

**DRAFT**

# CLIMATE CHANGE STRATEGY AND ACTION PLANS

*Te tuhinga hukihuki mō te  
Rautaki me ngā Mahere  
Mahi Huringa Āhuarangi*

*We are proposing targets and actions  
to address climate change for both the  
Council and the Whakatāne District.*

*Tell us what you think at  
[koreromai.whakatane.govt.nz](http://koreromai.whakatane.govt.nz)*



## *Kōrero Mai Let's Talk*

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

If you want to learn more about our climate change  
project visit [whakatane.govt.nz/climate-change](http://whakatane.govt.nz/climate-change)

### *How to korerō mai:*

**Online:** [koreromai.whakatane.govt.nz](http://koreromai.whakatane.govt.nz)

**Email:** [submissions@whakatane.govt.nz](mailto:submissions@whakatane.govt.nz)

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

**Contact your elected members:**  
[whakatane.govt.nz/elected-members](http://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.

## Likely impacts of climate change for the Bay of Plenty

*Ngā putanga o ngā take Huringa  
Āhuarangi i te Waiariki*



**Up to  
1.0°C  
increase  
by 2040s**

1.0°C to 3.5°C warmer  
by 2090s depending on  
the level of greenhouse  
gas concentration  
in the atmosphere.



**More hot days  
(over 25°C) and extreme  
hot days (over 30°C)**

Depending on the level of  
greenhouse gas emissions, up to 70-  
80 more hot days and 10-14 more  
extreme hot days per year by 2090.



**Increased  
flooding risks**

The depth currently  
projected for a 1-in-100-  
year rainfall event is  
projected to become a  
1-in-34-year event by 2090.



**Changing crop diversity**

Opportunities to diversify crop  
types grown in the region due to  
the change in climate conditions.  
It might be difficult to continue to  
grow some crop types.



**More drought  
conditions**

Experience more drought  
conditions in the future,  
with implications for  
pasture growth and crops.



**Frosts rare by 2090s**

Decrease of 10-25 frost days can  
affect the winter chilling of some  
crops like Hayward kiwifruit,  
affecting fruit production.

Our climate is changing and the implications are significant. Our community has already voiced the urgency of taking early climate action.

In 2019, the Council adopted a set of principles to ensure that climate change is considered in all our decisions. The draft climate change strategy and action plans continue this work and set the direction for future actions.



## Our Climate Change Vision

Whakatāne District Council will actively lead and support the Whakatāne District to mitigate and adapt to the effects of climate change to be great ancestors for future generations.

### Te Huapae

Ka arahi, ka tautoko hoki te Kaunihera o Whakatāne i te rohe o Whakatāne ki te whakaiti me te urutau ki te pā mai o ngā huringa āhuarangi mō ngā reanga anamata.

## Definitions

### MITIGATION

Reducing the amount of change to our climate that we will experience in the future through minimising or preventing the emission of greenhouse gases.

### ADAPTATION

Reducing the impact of climate change we will experience by increasing our resilience and modifying the way we live and do things now and in the future.

Tell us what you think about our climate change vision and proposed targets.

Visit [koreromai.whakatane.govt.nz](http://koreromai.whakatane.govt.nz) to tell us what you think.

For the full draft climate change strategy, visit [whakatane.govt.nz/climate-change](http://whakatane.govt.nz/climate-change).

## Our Climate Change Targets

### Ngā whāinga tiritiringa Huringa Āhuarangi

We are proposing some ambitious targets to guide our climate change work.

#### COUNCIL

- Will make sound planning decisions in consideration of the likely effects of climate change.
- Will ensure infrastructure is resilient to the effects of climate change.
- Will realise our climate change vision by delivering on our climate change principles.

#### DISTRICT

- Will actively prepare for a changing climate.

#### COUNCIL TARGETS

Will reduce its carbon footprint by 15% by 2022 (excluding biogenic methane and nitrous oxide)

Will be a net carbon zero organisation by 2030 (excluding biogenic methane and nitrous oxide)

2020

2022

2025

2030

2050

#### DISTRICT TARGETS

Will develop a matrix to identify communities most at risk from climate-related hazards by 2022

Will develop community-led adaptation plans for communities most at risk from climate change by 2025

Will be a net carbon zero district by 2030 (excluding biogenic methane and nitrous oxide)

District biogenic emissions in line with Central Government targets

For the climate change action plans see the next page >>

# Climate Change Action Plans - *Mahere Mahi Huringa Āhuarangi*

We have developed six action plans that outline the steps we will take to reach the targets in the strategy. Each action plan has specific goals and a set of actions, and are 'living documents' that will be continuously updated. Download the full action plans at [whakatane.govt.nz/climate-change](https://whakatane.govt.nz/climate-change).



## Leadership & collaboration

### *Hautūtanga me te mahi tahi*

Our climate change principles state we will act now and we will be part of the solution. Showing leadership and working with others are two crucial roles to ensure we can effectively respond to this challenge. Climate change will impact us all in different ways, so we must work together and consider a range of viewpoints.

#### GOALS

1. Apply our climate change principles to all we do
2. Build knowledge about climate change mitigation and adaptation
3. Work with our partners and the community, for a unified approach
4. Inform the community about climate change, and the Council's response



## Transport *Waka*

Transport (of people and products) is directly responsible for a large portion of emissions (20% for New Zealand, 16% for the district and 14% for the Council). Significantly reducing transport emissions will help achieve our mitigation targets. Transport infrastructure is at risk from a changing climate and increasing resilience of our roads and key routes will make communities less vulnerable.

#### GOALS

1. Promote travel efficiency
2. Enable and encourage active transport
3. Increase low carbon transport options
4. Manage climate change risks to existing transport infrastructure
5. Build future transport infrastructure for a changing climate



## Energy *Pūngao*

Nationally, New Zealand generates a large amount of renewable energy, but energy still accounts for 41% of emissions. Energy represents the second largest emissions sector for the district (17%), primarily from natural gas use. Energy also makes up 38% of the Council's overall emissions, primarily electricity. Localised energy generation may also help improve community resilience.

#### GOALS

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



## Water services

### *Ratonga wai*

Water supply and wastewater (also known as sewerage) have both mitigation and adaptation implications. Wastewater contributes significantly to emissions, with 63% of Council's emissions coming from the district's wastewater treatment plants. A changing climate will have many implications for water, including droughts, flooding and sea-level rise.

#### GOALS

1. Manage water responsibly and sustainably
2. Reduce and manage greenhouse gas emissions from water supply and wastewater services
3. Manage climate change risks to existing water supply and wastewater services
4. Incorporate climate change considerations into future water supply and wastewater services



## Waste and circular economies

### *Para me te ōhanga āmiomio*

New Zealanders still have a 'throw away' mindset. More than 5% of New Zealand's emissions are from waste, mostly due to domestic waste sent to landfill. To change the environmental effects of our waste, we need to change our behaviour. Responsibility for waste management lies with the whole community.

#### GOALS

1. Reduce the amount of waste generated by the Council
2. Move community waste patterns towards 'rethink, refuse, replace, reduce, reuse and recycle'
3. Reduce waste transportation emissions
4. Manage climate change risks to existing and future waste services



## Land use and the built environment

### *Whenua me te taiao waihanga*

The District is already vulnerable to natural hazards including slips, flooding, coastal erosion and inundation. The consequences and impact of these hazards are likely to get worse as the climate changes, adding to existing pressures on the natural environment like habitat loss, pollution and intense resource use.

#### GOALS

1. Identify, understand and reduce climate change risk to existing buildings and infrastructure
2. Enhance resilience through land use decisions
3. Recognise cultural heritage and values in land use decisions
4. Promote a built environment which is resilient to climate change impacts
5. Enhance biodiversity and ecology, and protect it from the impacts of climate change
6. Promote low emission and sustainable land use, building practises and day-to-day operations

*Tell us what you think about our **climate change action plans**.*

*Are there any specific goals or actions you want to see included?*

Visit [kororomai.whakatane.govt.nz](http://kororomai.whakatane.govt.nz) to tell us what you think by 5pm Friday, 4 September 2020.

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