



Marlborough District Council Climate Change Action Plan 2020

MDC Climate Change Action Plan 2020

On 12 March 2020, the Working Group presented to the Environment Committee and recommended the Climate Change Action Plan below be adopted by Council. Council ratified the decision of the Environment Committee to adopt the Climate Change Action Plan on 2 April 2020.

Goals	Focus Areas	Actions (2019-2021)	Resources	Actions 2021-2024	Actions 2024+
1. Council contributes to NZ's efforts to reduce greenhouse gas emissions (including net carbon emissions).	(a) Contribute to the reduction of emissions as directed by the Climate Change (Carbon Zero) Amendment Act 2019, emissions budgets and other applicable regulation.	(i) Undertake a baseline inventory of Council emissions by end of 2020; and the regular monitoring of Council's greenhouse gas emissions.	\$	Regular monitoring of emissions and review targets.	Regular monitoring of emissions and review targets.
		(ii) Identify and prioritise activities to reduce emissions from Council offices (e.g. refrigeration emissions from air-conditioning, reduce travel by holding virtual meetings, working from home etc), Council operations (e.g. methane from landfill) and Council vehicle fleets.	Staff time	Implement emissions reduction programme.	Implement and review emissions reduction programme.
		(iii) Assist the private sector to provide a higher number of strategically located electric vehicle charging stations and electric bike docks/charging stations across the district. Continue to increase the number of plug-in hybrid vehicles in Council's fleet and investigate use of electric vehicles.	Staff time \$	Investigate opportunities to transition the majority of Council's fleet away from fossil fuels (i.e. replace with plug-in hybrid and electric vehicles).	Transition the majority of Council's fleet away from fossil fuels (i.e. replace with plug-in hybrid and electric vehicles).
		(iv) Review Council's Procurement Policy to include consideration of emissions as a factor.	Staff time	Implement reviewed Procurement Policy.	Further review Procurement Policy.
		(v) Continue to invest in forest plantations and participate in the Emissions Trading Scheme programme. Explore opportunities	BAU	Continue to invest in forest plantations and participate in the ETS programme. Explore opportunities to	Continue to invest in forest plantations and participate in the ETS programme. Explore

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		to undertake carbon sequestration planting on Council land.		plant carbon forests on Council land (e.g. river berm land).	opportunities to plant carbon forests on Council land (e.g. river berm land).
		(vi) Continue to work with communities to develop catchment care programmes (e.g. riparian margin restoration, habitat enhancement, land stability, planting in Council parks & reserves and within roading corridors), to sequester carbon in conjunction with the Indigenous Biodiversity National Policy Statement (once in force).	BAU	Continue to work with communities on catchment care and biodiversity programmes.	Continue to work with communities on catchment care and biodiversity programmes.
		(vii) Continue to support landowner applications to the government's Billion Trees fund (and other relevant funds).	BAU	Continue to support landowner applications to the government's Billion Trees fund (and other relevant funds).	Continue to support landowner applications to the government's Billion Trees fund (and other relevant funds).
		(viii) Investigate energy efficient design and renewable energy options for Council buildings.	\$	Implement energy efficiency and renewable energy generation actions (e.g. solar panels on Council's buildings).	Monitor technology developments for improvements to energy efficiency and implement these where feasible.
		(ix) Continue to develop Council's Waste Management & Minimisation Plan to reduce total waste to landfill (including promotion of the circular economy, education, service changes, etc).	\$	Develop further programmes to support waste reduction.	Develop further programmes to support waste reduction.

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		(x) Investigate options for reducing green waste to landfills.	Staff time	Review programmes for reducing green waste to landfills and composting.	Implement programmes for reducing green waste to landfills and composting.
	(b) Council decisions for planning and infrastructure design supports private individuals and businesses to reduce their emissions by 80% by 2050. <i>Targets are based on Zero Carbon Act and will be adjusted if necessary to meet the legislation.</i>	(i) Collaborate with central government initiatives for incentivising: (a) low carbon footprint buildings; (b) highly energy efficient buildings; (c) renewable energy use in buildings; (d) reductions in refrigeration emissions from air conditioning and disposal of refrigerants; (e) enhanced urban/subdivision design.	Staff time	Implement preferred options.	Implement preferred options.
		(ii) Through the Marlborough Environment Plan (MEP) and other means, continue to explore housing intensification to reduce the need for car travel.	\$	Implement the MEP.	Review and implement the MEP.
		(iii) Investigate options for further promoting the Warmer Homes programme.	Staff time	Support & promote the Warmer Homes programme.	Support & promote the Warmer Homes programme.
		(iv) Review renewable energy generation provisions in the MEP.	BAU	Planning documents enable renewable energy generation.	Planning documents enable renewable energy generation.
		(c) Year on year, use	(i) Through the Regional Land	BAU	Implement action plan to

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	of alternative modes of transport increases, whereas use of single-occupancy internal combustion engine vehicles on Marlborough roads declines.	Transport Plan, and in conjunction with NZTA, investigate options for increasing use of public transport (where this will provide the best outcome) and prepare action plan to increase public transport use.		increase public transport use.	to increase public transport use.
		(ii) Investigate ways to incentivise use of alternative transport modes, such as ride sharing and EVs.	Staff time	Investigate ways to incentivise use of alternative transport modes, such as ride sharing and EVs.	Investigate ways to incentivise use of alternative transport modes, such as ride sharing and EVs.
	(d) Use of active transport (e.g. walking, cycling etc) as a form of transportation increases year on year.	(iii) Through the Regional Land Transport Plan, continue investment in new and (maintenance of) existing active transport networks.	BAU	Increased investment in new and maintenance of active transport networks. Impediments to use of network are steadily removed.	Increased investment in new and maintenance of active transport networks.
		(iv) Through the MEP and implementation of the Bike/Walk strategy, implement requirements on new developments to provide for active transport.	BAU	Effectiveness of provisions are monitored and reviewed as necessary.	Effectiveness of provisions are monitored and reviewed as necessary.
		(v) In conjunction with central government and local agencies, fund infrastructure programmes and activities that support increased use of active transport network.	\$	Fund active transport infrastructure programmes and activities.	Fund active transport infrastructure programmes and activities.
		Continue to seek and obtain co-funding for active transport network development and maintenance.	BAU	Continue to seek and obtain co-funding for active transport network development and	Continue to seek and obtain co-funding for active transport network development

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				maintenance.	and maintenance.
2. Marlborough District becomes more resilient to the impacts of climate change.	(a) Progressively improve network infrastructure resilience to climate change risks across all Council networks.	(i) Prepare infrastructure risk and resilience assessment Asset Management Plans (AMPs) identifying critical infrastructure (i.e. water supply sources, stormwater, wastewater, transportation, and solid waste) and their vulnerability to natural hazards and climate change. The plans will also identify what infrastructure will become redundant.	BAU	AMPs account for climate change risks, uncertainty, and resilience for the entire life of current and future infrastructure (i.e. future proof design). All assets should be assessed for climate change risks at their proposed location, before decisions on siting of a new asset/replacement of existing assets are made. Funding for repair or replacement of network infrastructure incorporates accounting for climate change risks and resilience.	Implementation of AMPs through network development projects. Funding obtained through future plans.
		(ii) Review Council's policy on emergency funds, to ensure it anticipates repair/replacement and relocation costs that factor in climate change risks ("build back better"). Investigate the potential funding requirements of implementing this policy.	Staff time	The Long Term Plan 2021-2031 incorporates emergency funds that anticipate repair/replacement/relocation costs that factor in climate change risks.	Funding maintained or increased as risks increase.
	(b) New coastal development and infrastructure accounts for	(i) Develop a coastal hazard plan including consideration of the extent of the risks, options, and regulatory responses for	BAU	Develop a coastal hazard plan.	Implement the coastal hazard plan.

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	climate change risks, including sea level rise.	adaptation, relocation, coastal structures etc.			
		(ii) Regulatory activities (resource and building consenting) continue to account for sea level rise based on the MEP provisions and the latest MfE Guidance.	BAU	Regulatory activities (resource and building consenting) continue to account for sea level rise based on latest MfE Guidance.	Regulatory activities (resource and building consenting) continue to account for sea level rise based on latest MfE Guidance.
		(iii) Undertake and support national initiatives to undertake mapping of the coastal margins.	\$	Undertake mapping	Update mapping
		(iv) Use the Dynamic Adaptive Pathways Planning (DAPP) and other appropriate tools in decision-making where appropriate.	BAU	Use DAPP and other tools	Use DAPP and other tools
	(c) Ecological adaptation to climate change is taken into account when making decisions.	(i) Review options for how Council can be more agile and responsive to increased biosecurity risks (including marine pathway biosecurity risks) and pest management requirements, in response to the changing climate; including through the Regional Pest Management Strategy.	Staff time	Implement new options for biosecurity and pest management.	Implement new options for biosecurity and pest management.
		(ii) Continue to support the Marlborough Environment Awards and seek opportunities to recognise climate change initiatives through the Awards.	BAU	Seek opportunities to recognise climate change initiatives through the Marlborough Environment Awards.	Seek opportunities to recognise climate change initiatives through the Marlborough Environment Awards.

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3. The Marlborough community is informed of climate change actions and options for response.	(a) Council leads the establishment of a climate change forum.	(i) Encourage community collaboration and active involvement with the Forum	Staff time	Establish and lead Forum.	Establish and lead Forum.
	(b) Encourage private adaptation and business adaptation to climate change by providing clear and applicable information.	(i) Obtain updated information on local climate impacts and collate and publicise relevant information.	BAU	Ongoing information gathering and publication.	Ongoing information gathering and publication.
		(ii) Maintain Council's website climate change pages with relevant and up-to-date information on local impacts, options for Council and private mitigation, and Council's adaptation options and responses.	Staff time	Website maintenance and updates.	Website maintenance and updates.
		(iii) Incentivise and support ideas for innovation from the community	\$	Incentivise and support ideas for innovation from the community.	Incentivise and support ideas for innovation from the community.
		(iv) Continue to implement the Climate Change Integrated Work Programme.	BAU	Continue to implement the Climate Change Integrated Work Programme.	Continue to implement the Climate Change Integrated Work Programme.
4. Council shows clear leadership on climate change issues.	(a) Council's elected representatives demonstrate regional leadership.	(i) Promotion of innovations, changes and initiatives that individuals and businesses can take to reduce emissions, benefit from climate changes and improve resilience.	\$	Promotion of innovations, changes and initiatives that individuals and businesses can take to reduce emissions, benefit from climate changes and improve resilience.	Promotion of innovations, changes and initiatives that individuals and businesses can take to reduce emissions, benefit from climate changes and improve resilience.
		(ii) Liaison and collaboration with local government agencies, iwi, central government and others to provide clear and consistent messaging	Staff time	Liaison and collaboration with local government agencies, iwi, central government and others to provide clear and	Liaison and collaboration with local government agencies, iwi, central government

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		and and directions for change.		consistent messaging and directions for change.	and others to provide clear and consistent messaging and directions for change.
	(b) Council's staff work collaboratively to implement the Climate Change Action Plan.	(i) Formation of a Climate Change Working Group comprising staff across Council to champion implementation of this plan which is supported by Council management and Councillors	Staff time	Climate Change Working Group continues to champion implementation of this Action Plan	Climate Change Working Group continues to champion implementation of this Action Plan
	(c) Decisions of Council consider the implications of climate change for current and future generations.	(i) Include assumptions for climate change in the Long Term Plan, including provision for uncertainty, based on latest scientific evidence from the Intergovernmental Panel on Climate Change (IPCC).	Staff time	Include assumptions for climate change in the Long Term Plan, including provision for uncertainty, based on the latest scientific evidence.	Include assumptions for climate change in the Long Term Plan, including provision for uncertainty, based on latest scientific evidence.
		(ii) Incorporate funding provision in the Long Term Plan to implement this Action Plan.	BAU	Incorporate funding provision in the Long Term Plan to implement this Action Plan.	Incorporate funding provision in the Long Term Plan to implement this Action Plan.
		(iii) Develop an internal staff policy for guiding and informing agenda items, reports and projects.	BAU	Review and monitor implementation of the policy.	Review and monitor implementation of the policy.
	(d) Council reports on its progressive implementation of this Action Plan.	(i) Reporting on progress towards targets of this Action Plan is included in Council's Annual Report.	BAU	Annual reporting.	Annual reporting.