

WHAKATĀNE DISTRICT CLIMATE CHANGE STRATEGY 2024-27

Whakatāne Climate Pathway



DRAFT





We want to know what you think

Responding to the impacts of climate change on the District and doing our bit to reduce future climate change is the responsibility of each of us, individually and collectively. Therefore, this document presents Whakatāne District's first community climate strategy – Whakatāne Climate Pathway.

This document is a draft, it has been informed by all the feedback from the community to date, but we want to know if we've got it about right? This strategy seeks to carve a pathway for us to work together as one, to shape sustainable, low-emission, climate resilient communities.

Do you agree with the Vision, Goals and Targets? Is this strategy setting us on the right pathway as a District?

What's missing? This is a community strategy, so if there are actions that your whānau, community or organisation are working towards that you think should be included, please let us know.

We are seeking feedback from 12 March – 12 April 2024

Making a submission is easy, tell us what you think:

Online: koreromai.whakatane.govt.nz

Email: submissions@whakatane.govt.nz

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

Tell us what you
think by 5pm, Friday
12 April 2024

Message from the Whakatāne Mayor

I would like to thank the eclectic group of folk from our community who have collaborated to develop this document for their hard work, dedication and wisdom. Over the last year, we've been working with members of a Climate Change Community Panel, Youth Panel, Technical Advisory Group and Steering Group, which has resulted in a pathway for the District that seeks to balance community, industry and science.

We know the sooner the world transitions away from a high carbon society, the less we humans will need to adapt to the impacts of a changing climate and fewer devastating extreme weather events that will ultimately impact our communities. The late Dr Michael King OBE has stated that 'Climate is - in the long term - one of the most existential risks to humans and other large complex life on Earth'.

As a District, we are feeling the impact of increasing costs, uncertainty caused by international events and national political change. However, despite these challenges, now is not the time to decrease our efforts to mitigate and adapt to anthropogenic climate change. The impacts of climate change will be felt across our communities and reach into homes, neighbourhoods, and businesses. We can build resilience, capacity to recover from difficulties, and prepare for change, but to be effective we must act together.

Since a certain amount of climate change is already baked in, increasing our resilience to climate hazards is a key priority for our communities. Similarly, a key priority for the Council involves defining a new pathway that ensures everyone in the District understands and can act on the impacts of climate change as we prioritise a just transition to low emissions energy systems. As a scientist who has worked in nuclear and renewable energy research, I take climate change and its causes extremely seriously and would like to see tangible outcomes.

Whakatāne District Council has been on a climate change journey since 2017 when the Mayor of the time signed the New Zealand Local Government Leaders' Climate Change Declaration. In 2019, following extensive community consultation, Council adopted a set of Climate Principles and in 2020, following further consultation, Council adopted the first Climate Change Strategy and Action Plans. As a result of strong community demand, the Climate Change Strategy 2020-23 set ambitious targets for both the Council as an organisation, and the wider Whakatāne District.

The strategy had a focus on climate change mitigation – accounting for and reducing greenhouse gas emissions, and climate change adaptation – planning to make our communities more resilient. As a Council, Whakatāne was recognised in the local government sector as one of the forerunners in the climate space. But we know that there is so much more to do, and whilst we start from a strong base, delivery on significant action is needed to make a meaningful difference for our communities. We have learnt from this journey, and celebrated wins along the way. Significant improvements have been made in some areas (like reducing Council's emissions from energy), but other areas have gone backwards (like an increase in emissions from harvesting forestry), or not made as much progress as Council would have liked in other areas (like adaptation planning).

As Mayor of the Whakatāne District, I have aspirations regarding how, by working together, we can make a step-change in our emissions profile as a District and increase our resilience.

This could include:

- Embracing solar photovoltaic (PV) energy generation on our facilities.
- Ensuring any building we undertake embeds low carbon principles.

- Transitioning our fleet of Council vehicles to electric.
- Continuing to manage our energy use.

We also need to work with the community and our partners to support initiatives such as:

- Greater uptake of solar photovoltaic (PV) generation.
- Ensuring a quality electric vehicle charging infrastructure across the District to reduce range anxiety for our community, our visitors and those passing through.
- Working in partnership with the industrial energy users in our District.
- Encouraging exploration of alternative protein farming.
- Increasing the use of engineered lumber which has lower embedded carbon compared to concrete and steel construction.

As a District, we've had our fair share of natural disasters. As I reflect on the severe weather events that have affected our communities, I'm concerned to think about the frequency and severity of these events increasing due to our changing climate. We need to increase our resilience to severe weather events by building more resilient homes, ensuring new building occurs in the right places and providing water, transport (roads and bridges) and other infrastructure that is designed for the extremes of our changing climate. Let it not take a crisis to make us act with urgency.

One key learning on this journey is we still have a long way to go as a District, and to truly make a difference, we must all be part of the solution. This document seeks to carve a pathway for us all to work together as one, to shape sustainable, low-emission climate resilient communities.

Whakatāne District Mayor, Dr Victor Luca






This document is supported by extensive documentation included on the Council's website: whakatane.govt.nz/climate-change

What a changing climate will mean for the Whakatāne District

Climate is about so much more than just weather. The things we love about this place we call home are at risk, including swimming in our waterways, our cultural taonga and historic places, tramping in the bush, fishing in our ocean, abundant food production, even the homes we live in. Our climate directly impacts on our local culture, economy, wellbeing, health and environment.

The Bay of Plenty Regional Council have commissioned work into how a changing climate may look for the Whakatāne District.

Summary of projected changes to the Whakatāne climate by 2090¹:

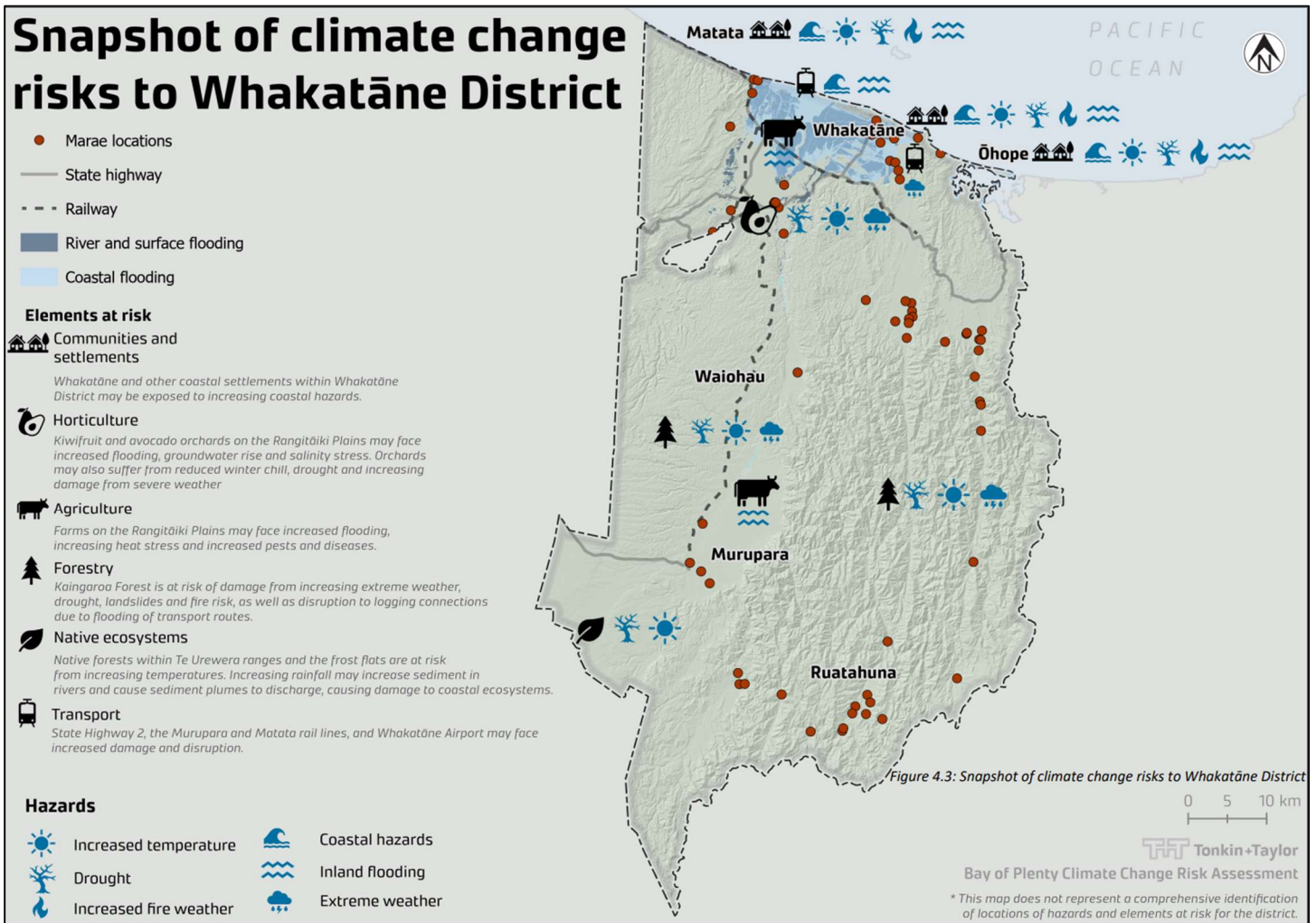
Climate hazard/variable	RCP 4.5 (2090)	RCP 8.5 (2090)	Sub-district variation
Air temperature 	↑ 1-1.5°C	↑ 2.5-3°C	Consistent mean temperature increases within Whakatāne District.
Hot days (>25°) 	↑ 20-40 more hot days	↑ 40-90 more hot days	↑ ↑ Most of Whakatāne District is projected to experience large increases in number of hot days, particularly along the Rangitāiki and Tarawera Rivers.
Drought 	↑ 80-14 mm of Potential Evaporation Deficit (PED) (coastal) ↑ 60 - 100 mm of PED (inland)	↑ 120-160 mm of PED (coastal & Rangitikei River) ↑ 50 - 120 mm of PED (elevated)	↑ ↑ Coastal Whakatāne District and inland areas surrounding the Rangitāiki River are projected to experience relatively large increases in of PED (which indicates an increased potential for drought).
Frost days 	↓ 2-6 days (coastal areas) ↓ ↓ 2-5 days (inland)	↓ 5-8 days (coastal areas) ↓ ↓ 4-30 days (inland)	Inland elevated areas experience the greatest number of frost days at present and are projected to experience the greatest decrease in frost days in future.
Rainfall 	↑ 0-8% increase in winter rainfall ↓ 0-10% decrease in spring rainfall	↑ 2-8% increase in winter rainfall ↓ 4-10% decrease in spring and summertime rainfall	↑ ↑ Winter rainfall increases the most near the coast. ↓ ↓ Summer rainfall decreases the most in inland areas. Extreme rainfall events across the region are projected to become three times more frequent under RCP 8.5.

Representative Concentration Pathway (RCP) is a greenhouse gas concentration trajectory adopted by the Intergovernmental Panel on Climate Change (IPCC) and the two scenarios used in this modelling include the 'Fossil-fuel intensive scenario' (RCP8.5) and the 'Middle of the road scenario' (RCP4.5). Refer to the Bay or Plenty Regional Climate Change Risk Assessment -District Summaries for more information.

¹ Bay of Plenty Regional Risk Assessment: <https://www.boprc.govt.nz/environment/climate-change/regional-risk-assessment>

The Bay of Plenty work has also looked at how the changing climate may increase risks to the District, including to our communities, infrastructure and the natural environment we all rely on.

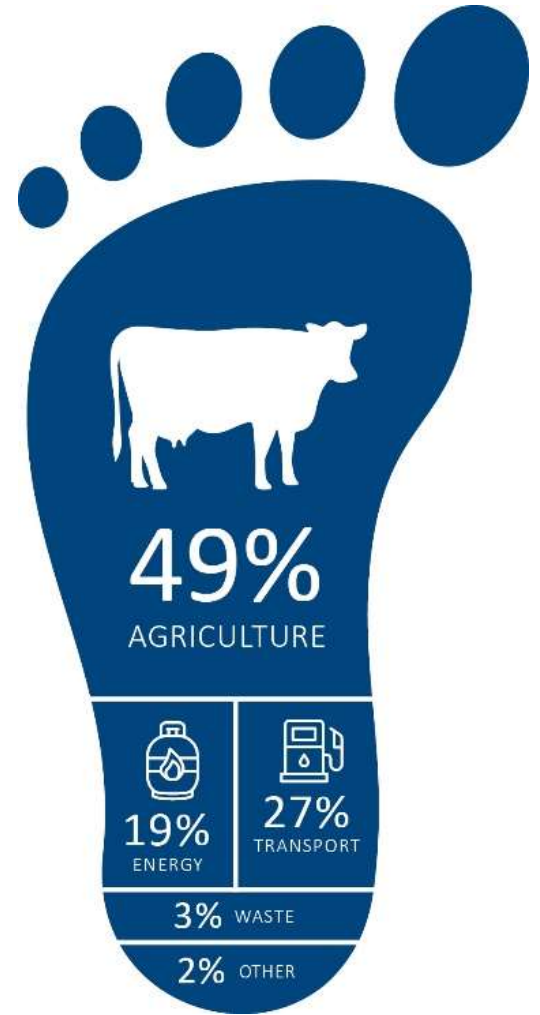
Summary of how the changing climate may impact the Whakatāne District²:



² Bay of Plenty Regional Risk Assessment: <https://www.boprc.govt.nz/environment/climate-change/regional-risk-assessment>

How we are contributing to a changing climate

As a District, we all have a role to play in looking to reduce our individual and collective footprint. This document seeks to outline a pathway to reducing our emissions, collaboratively.

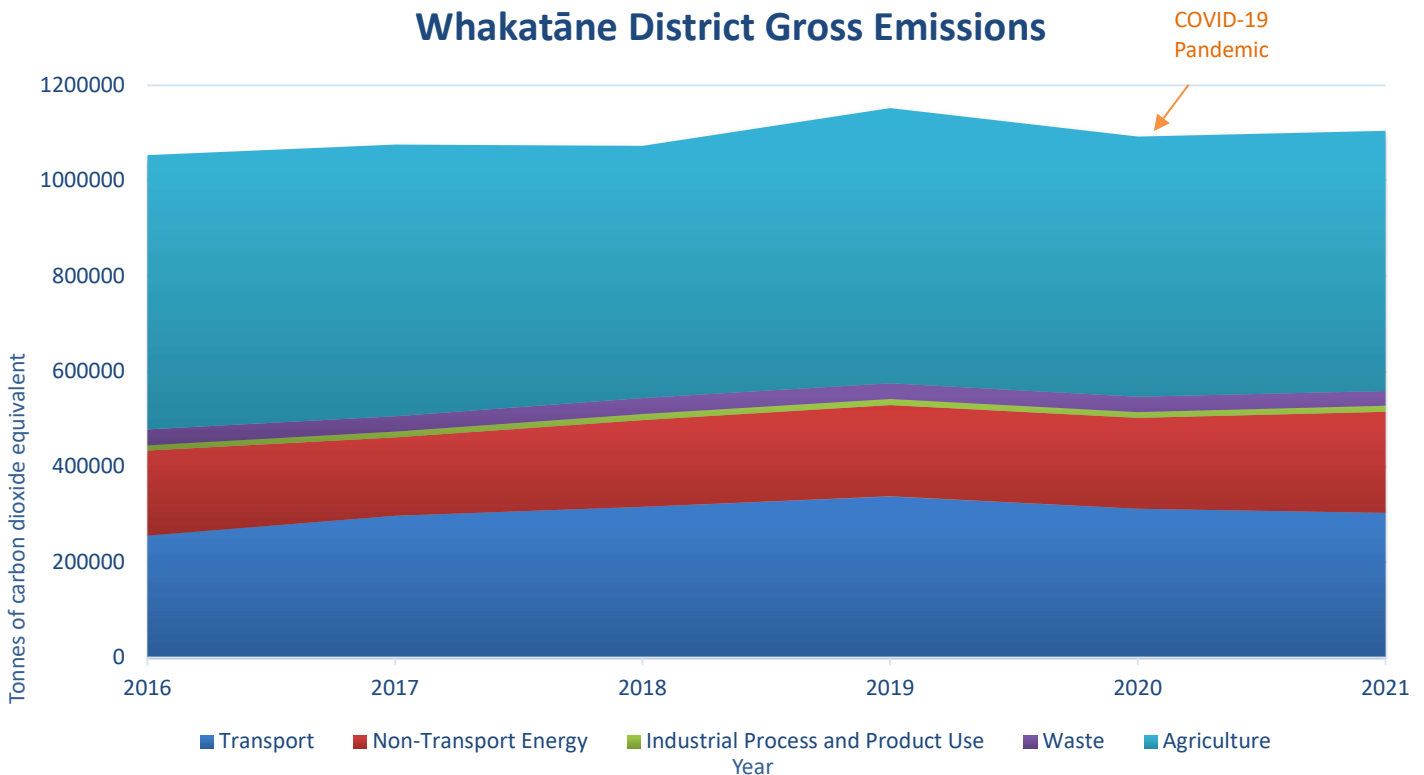


Whakatāne District Emissions

The District emission profile was steadily increasing between 2016 and 2019, however the impact of COVID-19 on our District resulted in a reduction in emissions, particularly in the transport and agriculture sectors in 2020. Agriculture emissions reduced due to a reduction in live-stock during this period.

As a percentage of District emissions, agriculture has reduced from 55% in 2016, to 49% in 2021.

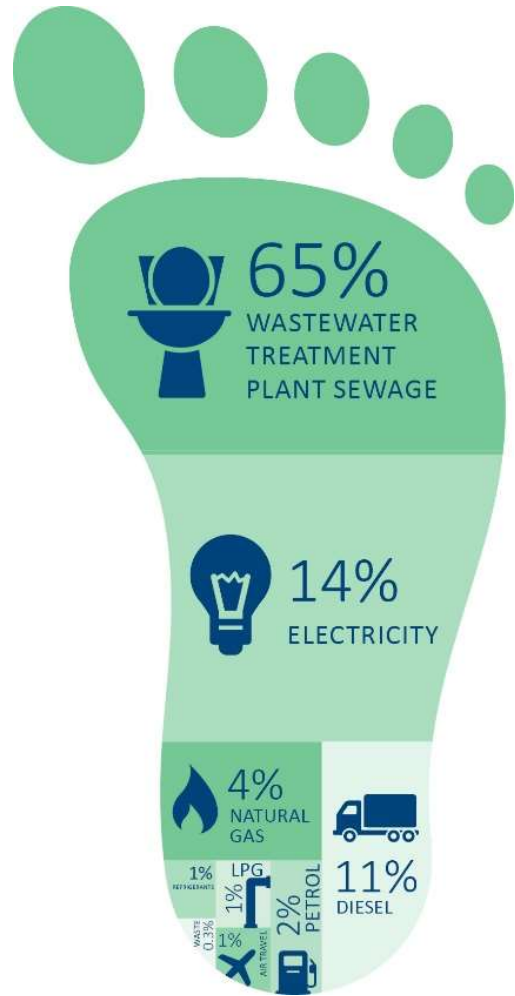
Whakatāne District Gross Emissions



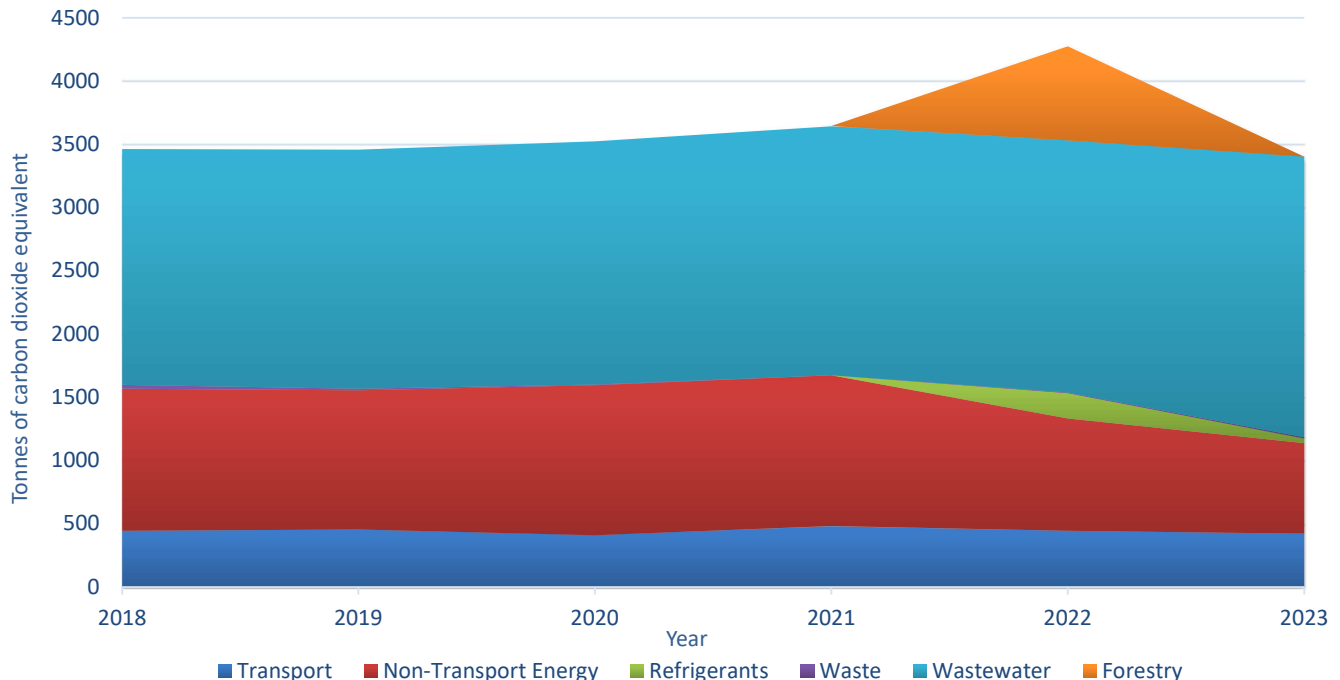
Whakatāne District Council Emissions

The Council has been recording our organisation emissions since 2018. New emission sources were added to Council’s emission inventory in 2022, accounting for a large increase in emissions. The largest increase was the result of a significant forestry harvest.

Emissions from the District’s wastewater treatment plants continue to be the organisations largest source of emissions, increasing from 54% in 2018, to 65% of Council’s emissions in 2023. Council has achieved significant reduction in energy emissions over recent years due to an active Energy Management Programme.



Whakatāne District Council Gross Emissions



Strategic Framework

Vision / Matakītenga

Mahi tahi/working together to shape sustainable, low emission, climate resilient hāpori/communities.

Purpose / Te take

Collaborate and build capacity to enable climate change mitigation and adaptation action across our hāpori/communities.

Goals Ngā whāinga

1. We all understand and are able to act on the impacts of climate change.
2. We have prioritised a just transition to low emissions.
3. We have adapted to reduce climate change risk.

Our principles / Ngā mātāpono



We will act with urgency
Ka mahi mātau ināianeī



We will learn
Ka ako mātau



We will acknowledge, care for, and support our people most affected
Ka tautoko mātau i a rātau ka pāngia mārika e ngā Take Āhuarangi



We will be part of the solution
Ka āwhina mātau ki te whakatika i ngā raru



We will care for and protect the environment
Ka tiaki mātau i te taiao



We will build resilience to a changing climate
Ka whakakaha mātau i te aumangea ki te huringa o te āhuarangi



We will think and act long term
Ka whakaaro pae tawhiti, ka mahi pae tawhiti mātau

Priority areas / Ngā whakaarotau mātua

- Leadership and collaboration
- Communities
- Transport
- Energy
- Water services
- Waste
- Circular economies
- Land use
- Built environment

Climate Change Targets

This table identifies the key actions to deliver on the climate goals, but there are many more actions for the community to work towards to achieve our vision of; Mahi tahu/working together to shape sustainable, low-emission, resilient hapori/communities. The full action list is available on the Council website: [whakatane.govt.nz/climate-change](https://www.whakatane.govt.nz/climate-change).

KEY:

\$ = low cost (<\$10k)

\$\$ = medium cost (\$10k>\$50k)

\$\$\$ = high cost (>\$50k)

⌚ = short term (1-3yeras)

⌚⌚ = medium term (4-6yrs)

⌚⌚⌚ = long term (7-10yrs)

⌚> = ongoing

Italics signifies not currently funded through Council's draft Long Term Plan

The number in brackets relates to the number in the full action list

Whakatāne District-wide Targets

Target (what we want to achieve, by when)	Measure (how we'll know if we've achieved it)	Key Actions (this will be achieved through)
Goal (where we want to be):		
#1 - We all understand and are able to act on the impacts of climate change.		
<p>Annual increase in the percentage of community reporting that they regularly take transport action (2023 baseline - 26.5%).</p> <p>Increase in alternative or active modes of transport for students getting to school.</p> <p>Increase in uptake of electric vehicles.</p>	<p>Community survey shows an annual reduction in people who want to take (more) action on transport but report: 'not really sure how' (2023 baseline 4.44%) or 'lack of options' (2023 baseline 38.89%).</p> <p>School Travel Survey Report shows a decrease in the percentage of primary school children driven to school (2021 baseline 66%).</p> <p>Percentage of light vehicles in the District that are electric (12/2023 baseline 4%).</p>	<p>Continue to support initiatives such as e-bike library, bike maintenance workshops, Bike Month and support for 'Bikes in Schools', Bike Ready, Cycle Skills training. \$\$ ⌚ (#130)</p> <p>Engage with Bay of Plenty Regional Council and Regional Transport Committee to advocate for enhanced, accessible, affordable, and low-emission public transport services. \$ ⌚> (#131)</p> <p>Collaborate with the private sector to increase the number of strategically located EV charging stations and electric bike docks/charging stations throughout the district. \$ ⌚> (#138)</p>
<p>Annual increase in the percentage of community reporting that they regularly take waste action (2023 baseline - 55.6%).</p> <p>Whakatane District will stay below 70% of the national average amount of waste sent to landfill per person.</p>	<p>Community survey shows an annual reduction in people who want to take (more) action on waste but report: 'not really sure how' (2023 baseline 28.57%) or 'lack of options' (2023 baseline 19.05%).</p> <p>Amount of waste sent to landfill per person per year.</p>	<p>Provide food scraps and green waste collection service to household in urban Whakatane District. \$\$\$ ⌚ (#88)</p> <p>Support community-led composting, home composting workshops and subsidies. \$ ⌚> (#89)</p> <p>Education campaign regarding correct recycling. \$ ⌚> (#93)</p>

<p>Annual increase in the percentage of community reporting they regularly take energy action (2023 baseline – 34.9%).</p> <p>Increase in the uptake of solar installations on homes and the total capacity of solar generation installed.</p>	<p>Community survey shows an annual reduction in people who want to take (more) action on energy but report: ‘not really sure how’ (2023 baseline 31.03%) or ‘lack of options’ (2023 baseline 17.24%).</p> <p>Total capacity of installed solar generation in the Eastern Bay.(31/12/2023 baseline 3.049MW).</p> <p>Number of solar Installations on residential properties in the Eastern Bay (31/12/2023 baseline 569 ICPs).</p>	<p>Make easily digestible, useful and relevant information available to the community to enhance awareness and knowledge regarding energy efficiency in the home, school, marae and workplace. \$ (👉) > (#56)</p> <p>Investigate opportunities to collaborate with partners (including iwi) regarding Healthy Homes Programmes, home audits and investigate opportunities to support funding for home improvements. \$ (👉) > (#54)</p> <p>Collaborate with relevant groups (building suppliers, community groups) to run energy efficiency workshops. \$ (👉) > (#59)</p> <p>Advocate and facilitate through provision of information to encourage the community to transition from gas to electricity in buildings and facilities. \$ (👉) > (#76)</p>
<p>Annual increase in the percentage of community reporting that they regularly take food action (2023 baseline - 41.4%)</p>	<p>Community survey shows an annual reduction in people who want to take (more) action on food but report: ‘not really sure how’ (2023 baseline 17.39%) or ‘lack of options’ (2023 baseline 15.94%).</p>	<p>Support community groups encouraging plant based diets - providing education regarding affordable plant based choices. \$ (👉) > (#3)</p> <p>Support community groups who are promoting food growing at home/marae, including seed swaps, vegetable garden workshops, compost workshops. Including groups building vegetable gardens. \$ (👉) (#194)</p> <p>Identify ways to support local food growers and promote buying-local, including supporting local farmers markets. \$ (👉) (#195)</p>
<p>Annual increase in the percentage of community reporting that they regularly take shopping action (2023 baseline - 36.1%)</p>	<p>Community survey shows an annual reduction in people who want to take (more) action on shopping but report: ‘not really sure how’ (2023 baseline 19.75%) or ‘lack of options’ (2023 baseline 30.86%).</p>	<p>Support community-led 'buy local' and 'shop seasonally' campaigns. \$ (👉) > (#2)</p> <p>Running educational campaigns through Council's social media to the community annually, for example actions that can be taken at home, i.e. FutureFit and GenLess. \$ (👉) > (#31)</p>
<p>Locally relevant, engaging and accurate information is readily available by Dec 2025.</p>	<p>Local risk assessment findings are published on Council’s website for local community by Dec 2025.</p>	<p>Work with business sectors to build sectorial awareness to projected climate impacts. For example supply chain, production and demand impacts. \$ (👉) (👉) (#9)</p> <p>Produce local climate projection and risk assessment information tailored at business to support decision-making. \$\$ (👉) > (#10)</p>

Goal (where we want to be): #2 - We have prioritised a just transition to low emissions.

Whakatāne District gross emissions *excluding agriculture* have reduced from 2021:

Year	Reduction
2027	11%
2030	21%
2040	60%
2050	82%

Sub-targets: Whakatāne District emissions have reduced from 2021:

Year	Reduction
Transport	
2027	0%
2030	11%
2040	63%
2050	90%
Energy	
2027	26%
2030	35%
2040	60%
2050	80%
Industrial Process and Product Use	
2027	4%
2030	9%
2040	15%
2050	14%
Waste	
2027	15%
2030	23%
2040	43%
2050	56%

Whakatāne District Transport emissions.

Implement Active Whakatane Strategy. \$\$\$ 🚲 > (#126)

Work with rural communities to provide improved access and safety for our small townships/communities. \$\$\$ 🚲 > (#127)

Plan transportation investments with consideration for the expected alignment with the Emission Reduction Plan (ERP). \$ 🚲 🚲 🚲 > (#125)

Develop a parking strategy that gives priority to alternative transport methods, such as cycling and public transport. \$\$\$ 🚲 🚲 > (#129)

Whakatāne District Stationary/ Non-transport Energy emissions.

Share sector information (from NZ Green Building Council, MBIE, EECA) to businesses and developers regarding energy efficient buildings and new MBIE Building for climate regulations and promote relevant funding opportunities. \$ 🚲 > (#53)

Share information regarding the potential benefits for industry to adopt sustainable solutions such as industrial ecology to reduce energy and material consumption. \$ 🚲 >

Investigate options to incentivise localised low carbon energy generation. \$ 🚲 > (#74)

Whakatāne District Industrial Process and Product Use (IPPU) emissions.

Share sector information (from NZ Green Building Council, MBIE, EECA) to businesses and developers regarding low Global Warming Potential (GWP) refrigerants. \$ 🚲 > (#53)

Whakatāne District Waste emissions.

Through review of Waste Management and Minimisation Plan consider Improved/expanded recycling infrastructure. \$\$ 🚲 🚲 > (#94)

Implement the Waste Management and Minimisation Plan (WMMP) to reduce waste in the community. \$\$\$ 🚲 > (#104)

Investigate funding sources to support waste minimisation projects and align spending with the WMMP and future circular economy goals. \$ 🚲 > (#107)

		Continue to support local waste minimisation projects that align with WMMP. \$\$\$ 🕒 (> #109)														
<p>Whakatāne District gross emissions <i>including agriculture</i> have reduced from 2021:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Reduction</th> </tr> </thead> <tbody> <tr> <td>2050</td> <td>51%</td> </tr> </tbody> </table> <p>Sub-targets: Whakatāne District agriculture emissions have reduced from 2021:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Reduction</th> </tr> </thead> <tbody> <tr> <td>2027</td> <td>7%</td> </tr> <tr> <td>2030</td> <td>9%</td> </tr> <tr> <td>2040</td> <td>16%</td> </tr> <tr> <td>2050</td> <td>19%</td> </tr> </tbody> </table>	Year	Reduction	2050	51%	Year	Reduction	2027	7%	2030	9%	2040	16%	2050	19%	Whakatāne District agriculture emissions.	Explore opportunities to collaborate with agriculture industry to support emission reduction initiatives, that can enable a just transition for those relying on these industries. \$ 🕒 🕒 (#28)
Year	Reduction															
2050	51%															
Year	Reduction															
2027	7%															
2030	9%															
2040	16%															
2050	19%															
Increase in community funding that support a just transition to low emissions.	Number of successful applications to a community fund that have an outcome of emission reduction within the community.	Develop a targeted community fund to support community-led climate action. \$\$ 🕒 (#36)														
Goal (where we want to be): #3 - We have adapted to reduce climate change risk.																
District risk profile identified and communicated to community by Dec 2025.	Technical assessment of climate risks undertaken – by June 2025 Climate risks prioritised by June 2026.	<p>Determine Council dynamic planning and risk management approaches. \$\$\$ 🕒 (#162)</p> <p>Develop Whakatāne District specific educational material including projected impact of climate change on the District and community risk profile, ensuring easily accessible, relevant and useful, including Te Reo versions. \$\$ 🕒 (#32)</p> <p>Produce local climate projection and risk assessment information tailored at business to support decision-making. \$\$ 🕒 (> #10)</p> <p>Climate change related risks in our District will be clearly communicated, so that our communities' understanding and resilience to climate change impacts will increase over time. \$\$\$ 🕒 (> #164)</p> <p>Climate change related risks in our District will be clearly identified and mapped. Providing a climate change evidence base and risk assessment to feed into future planning. \$\$\$ 🕒 (#161)</p>														
Community adaptation plans developed by Dec 2028 – ongoing.	Local community adaptation plans for priority risks develop by June 2027.	Community Action Groups established for high risk communities. Strategies/community-led														

	<p>Local adaptation plans incorporated into formal Council planning documents such as the Long Term Plan, District Plan, and Spatial Plan by June 2029.</p>	<p>plans for individual communities developed. \$\$\$ (v) > (#163)</p> <p>Recognise local adaptation plans in regional and local spatial strategies. (v) > (#166)</p> <p>Identify budget requirements and timing for when adaptation plans commence, and recognise in future Long Term Plans as necessary. (v) (v) (#167)</p> <p>Embedding climate change in District Plan and ensure future development avoids areas most at risk. \$\$\$ (v) (#170)</p> <p>Ensure that land use decisions create no further disconnect for local Iwi to their traditional sites and practices. \$\$ (v) (#173)</p> <p>Support iwi to develop adaptation plans where requested. \$\$ (v) (v) (#174)</p>
<p>Adaptation plans implemented, monitored, reviewed and updated by Dec 2035 – ongoing.</p>	<p>Monitoring, evaluation, and reporting of climate impacts to commence by June 2030. Where Council has control, and action triggered, implement adaptation plans to reduce ongoing effects of climate change by plan timeframes.</p>	<p><i>Support local communities to implement local adaptation plans once identified triggers and thresholds have been reached. \$\$\$ (v) (v) > (#169)</i></p>

Whakatāne District Council Organisation Targets

Target (what we want to achieve, by when)	Measure (how we'll know if we've achieved it)	Key Actions (this will be achieved through)
<p>Goal (where we want to be): #1 - We all understand and are able to act on the impacts of climate change.</p>		
<p>An internal Council climate policy is adopted and implemented by June 2025 that ensures climate change is embedded within the organisation.</p>	<p>Percentage of Council Teams with targets related to climate change goals.</p> <p>Climate considerations included in Procurement Policy and project management templates.</p> <p>Climate Change Policy adopted.</p>	<p>Update procurement policy and procedures to include embedding carbon considerations and waste minimisation into procurement decisions; and estimating emissions impact of all major Council decisions. \$ (P) (#4)</p> <p>Develop an internal Council policy to ensure climate change principles and targets are included in all decision-making reports, project management and the development and review of; activity management plans; policies, bylaws and strategies; and assumptions for climate change in the Long Term Plan. \$ (P) (#12)</p> <p>Measure and understand organisation carbon emissions. \$\$ (P) > (#16)</p>
<p>All new staff have undergone a climate change learning module as part of their induction, within six months of employment, for all new starters after 1 July 2024.</p> <p>50% of staff who have been working for the Council for more than six months have completed the climate change learning module by Jun 2025.</p>	<p>Percentage of new staff who have undertaken the climate change eLearning module within six months.</p> <p>Percentage of staff who have undertaken the Climate change eLearning module.</p>	
<p>Goal (where we want to be): #2 - We have prioritised a just transition to low emissions.</p>		
<p>Whakatāne District Council's organisation gross emissions excluding wastewater have reduced from 2023:</p>	<p>Whakatāne District Council transport emissions.</p>	<p>Install EV charging stations (superchargers) at Council facilities to support the use of electric vehicles. \$\$\$ (P) > (#142)</p>

<table border="1"> <thead> <tr> <th>Year</th> <th>Reduction</th> </tr> </thead> <tbody> <tr> <td>2027</td> <td>12%</td> </tr> <tr> <td>2030</td> <td>21%</td> </tr> <tr> <td>2040</td> <td>57%</td> </tr> <tr> <td>2050</td> <td>79%</td> </tr> </tbody> </table>	Year	Reduction	2027	12%	2030	21%	2040	57%	2050	79%		<p>Adopt an EV first/low emission policy to guide the transition to low-emission vehicles in the Council fleet. \$ (b) (#140)</p> <p>Encourage low-travel options such as virtual meetings and webinars/virtual conference attendance. \$ (b) (#116)</p> <p>Facilitate staff e-bike purchases. (b) (#118)</p>																																
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<p>Sub targets: Whakatāne District Council emissions have reduced from 2023:</p>	<p>Whakatāne District Council stationary/ non-transport energy emissions.</p>	<p>Include energy efficiency as a criteria within Council's procurement policy. \$ (b) (#41)</p> <p>Advance opportunities to electrify Council operations where emission reductions can be achieved. \$\$\$ (b) > (#42)</p> <p>Retain Council's Energy Management Programme. \$\$ (b) > (#43)</p> <p>Deliver energy efficient upgrades to assets identified through energy audits. \$\$\$ (b) > (#49)</p> <p>Deliver specific energy efficiency initiatives at Council facilities. \$\$\$ (b) (#50)</p> <p>Ensure emissions is a key consideration in Three Waters projects. \$\$ (b) (#206)</p>																																										
<table border="1"> <thead> <tr> <th>Year</th> <th>Reduction</th> </tr> </thead> <tbody> <tr> <td colspan="2">Transport</td> </tr> <tr> <td>2027</td> <td>5%</td> </tr> <tr> <td>2030</td> <td>16%</td> </tr> <tr> <td>2040</td> <td>66%</td> </tr> <tr> <td>2050</td> <td>90%</td> </tr> <tr> <td colspan="2">Energy</td> </tr> <tr> <td>2027</td> <td>16%</td> </tr> <tr> <td>2030</td> <td>25%</td> </tr> <tr> <td>2040</td> <td>54%</td> </tr> <tr> <td>2050</td> <td>77%</td> </tr> <tr> <td colspan="2">Industrial Process and Product Use</td> </tr> <tr> <td>2027</td> <td>1%</td> </tr> <tr> <td>2030</td> <td>7%</td> </tr> <tr> <td>2040</td> <td>12%</td> </tr> <tr> <td>2050</td> <td>11%</td> </tr> <tr> <td colspan="2">Waste</td> </tr> <tr> <td>2027</td> <td>11%</td> </tr> <tr> <td>2030</td> <td>20%</td> </tr> <tr> <td>2040</td> <td>40%</td> </tr> <tr> <td>2050</td> <td>54%</td> </tr> </tbody> </table>	Year	Reduction	Transport		2027	5%	2030	16%	2040	66%	2050	90%	Energy		2027	16%	2030	25%	2040	54%	2050	77%	Industrial Process and Product Use		2027	1%	2030	7%	2040	12%	2050	11%	Waste		2027	11%	2030	20%	2040	40%	2050	54%	<p>Whakatāne District Council Industrial Process and Product Use (IPPU) emissions.</p>	<p>Deliver energy efficient upgrades to assets identified through energy audits, prioritising those that have the greatest impact on reducing whole of life emissions. \$\$\$ (b) > (#49)</p>
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	<p>Whakatāne District Council waste emissions.</p>	<p>Conduct waste audits of Council facilities and develop internal waste data collection and monitoring systems to track and manage waste. \$ (b) > (#105)</p> <p>Organic waste produced from Council operations composted. \$ (b) (#87)</p> <p>Raise internal organisation awareness of recycling through internal awareness campaign. \$ (b) > (#86)</p>																																										
<p>Whakatāne Council gross emissions <i>including wastewater</i> have reduced from 2023:</p>	<p>Whakatāne District Council wastewater emissions.</p>	<p><i>Identify potential users for the energy (heat) mapped in the wastewater network that is potentially available to be recovered and reused in various parts of the District.</i> \$\$\$ (b) (b) (#210)</p>																																										
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Sub targets: Whakatāne Council wastewater emissions have reduced from 2023:			
Year	Reduction		
2027	4%		
2030	7%		
2040	13%		
2050	17%		

Goal (where we want to be): #3 - We have adapted to reduce climate change risk.

Ongoing effects of climate change on Council assets and Infrastructure is known by June 2025.		<p>Climate change related risks in the District will be clearly identified and mapped. Providing a climate change evidence base and risk assessment to feed into future planning. \$\$\$ 🕒 (#161)</p> <p>Identify at risk and vulnerable water supply and wastewater infrastructure susceptible to various climate change models. \$\$ 🕒 (#225)</p> <p>Identify vulnerable transport infrastructure and take measures to enhance their resilience. \$\$\$ 🕒 (#156)</p>
Adaptation planning for Council infrastructure in place and incorporated into asset management planning and Long Term Plan by June 2027.	Put in place a robust planning framework and make robust decisions considering ongoing effects of climate change by June 2027.	<p>Determine Council dynamic planning and risk management approaches. \$\$\$ 🕒 (#162)</p> <p>Incorporating climate change into Asset Management Planning, considering protection, retreat, design, capacity (e.g. stormwater pipe size). \$\$\$ 🕒 > (#157)</p> <p>Development of hydraulic models and combine with best available data into one database to inform future planning and continue to enhance asset management systems. \$\$ 🕒 🕒 (#219)</p> <p>Integrate climate change risk management considerations into the planning, ongoing operations, and infrastructure renewal of the transport network. \$ 🕒 (#153)</p>
Adaptation plans implemented, monitored, reviewed and updated by December 2030.	Monitoring, evaluation, and reporting of climate impacts by December 2030.	<i>Minimise or mitigate risk to Council infrastructure from climate change, prioritising essential services. \$\$\$ 🕒 > (#158)</i>

Ensuring success

This is Whakatāne District's first community pathway and it defines a pathway for us all to follow together.

Responsibility for delivering on the goals and actions of this plan do not sit with one group, person or organisation. However, Council acknowledges its role in leading the community on this journey and has committed to ongoing climate action and leadership. Delivering on Council-led actions in this plan is a key component of the Council's long-term plans. While the journey may not be a straight line, this plan will provide a clear pathway, direction and vision to work towards over time.

Reporting

Monitoring and reporting progress towards the targets in this plan, and the actions taken along the journey will be undertaken by the Council and reported back to the community through the Council's Environment, Energy and Resilience Committee.

Six monthly reporting on delivery of the action plan will be made available on Council's website.

Review of Strategy - 2027

Climate science, transition tools, political and social change and technology is evolving at such a fast pace that the District's response must continue to be regularly reviewed.

This Strategy will be reviewed by June 2027, to ensure it remains relevant, current and effective. This review will include three yearly reporting of targets to inform the review process.

This strategy is supported by a Climate Action list. This list was developed utilising input from community consultation, iwi management plans, national and international examples, technical reports and Council's previous Climate Change Action Plans. This Climate Action list includes actions that the whole community can take and is a living document that overtime will be added to as appropriate. Whilst not all actions are currently budgeted or committed to be delivered, the list will help to guide future action and provide an opportunity for new collaboration and community wide action.

A community pathway

We hope this pathway helps the communities of the Whakatāne District to work together as one, to shape sustainable, low-emission, climate resilient communities. Don't forget to tell us what you think by 5pm Friday, 12 April 2024.