

Kōrero Mai *Let's Talk*

Tell us what you think about our
draft climate change strategy and
action plans by 5pm Friday,
4 September 2020.



Climate Change Action Plan:

Energy

Mahere Mahi Huringa Āhuarangi:

Pūngao

This is one of six action plans, which support
our Climate Change Strategy 2020-23.

These documents are drafts for community feedback.

To view the other documents, visit koreromai.whakatane.govt.nz



Why this area is important *He aha tēnei e whakahirahira ai?*

Energy represents the second largest emissions sector for the district, contributing 16.9% to overall emissions. The majority of the stationary energy emissions result from natural gas use¹. Energy also makes up 38% of the Council's overall emissions, primarily electricity(28%).

This action plan incorporates energy used for the production of electricity and gas but excludes the use of fossil fuels for transportation purposes (these are covered in the transport action plan).



16.9%
NATURAL GAS
& ELECTRICITY

OF WHAKATĀNE DISTRICT
CARBON FOOTPRINT



38%
NATURAL GAS
& ELECTRICITY

OF WHAKATĀNE DISTRICT COUNCIL
CARBON FOOTPRINT

Where we are now *Kei hea tātou ināianei?*

The Council undertook an energy audit in 2018 in collaboration with EECA and with the support of EMSOL². Since then an energy management programme has been underway to identify opportunities for energy savings and emission reductions.

From the initiation of the energy management programme in October 2019 to May 2020, Council saw a reduction of approx. 800,000kWh of energy use. This is an equivalent of approx. 170,000 kgCo2e* less carbon emitted into the atmosphere or six households worth of less carbon emitted per year³. Further energy efficiency opportunities are being actively progressed.

The energy management programme is being embedded into Council activities through the development of an Energy Management Policy and the creation of an Energy Action Group (EAG); an interdepartmental management group that ensures teams across the organisation are aware of and working towards Council's commitment to emission reduction.

* **DEFINITION** - carbon dioxide equivalent (CO2e) is a measure for how much global warming a given type and amount of greenhouse gas causes, using the equivalent amount of carbon dioxide as the reference. CO2e is used for describing different greenhouse gases in a common unit, which allows them to be reported consistently⁴.

¹ Bay of Plenty Community Carbon Footprint 2015/16

² Whakatāne District Council Energy Audit, November 2019

³ Estimated based on the Ministry for the Environment report "[New Zealand's Greenhouse Gas Inventory 1990-2017](#)" defining the New Zealand gross carbon dioxide emissions in 2016 to be 7.4 tCO2 per capita and assuming an average four person household.

⁴ As defined by the Ministry for the Environment in the report "[New Zealand's Greenhouse Gas Inventory 1990-2017](#)"

What we want this action plan to achieve

Ngā paetae o tēnei Mahere Mahi

Outcomes

1. Reduced energy-related carbon emissions
2. Building energy supply resilience of the Whakatāne District

Goals

1. Promote energy efficiency
2. Encourage low carbon energy options
3. Encourage the development of resilient low carbon energy options

Council energy target

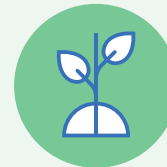
1. Ensure Council delivers the benefits of 600,000 kWh p.a. energy savings by 20 June 2022.

This action plan primarily contributes to these climate change principles:



We will think and act long term



*Ka whakaaro pae tawhiti,
ka mahi pae tawhiti mātou*








We will care for and protect the environment

*Ka manaaki, ka tiaki mātou
i te taiao*

SHORT TERM RESOURCE REQUIREMENT

 = Additional funding requirement
  = Incorporate into business-as-usual (BAU)
  = Additional staff time requirement

Goal	Actions	Short term (2020/21)	Short term resource requirement (\$/BAU/staff time)	Medium term (2022-24)	Long term (2024-31)	Key external stakeholders and partners
1. Promote energy efficiency	1.1 Adopt Energy Management Programme and establish an interdepartmental Energy Action Group	Formalise Energy Action Group and Terms of Reference		Energy Action Group continue regularly measure and monitor energy use and report on progress	Energy Action Group continue regularly measure and monitor energy use and report on progress Review Energy Policy in 2025 and 2030	Not applicable
	1.2 Undertake Energy Audit	Adopt Energy Policy		Review, modify and enhance the Audit in 2023	Review, modify and enhance the Audit in 2028	EMSOL
	1.3 Reduce energy use within existing facilities through energy efficiency initiatives	Implement Energy Audit recommendations with a payback period of less than three years. Invest in energy efficiency and related greenhouse gas mitigation	 	Reduce electricity usage through efficiency measures identified through Energy Audit Invest in energy efficiency and related greenhouse gas mitigation	Continue to monitor usage trends and stay at cutting edge of efficient technology Invest in energy efficiency and related greenhouse gas mitigation	EMSOL Energy Efficiency and Conservation Authority
	1.4 Energy consumption considered for all major new projects	Council decision-making processes around new projects include consideration of energy efficiency and energy-related greenhouse gas emission consumption		All new projects will consider energy efficiency and energy-related greenhouse gas emission	All new projects will consider energy efficiency and energy-related greenhouse gas emission	To be determined

SHORT TERM RESOURCE REQUIREMENT



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= Additional staff time requirement

Goal	Actions	Short term (2020/21)	Short term resource requirement (\$/BAU/staff time)	Medium term (2022-24)	Long term (2024-31)	Key external stakeholders and partners
2. Encourage low carbon energy options	2.1. Plan to transition from use of natural gas at Council facilities	Reduce natural gas usage through efficiency measures.		Begin to phase out gas fired boilers	No longer use natural gas powered units	EMSOL Contractors
	2.2. Advocate for low-emissions energy generation	Investigate energy providers for future Council energy contracts and keep abreast of industry trends		Consider greenhouse gas emissions as a determining factor when selecting energy suppliers in 2022	Consider greenhouse gas emissions as a determining factor when selecting energy suppliers and establishing supply contracts	Energy industry
3. Encourage the development of resilient low carbon energy options	3.1. Reduce organisational reliance on the national grid	Investigate viable options to generate localised renewable energy for Council use		Investigate collaboration or funding opportunities	Keep abreast of latest technology and opportunities	Electricity industry
	3.2. Enable community resilience through localised power generation	Continue free consents for installation of solar hot water Investigate options to incentivise localised low-carbon energy generation		Investigate viability of loan funding schemes	Continue to investigate viable options	Funders Providers Community
	3.3. Encourage local collaboration to ensure energy resilient communities	Investigate appetite for a local utilities collaboration to consider the district's utilities' vulnerability to climate hazards		Establish network to facilitate local collaboration	Identify utility networks at risk of climate change	Utility network providers Bay of Plenty Regional Council

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If you want to learn more about the
climate change project visit
whakatane.govt.nz/climate-change

How to korero mai:

Online: koreromai.whakatane.govt.nz

Email: submissions@whakatane.govt.nz

Post: Whakatāne District Council,
Private Bag 1002, Whakatāne 3158

Contact your elected members:
whakatane.govt.nz/elected-members

WE WILL KEEP YOU IN THE LOOP

Whether or not you choose to make a
submission, we will keep you posted on progress
on our climate change strategy and action plans.
Our website will continue to be updated with
new information and we will also keep you
up-to-date through social media and other
local media channels.



WHAKATĀNE DISTRICT COUNCIL

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