td></tr> </table> <p>Identify and support local champions to enable resilience initiatives and transition to a low carbon business model.</p> <table border="1" data-bbox="1254 707 1682 839"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Land and Water Services</td></tr> <tr><td>Date Due: Dec 2021</td></tr> </table> <p>ES investigates a resource management approach that includes net zero carbon goals and objectives.</p> <table border="1" data-bbox="1254 975 1682 1107"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Policy and Planning; Land and Water Services</td></tr> <tr><td>Date Due: June 2022</td></tr> </table> <p>Complete planning of digital elevation data for improving hazard information and asset management in river catchments.</p> <table border="1" data-bbox="1254 1275 1682 1436"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Information Services; Policy and Planning; Communications</td></tr> <tr><td>Date Due: June 2022</td></tr> </table>	Action:	Responsibility: Information Systems	Date Due: Dec 2021	Action:	Responsibility: Land and Water Services	Date Due: Dec 2021	Action:	Responsibility: Policy and Planning; Land and Water Services	Date Due: June 2022	Action:	Responsibility: Information Services; Policy and Planning; Communications	Date Due: June 2022	<p>Commence development of strategic climate change and community resilience outcomes within 2024 Long Term Plan.</p> <table border="1" data-bbox="1709 504 2114 636"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Strategy and Engagement; Policy and Planning</td></tr> <tr><td>Date Due: June 2022</td></tr> </table> <p>Ensure impacts of climate change are included in next Civil Defence Plan for Southland</p> <table border="1" data-bbox="1709 772 2136 904"> <tr><td>Action:</td></tr> <tr><td>Responsibility: Emergency Management</td></tr> <tr><td>Date Due: June 2022</td></tr> </table>	Action:	Responsibility: Strategy and Engagement; Policy and Planning	Date Due: June 2022	Action:	Responsibility: Emergency Management	Date Due: June 2022
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