

MASTERTON DISTRICT COUNCIL

COUNCIL AGENDA

PROPOSED CLIMATE ACTION PLAN DELIBERATIONS

WEDNESDAY 24 AUGUST 2022
10.00 AM

MEMBERSHIP

Her Worship (Chairperson)

Cr G Caffell

Cr D Holmes

Cr G McClymont

Cr T Nelson

Cr C Peterson

Cr B Gare

Cr B Johnson

Cr F Mailman

Cr T Nixon

Cr S Ryan

Notice is given that a meeting of the Masterton District Council will be held at 10.00am on Wednesday 24 August 2022 at Waiata House, 27 Lincoln Rd, Masterton.

**RECOMMENDATIONS IN REPORTS ARE NOT TO BE CONSTRUED AS COUNCIL POLICY UNTIL
ADOPTED**

19 August 2022



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AGENDA

1. Karakia
2. Conflicts of Interest (Members to declare conflicts, if any)
3. Apologies
4. **Confirmation of Minutes of the Council Meeting held to hear submissions on the Proposed Masterton Climate Action Plan on 10 August 2022 (096/22) Pages 101-124**

FOR DECISION

5. **MASTERTON CLIMATE ACTION PLAN DELIBERATIONS** (112/22) Pages 121-224

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096/22

MINUTES OF THE COUNCIL MEETING HELD TO HEAR SUBMISSIONS ON THE CLIMATE ACTION PLAN ON WEDNESDAY 10 AUGUST 2020 AT 10.00AM

PRESENT

Mayor Lyn Patterson (Chair), Councillors G Caffell, B Gare, D Holmes, B Johnson, T Nelson, T Nixon, C Peterson (by zoom) and S Ryan.

IN ATTENDANCE

Chief Executive, Manager Strategy and Governance, Manager Assets and Operations, Manager Communications and Engagement, Senior Policy Advisor Climate Change and Environment, Policy Advisor and Governance Advisor.

CONFLICTS OF INTEREST

Councillor Ryan declared an interest as a member of the Lansdowne Residents Association (Submitter 47).

APOLOGIES

Moved Mayor L Patterson

That the apologies for non-attendance from Councillor F Mailman and Councillor G McClymont be received.

Seconded by Councillor Johnson and CARRIED

DRAFT MASTERTON DISTRICT CLIMATE ACTION PLAN HEARING (095/22)

The report providing Council with the submissions received in relation to the draft Climate Action Plan and outlining those who wanted to be heard was taken as read.

Council heard from the following submitters:

Sub #	Name
S23	Jonathan Currall
S35	Thomas Murphy (Zoom)
S25	Graham Dick
S26	Rico and Luke Fairbrother (Presentation – see Minutes Attachment 1)
S49	Forest 360 (Zoom) (Michelle McCabe)
S69	Southern North Island Wood Council (Zoom)

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Sub #	Name
S11	Karyn Burgess and Gary Foster
S54	Allan Kirk
S22	Elisabeth Mikkelsen

The meeting adjourned at 11.50am and reconvened at 1.00pm

Mayor Lyn Patterson (Chair), Councillors G Caffell, B Gare, D Holmes, B Johnson, T Nelson, T Nixon (by zoom), C Peterson and S Ryan were present when the meeting reconvened.

Sub #	Name
S60	Brent Reid
S55	Peter James
S65	Tranzit Group (James Howard)
S59	Bruce Laing
S41	Aaron Slight (Zoom)
S64	Federated Farmers (Liz McGruddy)
S16	Lynton Baird
S47	Lansdowne Residents Association (Richard Jackson)
S73	Elise Sadler
S87	Sam Ludden
S81	Euan Haycock (Presentation – see Minutes Attachment 2)
S78	Diane and Ian Grant

The meeting adjourned at 2.50pm and reconvened at 3.20pm

Members Mayor Lyn Patterson (Chair), Councillors G Caffell, B Gare, D Holmes, B Johnson, T Nelson, T Nixon (by zoom), C Peterson and S Ryan were present when the meeting reconvened.

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Sub #	Name
S61	Sustainable Wairarapa (Duncan Moore)
S68	Karen Lundie

[Note to Minutes: presentations made by Submitter S26 (Richard Fairbrother) and Submitter S81 (Euan Haycock) are attached as Minutes Attachments 1 and 2 respectively]

The recommendation was corrected to reflect the fact that two submitters had withdrawn from the hearing so 23 submitters had been heard.

Moved Mayor L Patterson

That the Council:

- 1. Receives the full set of submissions on the Masterton District Climate Action Plan (under separate cover);**
- 2. Notes that 87 submissions were received;**
- 3. Notes that of those submissions received, 23 submitters requested to be heard; and**
- 4. Notes that a Deliberations meeting is scheduled for 24 August 2022.**

Seconded Councillor S Ryan and CARRIED

Meeting concluded at 3.35pm

On farm carbon sequestration

Let's balance the ledger



- Masterton is a service town - the prosperity of the town relies on a thriving and successful primary sector
- Council should be doing everything they can to help- not hinder the primary sector



- My name is Richard Fairbrother, and this is my son Luke, and we are 5th and 6th generation sheep and beef farmers from the Blairlogie district east of Masterton
- Our property and many others in the district are actually carbon positive if taken into account all trees on farm, assisting and not contributing to climate change

Our farm has a huge amount of carbon sequestering trees, vegetation and soil that cannot be used to offset our emissions



Over many years, our family has planted thousands of trees on our property, for erosion control, stock shelter, and to enhance the bio-diversity of our farm



My grandfather established ~~100~~ a 6HA Queen Elizabeth II Trust covenant on our property, to protect native bush for future generations



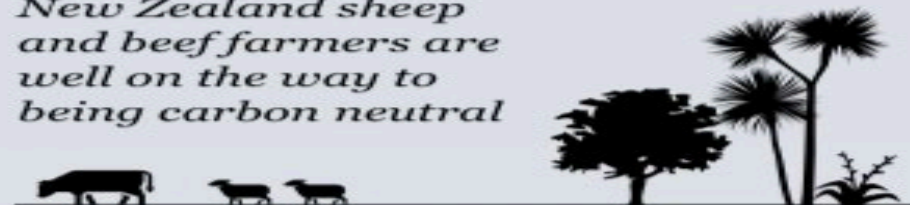
Summary report

Analysis of carbon stocks and net carbon position for New Zealand sheep and beef farmland

Key findings of the research include:

- There is a significant amount of carbon-sequestering woody vegetation on sheep and beef land – covering approximately 2 million hectares, or just under 20% of all sheep and beef land area.
- As a result, New Zealand sheep and beef farmers are likely close to being carbon neutral.
- Total annual on-farm agricultural emissions for sheep and beef production are +16,537 kt CO₂e¹, based on official governmental figures.
- The woody vegetation on sheep and beef farms has annual equivalent GHG sequestration of between -10,394 kt CO₂e and -19,665 kt CO₂e.
- The net emissions position for New Zealand sheep and beef farmers is between a net annual credit of 3,093 kt CO₂e and a net deficit of 6,143 kt CO₂e.
- Woody vegetation on sheep and beef farms is therefore offsetting between 63% and 118% of their on-farm agricultural emissions.
- If a mid-point in the range is used, the woody vegetation on sheep and beef farms is offsetting approximately 90% of their on-farm agricultural emissions.
- Of the 2 million hectares of carbon-sequestering woody vegetation approximately 77% is indigenous.
- Approximately 12% of New Zealand's woody carbon stocks, and over 40% of the country's total carbon stock (including both above and below ground carbon) is held on sheep and beef farmland.

New Zealand sheep and beef farmers are well on the way to being carbon neutral



30% **REDUCTION**
in absolute greenhouse gas emissions since 1990

Woody vegetation on NZ sheep and beef farms is offsetting between 63% and 118% of their on-farm agricultural emissions



	Total	% of on-farm agricultural emissions being offset by sequestration
Total emissions	+16,537 kt CO ₂ e	
Total sequestration (lower estimate)	-10,394 kt CO ₂ e	63% offset
Sequestration (higher estimate)	-19,665 kt CO₂e	118% offset

Note: The net carbon emissions estimation assumed a net-neutral rate for soil sequestration. While there is fairly good information about soil carbon stocks, there is not good data about yearly changes in soil sequestration. The science on this is still in development.

MDC Action plan

- The plan talks clearly about the temperature reductions as set out in the Paris agreement - it doesn't talk about that is not to be at the expense of food production
- It says in the plan that Masterton District Council supports legal protection of key biodiversity hotspot sites that will be important in helping our native flora and fauna to adapt to climate change – this Sounds like SNAs – is the council prepared to sign off on an issue that hasn't even been put through at central government level yet?
- Why doesn't the Masterton District council calculate its whole district carbon emissions, and balance that with its whole district sequestration...? May find (highly likely) The district could be carbon positive and be an advantage for the District

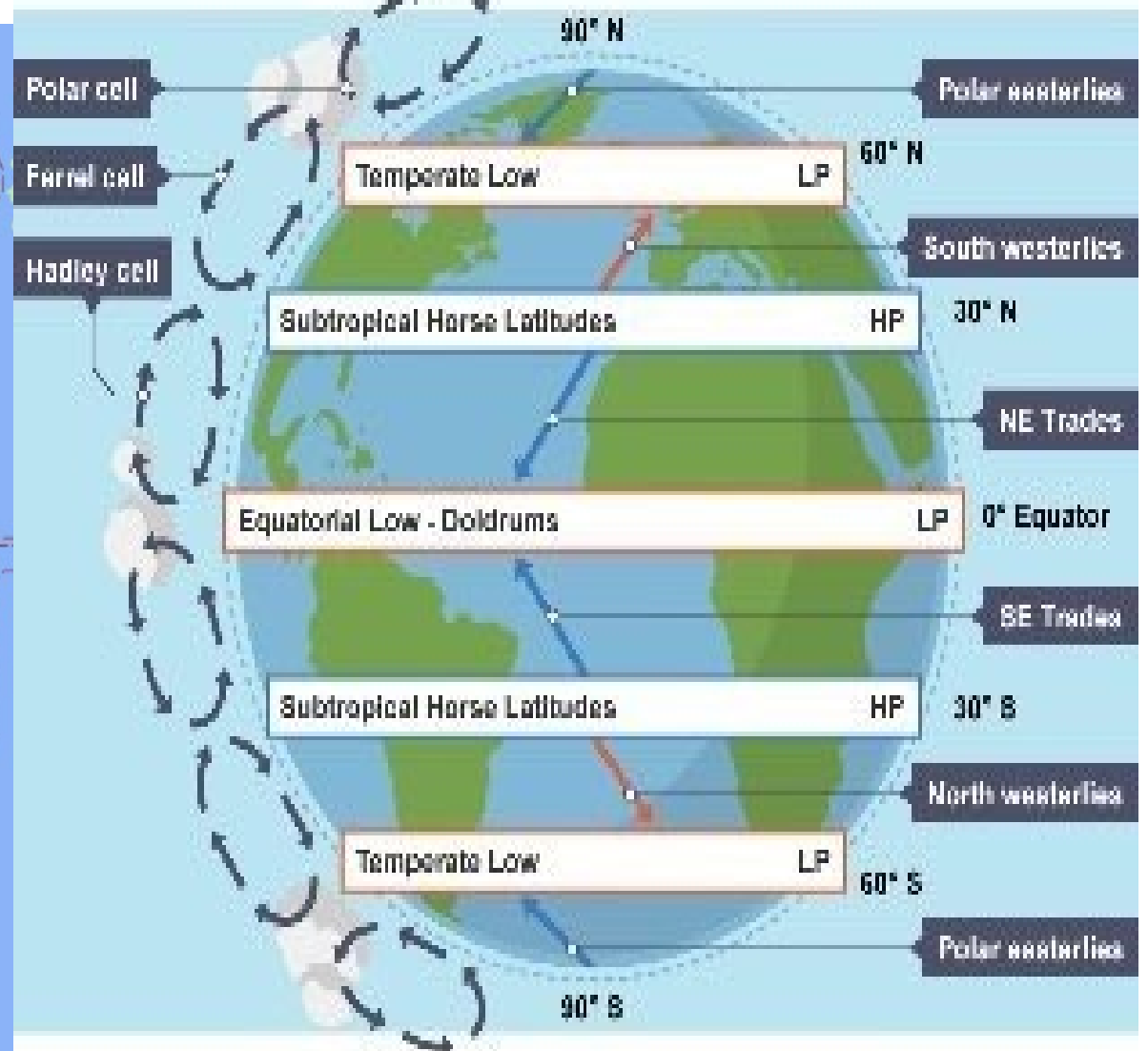
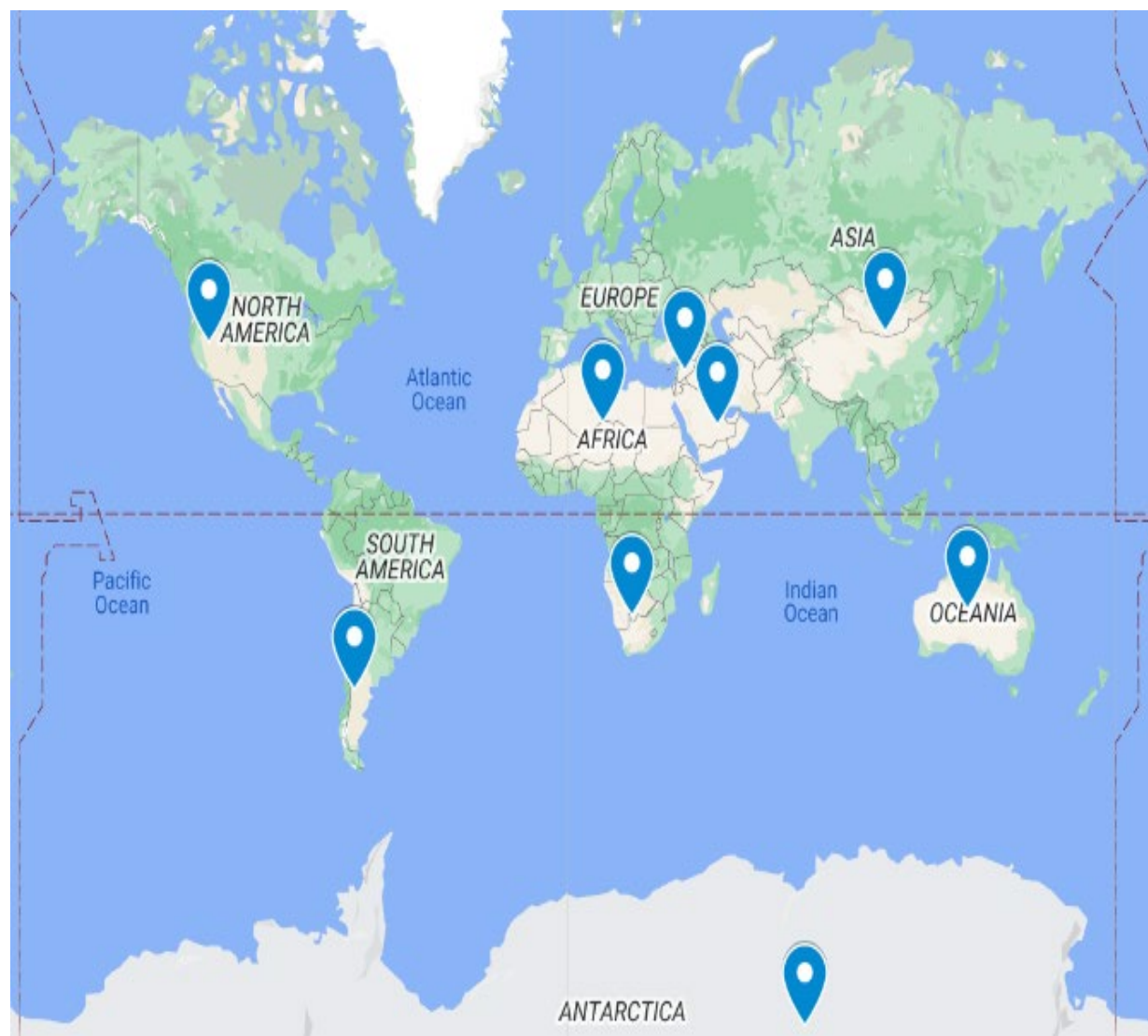
- Congratulations to the Council on adding a mental health support section to the Action Plan to support farmers
- A recent federated farmers survey showed farmer confidence is at an all-time low, contributing to this is the wave of regulations they are currently facing
- If livestock farmers are to be taxed on their carbon emissions, then surely the ledger must be balanced with what carbon they sequester on their properties

Conclusion

- In conclusion - my submission is that the Masterton district council take a leadership approach for other councils in New Zealand to follow - and begin the process of mapping All relevant carbon sequestering vegetation in the Masterton district to find its true value
- Agriculture is Masterton's biggest industry - Please do not bite the hand that feeds us
- Thank you for listening to our submission today - We welcome any questions or comments

Hadley cells, horse latitudes and subtropical deserts. Earth's heat sinks... the "BIOTIC PUMP" is the answer.

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White roofs, streets could curb global warming

- by Lisa Zyga , Phys.org
- The idea of painting our roofs and roads white to offset global warming is not new, but a recent study has calculated just how significantly white surfaces could impact greenhouse gas emissions. Last week, researchers at Lawrence Berkeley National Laboratory and UC Berkeley presented their study at California's annual Climate Change Research Conference in Sacramento.
- If the 100 largest cities in the world replaced their dark roofs with white shingles and their asphalt-based roads with concrete or other light-colored material, it could offset 44 metric gigatons (billion tons) of greenhouse gases, the study shows. That amounts to more greenhouse gas than the entire human population emits in one year, according to a recent article in the Los Angeles Times. The strategy could also offset the growth in carbon dioxide emissions, which account for about 75% of greenhouse gases, for the next 10 years.
- The reason for white is simple: white reflects the sun's rays more than black does. The study's coauthor, LBNL physicist Hashem Akbari, explained that it takes about 10 square meters of white roof to offset 1 metric ton of carbon dioxide. In warm climates, white roofs have the additional benefit of lowering the cost of air conditioning by up to 20% in hot months.
- It's this second reason of reduced cooling costs that prompted the state of California to require in 2005 that flat-roofed commercial buildings have white roofs. In 2009, the state will require that new and retrofitted residential and commercial, with both flat and sloped roofs, be installed with heat-reflective roofing. The requirements are part of California's energy-efficient building code.
- Globally, roofs account for about 25% of the surface of most cities, and pavement accounts for about 35%. Even without cutting industrial pollution from current levels, installing white roofs and pavements could offset more than 10 years of emissions growth, according to the conference data.
- Economically, the scientists estimate that white roofs and roads could save billions of dollars per year in reduced carbon dioxide emissions. Besides offsetting global warming and reducing cooling costs, white surfaces offer a third benefit: they could cool a city by a few degrees, which dramatically reduces smog.
- The LBNL physicists plan to work with the United Nations to persuade the world's major tropical and temperate cities to adopt white roofing and pavement strategies.
- Akbari, along with coauthors Surabi Menon of LBNL and California Energy Commissioner Arthur Rosenfield, will publish the study, called "Global Cooling: Increasing Worldwide Urban Albedos to Offset CO₂," in an upcoming issue of the journal *Climate Change*.

Good news for farmers... 116

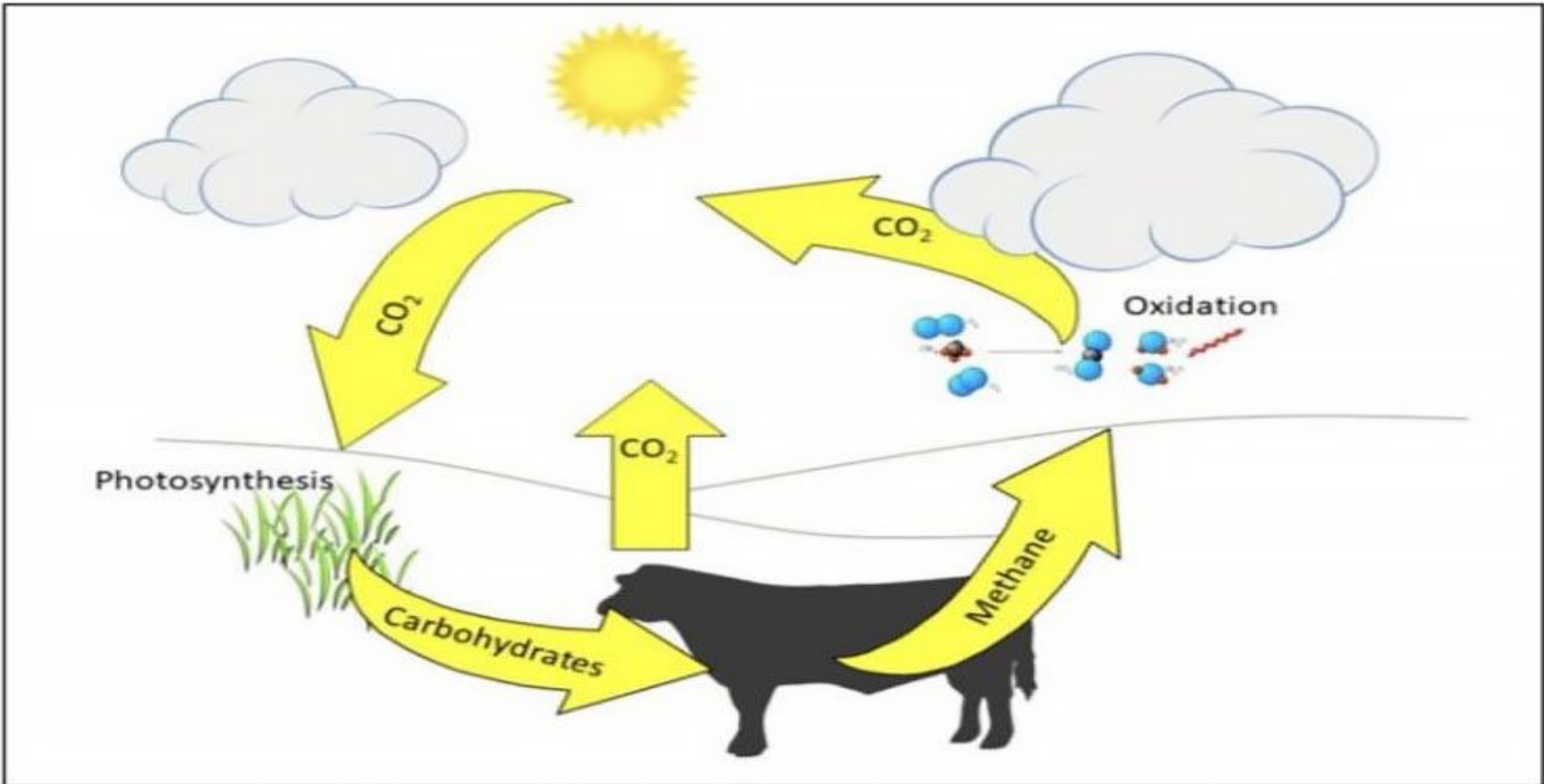


Figure 1. Methane production by cattle is part of a natural carbon cycle where the methane oxidizes in the atmosphere over a period of years converting the carbon to carbon dioxide (CO₂) that can be fixed through plant growth to form carbohydrates in feed. Within this cycle there is no long term impact on climate if methane emissions and oxidation are in balance.

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Matter can neither be created or destroyed. Only transformed. There is no more carbon on earth than there has ever been.

The carbon dioxide and methane all mammals expel does not contribute to overall greenhouse gas emissions for the simple reason that all mammals also take up an equivalent amount of carbon from the air, albeit indirectly. Everything mammals eat can be traced back to photosynthesis, the process by which plants take up carbon dioxide from the air and use it to produce the vast array of organic compounds needed for life. Mammals bodies can be regarded as living engines that require fuel and oxygen to produce the energy needed to sustain life. In that sense, we are not all that different from a car. Both for a mammal and for the car, the source of oxygen is the air, roughly 20 per cent of which is made up of oxygen. An internal combustion engine burns gasoline and spews out water, carbon dioxide and a few combustion by-products. We, instead of gasoline, burn the carbohydrates, fats and proteins in food. Like gasoline, these organic compounds are converted to carbon dioxide methane and water, which we then expel

What are the real solutions?

- Mitigate the heat issues – biotic pump restoration, reflect the heat away from the earth – roofs, roads etc...
- Make communities more resilient in terms of disaster management and water storage
- Think bigger. Get away from reductionist views -

What fossil fuel things can we not yet replace?

- First responder helicopters, aircraft and vehicles for fire and emergency
- Coastal freighters and ships
- Tyres
- Road tar
- All military machinery
- Long haul freight carriers
- And soooo much more.....

Can NZ electricity grid cope with the extra demand for a full NZ ev fleet? Is there sufficient/efficient storage for green energy so it can be used on demand?

- No and no. not yet...
- The wind does not always blow or the sun always shine. And there must always be sufficient base power supply to cover the often intermittent and fluctuating power generated by green energy.
- Are the main transmission lines capable of carrying all that extra power? Will they overheat? I heard Australia is saying cost of new power line infrastructure will be in the trillions of dollars....

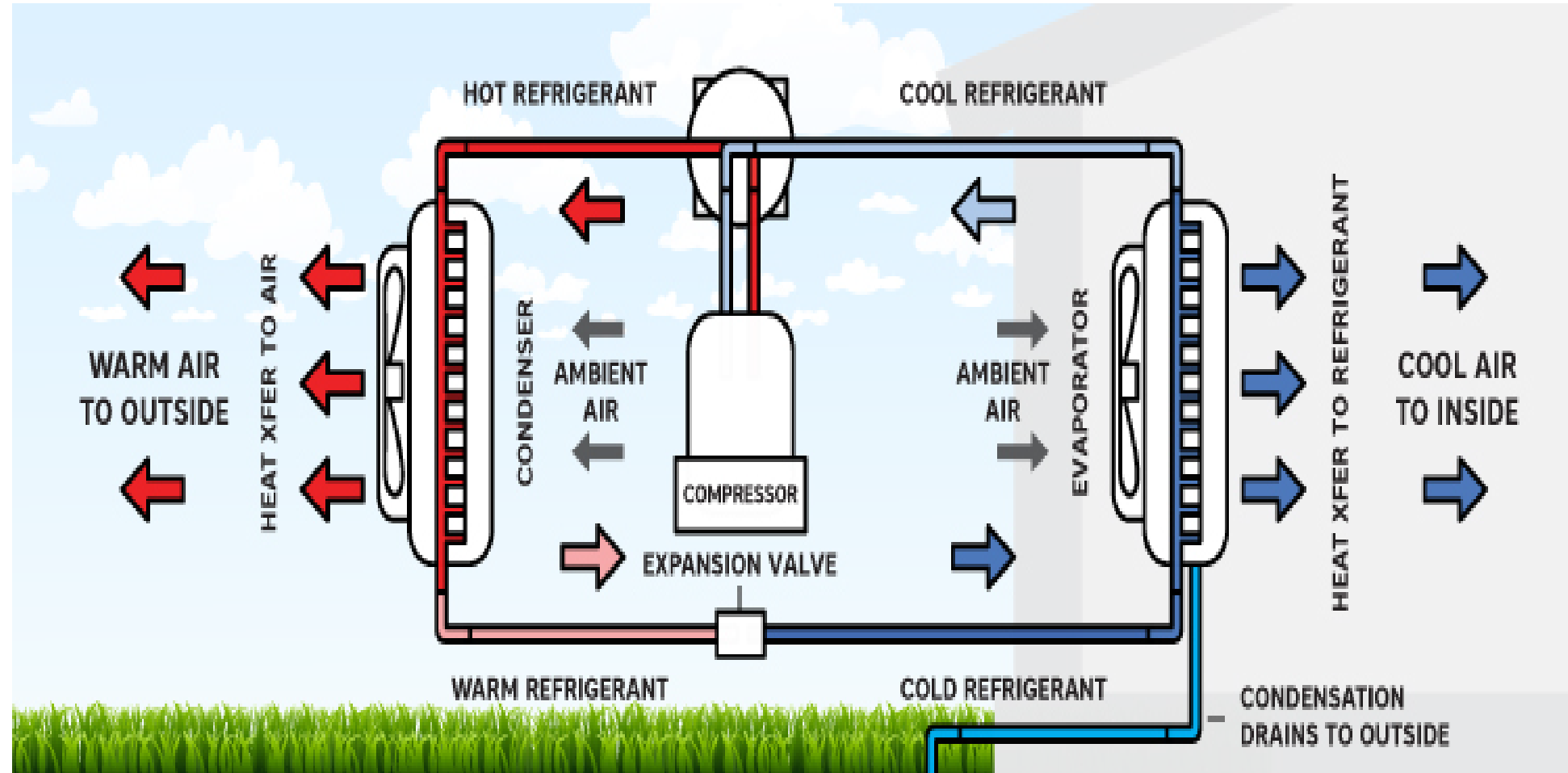
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Should climate action projects be assessed based on the carbon expenditure to produce/construct/complete the projects weighed against the greenhouse gas emissions saved in the expected life span of the completed projects?

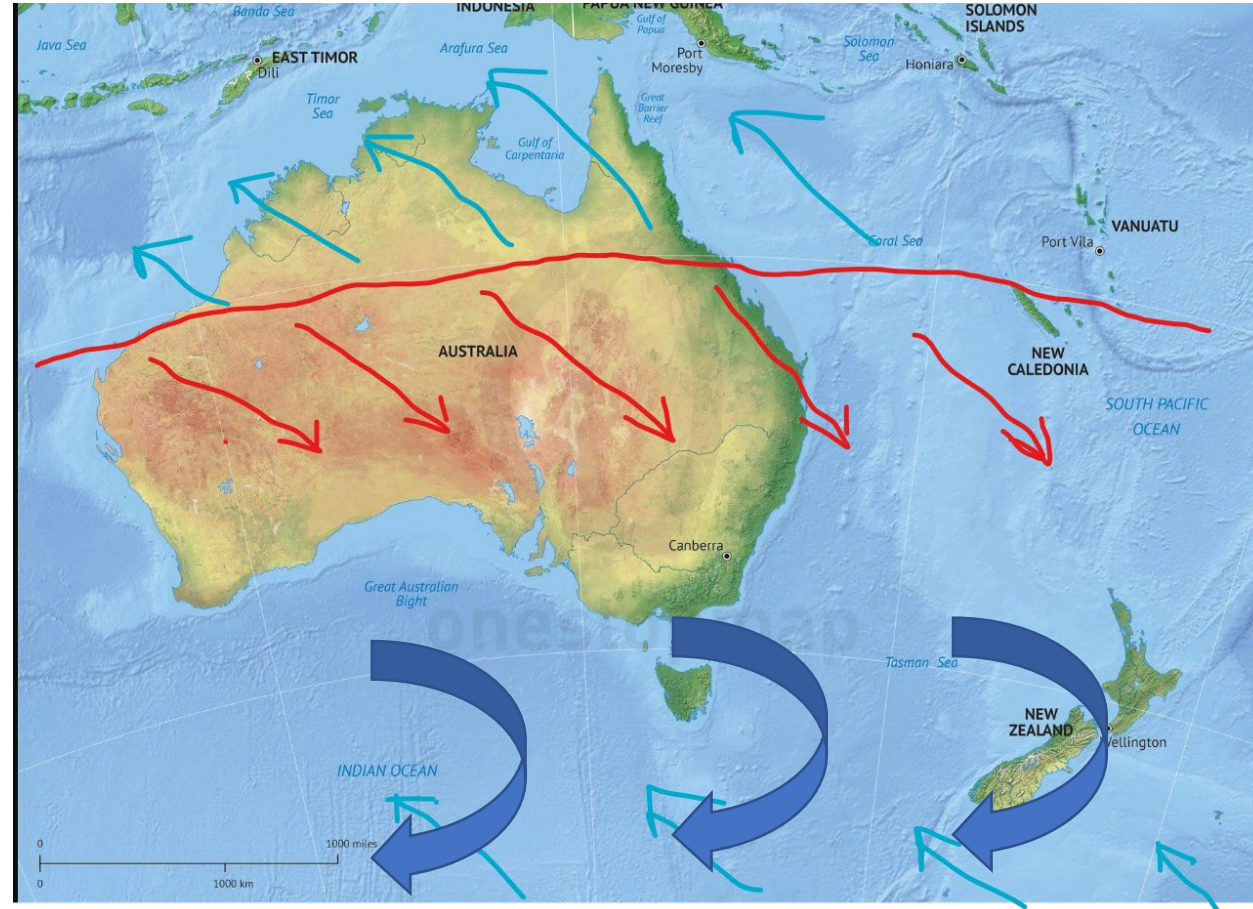
- YES. Absolutely. There is no point in building something that has a bigger carbon footprint than it can ever offset...

Do we need green wildlife corridors when we are already implementing riparian waterway plantings?

- No. tree and bush lined waterways are the perfect all year round safe place for birds and insects and all rivers connect. Predators also follow waterways so eradicating predators can be a targeted efficient process especially on farms

Heat transfer systems. How to reduce their impact and conserve energy





To:	Your Worship the Mayor and Councillors
From:	Lisa McLaren, Senior Policy Advisor – Climate Change and Environment
Endorsed by:	David Hopman, Chief Executive
Date:	24 August 2022
Subject:	Masterton District Climate Action Plan Deliberations
DECISION	
Recommendations:	
That Council:	
<ul style="list-style-type: none"> a. Notes that a climate change community focus group was established in July 2021 to provide advice and assistance to Council to develop a Masterton District Climate Action Plan; b. Notes that 87 submissions were received as part of the community consultation process on a proposed Masterton District Climate Action list and consultation document, with a formal Hearing held on 10 August 2022; c. Agrees to progress the proposed recommendations in this report (Report 112/22) for inclusion in the proposed Masterton District Climate Action Plan; and d. Notes that the final Masterton District Climate Action Plan will be presented to Council for approval at its meeting on 14 September 2022. 	

1. Purpose

The purpose of this report is to:

- present Council with a summary of submitters' feedback (as expressed in submissions and during the consultation period);
- provide additional supporting information for Council to take into consideration when deliberating on the submissions received on the proposed Masterton District Climate Action list and Consultation Document;
- present Council with proposed recommendations to be included in a final Masterton District Climate Action Plan; and
- seek Council agreement to progress the proposed recommendations in this report (Report 112/22) to be included in a final Masterton District Climate Action Plan.

2. Executive Summary

Council is on a journey to reduce its organisational and district carbon emissions to net zero carbon by 2050. Council is taking a two-plan approach to addressing the impacts of climate

change. Firstly, the Corporate Carbon Emissions Reduction Plan (CCERP) guides the first stage of Council's journey to become a net zero carbon organisation. The CCERP is available on the Council's website here: https://mstn.govt.nz/wp-content/uploads/2021/03/Corporate-Carbon-Emissions-Reduction-Plan_FINAL_2021.pdf

Secondly, Council has been working with a climate change community focus group since July 2021 to develop actions for inclusion in a Masterton District Climate Action Plan. Council adopted the Masterton District Climate Action Plan Consultation Document and proposed list of climate actions for public consultation on 29 June 2022, with a public consultation undertaken 1 July 2022 – 1 August 2022.

A formal Hearing was held on 10 August 2022. Following this deliberations meeting, a Masterton District Climate Action Plan will be considered for adoption by Council at its upcoming meeting on 14 September 2022.

3. Developing a Masterton District Climate Action Plan

Development Approach

Council has been working with a climate change community focus group since July 2021 to develop actions for inclusion in a Masterton District Climate Action Plan. The climate change community focus group was formed in July 2021 after taking expressions of interest from the community. Ten participants were selected for the Focus Group by a panel of elected members and iwi representatives. They were selected based on their range of different backgrounds, including forestry, farming, climate science, social science, government policy, te ao Māori perspectives, and involvement in community initiatives.

A series of workshops were held with the Focus Group, Council staff, elected members, and iwi representatives to explore different themes related to climate change, and to analyse potential solutions for the district. These themes were:

- Transport – how we move around the district using less climate-harming emissions.
- Energy/Electricity – how we power our homes and businesses through renewable energy.
- Built Environment – how we design and retrofit for low-emission construction and create infrastructure that is resilient to climate impacts.
- Natural Environment – how we protect our native biodiversity through climate solutions.
- Waste & Circular Economy – how we reduce our consumption and repurpose old items.
- Agriculture & Primary Industries – how we promote and support a low-emission transition in the rural sector by removing local barriers to action.
- Water – how we adapt to increasing severe floods, droughts, storms, and changes in precipitation rates.
- Equity and Culture – how we ensure our plan does not increase current inequities in our district but helps build a more resilient and fair community.

Hui were held with mana whenua representatives to discuss the potential of a simultaneous process where the development of a Masterton District Climate Action Plan could run alongside the development of a Wairarapa Māori climate change plan and/or strategy. Mana whenua

confirmed that they are prioritising the development of their Iwi Management Plans, and any climate related actions will fall out of these plans. It is anticipated that the Masterton District Climate Action Plan could complement climate and environmental actions that come from the Iwi Management Plans.

Two stakeholder engagement workshops have been held with participants from a range of backgrounds including local business owners, farmers, trades people, health professionals, scientists, and representatives from local organisations such as Federated Farmers and EnviroSchools. These workshops were held in April 2022 to seek their input ahead of finalising the list of proposed climate actions. Council staff also presented to fora such as the Masterton District Rural Advisory Group at their 22 February 2022 meeting.

Community Consultation

Council adopted the Masterton District Climate Action Plan Consultation Document and proposed list of climate actions for public consultation on 29 June 2022 (refer Report 077/22: <https://mstn.govt.nz/wp-content/uploads/2022/06/AGENDA-Council-2022-06-29.pdf>)

In total, 118 proposed climate actions were consulted on, which were split across the nine theme areas:

1. Coordinated Regional Approach - how we take a coordinated and strategic approach to climate change in the Greater Wellington Region.
2. Transport – how we move around the district using less climate-harming emissions.
3. Energy/Electricity – how we power our homes and businesses through renewable energy.
4. Water – how we adapt to increasing severe floods, droughts, storms, and changes in precipitation rates.
5. Waste & Circular Economy – how we reduce our consumption and repurpose old items.
6. Built Environment – how we design and retrofit for low-emission construction and create infrastructure that is resilient to climate impacts.
7. Natural Environment – how we protect our native biodiversity through climate solutions.
8. Agriculture & Forestry – how we promote and support a low-emission transition in the rural sector by removing local barriers to action.
9. Community Empowerment – how we ensure our plan does not increase current inequities in our District but helps build a more resilient and fair community.

Each theme had an overarching goal and sub-goals to indicate the direction and purpose of the proposed actions which were also consulted on. For each theme the proposed actions were divided into the following three categories:

- a. Council leading/instigating/facilitating the actions to take place. Ideas or projects that are within Council's remit to control (e.g. district plan changes).
- b. Council advocating for action from central government, businesses, or industry. Asking for support from other entities that have the lead role, funding, or mandate to help the Masterton District make changes, for example submitting on changes to central government policy or partnering with industry for local energy or transport projects.

- c. Council supporting other groups, organisations, or individuals to act. Providing advice, mentorship, funding, or connections to community projects and people who are developing climate change initiatives in the district.

Each theme also contained a section titled ‘work already in progress/planned’. This section outlined current or future work the Council already has underway/has committed to or intends to complete. The ideas listed in that section were not part of the consultation, but rather to give context as to what is already in the Council work programme and why those ideas may be missing from the proposed actions list.

There were three submission forms that the community could choose from to give feedback on the proposed climate actions:

- A short submission form to give general feedback.
- A medium-length submission form for feedback on each climate action theme e.g. water, waste.
- A longer submission form for submitting feedback on all 118 proposed climate actions.

Consultation was promoted through radio, newspaper advertising, council’s website and social media, email, and google ads.

The following table provides statistics on the online platforms used to promote the consultation period:

Online platform	Statistics
Google ads	<ul style="list-style-type: none"> • 239,420 impressions (people who were served the ad) • 1,199 clicks on the ad
Council’s Facebook	<ul style="list-style-type: none"> • Post Impressions: 6,108 • Post Reach: 5,751 • Engagements: 229
Council’s Instagram	<ul style="list-style-type: none"> • Reach: 493 • Likes & Reactions: 8

Submitters could submit their feedback online via the council website, by email, by hard copy, or over the telephone.

Opportunities for the community to hear more about the climate action plan process, proposed actions, and how they could make a submission included:

- 2 x online webinars
- 2 x drop-in sessions at the Masterton District Library
- an online youth session with youth climate leader Cr Sophie Handford of Kāpiti Coast District Council
- a leaflet drop at the skatepark and Queen Elizabeth Park, and
- 2 x pop-up sessions at the Farmers Market at the Solway Showgrounds.

In addition to this, an online workshop was held during the consultation period with the Masterton Youth Council.

A summary of feedback received from the consultation events outlined above are available in Appendix One of this report.

A total of 87 submissions were received and, of those, 23 submitters requested to be heard by Council. Of those 87 submissions, 66 were submitted online (10 long form, 11 medium form, 45 short form), 16 were emailed, and five were submitted by hard copy to Council's Customer Service Centre at 161 Queen Street .

Submissions were received from both individuals and groups, with eleven organisations submitting feedback. The organisations were mostly local and represented different interest areas in the community such as Federated Farmers, the Southern North Island Wood Council, Tranzit, and Waiwaste.

Of those who answered the demographic section of the submission forms, slightly more women responded (49.3%) compared to men (44.9%), with 5.8% not providing an answer. In terms of age, a quarter of respondents were aged 55-64 (25.7%), followed by 22.9% aged 45-54. The next largest age cohort were those 65+ (22.8%), 12.9% aged 35-44, 11.4% aged 25-34, and 4.3% those under the age of 24. Of those who answered the ethnicity question in the submission form templates, 64% identified as New Zealand European, 24% as Pākehā, 5% as Māori, 5% as Asian, and 19% responded with 'other'. Some respondents identified with multiple ethnicities.

A full set of submissions is available here: <https://mstn.govt.nz/wp-content/uploads/2022/08/Full-Set-of-Submissions-Volume-1.pdf> and <https://mstn.govt.nz/wp-content/uploads/2022/08/Full-Set-of-Submissions-Volume-2.pdf>

Oral submissions were heard at a Hearing meeting on 10 August 2022, where elected members heard a wide range of different opinions from 23 submitters on what should be included in a final climate action plan. A copy of the Hearing agenda is available here: <https://mstn.govt.nz/wp-content/uploads/2022/08/AGENDA-Council-2022-08-10-CLIMATE-ACTION-PLAN-HEARING.pdf>

4. Analysis of Submissions and Advice

The following section includes the analysis of submission responses and officers' advice based on the submissions in the following format:

Questions 1-5

This covers the analysis of responses to questions 1-5 from the submission form templates. These questions were included in all three submission forms (short, medium, long form).

The analysis for questions 1-2 indicates the level of support or agreement to the questions posed.

A summary of the feedback received in response to questions 3-5 is included in this section.

A thematic analysis breakdown of the climate submission responses to questions 3-5 can be found in Appendix Two and Three.

Themes

This covers the analysis of responses for each of the nine theme areas Council consulted on.

The content is based on feedback received via the medium and long submission forms, as well as emailed responses that specifically mention one or more of the themes. The feedback is structured as follows:

- Short summary of feedback
- Analysis of:
 - Theme goals
 - Theme actions (medium form responses)
 - Theme actions (long form responses)
 - General feedback on goals
 - General feedback on actions
 - Specific new ideas listed based on submissions on that theme.

Officers' Advice

This covers officers' advice on proposed new theme areas, goals, and a potential shortlist of actions as structured below:

- Comparison of the old and proposed new themes areas
- Proposed new goals in line with proposed new themes areas
- Proposed actions to keep under the potential new theme areas.

4.1 Analysis of Submissions¹

Responses to questions 1-5

Questions 1-5 were included in all three submission form templates.

Responses to questions 1-2

Question 1 – Are you supportive of Masterton District Council taking action to reduce impacts of, and adapt to, climate change?

[Compulsory question. All submissions that used a submission form template responded to this question. Email responses received did not]

Yes	No
91.4%	8.6%

¹ Statistical analysis error range +/- 0.2%

Question 2 – Do you agree with the Masterton District having a Climate Action Plan?

[Compulsory question. All submissions that used a submission form template responded to this question. Email responses received did not]

Yes	No
92.9%	7.1%

Responses to questions 3-5

The following tables provide a summary of feedback received in response to questions 3-5.

See also Appendix Two and Three for an analysis of the climate submission responses to questions 3-5 by theme.

Question 3 - What concerns you most about climate change? How do you think it will impact our District?

Sixty-three submitters answered question 3. Based on the responses received, commonalities were grouped into six broad categories as follows:

Climate change will impact the district	85%
Masterton is too small to do anything so there is no point in acting	1.6%
The science of climate change isn't settled so we shouldn't act	4.8%
Climate change will have a positive impact on the district (Either the changes needed to mitigate/adapt will make the district better, or climate change will make the district better).	1.6%
Climate change is a hoax so we shouldn't act	0%
Other [respondent presented a new idea or talked about a different topic]	6.3%

Question 4 - What are the benefits of taking action on climate change in Masterton?

Sixty-three submitters answered question 4. Based on the responses received, commonalities were grouped into five broad categories as follows:

There are benefits to acting on climate change for the district so we should act	88.9%
Other [respondent presented a new idea or talked about a different topic]	6.3%
Waste of money	4.8%
Climate change is a hoax so we shouldn't act	0%
Masterton is too small to do anything so there is no point in acting	0%

Question 5 - What do you think is the single most important thing that the Masterton District Council should be doing for climate change action?

Sixty-seven submitters answered question 5. The following table provides a summary of submitter responses.

Sub #	Suggested Idea(s) [some answers have been shortened or paraphrased for brevity]
S2	Increase water capacity.
S3	Walkable town is the single most important thing. - Active plan on reduction of traffic. - Make Queen Street pedestrian-only between Worksop and Bruce Streets. Ensure people-friendly access around this area (level crossings, bike lanes, bike parking areas), and car parks. We should treat this as a destination. - Provide people-friendly infrastructure from train station to the town centre, allow business growth in this space. - Allow mid-rise residential living in town centre and around (this reduces overall car dependency and promotes pedestrian living).
S5	Encouraging a plant-based lifestyle. How about only plant-based fare to be offered at council events.
S6	Encouraging and campaigning for population reduction. Population reduction can easily be achieved by controlling birth rates. Improved standards of living, a healthier population, and a healthier environment are all achievable with committed management.
S7	It is difficult to single out one thing. Everything is connected, and the environmental issues we are facing are complex and require a holistic approach and not a linear one.
S8	Leading the discussion within the community to raise awareness and get support for changing to a lower consumption, lower-impact lifestyle and economy (This means individuals AND farmers and businesses facing some big challenges and changes.)
S9	Secure a resilient local food and water supply chain, so in the case of a significant disruptive event we're able to sustain ourselves independently.
S10	The single most important thing the Council should be doing is having a kerbside organic waste collection from every household in Masterton.
S11	I would like to see the council lead a community vision for change. While the council alone can't influence these outcomes, what they can do is show leadership and galvanise the community into action. A great way to progress this could be to choose an initiative with clear benefits for emissions reduction that is likely to meet with limited resistance and implement it immediately. Something like organic waste collection from households would be a great way to reach a lot of people, make an immediate difference to landfill emissions and show people in the agriculture sector that people are genuine about making change across the board. This could build the energy for a stronger community vision.
S12	Safe cycleways all around Masterton to get people out of cars. It'd be great to see more people biking as main form of transportation (including kids). It'd be great if there were great cycling options away from busy streets e.g., through Solway Showgrounds to avoid

Sub #	Suggested Idea(s) [some answers have been shortened or paraphrased for brevity]
	Ngaumutawa Road and High Street trucks.
S13	Mitigation
S14	Planting trees, converting to rain water and solar/wind energy, reducing transport emissions.
S15	Wastewater and storm water management.
S16	Infrastructure and building regulations.
S17	Improving the train service.
S19	Rubbish and recycling.
S20	Reducing air pollution that impacts on health short and long term.
S21	Preparation and mitigation for extreme weather events- in particular heat, and rain.
S22	Encourage people to use different transport modes such as public transport, cycling and walking.
S26	Farmers getting credit for carbon sequestration.
S27	Leave anything to do with climate change and the action plan to the incoming council.
S28	Back out of it.
S29	Please do not overlook the recent research, highlighted by Nicola Toki from Forest and Bird. This shows how pest eradication could ensure our existing native forests are sufficient to meet our carbon emission reduction objectives. We don't need to plant exotic trees.
S30	Taking immediate action to employ a senior employee responsible for enabling immediate plans to be put in place that include and involve the entire community such as the introduction of kerbside organic waste collection and wide scale re-wilding and planting of native trees on unused land. We need Council to set a realistic budget to meet the actions outlined. This may mean putting a hold on projects like the Town Hall and only using money for necessary infrastructure upgrades, including making safe bike riding and walking roads, improving flood defences and nature-based solutions for water storage.
S31	Putting its resources into the outcomes it can control. delivering infrastructure that supports its residents to live with a low carbon footprint (cycle ways, de-centralised organics collection, intensification near public transport, supporting local good and service that have low transport footprints). And also upgrading the infrastructure to be fit for climate change projects so that there is less emergencies from natural disasters (creating more resilience to extremes).
S32	Supporting a just transition.
S33	Provide for walking, cycling.
S34	Put pressure on packaging companies to use materials that are easily recycled. It should not be left up to the end user to deal with their pollutants.
S35	Encourage diversification of land use away from ruminant ag (especially dairy) to nut trees, wine etc.
S36	Fix the misuse of water i.e. cooperate with 3Waters, drought proof farming by use of biochar and regenerative agriculture, curtail water wastage
S37	Enabling behaviour change in the community.

Sub #	Suggested Idea(s) [some answers have been shortened or paraphrased for brevity]
S38	Put no parking yellow lines for 500 metres either side of schools so that parents are disinclined to drive their children to and from school when they could walk.
S41	Need reliable water sources. Stop wasting consumables.
S42	Pedestrianise Queen Street. Better public transport.
S43	<p>Developing and facilitating a circular economy. This can be achieved by, over time, expanding the existing 'Resource Centre' into an industrial sized recycling centre for donated goods. This centre should have a bicycle workshop/repair section, recycled building supplies section and general household goods section.</p> <p>The council could educate, champion and promote green infrastructure developments on all levels, including urban, residential, recreational and commercial sectors. Such green infrastructure ideas include: Rainfall collection (to reduce stress on stormwater system, rain gardens, wetland restoration (urban and rural), soil development, green belts, carbon sequestration.</p>
S44	Coordinated response across region.
S45	Improving active and public transport.
S46	Water storage and underground infrastructure.
S48	Secure potable water supplies.
S50	Water management.
S51	I feel that there isn't one single thing that trumps everything else. What matters, and what MDC has already demonstrated in its consultation docs and proposed actions is a commitment to tackle this problem and apply solutions in many different areas. Well done MDC!
S52	Agreeing that there is a climate crisis and to act on action plans and suggestions.
S53	Prevent and reduce food waste at source across the Wairarapa through a shift to a circular economy.
S59	Use methane from tip.
S61	<ul style="list-style-type: none"> a) start kerbside organic waste recycling, and use it as a platform for encouraging other domestic emissions reduction steps; b) convert these 118 actions into a well-resourced PLAN with measurable targets; c) put CC at the TOP of every MDC decision; d) empower the community/raise awareness – so many simple steps possible! E.g. <ul style="list-style-type: none"> a. a pop-up climate change shop; b. a citizen assembly, c. higher profile GHG calculating for homes and businesses; d. socialise CC via community group liaison; e. put an EMRP thermometer on the old MDC building (like the jobs one, only for MDC's emissions reductions); f. be conspicuously planting for sequestration and to reduce the 'heat island' effect in Masterton.

Sub #	Suggested Idea(s) [some answers have been shortened or paraphrased for brevity]
S62	Removing barriers to people taking actions in all areas. Big or small. e.g. soft plastic recycling at the transfer station.
S66	Setting an example by considering climate change in every decision that Council makes.
S67	Reducing carbon emissions.
S68	1) Implement 3 Waters Legislation and take part in the funding offered. 2) Implement the use of electric buses and offer more bus routes so people can use them to get around town more easily.
S69	Benchmarking our district Co2 emissions and then measuring the reductions (or increases) over time.
S70	Reducing transport emissions.
S71	Prioritising public transport & active transport (e.g. bike lanes).
S73	There is no one single thing, all of your excellent action proposals are interconnected. We need your leadership. We need you to put climate change at the heart of EVERY decision you make. We need you to allocate ALL of the money from the Three Waters Better Off fund , both Tranche 1 and 2, to climate change actions. We need to have senior MDC employees dedicated to the implementation of climate change actions. We need a community vision for change. When we all know where we are headed, we know the steps that we need to take. It empowers people to be a part of the process. Initial actions need to engage everyone, educate, and be a springboard into related actions. I would suggest starting with kerbside organic waste collections. Every household will be involved.
S74	Reward carbon neutral activity.
S75	More public and active transportation. Inter-regional transport as well as around Masterton.
S76	Climate lens on all council decisions. Climate action staff member part of leadership team.
S77	Get started on suggested actions, don't water down plan or delay it.
S78	Acknowledge climate change, what it means, especially for the future, and develop plans and policies with solutions that directly serve the people, the poor and the excluded and create strong communities. This would, of course, affect the way budgets are worked out.
S79	Prioritise infrastructure for community resilience.
S80	Continue upgrading sewage and storm water systems to enable it to cope with increased rainfall.
S81	Preparing infrastructure for increased weather events.
S82	Education (causes and consequences of climate change, as well as mitigation options).
S86	No rates rises due to climate action and no new staff hire for climate action. Cost benefit analysis needed for any actions.
S87	Integrated system (from waste minimisation and composting to flood management and designing biodiversity into our urban spaces).

Analysis of submissions by Action Plan theme

This section details the submission feedback for each of the nine theme areas consulted on. For each theme, there is as follows:

- 1) Short summary of feedback
- 2) Analysis:
 - Theme goals
 - Theme actions (medium form responses)
 - Theme actions (long form responses)
 - General feedback on goals
 - General feedback on actions
 - Specific new ideas listed based on submissions on that theme

Supporting Information

The full list of actions consulted on can be found online here – <https://mstn.govt.nz/wp-content/uploads/2022/07/Climate-Change-Action-List.pdf>

See also Appendix Four - Proposed actions that were not consulted on. The proposed new ideas in this list were suggestions from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Because they differ significantly from the original actions, they have been listed here separately.

Theme One – Regional coordinated approach

How we take a coordinated and strategic approach to tackling climate change in the Greater Wellington Region.

Short summary of feedback

Goals were supported overall, and the actions received mixed feedback.

There was cross over between comments on regional coordinated approach and other themes. A small number of submissions specifically referenced the importance of mana whenua involvement.

Federated Farmers requested an opportunity to engage in the process, specifically in respect of any proposals being developed in respect of farm emissions and sequestration.

Some submitters questioned that this work should already be happening. Whereas others were worried about additional layers of bureaucracy that they viewed this approach would create, or that it would reduce decision making power of the local community.

Some submitters gave specific examples of where coordination could be useful between local government agencies, e.g. Waiwaste want to see Council work closely with other local government agencies in the Wairarapa region to collectively reduce food waste to landfill.

Analysis

Regional coordinated approach goals

Goal	Connected regional approach to mitigating and adapting to climate change which allows for knowledge sharing and uses Council resources/staff capacity wisely.
Sub-goal	Utilise the current and future regional projects to feed into council decision making around climate change mitigation and adaptation.

Regional coordinated approach goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	47.3%	15.9%	26.3%	10.5%

Regional coordinated approach actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	26.7%	46.6%	0%	26.7%

Regional coordinated approach actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
A1: Council to develop a coordinated climate action implementation approach with Mana Whenua, other Wairarapa district councils and Greater Wellington Regional Council.							
A1	62.5%	12.5%	0%	25%	Yes	Move to section on district resilience (modified)	Supported. The actions under the coordinated regional approach are most relevant to hazard mitigation.
A2: Council to participate in the development of a regional climate change adaptation strategy.							
A2	40%	20%	0%	40%	Mix (even split)	Move to section on district resilience (modified)	Mix of supported and 'other'. The actions under the coordinated regional approach are most relevant to hazard mitigation.

SUBMITTER COMMENTS ON REGIONAL COORDINATED APPROACH GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON REGIONAL COORDINATED APPROACH ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Yes learn from others. • Don't double up on similar staff positions when doing similar work. • Council needs to stick to looking after services and roads. • Very important to coordinate but fear progress will not be made quick enough. • Coordinated response needed to get rid of plastic. • Coordination vital. • Need to go beyond planning and make decisions using genuine climate and equity analysis. • Worried about added bureaucracy. • Better roads. • Regional collaboration on water storage and infrastructure geographically difficult but could secure joint funding as region. • Waiwaste supports this goal and would like to see Masterton District Council work closely with other local government agencies in the Wairarapa region to collectively reduce food waste to landfill. Supporting Waiwaste to stay connected with other food rescue organisations in the region will also be beneficial to this goal. • Worried about cost and staff needed. • Must be Wairarapa wide initiative. • Need to shift council focus to external projects rather than internal org emissions reductions projects. • Need community led component to get community voice heard. • Use local knowledge instead of outside 'experts'. • Local government seem to have difficulty agreeing on anything. • Yes, use regional approaches where these make sense and share information but get beyond planning to have a plan and 	<ul style="list-style-type: none"> • Support that mana whenua are involved. • Mana whenua involvement is key. • Need to have a consistent plan that goes beyond election cycles. • Goals are good but need urgent action. • Less talking, more doing. • This should already be happening. • Sounds like hot air if not already coordinating at regional level. • Most important thing is to prepare for climate change rather than fight it. Water is important. • Coordination is important if done in realistic/practical/cost effective way. • Supportive if the 'real' voice of the people themselves is not overridden. • Only the GWRC is worth cooperating with. • Councils are to represent their people and should work with other bodies such as GWRC to promote and action only the will of the people the council represents. • We note that Council is partnering with other territorial authorities to develop a Regional Emissions Reduction Strategy and a Regional Adaptation Strategy in 2022: Federated Farmers request an opportunity to engage in that process, specifically in respect of any proposals being developed in respect of farm emissions and sequestration.

SUBMITTER COMMENTS ON REGIONAL COORDINATED APPROACH GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON REGIONAL COORDINATED APPROACH ACTIONS [some answers may have been shortened or paraphrased for brevity]
demonstrate genuine climate and equity analysis as part of decision making. <ul style="list-style-type: none"> • Need to involve Mana Whenua is vital. Need to have a plan rather than just change every time a new council election is held is really important for the future. 	

Theme Two – Transport

How we move around the district using less climate-harming emissions.

Short summary of feedback

Both goals and actions were supported overall.

There were several comments related to encouraging and enhancing cycling/cycling networks in general to make Masterton more cycling friendly, and in relation to cycle safety, wellbeing, environmental benefits, and future potential for Masterton. Some submitters were concerned about costs of infrastructure.

Some submissions commented on the need for a bypass road, with comments relating to the volume of traffic and a desire to see large trucks moved out of the Town Centre area. There was also advocacy to explore moving State Highway 2. Speed reductions received mixed reviews, with those opposed citing concerns around practicality and the cost/benefit, while some in support cited safer cycling.

Improving public transport, including local and interregional buses and trains, was well supported. A few submitters questioned whether people in the District would use public transport.

Support for electric vehicles (EVs) was mixed. Some submitters questioned the environmental and social impacts of EVs. Other submitters thought it was not the role of Council to provide infrastructure or incentives for EV uptake. Some submitters identified equity concerns with any subsidies or rates rebates associated with EV uptake. Whereas other submitters wanted the Council to do more to encourage people into EVs over fossil fuel powered vehicles.

Analysis

Transport goals

Goal	Connected regional approach to mitigating and adapting to climate change which allows for knowledge sharing and uses Council resources/staff capacity wisely.
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Sub-goal	Utilise the current and future regional projects to feed into council decision making around climate change mitigation and adaptation.
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Transport goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	47.6%	4.76%	23.8%	23.8%

Transport actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	40%	20%	30%	10%

Transport actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
A3: Council to create active transport networks/cycleways to encourage alternatives modes of transport. Create cycle lanes or shared road/footpaths prioritising areas that connect to schools and recreation spaces, including a cycle network connecting Kuripuni/South, Town Centre, Masterton East, Masterton West, and Lansdowne. The network should connect in with the Wairarapa region's Five Town Trail Network cycling infrastructure project.							
A3	56%	33%		11%	Yes	Yes	Majority support
A4: Council to facilitate the installation of more publicly available EV infrastructure throughout the District including both urban and rural areas, including: - promotion of the current EV charging stations to the community more - installing EV charging stations in urban Masterton - installing EV charging stations in rural hubs such as schools and coastal settlements.							
A4	50%	10%	30%	10%	Mix (leans yes)	Yes (edited)	Submissions favoured Council to leave EV infrastructure to the providers. Change text to reflect this.
A5: Subsidise bikes for Community Services Card holders.							
A5	10%	40%	30%	20%	No	No	Contentious action. Mixed feedback from submissions. Other actions could

							have bigger climate change reduction impact.
<p>A6: Commission study of current and potential public transport users in partnership with Greater Wellington Regional Council to understand:</p> <ul style="list-style-type: none"> - current and future needs of users - constraints/barriers for community to use public transport - potential incentives. 							
A6	18%	18%	9%	55%	Mix (leans other)	Yes (combine with 7)	Information needed to work out public transport requirements of District. Advocate for GWRC to fund. Change text to reflect merging actions.
<p>A7: Support pilot initiative(s) to test outcomes of public transport study.</p>							
A7	50%	12.5%		37.5%	Yes	Yes (combine with 6)	As above. Change text to reflect merging actions.
<p>A8: Reduce speed limits on Masterton District Council-managed rural roads to mitigate carbon emissions and improve access for cyclists and pedestrians.</p>							
A8	27%	27%	46%		No	No	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
<p>A9: Improve throughflow in urban Masterton to reduce traffic congestion at peak times, which will reduce emissions as idling traffic is a significant source of climate pollution.</p>							
A9	33.3%	22.2%	33.3%	11.1%	Mix (even split)	No	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.

A10: Determine the District's transport emissions and monitor changes over time to establish effectiveness of the Climate Action Plan. Customise Greater Wellington Regional Council carbon emissions inventory for the District.							
A10	42.8%	28.6%	28.6%		Mix (yes)	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.
A11: Council to require all council contractors to use low carbon vehicles or offset their transport emissions.							
A11	28.6%	14.3%	57.1%		No	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.
A12: Council to advocate for the creation of safe cycle lane between main centres in Wairarapa along SH2 (for both commuters and recreation). The connected cycleway would be part of the Five Towns Trails Network but with a higher emphasis on commuter and local community recreation, rather than tourism.							
A12	42.8%	28.6%	28.6%		Mix (leans yes)	Yes	Majority support.
A13: Council to support a provider to hire out a pool of bikes to school students each year.							
A13	37.5%	12.5%	37.5%	12.5%	Mix (even split)	No	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
A14: Council to encourage uptake of lower or no emissions vehicles, e.g. working with advertisers and dealerships to promote EVs, hybrids and low-emission vehicles.							
A14	11.1%	22.2%	66.7%		No	No	Not supported by majority of submitters.

A15: Council to support local businesses to opt for lower transport emissions. For example, businesses which transition to an EV fleet and use solar for vehicle energy charging are given rates rebates.

A15	12.5%	25%	62.5%		No	No	Not supported by majority of submitters.
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SUBMITTER COMMENTS ON TRANSPORT GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON TRANSPORT ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Less logging trucks, more use of rail to transport logs to make roads safer. • Make it safer to cycle. • Make real cycle lanes. • Smaller buses. • Help people afford electric vehicles. • Concerns around EV infrastructure. • Public transport not a viable option for a rural area. • Buses between the Wairarapa towns take longer and are inconvenient. • Improve active and public transport. • Give access to electric vehicles and charging stations. • Lower the barriers to public/active transport options. • Goals are admirable but need commitment and visual action. • Need a better rail link to Wellington. • Concerns around EV infrastructure. • Goals are good and need to show the community how individual action makes a difference. • Trains illogical for rural transport. Will only work between towns. • Council needs to look at own car fleet. • Regions roads need to keep up with population growth. • EV vehicles have high carbon footprint and use child labour and coal to make. • Cycle lanes and walking tracks won't be used 	<ul style="list-style-type: none"> • Require all heavy vehicles to bypass town. • Make it safer to cycle. • Encourage heavy vehicles to bypass town. • Make it safer to cycle by having separated cycleways. • Unrealistic as current cycleways unsafe and therefore unused. • Needs traffic bypass roads. • Need safe cycle paths alongside SH2. • Leave EV charging stations to the private companies. • Under this area you have point 8, Reduce speed limits to reduce pollution. But then point 9, Increase throughput to stop so much idling traffic! So you reduce speeds, which slows everything up, but make it flow better, meaning massive road investment and works, all powered by diesel machinery, to stop vehicles idling which increases emissions (your own words)! Surely reducing the speeds will mean more chance of traffic idling and so increase emissions? • Concerns around viability of council contractors using EVs or offsetting vehicle emissions. • Some actions are weather dependent. • Action 8 proposes that Council lead an initiative to "reduce speed limits on MDC rural roads": If this proposal makes it through the prioritisation we recommend above, then Federated Farmers (Wairarapa) request an

SUBMITTER COMMENTS ON TRANSPORT GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON TRANSPORT ACTIONS [some answers may have been shortened or paraphrased for brevity]
<p>for transport because of the NZ culture.</p> <ul style="list-style-type: none"> • Concerned about costs. Concerned cycle lanes won't get used. Unclear how carbon offset for MDC staff flights would work. Doesn't want ratepayers to have to pay for people to convert to energy efficient products. • Concerns around EV infrastructure. 	<p>early opportunity to understand the rationale, evidence and potential scope of this proposal.</p> <ul style="list-style-type: none"> • Action 15 suggests "rates rebates" for electric vehicles: We do not support this idea – we suggest the effect will be farmers and tradies subsidising others in the community who have the means and opportunity to shift to electric vehicles, while there is still a distinct lack of available electric vehicle options suitable for farm use (and there is not likely to be anything available in the foreseeable future). • EV range not useful in rural setting.

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- Hire someone from outside NZ to plan a modern rail system for the region.
- Use traffic cameras instead of traffic calming measures.
- Cost benefit analysis of emissions to build cycleways versus the emissions saved by cycling instead of driving.
- We urge MDC to focus on, and generously resource, the public and active transport sub-goals (and related actions such as #3, 6, 7, 12,13).
- Decent local bus services are way overdue, using small coaches or vans, preferably electric. Also, circular routes that connect the main towns on an hourly basis, say Masterton to Carterton and Greytown, with an interchange there to a service going Greytown Martinborough and Featherston.
- Active transport engages individuals and households in addressing climate change, and achieves synergies & co-benefits.
- MDC could advocate and practically support strengthening the public transport connection to Wellington by establishing local bus and carpool hubs feeding into Featherston, linked to an on-demand rail unit to Upper Hutt and beyond.
- We would add a sub-goal: support the uptake of low-emission transport options in our low-decile communities through, (e.g. Double-down on Action #5, Council-supplying an e-bike or two for loan from e.g. Cameron House, Pilot e-scooter hire service in the CBD, free "drive one of MDC's EVs" events, special "Mobility scooter lanes, and/or a free step-on/step-off shuttle-bus running up and down the CBD; leading to, longer-term, pedestrianisation of the CBD/parking areas linked to a tram service)
- Require all heavy vehicles to bypass town.
- Make it safer to cycle by having separated cycleways.

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- To make accessible, to Masterton residents, alternatives to current fossil fuels. A fuels outlet with biodiesel, E100, E85 and E70 would provide an immediate choice to a great many residents to lower fossil fuel demand and, usefully, allow these fuels to be used in Council's own fleet in addition to ongoing electrification.
- To enhance the experience for Masterton residents who choose to walk. An improvement in streetscape by the widening of footpaths, grass verges and street trees modelled on Perry, Cole, Essex and Renall would be advantageous, along with any measures that would improve air quality such as free green waste mulching and rural waste plastics collection. Interconnection between humanised streetscapes and Masterton's emerging reserves network would be useful.
- The Plan identifies walkways and cycleways as important in encouraging more low-carbon recreation and commutes and the LRA endorses this and again looks forward to working alongside Council on such projects. Reducing car-dependency is obviously critical to lower emissions. To this end the LRA would like to see more emphasis on public transport in and around town somehow. We accept that will require a mindset change in the community plus the difficulty in seeing how it might work given the low demand. However we hear that GW are trialling an app in Tawa that responds to demand side requests and maybe such an approach might work here.
- From 1st September 2022 no aeroplanes (fun flights) will be used at Hood Aerodrome. Only flights to absolutely necessary destinations – and no old planes to be used until we have hydrogen fuel (or similar) available. If you plan to use a plane then you must have the money to travel to Wellington or Auckland so we do not need, in these climate change days, yet another unnecessarily extended airport.
- From 1st September 2022 no road repairs using large stones which are not imbedded into the tar properly and need replacing all too frequently. These stones, which to date are not used correctly, are left to be bedded in by cars, upended and thrown out to the sides of the roads where they are very dangerous to bikers, cause windscreens to be shattered, and impair tyres on cars and cause accidents. Tarmacadam costs more but lasts, and does not cause on-going problems.
- Ban over-large lorries (i.e. wood-trucks) from driving through our 3 main town roads whereby they go over a small indentation in the road and enlarge it, repeatedly, until the roads are a total mess. Coming from Castlepoint Road they must turn right on to Opaki Road until they can join the Masterton By-pass Road (or come up with a way they can all be put on the railway before they get to Masterton).
- I drive from Wellington to Masterton very often. I would love to take the train, but it's slow and very infrequent. If the train was a serious option, it would greatly reduce my carbon footprint.
- Recycle second hand bikes which happens in Wellington already.

Theme Three – Energy/Electricity

How we power our homes and businesses through renewable energy

Short summary of feedback

Both goals and actions were supported overall.

Some submitters wanted the Council to encourage or incentivise solar panels for local businesses, clubs, or residential homes. A range of different ideas around alternative energy generation and storage, as well as legislative and policy instruments such as bylaws or District Plan changes, were proposed by submitters.

One submitter was unsure about the benefits to LED lighting, and one submitter wanted powerlines underground due to visual pollution. Storing water and converting it into electricity was proposed by one submitter.

Analysis

Energy/Electricity goals

Goal
Masterton District has transitioned to zero-emissions energy sources.
Sub-goals
- Masterton District Council follows energy efficient practices - Masterton District Council promotes ways for community members and businesses to be more energy efficient (including community education).

Energy/Electricity goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	50%	16.7%	0%	33.3%

Energy/Electricity actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	50%	16.7%	16.7%	16.7%

Energy/Electricity actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
A16: Council to determine the District's current energy use and monitor changes to establish the effectiveness of the Climate Action Plan.							
A16	57.1%	14.3%	28.6%		Yes	No	Other actions could have bigger climate change reduction impact.
A17: Council to develop a programme of information on energy efficiency for the community to easily access.							
A17	37.5%	25%	25%	12.5%	Mix (leans yes)	No	Merged into public education action.
A18: Council to support wider conversion to LED lighting across the District.							
A18	62.5%	25%		12.5%	Yes	Yes	Majority support.
A19: Council to install solar and/or wind generation infrastructure on appropriate MDC buildings and ensure all Masterton District Council buildings are well insulated.							
A19	71.4%	14.3%	14.3%		Yes	Yes (edited)	Majority support.
A20: Council to investigate the potential for greater utilisation of roof areas for solar power generation. Showcase opportunities through pilots on public assets. Address current barriers to uptake and investigate incentives. Research: - the best options for different locations and building types - how these could benefit energy generation in the Wairarapa - where the most gains are in terms of energy generation							
A20	62.5%	25%	37.5%		Yes	No Yes (combine with 34 and 60)	Repeat action. Majority support.

A21: Council to support residents to convert to energy efficient products.							
A21	40%	20%	40%		Mix (even split)	No	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
A22: Council to support businesses to convert to renewable energy and efficient lighting and heating products.							
A22	44.4%	11.1%	44.4%		Mix (even split)	No	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
A23: Council to promote alternative energy development in the District and support rural development of alternative energy production, e.g. micro-hydro, wind, solar, biomass.							
A23	44.4%	11.1%	33.3%	11.1%	Mix (leans yes)	Include in next CCERP	More suitable to next iteration of Council's Corporate Carbon Emission Reduction Plan.

SUBMITTER COMMENTS ON ENERGY/ELECTRICITY GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON ENERGY/ELECTRICITY ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • People will use cheapest forms of energy in a low-wage economy area like Masterton. • Should be led by private sector with Council doing education and their own internal organisation actions. • Supportive of Action 17 [public energy efficiency information]. • Encourage solar. • Fully support community education. 	<ul style="list-style-type: none"> • Incentives good for EV's and solar panels. • EV's are for wealthy people, why would you reimburse them. • Energy generation easy, storage not so. • We note and generally support Councils intent to support rural development of alternative energy production. • LED street lighting isn't bright enough, in my opinion, to make walking at night safe.

SUBMITTER COMMENTS ON ENERGY/ELECTRICITY GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON ENERGY/ELECTRICITY ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Questions whether some actions are central and regional governments role instead. Wind generation issues (blades kill birds). Roof top solar idea has merit but needs to be at reduced cost. Not sure LED lights are the best idea (amount needed). • Supportive of energy efficiency measures. • Good goals for energy grid and peoples wallets. 	<p>Can we investigate LED options that are brighter? Or options that are motion sensitive?</p>

SPECIFIC NEW IDEAS The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.
<ul style="list-style-type: none"> • Put powerlines underground as they are ugly. • Look to store water and transfer in electricity. • Rates rebates for businesses and houses who install solar. • Action 32 - The examples should include providing shelter for people in a climate change crisis such as a flood or heat wave. • Pass a byelaw that says all businesses must turn off all lights when no one is in the building or at minimum, put in sensors so they turn on and off when no one is in the building. Lights left on all night for no reason is crazy. Incentives for businesses and residents to convert to LED and low energy lighting. Encourage, with grants, rates incentives or cheap loans, communities or a few places in an area, to set up mini power generation. • I believe that having a smart electrical grid for Masterton and NZ should be included in your action plan. A smart grid encourages and support off peak Electricity use and storage that would help keep line charge lower while delaying the inevitable cost of upgrading the line network. There are opportunities for MDC and the people of the Masterton Distract reduce their power bills and even make money from storing of peak power and shearing or reselling it back to the grid. I have included a page from the NZ Emission Reduction Plan that height lights some the opportunity there are in the Wairarapa to benefit from a smart grid now, the technology exist now to make it work, it just needs the willingness of people and possibly some regulation change to make it work. • A question: can we do more than just 'support residents to convert to energy efficient products'? Can MDC give real leadership, e.g. with mandates through the combined district plan? Can't we raise local legal standards for insulation, double glazing and even solar PV/water heating on new builds (with subsidies for low-cost housing)? In this regard, we applaud Action #71 in the Built Environment theme. MDC should support efforts to build/retrofit mini grids and Smart Grids. • If you were really serious about this, you would be providing rates rebates for those who have

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

invested in solar for their homes - possibly on a pro-rata basis e.g. X for a hot water cylinder, Y for a whole house on solar etc. You would also look to sorting out packages that people can purchase - like a "bulk deal" arrangement with local solar suppliers to make the transition more affordable.

Theme Four – Water

How we adapt to increasingly severe floods, droughts, storms, and changes in precipitation rates.

Short summary of feedback

Goals were supported overall, and the actions received mixed feedback.

Installation of non-potable water tanks for new builds was a popular action, with many respondents wanting Council to make it compulsory. District water infrastructure was one of the most commented on topics of the consultation. There was concern about what climate change would do to current infrastructure (including damage from increasing severe weather events, as well as drinking water availability concerns with increased drought and changes in precipitation patterns). Flood management was a priority for many submitters.

Safe rivers to swim in was also mentioned, as was the recycling of grey water. Water storage was a popular topic, with mixed submissions on how that water should be stored (dam option, nature-based solutions). Other topics mentioned included stopping spraying weeds near rivers and coordinating volunteers for remediation work.

Some submitters thought that water was a regional council issue and Council should not be involved. Specific ideas were put forward, including an idea for Short-Rotation Coppiced willow for wastewater treatment, linking to a biochar programme.

Analysis

Water goals

Goal
Masterton District has biologically healthy rivers which provide for our local communities, and our flora and fauna.
Sub-goals
<ul style="list-style-type: none"> - Masterton has access to enough water to service a growing population. - Masterton is prepared for increasingly severe water hazards/risk (floods, droughts, storm events). - Masterton District Council has a clear picture of the health of the district's rivers, including what parts are improving and what parts need urgent attention.

- Our community has a clear understanding of the health of our district's rivers and know what work is being done to improve them.

Water goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	52.6%	15.8%	5.3%	26.3%

Water actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	33.3%	33.3%	16.7%	16.7%

Water actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
A24: Council to identify council assets that are within projected flooding and sea level rise changes over the next 100 years. Utilise NIWA climate change projections and regional climate change risk assessment to understand specific infrastructure vulnerabilities to river and lowland flooding and coastal storm surge and sea-level rise, including changes in erosion / deposition.							
A24	88.9%		11.1%		Yes	Yes (combine with 25/80)	Majority support. Change text to reflect merging actions.
A25: Council to map climate impacts (sea level rise/coastal erosion, flooding, fire risk etc) across the three district areas – coastal, rural, and urban.							
A25	80%		10%	10%	Yes	Yes (combine with 24/80)	Majority support. Change text to reflect merging actions.
A26: Council to determine approach to risk mitigation (such as adaptive design and planning pathways as recommended by the Ministry for the Environment). Use those changes in risk to educate the community on what the council needs to do next to mitigate the issues.							
A26	75%			25%	Yes	Yes (combine with 68)	Majority support. Change text to reflect merging actions.

A27: Council to undertake measures to mitigate the effects of flooding and sea-level rise.							
A27	87.5%		12.5%		Yes	Yes	Majority support.
A28: Council to ensure Masterton District has a reliable and safe water supply.							
A28	87.5%			12.5%	Yes	Yes	Majority support.
A29: Council to ensure climate projections are used in planning for water resources infrastructure (dams, rivers, groundwater, pipelines, water races).							
A29	85.7%			14.3%	Yes	Yes (combine with 66)	Majority support. Change text to reflect merging actions.
A30: Council to incentivise residents to install rainwater tanks (non-potable).							
A30	77.8%		22.2%		Yes	Yes (edited)	Majority support.
A31: Council to update internal extreme weather response to make it fit for purpose with new climate change impacts.							
A31	87.5%			12.5%	Yes	Yes (combine with 32)	Majority support. Change text to reflect merging actions.
A32: Council to be well-prepared to support communities in the event of extreme weather events, such as flooding and fire events. Examples could include sandbags, flood barriers, water testing kits, evacuation plans, etc.							
A32	88.9%			11.1%	Yes	Yes (combine with 31)	Majority support. Change text to reflect merging actions.
A33: Council to ensure new stormwater infrastructure is designed for increasing frequency of extreme weather events.							
A33	87.5%			12.5%	Yes	Yes (combine with 69)	Majority support.

<p>A34: Council to investigate the potential for greater utilisation of roof areas for water capture. Showcase opportunities through pilots on public assets. Address current barriers to uptake and investigate incentives. Research:</p> <ul style="list-style-type: none"> - what are the best options for different locations and building type - how they could benefit stormwater management, rainwater harvesting and food growing in the Wairarapa. 							
A34	75%		12.5%	12.5%	Yes	Yes (combine with 20 and 60)	Majority support.
<p>A35: Council to identify options for reducing risk from flooding, including riparian planting, stop banks, wetlands, restrictions on building. Also in 'Natural Environment' section.</p>							
A35	87.5%		12.5%		Yes	Yes (combine with 81)	Majority support.
<p>A36: Council to advocate to Greater Wellington Regional Council to monitor and model climate impacts on the water system to understand the resilience of the network.</p>							
A36	85.7%			14.3%	Yes	Yes	Majority support.
<p>A37: Council to advocate to Greater Wellington Regional Council for better water sampling data sharing and use and increasing the data points collected if needed to get a clear picture of the state of the District's rivers. Also in 'Natural Environment' section.</p>							
A37	75%			25%	Yes	Yes (combine with 89)	Majority support.
<p>A38: Council to support development of new water storage infrastructure or expansion of existing infrastructure, including the use of nature-based solutions.</p>							
A38	71.4%			28.6%	Yes	Yes	Majority support.
<p>A39: Council to help identify options to reduce the frequency of toxic blooms in waterways. Also in 'Natural Environment' section.</p>							
A39	80%		20%		Yes	No	Other actions could have bigger climate change reduction impact.

SUBMITTER COMMENTS ON WATER GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON WATER ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Clean up rivers. • New houses need water tanks. • This is a regional council role, not district. • Water supply a real concern. • Want safe swimming in rivers. • Strongly support. • Support goals. Stop spraying weeds near rivers. • Build a dam. • Yes to flood management. • River health has very little to do with climate change. • Get community involved as volunteers in remediation. • Te mana o te wai should be a goal too. • This should already be done by Council. • Agree. Don't spray rivers. Could swales be an option? • Thinks that most actions are regional council responsibility. • Wants council to provide shelter for people during flood or heat wave. • Re-word Action #38 to "...giving priority to the use of Nature-based solutions". • Rivers are GWRC responsibility. • Great goals. 	<ul style="list-style-type: none"> • Make rainwater tanks compulsory with new builds. • Fix water infrastructure before looking to increase water storage options. • Ensure any water storage options are good for nature. • Lobby central govt to get dam project off the ground. • This is a regional council role, not district. • We fully support Wairarapa wide monitoring of water quality, gathering this data in a centralised place and making it available to the public. The sights monitored need to be increased. • Care must be taken and a lot of thought given so as Masterton is not written off as uninsurable.

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- We also need to think about what other baseline measures we can record and share to measure progress against. Bird counts, Lizard counts, trapping numbers and locations of pests.
- Encourage or again, pass a planning law, that all new builds must at the very minimum collect some rainwater for garden use.
- As an aside, there is the chance to install Pelton wheels on all council buildings so that when it is raining hard, these generate power which then helps the grid but also will provide the power to help pump out water if needed! The extra generated could be stored in batteries around the town near all MDC buildings.

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- Add the sub-goal, "Make Masterton a 'sponge city'" (This goal will give coherence to actions #26, 27, 33, 34, and 35).
- Sustainable Wairarapa's separate submission, advocating Short-Rotation Coppiced willow for wastewater treatment, linking to a biochar programme.
- Add an action of flood proofing the urban area using nature-based solutions, as outlined by the Waipoua Catchment Community Group."
- The collection of rain water in 1000Lt tanks in all new developments. This roof water is available in times of drought for garden irrigation, car washing etc.
- After current wet winter, has the MDC organised the saving of this rainwater to be used for the inevitable forthcoming drought and if not why not.
- We strongly recommend that the goals be amended to provide for reliable water supply for primary production to improve resilience of communities to climate-change related disruptions. The intent is perhaps implicit in Action 28, 29 and 38 but should be explicitly stated in the goals.
- Council MUST ensure people building new homes install at least 1x 25k tank for garden and emergency use. Encourage grey water to be recycled. This can be in ground if the section is small.

Theme Five – Waste and Circular Economy

How we reduce our consumption and repurpose old items.

Short summary of feedback

Goals were supported overall, and the actions received overall mixed feedback.

A substantial submission was received from Waiwaste with the offer of assistance/ expertise/ networks. The terms green waste / organic waste / food waste were used interchangeably by some submitters. Support for kerbside collection of organic waste and food waste were popular ideas, and for some submitters those were the most important actions.

Cost of taking waste to the rubbish tip was mentioned, both that it should cost more to incentivise people to reduce how much they take to the tip, and that it should cost less to encourage people to use the tip instead of other methods such as burying and burning.

Various solutions were proposed by submitters, such as using crushed glass for road, supporting businesses with low waste options, and making Masterton District a plastic produce bag free zone. Cost to ratepayers of any changes to waste system was mentioned by some submitters. Repair café style events was a popular idea with some submitters, with examples of where this was happening in other parts of the country provided.

Analysis

Waste and Circular Economy goals

Goal
Reduce Masterton District's contribution to methane emissions from landfills.
Sub-goals
<ul style="list-style-type: none"> - Keep green waste and organic waste out of landfills to reduce methane emissions. - Masterton District Council is a role model and educator about reducing waste in the District. - Masterton District Council supports climate outcomes within local waste reduction initiatives.

Waste and Circular Economy goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	50%	5.60%	5.60%	38.80%

Waste and Circular Economy actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	40%	20%	0%	40%

Waste and Circular Economy actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
A40: Council to provide green waste mulching and composting service for the wider community.							
A40	60%		20%	20%	Yes	Yes (edited)	Majority support.
A41: Council to investigate the best way to deliver domestic organic waste collection in the District.							
A41	75%			25%	Yes	Yes (combine with 47)	Majority support. Change text to reflect merging actions.
A42: Council to expand the current resource recovery operations in the District and build on that infrastructure. Foster a culture around 'repair not replace' in the District. Council to create ways to encourage our community to repair more and buy less. Council could facilitate training or repair café style events with the resource recovery groups and local businesses, promoting the idea of repairing broken or old household items via local community groups.							
A42	77.8%		11.1%	11.1%	Yes	Yes (edited)	Majority support.

A43: Council to investigate specific actions for reducing our rural waste. Council to provide education and alternatives to reduce the amount of people in rural areas who burn their household and farm waste, a practice that can contribute to carbon emissions. Council could provide alternatives for waste disposal in rural areas e.g. increase non-compostable rubbish collection points further out from town or develop more incentives for people to bring their non-organic waste to town. Council to encourage rural landowners / residents to compost their organic waste.							
A43	50%	25%	12.5%	12.5%	Yes	Yes	Majority support.
A44: Council to lobby for centralised waste operation in Manawatū at Bonny Glen to recover more landfill gas for power generation (this is where Masterton District sends all our waste).							
A44	33.3%	33.3%		33.3%	Mix (even split)	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.
A45: Council to lobby central government to put a small levy on bailage wrap importers which is then used to fund more effective recycling schemes to stop the plastic being burnt.							
A45	62.5%	12.5%	12.5%	12.5%	Yes	Yes	Majority support.
A46: Council to promote home composting.							
A46	66.7%	11.1%	22.2%		Yes	Yes	Majority support.
A47: Council to promote collection of organic waste from businesses for composting.							
A47	88.9%	11.1%			Yes	Yes (combine with 41)	Majority support. Change text to reflect merging actions.
A48: Council to promote redistribution of surplus food from restaurants and supermarkets, including supporting existing programmes such as Wai Waste.							
A48	75%	12.5%	12.5%		Yes	Yes (edited)	Majority support.
A49: Council to reduce emissions linked to construction and demolition, including corporate full carbon accounting in all new builds and renovation (covered in more detail in the Built Environment section).							
A49	50%	25%	25%		Yes	No	Repeat action.

A50: Council to partner with organisations that are educating the community on the link between waste and climate change (including the connection between fossil fuel extraction and plastic, and localised food production and reduction in food 'air and road miles' (transport emissions).

A50	57.1%	14.3%	28.6%		Yes	Yes	Majority support.
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SUBMITTER COMMENTS ON WASTE AND CIRCULAR ECONOMY GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON WASTE AND CIRCULAR ECONOMY ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Support local businesses with low waste options. • Better recycling services and letting people know where it goes. • Make green spaces for people to grow vegetables. • Make places where people can fix things. • Make it easy for people to not be wasteful. • Collect all food waste. • Price changes to tip fees. • Support. • Compost green waste. • Compost and biochar opportunities. • Support. • Work with neighbouring councils. • Masterton is well served by people's ability to recycle. • Not needed. • Encouraging composting good, asking rural residents not to burn rubbish needs more research. Council needs to buy from suppliers products that are repairable. Turn plastic back into oil at the recycling centre. • Supportive and action needs to go further. • Good goals. • Already happening. • Should capture methane for energy from landfill. 	<ul style="list-style-type: none"> • Make Masterton a plastic produce bag-free zone. • More composting options needed. • Lobby for producers and manufacturers and retailers to be liable for waste. Stop it from getting to residents. • Burn rubbish for power. • Make a state of the art recycling centre. • Glass crushed for roads. • Need to be creative. • Yes - will protect the environment and create jobs and build knowledge [referring to action 61 deconstruction hub]. • Providing a free green waste bin like we have for recycling would be great. • A repair café would be awesome! Incentivising repair rather than dumping would be great. Supporting and promoting organisations like the resource centre that take e-waste and strip it down would be good too. And also promoting the other recycling options provided there too so the whole community know. • Incentives to recycle and compost rural waste rather than burn is a great idea!

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- Green waste to the tip should be free, that would make people less likely to burn it. Currently a lot of the burning is due to people not wanting to pay high fees for green waste. Increase charges for general waste to reduce charges for green waste.
- We support a local eco-system that makes space for small, medium and large-scale alternative business approaches e.g. kerbside collections, community-scale composting, on-farm composting, home composting etc. It is vital that MDC work with organisations such as Waiwaste to support households and businesses understand and put in practice methods of reducing food waste. Waiwaste has the expertise and networks to assist in the development of food waste minimisation education programmes.
- Add sub-goal: "Council to activate kerbside organic waste recycling as soon as possible.
- Regarding actions #41 and 47: organic waste recycling requires hardly any more "investigation". We understand that Earthcare could press "go" on it almost immediately, and at a very affordable cost to ratepayers.
- Note, in our short submission, kerbside organic waste recycling is one of our "single most important" actions for MDC to take.
- We note and generally support Councils intent to develop more accessible alternatives for rural waste. In regard to item 43 however, there are currently no roadside rural waste or compost collection services in Masterton District. Therefore, forcing farmers to adopt expensive and cost-ineffective alternatives to practices such as burning off dead vegetation (such as shelterbelt trimmings and old tree stumps) by requiring them to pay for removal of farm waste to a composting plant in town, would lead to inequities in the burden of atmospheric carbon emission reduction, and for the majority of farmers in remote rural areas where Council recycling services do not exist or are not cost effective to participate in, would amount to a tax to no purpose.
- Nelson transfer station has a shop that sells items that have been repaired or restored from the rubbish dumped. Bikes, ovens, tools, fridges, helmets shoes clothes kitchen items and a whole load more. It pays for the people who fix repair and restore out of sales. Action 43 - rubbish skips that are collected and replaced when council is notified, they are full.

Theme six – Built Environment

How we design and retrofit for low-emission construction and create infrastructure that is resilient to climate impacts.

Short summary of feedback

Goals were supported overall, and the actions received overall mixed feedback.

Insulation and double glazing was mentioned in relation to retrofitting existing housing stock which can be cold and damp. Some submitters thought the actions were virtue signalling, vague, or too

expensive to complete. A submitter wanted cost of proposals to be analysed using an equity lens. Some supported the idea of reduced fees for Green Star buildings, while others thought there were better uses of the money. Support for council considering climate change in tenders and planning processes.

Some submitters provided own solutions such as investigating ground source heat pumps, banning coal fires in Masterton from 2022, or putting restrictions on dark coloured roofs and roadways.

Analysis

Built Environment goals

Goal
Reduce carbon emissions related to creating and maintaining infrastructure (including buildings) and ensure infrastructure is designed to withstand climate impacts.
Sub-goals
<ul style="list-style-type: none"> - Ensure the resilience of our district infrastructure from climate hazards (floods, droughts, heavy precipitation events, landslides, heat stress, wild fires). For example, prepare public areas, buildings and homes for extended heat waves. - Reduce emissions on council building projects. - Educate and support businesses and community on low-emission building.

Built Environment goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	64.3%	21.4%	7.1%	7.1%

Built Environment actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	50%	0%	0%	50%

Built Environment actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
A51: Council to retrofit existing Masterton District Council buildings with energy-efficient air conditioners.							
A51	62.5%	25%	12.5%		Yes	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.

A52: Council to investigate opportunities for incorporating shade and covered walkways in design of public spaces.							
A52	57.1%		14.3%	28.6%	Yes	Yes (edited)	Majority support.
A53: Council to incorporate climate change considerations into Council procurement processes. Ensure Council's tenders have a weighting for climate change.							
A53	42.8%	14.3%		42.8%	Yes	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.
A54: Council to use the development of the Youth Hub to investigate potential for low emission infrastructure and renewable energy generation on Council assets. Ideas could include installing solar panels with interactive display to use as a teaching tool and installing water conservation equipment and a composting toilet.							
A54	75%	12.5%		12.5%	Yes	Yes (edited)	Majority support.
A55: Council to utilise appropriate eco-design and low impact principles in all council refurbishment projects, including thorough utilisation of timber where feasible. Investigate low-emission and sustainable buildings practices for future council development.							
A55	71.4%	14.3%		14.3%	Yes	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.
A56: Council to investigate reduced building/compliance fees for proposed Green Star builds.							
A56	83.3%		16.7%		Yes	Yes	Majority support.
A57: Commit Council to low-emission building practices and day-to-day operations. Include emissions reduction performance targets and outcomes in the design and construction of infrastructure. Select and use third party green building and sustainable infrastructure rating tools to measure and reduce the environmental impact of our assets.							
A57	50%		50%		Mix (even split)	No	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.

A58: Council to identify from national and international examples of lessons learned on delivery of net zero energy buildings to inspire and enable easier and faster uptake of low-emission buildings.							
A58	80%	20%			Yes	Yes (edited)	Majority support.
A59: Council to identify and remove barriers to low-emission design and construction, including council processes and enable other mechanisms such as incentivisation and upskilling.							
A59	80%		20%		Yes	Yes	Majority support.
<p>A60: Council to investigate the potential for greater utilisation of roof areas for solar power generation. Showcase opportunities through pilots on public assets. Address current barriers to uptake and investigate incentives. Research:</p> <ul style="list-style-type: none"> - what are the best options for distinct locations and building types, - how they could benefit biodiversity, energy generation, stormwater management, rainwater harvesting and food growing in the Wairarapa, and - where the most gains are in terms of energy generation. 							
A60	62.5%	12.5%	12.5%	12.5%	Yes	Yes (combine with 20 and 34)	Repeat action. Majority support.
A61: Council to develop a deconstruction hub as part of the Resource Recovery Centre (covered in the Waste section) that provides infrastructure for industry to exchange key materials and share best practice expertise. Embed circular economic principles to address construction and demolition waste.							
A61	50%	16.7%		33.3%	Yes	Yes (edited)	Majority support.
A62: Council to embed climate change mitigation and adaptation measures into all council controlled public spaces. Prioritise the use of low-carbon infrastructure in public spaces e.g. e-charging infrastructure including e-bikes, scooters, wheelchairs, cars.							
A62	57.1%	14.3%	28.6%		Yes	Yes (edited)	Majority support.
A63: Council to explore initiatives to reduce travel by adapting local venues for sporting and other events.							
A63	80%			20%	Yes	No	Other actions could have bigger climate change reduction impact.

A64: Council to use underused land for opportunities such as energy generation and carbon sequestration.							
A64	42.8%	14.3%	28.6%	14.3%	Mix (leans yes)	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.
A65: Council to explore the use of temporary assets to confirm community needs before any permanent infrastructure is built.							
A65	57.1%	14.3%	14.3%	14.3%	Yes	No	Other actions could have bigger climate change reduction impact.
A66: Council to assess climate change impacts for all new Council developments and infrastructure. Council to develop a framework that will allow staff to consider climate implications at each stage of project development.							
A66	60%		20%	20%	Yes	Yes (combine with 29)	Majority support. Change text to reflect merging actions.
A67: Council to assess and support pathways to decrease construction of new infrastructure in known climate hazard/risk zones.							
A67	77.8%	11.1%	11.1%		Yes	Yes	Majority support.
A68: Council to adopt approaches to support decisions being made with reference to potential future climate impacts for new developments. One approach to consider which is supported by the Ministry for the Environment is the 'dynamic adaptive policy pathways' approach. This approach aims for flexible and adaptable decision making over time and has been used successfully by other councils for flooding and coastal erosion planning.							
A68	77.8%			22.2%	Yes	Yes (combine with 26)	Majority support. Change text to reflect merging actions.
A69: Council to ensure new stormwater infrastructure is designed for increasing frequency of extreme weather events. Also in 'water' section.							
A69	88.9%			11.1%	Yes	Yes (combine with 33)	Majority support.

A70: Council to ensure clear climate hazard information is provided for developers and regulators.							
A70	100%				Yes	Yes	Majority support.
A71: Council to lobby for legislative support. Council to advocate to central government to update the Building Code to consider waste and climate impacts for full lifecycle of buildings, including deconstruction, and when consents are lodged. Council to advocate for central government to update the Building Code on a regular basis with all new buildings required to operate at net zero carbon by 2030. For example, establish binding agreements with central government to regularly review Building Code every two to three years.							
A71	28.6%	14.3%	28.6%	28.6%	Mix (even split)	No	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
A72: Council to encourage new builds to include effective climate control systems to allow for internal temperatures that can support health during heat waves.							
A72	66.6%	16.7%	16.7%		Yes	Yes	Majority support.
A73: Council to use current and future research to determine whether emissions are reduced by repurposing construction waste or whether it is better to rebuild with sustainable materials.							
A73	50%	16.7%	16.7%	16.7%	Yes	No	Other actions could have bigger climate change reduction impact.
A74: Council to promote and incentivise the certification of new domestic properties to performance standards that meet the requirements of the Healthy Homes Act (e.g., Passive House).							
A74	83.3%			16.7%	Yes	Yes	Majority support.
A75: Council to support the delivery of a residential programme to reduce carbon emissions from the District's commercial and residential buildings, including the installation of insulation, double glazing, efficient heating and lighting, and renewable energy generation.							
A75	85.7%	14.3%			Yes	Yes (edited)	Majority support.

A76: Council to partner with industry to develop a commercial building retrofit programme to improve the efficiency and climate footprint of the District's commercial buildings; promote and enable fuel switching to renewable sources.							
A76	71.4%			28.6%	Yes	Yes (combine with 77)	Majority support. Change text to reflect merging actions.
A77: Council to support businesses and residents to install energy efficient air conditioners (heat pumps).							
A77	66.6%	16.7%		16.7%	Yes	Yes (combine with 76)	Majority support. Change text to reflect merging actions.

SUBMITTER COMMENTS ON BUILT ENVIRONMENT GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON BUILT ENVIRONMENT ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Like climate is important for tenders. • Solar power air con. • More double glazing. • Lofty/vague goals. • Concerns around cost of initiatives such as shade sails and solar. • Supportive of proposed actions, especially current action of embedding emissions reduction in all procurement processes, projects, and district plans. • The changes we make in NZ are virtue-signalling if we continue to source from places like China. e.g. if we ship logs (for example) overseas and then buy back the resulting product (chipboard) we are failing to address the problem at its source. We must think bigger. • Too expensive. 	<ul style="list-style-type: none"> • A sustainable subdivision/ village sounds great! • Reduced fees for Green Standard builds would be great. • Support making it easier for sustainable designs including requiring water collection and solar. • Investigate ground source heat pumps. • Action 51 - air conditioners are heat exchanger. All heat taken way from inside a building are released outside and increase outside temperature - good insulation, reflective windows light coloured exterior (walls and roof) will minimise the heat to be removed from inside. If current building max energy usage is established and the appropriate amount of solar and wind generation fitted then current air conditioners will be suitable and not cost the ratepayers extra for new air conditioning units prematurely. • We generally support the broad intent but suggest a level of discipline is required to prioritise areas where MDC can add value;

SUBMITTER COMMENTS ON BUILT ENVIRONMENT GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON BUILD ENVIRONMENT ACTIONS [some answers may have been shortened or paraphrased for brevity]
	and we caution again that any proposals for Council assistance (e.g., for heat pumps) be tested against equity for the wider ratepayer base. <ul style="list-style-type: none"> • Temporary assets may be a false economy if councils fails to ensure they maximise opportunities for resilience. Temporary structures often have long lives.

SPECIFIC NEW IDEAS The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.
<ul style="list-style-type: none"> • Subsidies/incentives for clubs/business etc to better insulate their premises. • Help people to afford to insulate their homes. NZ homes are so cold • Homeowners (and businesses) be incentivised to install/retrofit better -than-required energy saving features. I.e rates rebate ratio for every dollar spent on triple glazing, home water storage, solar etc perhaps a proportion knocked off rates. • Good to see reduced prices potentially for green build. However, with all the sub divisions and building occurring, how much of this can be undertaken without diesel powered plant and equipment? TRUE green initiatives would say no more building until we find a way to do it without increasing emissions in the process. Seems to be a dichotomy here for the council. • Putting emissions reduction at the TOP of all MDC decisions is one of our “single most important” steps for MDC to take. • Put a restriction on dark coloured roofs. In Darwin ? Northern Territories the town temperature in summer was reduced substantially by using white stone chip in roads and paths and painting all roofs a light colour. If heat reflected instead of absorbed at ground level air temperature remains much lower. A covered walkway will not make it colder only shadier. Reducing heat sinks is best way to keep temperatures low. • The banning of the use of coal for all domestic use. The effects of coal burning are unpleasant in built up areas as well as contributing to smog and of course greenhouse gasses. • Willow at Homebush WWTP for permanent carbon sink as biochar. • Water tanks and solar panels should be made mandatory in all new buildings, residential & commercial with the Council incentivising the instalment of the same on existing buildings. Council should continue to engage with government on making these mandatory nationwide. • Reduce barriers to tiny homes and make them easier to get consent for, especially those that are fully self-sufficient e.g. with composting toilet and solar. Maybe even provide council land for a tiny home park to provide a housing option for those who cannot afford to buy in the current market.

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- From 1st September 2022 no coal fires will be allowed in Masterton.

Theme Seven – Natural Environment

How we protect our native biodiversity through climate solutions.

Short summary of feedback

Goals received overall mixed feedback, and the actions were supported overall.

Several submitters commented on the need for pest reduction in relation to forest health (and thus the ability of parks/reserves to sequester and store carbon). One submission wanted to see links between the climate plan and the soon-to-be-finalized National Policy Statement on Indigenous Biodiversity (NPS-IB). Many submissions were supportive and some highlighted the need for funding for the actions.

Concerns around SNAs and weed spraying were noted by several submitters. One submitter wanted more shade, green spaces and nature corridors. One submitter thought that existing public spaces would already be low-emission, while another had concerns over the cost effectiveness of the actions. One submitter wanted public education on environmental impacts of domestic cats and suggested bell requirement or investigating ways to measure their impact on birds.

Analysis

Natural Environment goals

Goal
Enhance the capacity of the natural environment to sequester carbon and protect indigenous biodiversity from the impacts of climate change.
Sub-goals
- Masterton District Council supports legal protection of key biodiversity hotspot sites that will be important in helping our native flora and fauna to adapt to climate change.
- Masterton District Council supports community-led initiatives that enhance our natural environment in ways that provide more resilience to climate change for our native flora and fauna.
- Masterton District Council investigates ways to make our public spaces low-emission or carbon negative.

Natural Environment goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	43%	0%	0%	57%

Natural Environment actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	60%	0%	20%	20%

Natural Environment actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
A78: Council to create a Climate Data Hub so that the District's climate change data and information is available to the public in one online space.							
A78	77.8%		22.2%		Yes	Yes	Majority support.
A79: Council to create a carbon map for the District to show where sequestration is occurring and may be enhanced (e.g. wetlands, local forestry).							
A79	62.5%	12.5%	12.5%	12.5%	Yes	Yes (edited)	Majority support.
A80: Council to create a map of climate risks for the District (floods, drought, storms, sea level rise, heat stress, invasive/toxic species).							
A80	85.7%		14.3%		Yes	Yes (combine with 24/25)	Majority support. Change text to reflect merging actions.
A81: Council to identify options for reducing risk from flooding, including riparian planting, stop banks, restrictions on building. Also in 'water' section.							
A81	87.5%		12.5%		Yes	NO Yes (combine with 35)	Repeat action. Majority support.
A82: Council to support initiatives to preserve and enhance natural carbon sinks, such as wetland and regenerating forest.							
A82	75%	12.5%	12.5%		Yes	Yes (combine with 90)	Majority support. Change text to reflect merging actions.
A83: Council to investigate how to make carbon zero parks and recreation spaces using international and domestic examples.							
A83	71.4%			28.6%	Yes	Yes	Majority support.

A84: Council and Greater Wellington Regional Council support the enhancement and legal protection (covenants) of our wetlands and forests.							
A84	71.4%	14.3%	14.3%		Yes	Yes	Majority support. Some concern around SNA's. Would need clear messaging.
A85: Council to ensure existing provisions and relationships to protect and enhance local biodiversity to address potential climate impacts.							
A85	60%		20%	20%	Yes	Yes	Majority support.
A86: Council to establish biodiversity corridors in rural areas (e.g. in between farmland and monocrop pine plantations to allow native flora and fauna to move around the District) to provide migration pathways and enhance resilience to climate impacts (e.g. wildfires).							
A86	66.6%			33.3%	Yes	No	GWRC responsibility.
A87: Council to include biodiversity corridors when (re)designing urban areas.							
A87	57.1%	14.3%		28.6%	Yes	Yes (edited)	Majority support.
A88: Council to investigate options to plant up council land to offset carbon emissions based on current research.							
A88	85.7%			14.3%	Yes	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.
A89: Council to advocate to Greater Wellington Regional Council for better water sampling data sharing and use and increasing the data points collected if needed to get a clear picture of the state of the District's rivers. Also in 'water' section.							
A89	66.6%			33.3%	Yes	Yes (combine with 37)	Repeat action. Majority support.
A90: Council to provide support to community groups who are interested in being involved in restoration projects (e.g. our wetland and forest areas).							
A90	77.8%	11.1%		11.1%	Yes	Yes (combine with 82)	Majority support. Change text to reflect merging actions.

A91: Council to continue to support Enviroschools and other community initiatives to provide environmental education programmes which incorporate lessons on climate change impacts and solutions.							
A91	62.5%	12.5%	12.5%	12.5%	Yes	Yes	Majority support.
A92: Council to help identify options to reduce the frequency of toxic blooms in waterways. Also in 'water' section.							
A92	85.7%		14.3%		Yes	No	Other actions could have bigger climate change reduction impact.
A93: Council to identify options for protecting native vegetation and planted forests from wildfires, including firebreaks, and selective planting of fire-resistant species.							
A93	85.7%			14.3%	Yes	Yes	Majority support.

SUBMITTER COMMENTS ON NATURAL ENVIRONMENT GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON NATURAL ENVIRONMENT ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Use only organic weed spray near rivers. • More shade, green spaces and nature corridors. • Supportive. • Work with other councils and DOC. • Spray less. Issue with spraying watercress which people want to harvest. • Concerns over cost effectiveness and whether parks are the most efficient use of time/money to focus on. • I don't see anything under this section to encourage subdivision owners or developers to plant trees and create open green spaces? Or is this already in the resource consent? • Thinks existing public spaces (parks/squares/reserves/streets will already be low emission • Concerned about SNAs 	<ul style="list-style-type: none"> • Agree with permanent forests on Council land, and with supporting local nurseries to scale up. • Wetland creation a good idea, especially for flooding. • Protecting/expanding natural areas is good. • Lobby central government to allow carbon credits for small on farm native plantings. • This is for central government to do. • Keen to be involved and fully support. • Tree, shrub and other plantings. Who is paying for these items? Who is paying for the extra staff to do it? And are there enough people available, both skilled and unskilled, to do the work? • We generally support the broad intent but recommend further prioritisation is needed.

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- Provide education at least on the impact of domestic cats on our nature birds. Perhaps require wearing of a bell or some such measure to reduce the impact?
- We applaud every goal, sub-goal, and action in this theme, and only request that the theme receive MUCH greater resourcing from MDC.
- Encouraging people to plant bird-friendly trees and plants in their gardens.
- Riparian planting along rivers/streams creates biodiversity and safe space for a native flora and fauna.
- Reducing browsing by deer and goats needs to be considered here. In established forest they strip trees of leaves, ring bark trees and kill seedlings thus reducing the forests ability to store carbon.
- Would like to see backyard trapping encouraged like in Wellington for reduced possums (which leads to healthier forests and more carbon sequestration).
- The role of green spaces in contributing to the physical and mental health of urban communities is well-recognized. Indeed, we understand that the soon-to-be-finalized National Policy Statement on Indigenous Biodiversity (NPS-IB) will encourage the planting of a minimum of 10% of towns in indigenous species. Having such a goal would be a great way of walking the talk on this Climate Plan and the LRA would like to continue working with Parks staff towards that end.

Theme Eight – Agriculture/Forestry

How we promote and support a low-emission transition in the rural sector by removing local barriers to action.

Short summary of feedback

Goals were supported overall, and the actions were not supported overall.

Federated Farmers (Wairarapa) recommend this section be deleted, cognisant of national initiatives underway. Several submitters also saw the actions as the role of central government rather than local government. Some people were supportive of the goals and actions, and one proposed a dual 'carrot and stick' approach to actions.

The resilience of food systems was a concern, and localised resilient food networks was posed as a new climate action. Highlighting success stories was proposed by several submitters. Farmer mental health support was mentioned in both written and oral submissions, with some submitters supporting having an action around this, while others thought it needed to be part of a wider mental health and climate change programme for the whole community.

Some submitters encouraged Council to work with existing industry programmes/experts and cautioned against reinventing the wheel on work that is already happening through other channels.

There were mixed comments around regenerative agriculture, both for and against. Supporting farmers to navigate the changes was a strong theme.

Analysis

Agriculture/Forestry goals

Goal
Remove local barriers to a transformative, low-emission primary industries sector.
Sub-goals
<ul style="list-style-type: none"> - Ensure council policy helps not hinders the transition to a low-emission primary industries sector. - Provide education and support to help our rural community adjust to this transition. - Promote regenerative agriculture methods to reduce carbon emissions and improve carbon storage in soils. - Introduce initiatives that build resilience within the primary sector. - Raise awareness of climate risks to agriculture and forestry.

Agriculture/Forestry goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	40%	10%	30%	2%

Agriculture/Forestry actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	25%	25%	50%	0%

Agriculture/Forestry actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
<p>A94: Council to meet with representatives of different forestry companies quarterly to discuss climate impacts on infrastructure e.g. increased storm damage. Assemble all relevant companies in the room at once (as done in Northland with the Wood Council) to discuss upcoming harvesting and the impacts on roads and other infrastructure in the District. Investigate forestry land rates and timing options of harvests. Look into if the rates forestry sector pays adds up to the road damage costs. Take guidance from this process happening in other regions.</p>							
A94	83.3%			16.7%	Yes	Yes (edited)	Majority support.

A95: Council to promote and celebrate good stories of what is already being done well in the District in the climate and primary industries space.							
A95	83.3%		16.7%		Yes	Yes (edited)	Majority support.
A96: Council to work with industry and government partners to determine current emissions and sinks in the District and monitor how they are changing to establish if the Climate Action Plan is effective.							
A96	75%		25%		Yes	No	Not within current staff expertise and/or capacity. More relevant to GWRC.
A97: Council to encourage diversified tree planting for timber, so that planting and milling is not limited to the Pinus radiata (radiata pine) cycle.							
A97	83.3%			16.7%	Yes	No	More relevant to GWRC.
A98: Council to draw on extensive local expertise to offer workshops on regenerative farming practices. The science is well established and there is a wealth of local knowledge (e.g. Earth School).							
A98	85.7%		14.3%		Yes	No	More relevant to GWRC.
A99: Council to promote initiatives within the forestry sector that reduce carbon emissions. Encourage the use of mobile chippers and connect businesses that use wood chips for biofuels with forestry companies.							
A99	83.3%			16.7%	Yes	No	More relevant to GWRC.
A100: Council to foster a 'right tree, right place, right time' culture of tree planting in the District. Ensure Council staff are well briefed to advise farmers on tree planting and Emissions Trading Scheme (ETS) credit availability for farm planting.							
A100	80%			20%	Yes	Yes	Majority support.
A101: Council to support farm-based and community tree planting by helping local native tree nurseries to scale up or become established and sourcing funds for tree purchases, planting and maintenance.							
A101	83.3%		16.7%		Yes	Yes	Majority support.

A102: Council to work with national level (e.g. He Waka Eke Noa) and regional level (Greater Wellington Regional Council) agencies to upskill farmers and foresters on climate hazard mitigation (floods, drought, storms, wildfires, invasive species, heat stress, fewer frosts, etc.). One way to meet with farmers is through the catchment groups which have traditionally looked at flood control, and these could be expanded to look at broader climate hazards. He Waka Eke Noa (HWEN) is the primary sector climate action partnership aimed at reducing emissions and building resilience.

A102	66.6%		16.7%	16.7%	Yes	No	Widen to include hazard/impact education for all the community. Change text to reflect this. New text suggestion: [Hazard mitigation and Council/ community response (to floods, drought, storms, wildfires, invasive species, heat stress, fewer frosts, etc).]
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A103: Council to collaborate with local Health NZ (formerly District Health Board) teams to address mental health issues within the farming sector, who suffer the challenges of climate change impacts at the same time as navigating how to reduce their own climate pollution.

A103	42.8%	14.0%	42.8%		Mix (even split)	Yes (modified)	Widen action to include mental health for all the community, not just farming sector. Change text to reflect this. New text suggestion: [Council to collaborate with local Health NZ (formerly District Health Board) teams to provide public information on support available for climate change related mental health issues.]
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SUBMITTER COMMENTS ON AGRICULTURE/FORESTRY GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON AGRICULTURE/FORESTRY ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Central government role not local government • Supportive of education. Need carrot and stick approach. Regenerative agriculture makes for better food. • Will be hard but must be done as part of systemic solution. • Central government role not local government. • Sees it as the job for Ministry of Agriculture [now known as MPI] - ask them why it is not having funding put into it. • Excellent goal, sub-goals and actions. • Thinks farm machinery is the only contributor to carbon emissions due to interpretation of carbon cycle. 	<ul style="list-style-type: none"> • Support moving logs by rail. • Reducing emissions in agriculture space wont impacting climate so shouldn't add these burdens to primary producers. These actions put money in picket of financial institutions and consultants, and add cost to ratepayers through more staff being needed to monitor/control/analyse environment. • Supportive of some points and advises council to work with industry experts instead for other points. • Believe any rates related penalties for logging truck road damage need to be well thought out, and could be unjustified due to very little use or impact for very long periods of time. • Forestry industry will really struggle without fossil fuels!!

SPECIFIC NEW IDEAS The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.
<ul style="list-style-type: none"> • Show the good stories in Agriculture in our region (e.g. Fernglen farms) and provide incentives for those doing it right and education for those who see it as too hard. • We feel that the mental health burden of mitigating climate change while simultaneously suffering its impacts is shared between all sectors of our community. Therefore, Action #103 could be moved to the Community Empowerment theme, sub-goal #3, and brought under/alongside Action #112, as part of a holistic and coordinated approach to all of our communities' mental health and well-being. • We particularly applaud Actions #97, 100, and 101, effectively encouraging planting of non-pine species. As one of NZ's main sequestration-planting areas, the Wairarapa has a lot to gain from finding ways to bridge the profit-gap between planting pine versus other species, including natives, and/or restoring native bush. • The focus should be on mimicking/using natural cycles, changing grass/pasture types, encouraging ways of working that are not reliant on chemical supports.

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- I support the transition to low-emission GHG intensity food & fibre production, agriculture needs to be sustainable and profitable for farmers and NZ. The use of term Regenerative Agriculture in the goals ignores other sustainable and profitable farming production systems possible in the Wairarapa. The term Regenerative Ag is not a clearly term and doesn't include all sustainable farming practices. I think the term Regenerative Agriculture should be replaced with the term Sustainable Agriculture in Section 8 under sub-goals.
- Federated Farmers (Wairarapa) question the added value of the various actions proposed in this section, and whether these are core competencies of Council (e.g., advising farmers on tree planting): We recommend this section be deleted, cognisant of national initiatives underway (and reiterate our offer to meet with Council to discuss these).

Theme Nine – Community Empowerment

How we ensure our plan doesn't increase current inequities in our district but helps build a more resilient and fair community.

Short summary of feedback

Goals were supported overall, and the actions received overall mixed feedback.

Several submitters commented that this theme should be the first theme listed and prioritised. Some submitters discussed that intergenerational equity and mana whenua involvement need more consideration. Some were worried about what type of education would be given to the community around climate change, whether they would agree with the narrative used or if it would be too extreme or 'whacky'. One submitter thought that young people needed to see the costs and problems with implementing their ideas.

Community reference group had support, though some submitters were worried about how it would be funded and the types of people that would be selected. One submission suggested it took on the role of a localised version Climate Change Commission and should be well-resourced, and that it should be truly representative of the community, including Māori, disabled people, and youth.

Some submitters talked about building on work and projects that already exist in the community and highlighted the importance of tapping into existing networks/maintaining relationships with key stakeholders. Suggestions were given about funding the development of plans and having the right people lead projects.

Analysis

Community Empowerment goals

Goal
Building mana-enhancing relationships to support connected communities to be more resilient to climate impacts. Encourage the community to take ownership of the Climate Action Plan to ensure local support for its implementation.
Sub-goals
<ul style="list-style-type: none"> - Build empowered community networks that help to sustain the Climate Action Plan and other initiatives, whilst informing future action plans. - Provide meaningful support to community change projects that inform, educate and inspire climate action. - Implement actions to reduce the impacts of climate change on health and well-being.

Community Empowerment goals feedback

	Supportive	Mixed	Not supportive	Other
Total percentage	42.9%	21.4%	21.4%	14.3%

Community Empowerment actions feedback (medium form responses)

	Supportive	Mixed	Not supportive	Other
Total percentage	20%	60%	20%	0%

Community Empowerment actions feedback (long form responses)

Action #	Support	Mixed	Not support	Other	Overall result	Staff proposed shortlist of actions	Reason
A104: Council to incorporate climate change (mitigation and adaptation) considerations into future community development projects.							
A104	75%		25%		Yes	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.
A105: Council to identify, support, and facilitate events to share climate change messages.							
A105	42.8%	14.3%	14.3%	14.3%	Yes	No	Other actions could have bigger climate change reduction impact.

A106: Council to develop a public education programme to engender community support for the Climate Action Plan implementation. Make connections to individuals that are locally framed - 'X is changing, and it has affected our community in these Y & Z specific ways'.							
A106	66.6%	33.3%			Yes	Yes	Majority support.
A107: Council to use social media/ comms to highlight success stories and achievement of Climate Action Plan milestones.							
A107	66.6%	16.7%		16.7%	Yes	Yes	Majority support.
A108: Council to establish an independent Climate Reference Group within three months of the plan being adopted. The Climate Reference Group will identify key challenges, evaluate best practices, identify funding priorities (annually), and recommend revisions. It should be made up of community members from different parts of our district.							
A108	57.1%	14.3%		28.6%	Yes	Yes (edited)	Majority support.
A109: Council to support Climate Action Plan outcomes specific to vulnerable communities, providing consistent messages through regular channels and consultative processes.							
A109	50%			50%	Mix (yes/ other)	Yes	Supported. New text suggestion.
A110: Council to provide a climate change community fund that groups can access to implement climate actions and support zero-emissions community initiatives as opportunities arise. The Fund could use different categories for project selection including education, mitigation, adaptation, art, and activism.							
A110	66.6%		33.3%		Yes	Yes (combine with 115)	Majority support. Change text to reflect merging actions.
A111: Council to take account of cultural values when considering the impact of climate change and when proposing solutions to climate change.							
A111	60%			40%	Yes	Include in next CCERP	More suitable to next iteration of MDC Corporate Carbon Emission Reduction Plan.

<p>A112: Council to study the potential health and wellbeing implications of climate change in the District, in preparation for future action planning and resilience-building activity. Working with healthcare and community groups, Council to undertake a research project to understand the potential health and wellbeing impacts of climate change in the District. The research should utilise global and local evidence bases, trends and forecast data. The information should be used to better understand what resilience means in practice for the communities of the District. Focus on heat stress / flood resilience / water shortage / water contamination / invasive pests and diseases.</p>							
A112	66.6%		16.7%	16.0%	Yes	Yes	Majority support.
<p>A113: Council to use Climate Change fund to subsidise heat pump installation, rain-water tanks, water-testing kits, invasive pest control, etc.</p>							
A113	77.8%		11.1%	11.1%	Yes	No	Repeat action.
<p>A114: Council to fund local groups to develop educational material relating to climate change and promote them in the community.</p>							
A114	66.6%		16.7%	16.7%	Yes	Yes (edited)	Majority support.
<p>A115: Council to support a range of grassroots, innovative programmes that will support climate action.</p>							
A115	57.1%	14.3%	14.3%	14.3%	Yes	Yes (combine with 110)	Majority support. Change text to reflect merging actions.
<p>A116: Council to help set up a forum for the voice of youth to be heard on climate related issues. Council to form a council funded climate change youth group with an event yearly (could be linked in with youth council).</p>							
A116	55.6%		22.2%	22.2%	Yes	Yes (edited)	Majority support. Change text to reflect merging actions.
<p>A117: Council to support intergenerational groups where climate action can be fostered.</p>							
A117	55.6%		22.2%	22.2%	Yes	No	Action intent already included in other actions.

A118: Council to encourage individuals, whānau (family), schools, groups, businesses to establish their carbon footprint and to monitor how their climate actions serve to reduce their footprint. Council to support events to help groups determine their carbon footprints.

A118	57.1%			42.8%	Mix (leans yes)	Yes (edited)	Majority support. Change text to reflect merging actions.
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SUBMITTER COMMENTS ON COMMUNITY EMPOWERMENT GOALS [some answers may have been shortened or paraphrased for brevity]	SUBMITTER COMMENTS ON COMMUNITY EMPOWERMENT ACTIONS [some answers may have been shortened or paraphrased for brevity]
<ul style="list-style-type: none"> • Football club waste an issue. • Talk to everyone about climate change and leave it to the individuals if they want to join the conversation. • Involve local iwi and those who work with low-socio economic groups. • Don't need a community empowerment section at all. • Vital for success. • Plan needs more intergenerational equity and te ao māori worldview. • Concerned about what groups would be funded and whether they had 'whacky' ideas about climate change. Also worried about the cost. • Very supportive and think it should be a top priority. • Fully supportive of goal and keen to partner with MDC to provide some community voice. • Too expensive. • Worried about deserts. • Our young people have great ideas, let's involve them (and get them on council even!). Māori representation is so important in understanding what this whenua was and what it can become. 	<ul style="list-style-type: none"> • Need to emphasise quipping/educating/empowering community rather than having too many Council-led actions. • Supportive of empowering people. • Supportive of climate change fund. • Role of other agencies, don't duplicate. • A 'public education programme' seems pretty top-down. Action 115 first steps - look at what is already happening in the community and start by enabling these initiatives to grow and build capacity in sustainable ways. • Action 106 - No fear-based education please. It is not good for health and wellbeing of people or business. • [Action]108 - CR group better contain people who can think outside the square and work well together or we are doomed. • We recommend disciplined prioritisation is required, e.g., in respect of the following ideas: Action 108: Establish an independent climate reference group, Action 110: Provide a climate fund for, inter alia, art and activism, Action 113: Use the climate fund to subsidise heat pumps, rain tanks, water testing kits, invasive pest control.

SPECIFIC NEW IDEAS

The following are new ideas from submitters that were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

- I recommend the establishment of an Environment Centre to resource and equip individuals and groups wanting to get involved.
- It would also help to have a small publication on the Climate Change problem and its causes that could be supplied to groups getting the funding so that they can focus on the real causes of Climate Change in their initiatives.
- The establishment of a [youth] forum alone could lead to division and disappointment. It is important that this should be linked to a climate change project so youth can see the costs and problems of implementing their ideas.
- This theme should be first, not last, in both order and priority.
- We strongly urge MDC to support climate change education in all our local communities.
- The Community Reference Group should be the key to success of the Climate Action Plan. For that, the Group must be: Truly independent, truly representative, including Māori, disabled people, and youth, Well-resourced with expert support, genuinely influential, producing a cycle of plans, “report cards”, and recommendations that MDC is required to consider and expected to follow barring exceptional reason (similar to the relationship between NZ’s Climate Change Commission and Government).
- There are two key drivers for this, having the right people to lead the change and having the funds to develop and support change plans. This is a long-haul project and cannot rely on volunteer input alone.
- Specific targets needed e.g. increasing number of native bird species.
- Having a visual display that tracks emissions as an area.
- Investigate impact of poor air quality due to winter fires on health, particularly the respiratory health of our most vulnerable.
- Linking waste and emissions reductions together under the circular economy banner creates a coherent story about how we can change. It is a major transition for most people to shift to a low carbon lifestyle. It is a long-term, relationship-based process. The best people to learn something new from are the people that speak your language, live in your community and are in it for the long haul.

New actions to consider as suggested by submitters

The following table lists proposed new actions that were suggested by submitters. The ideas were either not included in the actions that Council consulted on or were expanded beyond the original intent of a consulted-on action or goal. Some answers may have been shortened or paraphrased for brevity.

New actions suggested by submitters	Reason
<ul style="list-style-type: none"> • Making safe spaces for people to shelter in days of extreme heat. 	Heat stress is especially concerning for vulnerable communities (elderly, children etc) and should be considered within the district’s

	emergency response planning. A proactive approach could help mitigate some of the loss of life from extreme heat events, as recently seen in Europe/North America.
<ul style="list-style-type: none"> Investigating biochar opportunities at the Homebush WWTP site. 	Detailed proposal submitted by Sustainable Wairarapa and deemed worthy of investigation.
<ul style="list-style-type: none"> Pest eradication initiatives to support healthy native forests. 	Pest eradication is an effective way to support native ecosystems to cope with climate change.
<ul style="list-style-type: none"> Education on importance of resilient local food networks. 	Having resilient food systems was mentioned as a solution to climate change by many submitters.
<ul style="list-style-type: none"> Education on risks posed to food systems by climate change. 	The resilience of food systems was a concern for many submitters.
<ul style="list-style-type: none"> Investigating opportunities to encourage bike repair/second hand bike initiatives. 	The action around subsidising bikes for community service card holders was unpopular but several people suggested the alternative of a second-hand bike and/or bike repair programme that is in place in other areas.
<ul style="list-style-type: none"> Investigating ways to make Queen Street more pedestrian friendly. 	An idea that was mentioned by several submitters was to pedestrianise Queen Street and others mentioned to make streets more safe/pedestrian friendly. This action would investigate options for doing so in the Masterton town centre.
<ul style="list-style-type: none"> Advocate to GWRC for an on-demand bus service trial. 	The on-demand bus idea was suggested by several submitters, based on trials happening in other parts of the country including Tawa (WCC) and Timaru (https://www.mywaybymetro.co.nz/).

4.2 Officers Advice

This section covers the proposed new theme areas, goals, and potential shortlist of actions. In particular:

- Comparison of the old and proposed new themes areas
- Proposed new goals in line with proposed new themes areas.
- Proposed actions to keep under the potential new theme areas.

Officers' advice is based on feedback Council received as part of the consultation period and doing another considerations check in with technical officers across the business.

Supporting Information

See Appendix Six – actions not to include in final list and not to include next iteration of CCERP.

Proposed new theme areas

The following table provides a list of the original nine themes that were consulted on, proposed themes going forward, and the rationale for these proposed changes.

Original theme areas consulted on (nine)	Proposed new themes areas (four)
1) Coordinated Regional Approach - how we take a coordinated and strategic approach to climate change in the Greater Wellington Region.	1) Community Empowerment - Council to promote community leadership - Council to support community initiatives - Council to facilitate climate change education
2) Transport – how we move around the district using less climate-harming emissions.	2) 20-minute Town
3) Energy/Electricity – how we power our homes and businesses through renewable energy.	- Cycling - Walking, wheelchairs, prams, scooters- - Public Transport - Electric Vehicles (EVs)
4) Water – how we adapt to increasing severe floods, droughts, storms, and changes in precipitation rates.	3) Circular Economy
5) Waste & Circular Economy – how we reduce our consumption and repurpose old items.	- Green, organic, and food waste - Circular economy principles - Building/infrastructure waste
6) Built Environment – how we design and retrofit for low-emission construction and create infrastructure that is resilient to climate impacts.	4) Climate Resilient District (built infrastructure, productive landscapes, and natural environment)
7) Natural Environment – how we protect our native biodiversity through climate solutions.	- Energy transition - Emergency response - Public spaces
8) Agriculture & Forestry – how we promote and support a low-emission transition in the rural sector by removing local barriers to action.	- Building construction/retrofit - District mapping - District planning - Productive landscapes
9) Community Empowerment – how we ensure our plan does not increase current inequities in our district but helps build a more resilient and fair community.	- Biodiversity and ecosystem health
	It is proposed that actions which are specifically focused on internal council emissions reductions will be added into next version of the Corporate Carbon Emissions Reduction Plan (2023-2025).

Reasons for changes to themes

Officers are proposing that Council reduces the number of themes from nine to four.

From the original nine themes, officers propose that three themes are kept in a similar format:

- Community empowerment (with expanded public education actions)
- Transport (kept the same with a name change to '20-minute Town')
- Waste and Circular Economy (kept the same with a name change to just 'Circular Economy')

Officers are proposing that the other six original themes (Coordinated Regional Approach, Energy/Electricity, Water, Built Environment, Natural Environment, Agriculture & Forestry) are merged into a 'Climate Resilient District' theme.

Details on the proposed four themes are included below.

Community Empowerment

In terms of an overall 'order' to the themes, there were submissions that recommended putting community empowerment as the first theme.

There were public education actions under each of the original nine themes, and these actions could be grouped and included in a new education part of the community empowerment section.

20-min town

Submissions discussed active/public transport not being relevant to rural areas, so this change focuses the actions specifically on the Masterton urban area and adapts the internationally recognised '20-minute neighbourhood' concept pioneered in Melbourne, Australia. The 20-minute neighbourhood concept is a planning tool which aims to create accessible, safe, and attractive local areas where people can access most of their everyday needs within a 20-minute walk, cycle or local public transport trip, allowing them to rely less on personal motor vehicle.

Circular economy

The Waste and Circular Economy theme would remain the same under these proposed changes, with the theme name changing to 'Circular economy'.

Climate Resilient District

Significant number of submissions worried about climate change induced or exacerbated hazards, and concerns around the ability of current district infrastructure to cope with the changes. Climate Resilient District theme created to bring all of those actions together and focuses on the resilience of three main areas - built infrastructure, productive landscapes, and natural environment.

Forest360 suggested the Council to work with current industry and government groups already specialising in the Agriculture/Forestry space. Federated Farmers suggested removing the Agriculture/Forestry section due to the changing nature of national level policy in this space. Some submitters suggested Greater Wellington Regional Council and industry groups are better placed to undertake actions from this section. Officers recommend having a 'productive landscapes'

section under the Climate Resilient District theme to capture actions that would still be useful to include such as instigating regular meetings with forestry sector to discuss harvest timing and road upkeep.

Coordinated regional approach is needed for creating a resilient district and therefore this section could be merged into the proposed new Climate Resilient District theme.

Proposed new goals

For each of the nine theme areas consulted on, an overarching goal and sub-goal(s) were provided for comment (found in Appendix five). As outlined in the submission analysis section of this report, eight of the nine goals/sub-goals areas received majority support. The natural environment section was split between support and ‘other’ in the responses, where other means that respondents did not give explicit indication of support or not, but instead provided new suggestions or thoughts on other matters.

Following on from the recommendations to reduce the themes from nine to four, the following table outlines an amended set of goals.

Proposed new theme	Proposed goal/sub-goals	Comments
COMMUNITY EMPOWERMENT	GOAL – Building mana-enhancing relationships to support connected communities to be more resilient to climate impacts.	NO CHANGE Retained original goal. Positive submission feedback on this goal.
	Sub-goals - Encourage the community to take ownership of the Climate Action Plan to ensure local support for its implementation. - Build empowered community networks that help to sustain the Climate Action Plan and other initiatives, whilst informing future action plans. - Provide meaningful support to community change projects that inform, educate and inspire climate action. - Implement actions to reduce the impacts of climate change on health and well-being.	NO CHANGE Retained original sub-goals. Positive submission feedback on these sub-goals.
20-MINUTE TOWN	GOAL – Increase uptake of low-emission, active and public transport options in the Masterton District so that community/suburb hubs are accessible within 10 minutes for all urban	PROPOSED AMENDMENTS Retained original goal. Positive submission

Proposed new theme	Proposed goal/sub-goals	Comments
	residents.	<p>feedback on this goal.</p> <p>Propose to expand the goal further to include a description of the 20-minute town concept to reflect the proposed new framing of this theme.</p>
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Masterton District Council reduces its own organisational carbon footprint from transport. - Masterton District Council supports the community to transition to low-emission transport. - Improve the public transport network (buses, shuttles, and trains). - Masterton District has well designed streets and roads that minimise transport emissions. - Improved active transport networks (footpaths, cycleways, and walking tracks) to encourage alternatives modes of transport. 	<p>NO CHANGE</p> <p>Retained original sub-goals. Positive submission feedback on these sub-goals.</p>
CIRCULAR ECONOMY DISTRICT	<p>Goal</p> <ul style="list-style-type: none"> – Reduce Masterton District’s contribution to methane emissions from landfills. 	<p>NO CHANGE</p> <p>Retained original goal. Positive submission feedback on this goal.</p>
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Keep green waste and organic waste out of landfills to reduce methane emissions. - Masterton District Council is a role model and educator about reducing waste in the district. - Masterton District Council supports climate outcomes within local waste reduction initiatives. 	<p>NO CHANGE</p> <p>Retained original sub-goals. Positive submission feedback on these sub-goals.</p>
CLIMATE RESILIENT DISTRICT	<p>GOAL</p> <ul style="list-style-type: none"> – Ensure the resilience of our district infrastructure, productive landscapes, and natural environment from current and future climate change exacerbated hazards (floods, droughts, heavy precipitation events, strong wind, landslides, heat stress, wildfires). 	<p>PROPOSED AMENDMENTS</p> <p>Expanded overarching goal to reflect the proposed new framing of the proposed new theme.</p>

Proposed new theme	Proposed goal/sub-goals	Comments
	<p>Subgoals</p> <ul style="list-style-type: none"> - Masterton District has transitioned to zero-emissions energy sources. - Masterton District Council has plans for increasingly severe hazards/risk (floods, droughts, storm events). - Reduce carbon emissions related to creating and maintaining infrastructure (including buildings) and ensure infrastructure is designed to withstand climate impacts. - Masterton District has biologically healthy rivers which provide for our local communities, and our flora and fauna. - Masterton has access to enough water to service a growing population. - Masterton District Council has a clear picture of the health of the district's rivers, including what parts are improving and what parts need urgent attention, and the Masterton community has a clear understanding of what work is being done to improve them. - Enhance the capacity of the natural environment to sequester carbon and protect indigenous biodiversity from the impacts of climate change. - Masterton District Council supports legal protection of key biodiversity hotspot sites that will be important in helping our native flora and fauna to adapt to climate change. - Masterton District Council removes any local barriers to a transformative, low-emission primary industries sector. - Connected regional approach to mitigating and adapting to climate change which allows for knowledge sharing and uses Council resources/staff capacity wisely. - Utilise the current and future regional projects to feed into council decision making around climate change mitigation and adaptation. 	<p>PROPOSED AMENDMENTS</p> <p>Combined/merged goals and sub-goals from the original Energy/Electricity, Natural Environment, Built Environment, Agriculture and Forestry, Water, and Coordinated Regional Response themes to reflect the proposed new framing of this proposed theme.</p>

4.3 How it all could fit together

The following section details how the proposed amendments could ‘fit together’ to form a final climate change action plan. This will be done by grouping each theme with a theme descriptor, proposed new goal/s, sub-goals, and proposed action categories. Detail has been provided on implementation/funding pathways for each proposed action.

Theme 1) Community Empowerment

New theme one	Community Empowerment
Description	A climate change aware community, empowered and supported to act. How we ensure our plan does not increase current inequities in our district but helps build a more resilient and fair community.
Goal	Building mana-enhancing relationships to support connected communities to be more resilient to climate impacts.
Sub-goals	<ul style="list-style-type: none"> - Build empowered community networks that help to sustain the Climate Action Plan and other initiatives, whilst informing future action plans. - Provide meaningful support to community change projects that inform, educate and inspire climate action. - Implement actions to reduce the impacts of climate change on health and well-being.
Action categories	<ul style="list-style-type: none"> - Council to promote community leadership - Council to support community initiatives - Council to facilitate climate change education

ACTIONS - Council to promote community leadership

Action	Implementation/funding considerations
<p>[Action 108 edited] Council to establish a Masterton District Climate Advisory Group in the new triennium.</p> <p>The community Climate Advisory Group will provide community input about climate issues to be considered as part of council’s decision-making processes. This advisory group will provide advice to support the implementation of the Masterton District Climate Action Plan.</p> <p>It will be made up of community members from different parts of our district as well as 1-2 elected member appointments.</p>	<p>A terms of reference will need to be developed for council consideration in the new triennium. This will include developing a process for appointments.</p>
<p>[Combined Actions 115/110] Council to provide a designated climate change community fund</p>	<p>\$50,000 has been budgeted in 2022/23 to be allocated to the community via a contestable</p>

Action	Implementation/funding considerations
<p>that community groups can access to implement their own local-level climate actions.</p> <p>The Fund could use different categories for project selection including education, mitigation, adaptation, art, and activism.</p>	<p>funding process.</p> <p>Funding criteria, application form, assessment process, and administration of this Fund will be progressed as part of the Year 1 of the implementation plan.</p>
<p>[116 edited] Youth Council to host a youth climate forum for Wairarapa rangatahi (idea of two-year trial).</p>	<p>A business case to support a youth climate forum could be developed for consideration as part of the 2023/24 Annual Plan process (or 2024-34 Long-Term Plan process).</p> <p>External funding opportunities will also be explored.</p>
<p>[Action 54 edited] Council to use the development of the Youth Hub to investigate potential for low-emission infrastructure and renewable energy generation on Council assets. Ideas for further investigation could include installing solar panels with interactive display to use as a teaching tool and installing water conservation equipment and a composting toilet.</p>	<p>The current build and budget does not currently allow for low-emission infrastructure and renewable energy.</p> <p>External funding could be applied for to undertake retrofitting (e.g., installation of solar panels) at a later stage.</p>
<p>[Action 107] Council to use social media/ comms to highlight success stories and achievement of Climate Action Plan milestones.</p>	<p>Develop Communications and Engagement Plan in 2022/23.</p>
<p>[Action 95 edited] Council to promote and celebrate good stories of what is already being done well in the district in the climate change space.</p>	<p>Develop Communications and Engagement Plan in 2022/23.</p>
<p>[Action 109] Council to support Climate Action Plan outcomes specific to vulnerable communities, providing consistent messages through regular channels and consultative processes.</p>	<p>Develop Communications and Engagement Plan in 2022/23.</p>

ACTIONS - Council to support community initiatives

Action	Implementation/funding considerations
<p>[ADDED] Investigate biochar proposal for land at Homebush WWTP.</p>	<p>More in-depth business case to be developed, and when this work could commence.</p> <p>A business case for funding could be developed</p>

Action	Implementation/funding considerations
	as part of the Long-Term Plan 2024-34 if cost/benefit makes project viable.
<p>[Combined Actions 82/90] Masterton District Council to investigate providing support to community-led initiatives that enhance our natural environment in ways that provide more resilience to climate change for our native flora and fauna, and initiatives which preserve and enhance natural carbon sinks, such as wetland and regenerating forest.</p>	<p>Provide non-financial support to community groups. Examples could include:</p> <ol style="list-style-type: none"> 1) promotion through Council communication channels 2) staff time (e.g. Community Development team providing support with event planning/writing grant application/proposals). <p>More in-depth business case would be developed if needed on case by case basis.</p> <p>A business case for council funding opportunities could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes the project viable to financially support.</p>
<p>[ADDED] Support Pest free initiative (strong native forests are carbon sinks, pests kill forests).</p>	<p>Provide non-financial support to community groups. Examples could include:</p> <ol style="list-style-type: none"> 1) promotion through Council communication channels 2) staff time (e.g. Community Development team providing support with event planning/writing grant application/proposals). <p>More in-depth business case would be developed if needed on case-by-case basis.</p> <p>A business case for council funding opportunities could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes the project viable to financially support.</p>
<p>[Action 91] Council to continue to support Enviroschools and other community initiatives to provide environmental education programmes which incorporate lessons on climate change impacts and solutions.</p>	<p>Continued funding support (via MoU arrangement) for Enviroschools.</p> <p>Provide non-financial support to community groups. Examples could include:</p> <ol style="list-style-type: none"> 1) promotion through Council communication channels 2) staff time (e.g. Community Development team providing support

Action	Implementation/funding considerations
	with event planning/writing grant application/proposals).
<p>[Action 118 edited] Council to support events that encourage individuals, whānau (family), schools, groups, businesses to establish how they are personally contributing to the problem of climate change and collaboratively work out ways to lessen their personal climate impact.</p>	<p>Provide non-financial support to community groups. Examples could include:</p> <ol style="list-style-type: none"> 1) promotion through Council communication channels 2) staff time (e.g. Community Development team providing support with event planning/writing grant application/proposals). <p>More in-depth business case would be developed if needed on case-by-case basis.</p> <p>A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes project viable to financially support.</p>

ACTIONS - Council to facilitate climate change education

Action	Implementation/funding considerations
<p>[Action 78] Council to create a public facing Climate Data Hub so that the District's climate change data and information is available to the public in one online space.</p>	<p>The creation of this data hub would need to be assessed against other priorities to determine when this work could commence.</p>
<p>[Action 106] Council to develop a public education programme to engender community support for the Climate Action Plan implementation. The information should be used to help the community better understand what resilience means in practice for the District.</p>	<p>Three Waters funding is being sought for a Climate Change Activator to support this workstream.</p>
<p>[ADDED] Council to expand, develop or support programmes of information on:</p> <ol style="list-style-type: none"> 1) Climate change science and impacts 2) Energy efficiency Council to provide residents and businesses with information for how they can convert to energy efficient lighting and heating products. 3) Hazard mitigation and Council/community response (to floods, 	<p>Three Waters funding is being sought for a Climate Change Activator to support this workstream.</p>

Action	Implementation/funding considerations
<p>drought, storms, wildfires, invasive species, heat stress, fewer frosts, etc).</p> <p>4) Waste and circular economy</p> <p>5) Benefits of public and active transport</p> <p>6) Low-emission building/construction/retrofitting/demolition</p> <p>7) Health impacts of climate change (physical and psychological)</p> <p>8) Localising food systems.</p>	
<p>[Action 61 edited] Embed circular economic principles to address construction and demolition waste.</p>	<p>Consider inclusion of circular economic principles with regard to construction and demolition waste for the following reviews:</p> <ul style="list-style-type: none"> - Wairarapa Solid Waste Management and Minimisation Bylaw 2021 - Wellington Region Waste Management and Minimisation Plan <p>Waste Minimisation staff to support wider education on this.</p>
<p>[Action 43] Council to provide education and alternatives to reduce the amount of people in rural areas who burn their household and farm waste.</p>	<p>Three Waters funding is being sought for a Climate Change Activator to support this workstream.</p>
<p>[Action 45] Council to provide public information around current recycling schemes for bale to stop the plastic being burnt and investigate ways to make the schemes more user friendly in the District.</p>	<p>Three Waters funding is being sought for a Climate Change Activator to support this workstream.</p>
<p>[Action 46] Council to promote home composting through education and workshops.</p>	<p>Three Waters funding is being sought for a Climate Change Activator to support this workstream.</p>
<p>[Action 50] Council to partner with organisations that are educating the community on the link between waste and climate change.</p>	<p>Three Waters funding is being sought for a Climate Change Activator to support this workstream.</p>
<p>[Action 58 edited] Council to provide access to information on low-emissions building.</p>	<p>Consideration needed for how/when action would be included within new or existing work programmes.</p>
<p>[Action 72] Council to encourage new builds to include effective climate control systems to allow for internal temperatures that can support health during heat waves.</p>	<p>Consideration needed for how/when it would be included within new or existing staff work programmes.</p>
<p>[Action 74] Council to promote and incentivise</p>	<p>Consideration needed for how/when action</p>

Action	Implementation/funding considerations
the certification of new domestic properties to performance standards that meet the requirements of the Healthy Homes Act (e.g., Passive House).	would be included within new or existing staff work programmes.
[Action 103] Council to collaborate with local Health NZ (formerly District Health Board) teams to provide public information on support available for climate change related mental health issues.	Three Waters funding is being sought for a Climate Change Activator to support this workstream.
[Action 112] Council to highlight potential health and wellbeing implications of climate change in the District, in preparation for future action planning and resilience-building activity. Working with healthcare and community groups, Council to share the potential health and wellbeing impacts of climate change in the District (based on global and local evidence bases, trends and forecast data).	Three Waters funding is being sought for a Climate Change Activator to support this workstream.
[ADDED] Importance of localised food networks as a climate action and as a wellbeing mechanism.	Consideration needed for how/when action would be included within new or existing staff work programmes.
[ADDED] Risks to food systems due to climate impacts, with a focus on heat stress / flood resilience / water shortage / water contamination / invasive pests and diseases.	Consideration needed for how/when action would be included within new or existing staff work programmes.
[Action 114 edited] Develop educational material relating to climate change and promote it in the community.	Consideration needed for how/when action would be included within existing staff work programmes.

Theme 2) 20-minute Town

The 20-minute neighbourhood concept is a planning tool which aims to create accessible, safe and attractive local areas where people can access most of their everyday needs within a 20-minute walk, cycle or local public transport trip, allowing them to rely less on personal motor vehicle.

New theme two	20-minute Town
Description	How we move around the district using less climate-harming emissions. Creating accessible, safe, and attractive local areas where people can access most of their everyday needs within a 20-minute walk, cycle or local public transport trip, allowing them to rely less on personal motor vehicles.
Goal	Increase uptake of low-emission, active and public transport options in the Masterton District so that community/suburb hubs are accessible

New theme two	20-minute Town
	within 10 minutes for all urban residents.
Sub-goals	<ul style="list-style-type: none"> - Masterton District Council reduces its own organisational carbon footprint from transport. - Masterton District Council supports the community to transition to low-emission transport. - Improve the public transport network (buses, shuttles, and trains). - Masterton District has well designed streets and roads that minimise transport emissions. - Improved active transport networks (footpaths, cycleways, and walking tracks) to encourage alternatives modes of transport.
Action categories	<ul style="list-style-type: none"> - Cycling - Walking, wheelchairs, prams, scooters. - Public Transport - Electric Vehicles (EVs)

ACTIONS - Cycling

Action	Implementation/funding considerations
[Action 3] Council to investigate active transport networks/cycleways to encourage alternatives modes of transport. Create cycle lanes or shared road/footpaths prioritising areas that connect to schools and recreation spaces, including a cycle network connecting Kuripuni/South, Town Centre, Masterton East, Masterton West, and Lansdowne. The network should connect in with the Wairarapa region's Five Town Trail Network cycling infrastructure project. (Council to lead local projects, and advocate to Waka Kotahi for State Highway sections.)	<p>A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes the project viable.</p> <p>Council to advocate for external funding (action dependent on significant external funding).</p> <p>Linkages to be made to connect any relevant existing projects and strategy implementation plans to ensure there is no lack of duplication with these workstreams.</p>
[Action 12] Council to advocate to Waka Kotahi and Greater Wellington Regional Council for the creation of safe cycle lane between main centres in Wairarapa along SH2 (for both commuters and recreation). The connected cycleway would be part of the Five Towns Trails Network but with a higher emphasis on commuter and local community recreation, rather than tourism.	Internal staff time/capacity available to prepare advocacy material.
[ADDED] Investigate opportunities to encourage bike repair/second hand bike initiatives	<p>More in-depth business case to be developed.</p> <p>A business case for funding could be developed</p>

Action	Implementation/funding considerations
	as part of the Long-Term Plan 2024-34 if cost/benefit makes project viable.

ACTIONS - Walking, wheelchairs, prams

Action	Implementation/funding considerations
[ADDED] Investigate options for a more pedestrian friendly Queen Street.	Action to be considered as part of the Town Centre Revamp project.
[Action 52 edited] Council to investigate opportunities for incorporating shade and covered walkways in design of public spaces. Council to encourage new or renovated commercial buildings in or near the town centre to incorporate shade and covered walkways over footpaths.	Action to be considered as part of the Town Centre Revamp project.

ACTIONS - Public Transport

Action	Implementation/funding considerations
[Combined Actions 6/7] Council to investigate needs of public transport users in partnership with Greater Wellington Regional Council to understand: <ul style="list-style-type: none"> - current and future needs of users - constraints/barriers for community to use public transport - potential incentives. Council to support pilot initiative(s) based on outcomes of this public transport study.	Initiate conversation with Greater Wellington Regional Council to discuss a pilot initiative. Pilot initiative - Council to advocate for external funding (action dependent on significant external funding).
[ADDED] Advocate to GWRC for an on-demand bus service trial.	Council to advocate for external funding (action dependent on significant external funding).

ACTIONS - Electric vehicles

Action	Implementation/funding considerations
[ACTION 4 edited] Encourage EV charging providers to add additional charging stations to the Masterton District, including at rural hubs such as schools and coastal settlements.	Internal staff time/capacity to facilitate traffic bylaw schedule amendments to allow for additional EV charging stations as requests by providers are made. This will include approval to replace existing car parks with the EV charging stations.

Theme 3) Circular Economy

New theme three	Circular Economy
Description	How we reduce our consumption and repurpose old items. How we embed principles of circular economy into our district at every level.
Goal	Reduce Masterton District's contribution to methane emissions from landfills.
Sub-goals	<ul style="list-style-type: none"> - Keep green waste and organic waste out of landfills to reduce methane emissions. - Masterton District Council is a role model and educator about reducing waste in the District. - Masterton District Council supports climate outcomes within local waste reduction initiatives.
Action categories	<ul style="list-style-type: none"> - Green, organic, and food waste - Circular economy principles - Building/infrastructure waste

ACTIONS - Green and food waste

Action	Implementation/funding considerations
[Action 40] Council to investigate support for local green waste mulching and composting services for the wider community.	<p>Provide non-financial support to community groups. Examples could include:</p> <ol style="list-style-type: none"> 1) promotion through Council communication channels 2) staff time (e.g. Community Development team providing support with event planning/writing grant application/proposals). <p>Three Waters funding is being sought for a Climate Change Activator to support this workstream.</p>
[Combine Actions 41/47] Council to investigate the best way to deliver domestic organic waste collection in the District. Council to support initiatives that collect organic waste from homes and businesses for composting.	<p>Council consulted on an organic waste collection as part of the Long-Term Plan 2018-28, with a result of not proceeding with this initiative.</p> <p>Council to re-visit this. Potential to be included as a consultation issue in the next Long-Term Plan.</p>
[Action 48] Council to investigate expansion of support for, or develop partnerships with,	Provide non-financial support to community groups. Examples could include:

Action	Implementation/funding considerations
existing or new programmes which redistribute surplus food from restaurants and supermarkets, such as Wai Waste.	<ol style="list-style-type: none"> 1) promotion through Council communication channels 2) staff time (e.g. Community Development team providing support with event planning/writing grant application/proposals). <p>More in-depth business case would be developed if needed on case-by-case basis if funding is needed.</p> <p>A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes project viable to financially support.</p>

ACTIONS - Circular economy principles

Action	Implementation/funding considerations
[Action 42 edited] Council to investigate expansion of the current resource recovery operations in the District and look to build on that existing infrastructure. Foster a culture around 'repair not replace' in the District.	<p>More in-depth business case to be developed.</p> <p>A business case for funding could be developed as part of the Long-Term Plan 2024-34.</p>
[Action 42 edited] Council to facilitate repair café [https://zerowaste.co.nz/repair-cafe-aotearoa-nz-to-be-launched-on-international-repair-day/] style events with the resource recovery groups and local businesses, promoting the idea of repairing broken or old household items via local community groups.	<p>Limited internal staff time/capacity available for event coordination.</p> <p>Funding will be sought through the 2023/24 annual plan process.</p>

ACTIONS - Building / infrastructure waste

Action	Implementation/funding considerations
[Action 61 edited] Council to investigate developing a deconstruction hub as part of the Resource Recovery Centre that provides infrastructure for industry to exchange key materials and share best practice expertise.	<p>More in-depth business case to be developed for investigation.</p> <p>A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes project viable.</p>

4) Climate Resilient District (built infrastructure, productive landscapes, and natural environment)

New theme four	Climate Resilient District (built infrastructure, productive landscapes, and natural environment)
Description	How we adapt to increasingly severe floods, droughts, storms, and changes in precipitation rates, power our homes and businesses through renewable energy, design and retrofit for low-emission construction and create infrastructure that is resilient to climate impacts, protect our native biodiversity through climate solutions, and take a coordinated and strategic approach to tackling climate change in the Greater Wellington Region. Collect data, map current and potential impacts and develop a fit for purpose, adaptable plan for managing climate change exacerbated hazards.
Goal	Ensure the resilience of our district infrastructure, productive landscapes, and natural environment from current and future climate change exacerbated hazards (floods, droughts, heavy precipitation events, strong wind, landslides, heat stress, wildfires).
Sub-goals	<ul style="list-style-type: none"> - Masterton District has transitioned to zero-emissions energy sources. - Masterton District Council has plans for increasingly severe hazards/risk (floods, droughts, storm events). - Reduce carbon emissions related to creating and maintaining infrastructure (including buildings) and ensure infrastructure is designed to withstand climate impacts. - Masterton District has biologically healthy rivers which provide for our local communities, and our flora and fauna. - Masterton has access to enough water to service a growing population. - Masterton District Council has a clear picture of the health of the district's rivers, including what parts are improving and what parts need urgent attention, and the Masterton community has a clear understanding of what work is being done to improve them - Enhance the capacity of the natural environment to sequester carbon and protect indigenous biodiversity from the impacts of climate change. - Masterton District Council supports legal protection of key biodiversity hotspot sites that will be important in helping our native flora and fauna to adapt to climate change. - Masterton District Council remove any local barriers to a transformative, low-emission primary industries sector. - Connected regional approach to mitigating and adapting to climate change which allows for knowledge sharing and uses Council resources/staff capacity wisely. - Utilise the current and future regional projects to feed into council decision making around climate change mitigation and adaptation.

New theme four	Climate Resilient District (built infrastructure, productive landscapes, and natural environment)
Action categories	<ul style="list-style-type: none"> - Energy transition - Emergency response - Public spaces - Building construction/retrofit - District mapping - District planning - Productive landscapes - Biodiversity and ecosystem health.

ACTIONS - Energy transition

Action	Implementation/funding considerations
[Action 18] Council to support wider conversion to LED lighting across the District.	<p>More in-depth business case to be developed for investigation.</p> <p>A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes project viable.</p>
[Action 19] Council to investigate installation of install solar and/or wind generation infrastructure on appropriate MDC buildings and look to ensure all Masterton District Council buildings are well insulated.	<p>More in-depth business case to be developed for investigation.</p> <p>A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes project viable.</p>

ACTIONS - Emergency response

Action	Implementation/funding considerations
[Combined Actions 31/32] Council in collaboration with WREMO to update internal extreme weather response to make it fit for purpose with new climate change impacts.	<p>Consideration needed for how/when action would be included within new or existing staff work programmes.</p>
[Action 32] Council to be well-prepared to support communities in the event of extreme weather events, such as flooding and fire events. Examples could include sandbags, flood barriers, water testing kits, evacuation plans, etc.	<p>Limited internal staff time/capacity available.</p> <p>More in-depth business case to be developed for investigation.</p> <p>A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes project viable.</p>
[ADDED] Council to make public buildings such	<p>More in-depth business case to be developed</p>

Action	Implementation/funding considerations
as the library safe spaces in days of extreme heat stress.	for investigation. A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes the project viable.

ACTIONS - Public spaces

Action	Implementation/funding
[Action 62] Council to investigate embedding climate change mitigation and adaptation measures into all council controlled public spaces. Prioritise the use of low-carbon infrastructure in public spaces e.g. e-charging infrastructure including e-bikes, scooters, wheelchairs, cars.	Consideration needed for how/when action would be included within new or existing staff work programmes.
[Action 83] Council to investigate how to make carbon negative parks and recreation spaces using international and domestic examples.	Limited internal staff time/capacity available. More in-depth business case to be developed for investigation. A business case for funding could be developed as part of the Long-Term Plan 2024-34 if cost/benefit makes the project viable.

ACTIONS - Building construction/retrofit

Action	Implementation/funding considerations
[Combined Actions 20/34/60] Council to investigate the potential for greater utilisation of roof areas for solar power generation and water capture. Showcase opportunities through pilots on public assets. Address current barriers to uptake and investigate incentives. Investigate: - what are the best options for different locations and building type - how they could benefit stormwater management, electricity generation, rainwater harvesting and food growing in the Wairarapa.	Funding will be sought through the 2023/24 annual plan process for an initial investigation. Business case to be developed based on initial investigation as part of the Long-Term Plan 2024-34.
[Action 59] Council to identify and remove barriers to low-emission design and construction, including council processes and	Funding will be sought through the Long-Term Plan 2024-34 process for the investigation.

Action	Implementation/funding considerations
enable other mechanisms such as incentivisation and upskilling.	A more in-depth business case to be developed based on initial investigation.
[Action 56] Council to investigate reduced building/compliance fees for proposed Green Star builds.	Funding will be sought through the Long-Term Plan 2024-34 process for the investigation. A more in-depth business case to be developed based on initial investigation.
[Action 75] Council to investigate how to support the delivery of a residential programme to reduce carbon emissions from the District's commercial and residential buildings, including the installation of insulation, double glazing, summer cooling and ventilation, efficient heating and lighting, and renewable energy generation.	Funding will be sought through the Long-Term Plan 2024-34 process for the investigation. A more in-depth business case to be developed based on initial investigation.
[Combined Actions 76/77] Council to investigate ways to partner with industry to develop a commercial building retrofit programme to improve the efficiency and climate footprint of the District's commercial buildings; promote and enable fuel switching to renewable sources and install energy efficient air conditioners.	Funding will be sought through the Long-Term Plan 2024-34 process for the investigation. A more in-depth business case to be developed based on initial investigation.

ACTIONS - District Mapping

Action	Implementation/funding considerations
[Combined Actions 24/25/80] Council to map climate risks and impacts (floods, drought, storms, sea level rise, fire risk, heat stress, invasive/noxious species) across the three district areas – coastal, rural, and urban. Council to investigate identification of council assets that are within current or predicted risk zones (over the next 100 years). Utilise NIWA climate change projections and regional climate change risk assessment to understand specific infrastructure vulnerabilities to river and lowland flooding and coastal storm surge and sea-level rise, including changes in erosion / deposition.	Funding budgeted and allocated in 2021/22 for Council's contribution (WGTN Regional Climate Change Impact Assessment (CCIA)). Funding budgeted in 2022/23 for Council's contribution (WGTN Regional Climate Change Impact Assessment (CCIA)). Existing resourcing already committed as part of the project team (WGTN Regional Climate Change Impact Assessment (CCIA)).
[Action 79 edited] Council to investigate how to create a carbon map for the District to show	More in-depth business case to be developed.

Action	Implementation/funding considerations
<p>where sequestration is occurring and may be enhanced (e.g. wetlands, native forests, local forestry plantations).</p>	<p>Funding will be sought through the Long-Term Plan 2024-34 process if cost/benefit makes project viable.</p> <p>Council to advocate for external funding (action dependent on significant external funding).</p>
<p>[Combined Actions 37/89] Council to advocate to Greater Wellington Regional Council for better water sampling data sharing and use and increasing the data points collected if needed to get a clear picture of the state of the District's rivers.</p>	<p>Limited internal staff time/capacity available to prepare advocacy material.</p>

ACTIONS - District Planning

Action	Implementation/funding considerations
<p>[Combined Actions 26/68] Council to determine approach to risk mitigation and planning decisions (such as adaptive design and planning pathways as recommended by the Ministry for the Environment). This approach aims for flexible and adaptable decision making over time and has been used successfully by other councils for flooding and coastal erosion planning.</p>	<p>Internal staff time/capacity.</p>
<p>[Action 27] Council to undertake what measures to take to mitigate the effects of flooding and sea-level rise.</p>	<p>More in-depth business case to be developed.</p> <p>Funding will be sought through the Long-Term Plan 2024-34 process if cost/benefit makes project viable.</p> <p>Council to advocate for external funding (action dependent on significant external funding).</p>
<p>[Combined Actions 33/69] Council to investigate how to ensure new stormwater infrastructure is designed for increasing frequency of extreme weather events.</p>	<p>More in-depth business case to be developed.</p> <p>Funding will be sought through the Long-Term Plan 2024-34 process if cost/benefit makes project viable.</p> <p>Council to advocate for external funding (action dependent on significant external funding).</p>

Action	Implementation/funding considerations
<p>[Action 36] Council to work with Greater Wellington Regional Council to monitor and model climate change impacts on the District's water system to understand the resilience of the network.</p>	<p>More in-depth business case to be developed.</p> <p>Funding will be sought through the Long-Term Plan 2024-34 process if cost/benefit makes project viable.</p> <p>Council to advocate for external funding (action dependent on significant external funding).</p>
<p>[Combined Actions 35/81] Council to collaborate with Greater Wellington Regional Council to identify options for reducing risk from flooding, including riparian planting, stop banks, wetlands, restrictions on buildings.</p>	<p>More in-depth business case to be developed.</p> <p>Funding will be sought through the Long-Term Plan 2024-34 process if cost/benefit makes project viable.</p> <p>Council to advocate for external funding (action dependent on significant external funding).</p>
<p>[Action 28] Council to ensure Masterton District has a reliable and safe water supply.</p>	<p>More in-depth business case to be developed.</p> <p>Funding will be sought through the Long-Term Plan 2024-34 process if cost/benefit makes project viable.</p> <p>Council to advocate for external funding (action dependent on significant external funding).</p>
<p>[Action 38] Council to support development of new water storage infrastructure or expansion of existing infrastructure, including the use of nature-based solutions.</p>	<p>More in-depth business case to be developed.</p> <p>Funding will be sought through the Long-Term Plan 2024-34 process if cost/benefit makes project viable.</p> <p>Council to advocate for external funding (action dependent on significant external funding).</p>
<p>[Action 30] Council to make the install rainwater tanks (non-potable) compulsory for new builds.</p>	<p>To be considered as part of the current Wairarapa Combined District Plan review.</p>
<p>[Combined Actions 29/66] Council to investigate how to assess climate change impacts for all new Council developments and infrastructure. Council to investigate how to develop a framework that will allow staff to consider climate implications at each stage of project development. Climate change projections are considered in all infrastructure</p>	<p>Internal staff time/capacity needed to be allocated for framework development.</p>

Action	Implementation/funding considerations
planning. For example, Council to ensure climate projections are used in planning for water resources infrastructure (dams, rivers, groundwater, pipelines, water races).	
[Action 67] Council to assess and support pathways to decrease construction of new infrastructure in known climate hazard/risk zones.	Staff time/capacity. Link to mapping work based on Regional CCIA project.
[Action 70 edited] Council to ensure clear climate hazard information is provided for developers and regulators. Council to investigate how to encourage new commercial developments to install on-site storm water retention system or bio remediation systems based on size of building and hard surface, and investigate requiring new commercial carpark areas to plant shade trees and/or rain gardens.	Staff time/capacity. Link to mapping work based on Regional CCIA project.

ACTIONS - Productive landscapes

Action	Implementation/funding considerations
[Action 94 edited] Council to meet with representatives of different forestry companies quarterly to discuss climate impacts on infrastructure e.g. increased storm damage. Assemble all relevant companies in the room at once (as done in Northland with the Wood Council) to discuss upcoming harvesting and the impacts on roads and other infrastructure in the District. Investigate forestry land rates, timing options of harvests, as well as environmental management such as 10m riparian zone of native planting along waterways, designated wetland zones, and coastal esplanade zones. Take guidance from this process happening in other regions.	Staff time/capacity. Link to mapping work based on Regional CCIA project.
[Action 100] Council to assist GWRC in fostering a 'right tree, right place, right time' culture of tree planting in the District.	Internal staff training/community engagement. Collaboration with GWRC.
[Action 101] Council to support Greater Wellington Regional Council in their programmes for farm-based and community tree planting.	Internal staff training/community engagement. Collaboration with GWRC.

ACTIONS - Biodiversity and ecosystem health

Action	Implementation/funding considerations
[ADDED] Council to develop a plan to manage the effects of climate change on local biodiversity.	Internal MDC planning (staff time and capacity). Getting the action on the work programme of relevant staff for 2023/2024.
[Action 85] Council to ensure existing provisions and relationships to protect and enhance local biodiversity to address potential climate impacts.	Investigation to confirm what processes are currently in place and what additional work is required.
[Action 87] Council to investigate how to include ecological corridors, rain gardens, and street trees when (re)designing urban areas.	Internal MDC planning (staff time and capacity). Getting the action on the work programme of relevant staff for 2023/2024. Funding will be sought through the Long-Term Plan 2024-34 process for project costs.
[Action 93] Council to identify options for protecting native vegetation and planted forests from wildfires, including firebreaks, and selective planting of fire-resistant species.	Internal MDC planning (staff time and capacity). Getting the action on the work programme of relevant staff for 2023/2024. Funding will be sought through the Long-Term Plan 2024-34 process for project costs.
[Action 84] Council and Greater Wellington Regional Council support the enhancement and legal protection (covenants) of our wetlands and forests.	Internal MDC planning (staff time and capacity). Getting the action on the work programme of relevant staff for 2023/2024. Funding will be sought through the Long-Term Plan 2024-34 process for project cost.

4.4 Actions for the next iteration of the CCERP

For actions that were focused on internal Council organisational emissions reductions, it is proposed that those actions move to the next iteration of the Council Corporate Carbon Emission Reduction Plan.

Actions for the next iteration of the CCERP
[Action 11 edited] Council to encourage all council contractors to use low carbon vehicles and machinery or offset their emissions.
[Action 10] Determine the Masterton District's share of regional transport emissions and monitor changes over time to establish effectiveness of the Climate Action Plan. Customise Greater Wellington Regional Council carbon emissions inventory for the District.

Actions for the next iteration of the CCERP

[Action 23] Council to promote alternative energy development in the District and support rural development of alternative energy production, e.g. micro-hydro, wind, solar, biomass.

[Action 44] Council to lobby for centralised waste operation in Manawatū at Bonny Glen to recover more landfill gas for power generation (this is where Masterton District sends all our waste).

[Action 51 edited] Council to investigate retrofitting existing Masterton District Council buildings with energy-efficient air conditioners.

[Action 53] Council to incorporate climate change considerations into Council procurement processes. Ensure Council's tenders have a weighting for climate change.

[Action 55 edited] Council to consider utilisation of appropriate eco-design and low impact principles in all council refurbishment projects, including thorough utilisation of timber where feasible. Investigate low-emission and sustainable buildings practices for future council development.

[Action 64 edited] Council to consider use of underused land for opportunities such as energy generation and carbon sequestration.

[Action 88 edited] Council to investigate funding options for planting council land to offset carbon emissions based on current research.

[Action 104] Council to incorporate climate change (mitigation and adaptation) considerations into future community development projects.

[Action 111] Council to take account of cultural values when considering the impact of climate change and when proposing solutions to climate change.

5. Options Considered

A summary of the options considered in relation to the recommendations in this report is included in the table below:

Option	Advantages	Disadvantages
1	<p>Agrees to progress the proposed recommendations in this report (Report 112/22) for inclusion in the proposed Masterton District Climate Action Plan</p>	<p>The final Masterton District Climate Action Plan will be able to be adopted within the current triennium.</p> <p>The current Council will see this work through from development to completion.</p> <p>Projects already committed to and/or underway continue to progress.</p> <p>Year 1 implementation of the Plan can commence in 2022.</p> <p>Enables council to complete the process for the climate change community focus group work.</p> <p>Ensures this work is completed ahead of the adoption of the Wellington Region Emissions Reduction Strategy and the Wellington Region Climate Impact Assessment so the work can be incorporated into those instruments.</p>
2	<p>Does not agree to progress the proposed recommendations in this report (Report 112/22) for inclusion in the proposed Masterton District Climate Action Plan</p>	<p>Allows incoming Council to adopt the action plan.</p> <p>Delays the process for the climate change community focus group who have been working on the plan for over a year.</p> <p>Delays Year 1 implementation of the Plan to 2023.</p>

			Risk that it does not align with the work being undertaken to develop the Wellington Region Emissions Reduction Strategy and the Wellington Region Climate Impact Assessment project.
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Recommended Option

Option 1 is recommended.

Council committed to progressing climate change action in its Long-Term Plan 2021-31 (LTP), and in particular working with the community to develop a Masterton District Climate Change Action Plan in Year 1 of the LTP.

This process has taken longer than what was originally intended, with this work being undertaken during the Covid pandemic. Covid alert levels have made it difficult for the climate change community focus group to come together to progress work on the action plan. The members on the climate change community focus group have been doing this work for nearly a year in addition to their day to day responsibilities. Progressing towards the adoption of a final Masterton District Climate Action Plan within this triennium will close the loop in terms of the commitment made by the climate change community focus group and elected members who have been part of this project since its inception, and will build off momentum made during the targeted engagement and formal consultation phases with our community.

Progressing this work for council adoption in September 2022 allows council to start working on its Year 1 implementation plan in 2022. It also supports the existing work that is already committed to and/or underway. There are also a number of regional climate change projects planned or underway that this plan will contribute to, or have interdependencies on.

An introductory session will be prepared and provided to the incoming Council as part of their wider induction programme.

6. Supporting Information

Strategic, Policy and Legislative Implications

The development of a Masterton District Climate Action Plan is one of the ways in which Council and the wider community can work towards a low carbon district and in alignment with the Governments Zero Carbon Act, the Government’s National Emissions Reduction Plan, and the Government’s National Adaptation Plan.

At a regional level, the Masterton District Climate Action Plan will feed up into the Wellington Regional Emissions Reduction Strategy that is in development.

Significance, Engagement and Consultation

Developing a Masterton District Climate Action Plan was assessed as significant under Council's Significance and Engagement Policy as climate change affects the whole community and has consequences on the current and future wellbeing of the Wairarapa. Council has taken a "collaborate approach" in terms of the co-development of the climate actions with a community focus group, "involve approach" in terms of engagement with key stakeholders, and "consult approach" with the wider community.²

Financial Considerations

Council has a climate change budget of \$60,000 in 2022/23 to support the implementation of the Masterton District Climate Action Plan and council's contribution towards two Wellington Regional Growth Framework projects (Wellington Region Emissions Reduction Strategy and Wellington Region Climate Risk Assessment). In addition to this, \$50,000 has also been budgeted to establish council's first community designated fund to support community-led climate change initiatives.

Iwi/Māori Considerations

Mana whenua are developing Iwi Management Plans, and any climate related actions will fall out of these plans. It is anticipated that the Masterton District Climate Action Plan could complement climate and environmental actions that come from the Iwi Management Plans.

Environmental/Climate Change Impact and Considerations

The development of the Masterton District Climate Action Plan is part of a two-plan approach that council is taking to addressing the impacts of climate change.

Next Steps

Following this deliberations meeting, a Masterton District Climate Action Plan will be considered for adoption by Council at its upcoming meeting on 14 September 2022.

² See Council's Significance and Engagement Policy available <https://mstn.govt.nz/wp-content/uploads/2021/06/Significance-and-Engagement-Policy-2021.pdf>

Appendix One: Engagement event summaries

Engagement event summaries
<p>Submissions (and election registration) at Farmers Market</p> <p>DATE: 16 July 2022</p> <p>VENUE: Famers Market, Solway Showgrounds</p> <p>TIME: 9am-12pm</p> <p>NOTES:</p> <ul style="list-style-type: none"> – Estimated 70% positive reactions, 25% indifferent or apathetic reactions, and 5% overtly negative reactions. – Steady stream of people checking out the stall over the morning. – Some took the consultation document/action list/submission forms. Others said they were going to look at it online. Some said they were already intending to make a submission. – A few people said they were encouraged that Masterton was ‘finally’ getting a climate plan, or that it was ‘about time’ or the Council was ‘acting too late considering how long climate change has been known about’. – Two people said climate change wasn’t real and that we were wasting our time.
<p>Farmers Market #2</p> <p>DATE: 23 July 2022</p> <p>VENUE: Farmers Market, Solway Showgrounds</p> <p>TIME: 9am-12pm</p> <p>NOTES:</p> <ul style="list-style-type: none"> – Very similar types of engagement to previous week. – Less overt climate denial. – But talked to less people overall. – Some good feedback on the plan. – Had leaflets/lollies there for the young people.
<p>Launch event</p> <p>DATE: 6 July 2022</p> <p>VENUE: Fernridge School Hall</p> <p>TIME: 12-1pm</p> <p>ATTENDEES: 35-40 people including two students from the school</p> <p>NOTES: Informal speeches followed by lunch. Gifted school a tree and koha (students accepted the tree on behalf of the school). Hard copies of all the consultation documents were available.</p>
<p>Library drop-in session one</p> <p>DATE: 6 July 2022</p> <p>VENUE: Mstn Library</p> <p>TIME: 2:00-3:30pm</p> <p>NOTES: Three people sat down to discuss the plan.</p> <p>Issues discussed during the session:</p> <ul style="list-style-type: none"> – worry that if we take too much carbon from the air then humans and plants would die.

Engagement event summaries

- Resident has solar panels at their home and want every new house to have big water tanks for resilience.
- Worry what all the expected new EVs would do to the local power grid when charging.
- Worried about the waste aspects of lithium batteries used for EVs.
- Suggestion for how to use willows to put less water discharge into the river from the Homebush treatment plant.

A Facebook post was put out on the MDC Facebook page at 2:20pm to encourage community members to come along to the Library drop-in session.

Library drop-in session #2

DATE: 13 July 2022

VENUE: Mstn Library

TIME: 12-1:30pm

NOTES: Two people stopped to discuss the plan.

Issues discussed:

- will be making a submission and sharing the 'Submit Now' MDC facebook post to their networks.
- pro three waters, aeroplane pollution is bad, previously saved a rainforest in West Coast, will make a submission.

3 people picked up forms from table. Others were handed forms as they were browsing library shelves.

Climate Change Action Plan Consultation

DATE: 5 July 2022

VENUE: Via zoom

TIME: 5.30pm

ATTENDEES: 4 x community members plus staff.

NOTES: The following is a summary of feedback from the community who attended this webinar:

- All attendees noted that they were either very impressed with the detail and that it was very comprehensive documentation – some of the best they have seen come out of council in a while
- Could not initially see any particular gaps in terms of the actions.
- Only reservation or concern is the Council's ability to achieve these actions · Thinks it is good that there is categorisation in the action plan to state what council thinks their role is for each of the actions.
- Noted the importance of having mechanisms in place to monitor the progress made with the action plan.
- Thinks this should be a live document – solutions to climate change are changing and evolving all the time.
- Hoped that council takes on some of the bigger actions as opposed to gravitating towards the 'low hanging fruit'.
- Hoped that there is sufficient budget to fund these actions.
- Were very complementary of the work that Lisa is leading and that Council need to be aware of the expert that we have on staff.

Engagement event summaries
<p>Online Webinar #2 DATE: 19 July 2022 VENUE: Zoom TIME: 5:30-6:30pm ATTENDEES: One attendee NOTES: Short session. Positive feedback.</p>
<p>Skate Park leaflet drop DATE: 18 July 2022 VENUE: Skatepark and QE2 park TIME: 3pm-3:30pm NOTES: Staff handed out 40 leaflets advertising the consultation (each with two lollies attached). Focused mostly on parents at first so they would know why we were there and why we were handing things out. And then young people started coming up to us to ask about it and get a leaflet (most likely for the lollies). Encouraged the young people to talk about climate change with their family and make a personal or family submission.</p>
<p>Youth Council climate online webinar DATE: 26/07/22 VENUE: Zoom TIME: 4-430pm ATTENDEES: Four youth council members. NOTES: Asked questions- What's your vision for Masterton? What worries you about climate change? What gives you hope? What actions should we be doing? Feedback on amount of coffee cups that people are still using – without taking a reusable cup Biking – so scared by the trucks Could do some more info on recycling in Masterton, some stuffs different between councils- does Masterton recycle plastic bottle lids? How to reduce the use of disposable mask use. Rubbish bins.</p>
<p>Youth Webinar DATE: 13 July 2022 VENUE: Zoom TIME: 3:30-4:30pm ATTENDEES: Guest – Cr Sophie Handford (SS4C and KCDC) Participants – one high school student NOTES: Discussion on Sophie's experiences in running youth climate events and being elected as a local government representative. Great engagement from participant with interesting questions asked of Sophie.</p>

Appendix Two: Categorised list of general themes from Question 3 and 4

Categorised list of general themes from Question 3 and 4	
[some answers may have been shortened or paraphrased for brevity]	
Issues with the concept of climate change or the need to act	<ul style="list-style-type: none"> - Climate change not scientifically confirmed - Science is not agreed and it is a power/money grab by LGNZ - Climate change will have a positive impact - Climate change is exaggerated - Masterton District will be impacted like other NZ regions - Not achievable. - No benefit to ratepayers, it will only benefit council's bank accounts. - Waste of money as big countries are doing nothing.
Concerned about hazards and impacts	<ul style="list-style-type: none"> - Extreme weather - Need adaptation planning - Need to reduce action numbers and focus on fewer actions with good cost/benefit, especially around flood protection. - Extreme weather changes - Impact on coastal ecosystems - Water changes - Extreme weather changes - Drought increase - Impacts on food production by floods/droughts - Impacts on natural environment making district harder to live in - Water changes - Extreme weather - Severe weather - General economic and social disruption, both from localised impacts and impacts on the rest of the world - Drought and flood - Extreme heat - Water shortages - Extreme weather events - Water shortages and flooding - Flooding and strong wind - Extreme weather - Increase pests - Fire and drought - Clean water - Healthy earth - Flooding and fires, drought and heat waves. - New diseases. - Biodiversity loss, food and water scarcity, increased flooding, extreme heat, more disease, and economic loss. - Drought flooding fire - Severe weather events damaging infrastructure / livelihoods / land

Categorised list of general themes from Question 3 and 4

[some answers may have been shortened or paraphrased for brevity]

- Extreme weather
- Waste management
- Food production
- Infrastructure (stormwater and sewage)
- Water
- Soil erosion from increased storms
- Droughts affecting ability to farm
- Weather changes, drought/fire, sea level rise
- Drought/Flooding/Extreme weather
- Impacts on Agriculture and tourism
- Fire, drought and flooding,
- the loss of biodiversity, the breakdown of our ecosystem
- Flooding/Extreme weather
- Local resilience
- Weather events
- Different availability of resources we are used to
- Flooding, storms and drought
- Impacts on native biodiversity (species decline).
- Community resilience
- Severe weather
- Changes to weather
- Floods, wind, drought, contaminated storm water and rivers.
- Increasingly unpredictable weather and its impacts (from growing food to managing drinking water supplies and runoff, as well as hazards associated with extreme weather events (flooding, heatwaves etc)).
- Weather change,
- Coastal districts affected most from storms etc
- Extreme weather events and not being resilient
- Clean air.
- Extreme weather. Prepare for impacts. Live more sustainably.
- Action means benefits beyond emissions reductions such as health and biodiversity benefits.
- Increase resilience.
- Future proofing fresh water supply.
- Build community resilience.
- Need to prepare for climate impacts.
- Clean up water (urban/industrial areas).
- Build resilience.
- Flood damage.
- Food resilience.
- Reducing extreme heat stress.
- Resilient community.
- Storm water system that can handle bigger flood events.

Categorised list of general themes from Question 3 and 4

[some answers may have been shortened or paraphrased for brevity]

<p>Concerned about impact on food security</p>	<ul style="list-style-type: none"> - Need farming sector to adapt or no one will buy our products - Farmers should get carbon credits for sequestration (all types) - Climate change will cause significant impacts. Our farmers are very at risk and have the most to gain from climate change action. - Harmful food production methods and food resilience - The breakdown in food production and systems, - Higher food prices - Supply chain disruption - Pressure on local food producers - Reducing changes to what we can grow (crops etc).
<p>Concerned about health impacts</p>	<ul style="list-style-type: none"> - Motor vehicle use is impacting health - Mental health benefits of taking action. - Less illness.
<p>Climate action is important</p>	<ul style="list-style-type: none"> - Climate action is essential. - Our species will survive the next 100 years if we act now. - It is our civic duty to reduce our GHG emissions. - We have to fix past mistakes by playing a part in the solution. - Action prevents future suffering. - Planning for climate change is important and worth the investment of time/resources. - Need to keep up with trends so that Masterton is an attractive place for people to live and do business. - Our economy will be impacted if we don't act. - Contribute to global effort. - Take accountability for our actions and stop being victims. - Ensure children/grandchildren have a future. - Improved quality of life for all in district. - Staying within natural world limits - Lack of action would be irresponsible. - Taking care of next generation. - Future proofing economy and living conditions. - Securing a future for Mstn. - Tackling inequalities. - Creating more collaborate and compassionate communities. - Healthy world for children's children. - Attract people and investment through climate action. - Long term survival. - Develop resiliency. - Liveable future for grandchildren. - Wellness of community through environmental skills and awareness. - Positive economic and social impact. - Population control needed - Need to rethink our lifestyles

Categorised list of general themes from Question 3 and 4

[some answers may have been shortened or paraphrased for brevity]

	<ul style="list-style-type: none"> - Tree planting by offshore companies is not good. - Climate change leadership is needed to prevent wide scale devastation. - Great plan, need to be ambitious. - All talk no action - Overuse of fossil fuels - Climate denial will get in the way of action - Affordability of solutions that individuals can do - People not seeing the need to change and feeling it is someone else's problem to fix. - Extinction of humanity. - Society failing to respond to the threat - Speed of change and lack of education on climate change - Long term survival - Future of the people - Close knit community in the face of the inevitable changes that go with climate change, - Climate action will look the same across NZ. - Demand recycled packaging. - Social responsibility to reduce pollution. - EVs are not worth the other damage they cause. Limit combustion engines. - Individual action needed not relying on government to do everything. - Stop residential coal burning. - Resilience. - Less fossil fuels.
<p>Prevent increasing inequities</p>	<ul style="list-style-type: none"> - Climate decisions could put burdens on vulnerable populations - Grandchildren impacted - Exacerbating prior inequities - Disproportionate impacts on already disadvantaged people - Action should not disadvantage one group.
<p>Council role</p>	<ul style="list-style-type: none"> - Climate action is the most important thing we can be doing. - Capture water to power houses and water crops - Every decision council makes needs a climate change lens at forefront - Breakdown of our community well-being. People are feeling isolated, disconnected and confused. The lack of action and understanding from our leaders to the enormity of what we are facing is terrifying. We need a council that is courageous enough to see that the economic model of extraction for immediate financial gain has got us here and that radical systemic changes are needed, not just solar panels on the roof - Playing our part in global effort - Council must be pro-active in its leadership and prioritise actions - Lens of climate change needed and the reasons for Council decisions are made public.

Categorised list of general themes from Question 3 and 4

[some answers may have been shortened or paraphrased for brevity]

- MDC staff numbers need to be increased (each 'theme' should be headed by a person, skilled and knowledgeable in the specific area)
- Broad thinking needed
- Shouldn't spend money trying to fix climate change, but focus on adaptation
- Community Empowerment should have been the first topic in the Action List.
- Leadership and demonstrating action.
- Safeguarding quality of life for our community through action.
- Bring people together.
- Providing our young people with future opportunities.
- Manage changes by having a plan.
- Masterton could use climate action as branding/theme e.g. environmental green town.
- Potential for increasing tourist numbers.
- Creating long term sustainability for Masterton.
- MDC should lead and others will follow. People see it as council's responsibility to act.
- Encourage others to act too.
- Being prepared is better than last minute responses.
- Do our small but valuable bit as a district.
- Needs urgent and bold action.
- Help the community.
- Bring people together to act.
- Role model to other rural towns/cities.
- Town resilience.
- Be a place people want to come to due to climate action.
- Bring people together, less community division.
- Recognisable vision and plan for implementation.
- Masterton to be model of sustainability to create opportunities.
- Less damage to infrastructure, homes, and less stress in the community through being better prepared.
- Climate risk management to help avoid properties being labelled as climate risk by insurers.
- Action unifying the community.
- Sending message to central govt.
- Doing our share of global issue.
- Building community resilience.
- Affirmative action rather than reactive.

Appendix Three: categorised list of general themes from Question 5

Categorised list of general themes from Question 5	
[some answers may have been shortened or paraphrased for brevity]	
Don't act	<ul style="list-style-type: none"> - Hunger, homeless, crime is more of an issue than climate change - Nothing MDC can do. It is central government's role - Leave for next council. - Focus on council BAU not climate change - No rates rises due to climate action and no new staff hire for climate action - Cost benefit analysis needed for any actions.
Adaptation needed	<ul style="list-style-type: none"> - Water infrastructure - Resilient local water and food supply - Collecting rain water and using solar/wind energy - Water infrastructure - Infrastructure - Prepare for extreme weather - Water storage using nature based solutions. - More resilient infrastructure. - Cooperate with 3 Waters - Drought proof farming - Water storage - Underground infrastructure - Water management - Prioritise infrastructure for community resilience - Upgrade water infrastructure - More resilient infrastructure - Integrated systems - Waste minimisation - Flood management
Climate change prevention needed	<ul style="list-style-type: none"> - Walkable town with connections to rail station and pedestrian friendly streets. - Plant based lifestyle promotion and only do plant based catering for council events. - Population reduction - Organic waste collection - Safe cycleways, including for kids - Mitigation - Planting trees - Transport emissions - Public transport (trains) - Waste - Reduce air pollution - Encourage public and active transport - Plant native trees not exotic.

Categorised list of general themes from Question 5

[some answers may have been shortened or paraphrased for brevity]

- Employ a senior staff member to coordinate climate action across the community.
- Organic waste collection.
- Plant native trees.
- Better active and public transport infrastructure.
- Decentralised organic food waste collection
- Support just transition
- Better active and public transport infrastructure.
- Lobby business to improve product waste
- Move away from dairy farming.
- Bio char use
- Regenerative Agriculture
- Enable behaviour change
- Encourage active transport by making car parks harder to access near schools
- Expand a Resource Centre for town with bike repair, general household appliance repair etc.
- educate public on green infrastructure and make this a key service they [Council] offer (Rainfall collection to reduce stress on stormwater system, rain gardens, wetland restoration (urban and rural), soil development, green belts, carbon sequestration.)
- Active and public transport
- Harness energy from waste
- Kerbside organic waste recycling
- Well-resourced PLAN with measurable targets
- Put CC at the TOP of every MDC decision
- Empower the community/raise awareness – so many simple steps possible! E.g.
 - a. a pop-up climate change shop;
 - b. a citizen assembly,
 - c. higher profile GHG calculating for homes and businesses;
 - d. socialise CC via community group liaison;
 - e. put an EMRP thermometer on the old MDC building (like the jobs one, only for MDC's emissions reductions);
 - f. be conspicuously planting for sequestration and to reduce the 'heat island' effect in Masterton.
- Active and public transport
- Reduce food waste
- Creating circular economy
- Climate lens on council decision making
- Reducing carbon emissions
- Implement the use of electric buses and offer more bus routes so people can use them to get around town more easily.

Categorised list of general themes from Question 5	
[some answers may have been shortened or paraphrased for brevity]	
	<ul style="list-style-type: none"> - Reduce transport emissions - Prioritise public/active transport e.g. bike lanes - Climate lens on council decision making - Kerbside organic waste collection involving every household - Reward carbon neutral activity - More public and active transport, including inter-regional - Action soon and keep ambition - Develop plans and policies with solutions that directly serve the people (including the poor and excluded) and create strong communities. Even if it impacts budgets - Education - Composting - Design biodiversity into urban spaces
Types of change	<ul style="list-style-type: none"> - Need holistic approach - All of community change. - Coordination of climate response
MDC role	<ul style="list-style-type: none"> - Lead the discussion within community for lower consumption/low impact lifestyles and economy - MDC leading the community with a compelling vision and using easier to implement initial projects to create energy for further projects. - Remove barriers to action - Acknowledge climate crisis - Act on action plans/suggestions - Implement 3 Waters Legislation / take part in the funding offered. - Measure co2 and track over time for district - Climate lens on all council decisions. - Climate action staff member part of leadership team

Appendix Four: work already planned or in progress through the Corporate Carbon Emission Reduction Plan

Work already planned or in progress through the Corporate Carbon Emission Reduction Plan (CCERP)

- Council to participate in the development of a regional climate change impact assessment (2022)
- Council to participate in the development of a regional emissions reduction strategy (2022).
- Council to participate in the development of a regional climate change adaptation strategy (2023/2024)
- Council moves to a mostly EV work fleet by 2025 (excluding current diesel fleet vehicles that won't be able to be converted under current technology).
- Council to adopt a fully electric corporate vehicle fleet by 2030 (provided mature technology is available).
- Council to investigate and evaluate options for off-road and high-performance electric vehicles.
- Council to incorporate E-bikes into the fleet.
- Where Air Travel is needed by Council staff, the Council off-sets carbon associated with these flights.
- Council to advocate for increased rail capacity for freight and commuter trains in/out of the Wairarapa.
- Council to develop the Five Town Trails Network (cycling) to allow for commuter and school student active transport.
- Masterton District Council to conduct an energy audit of council facilities.
- Masterton District Council to reduce organisational energy waste as set out in Corporate Emissions Reduction Strategy.
- Masterton District Council undertakes emissions reduction work on wastewater and wastewater treatment process as set out in the Corporate Emissions Reduction Strategy.
- Masterton District Council to reduce organisation office waste as directed in the Corporate Emissions Reduction Strategy.
- Encourage the adoption of innovation, green technology and circular solutions, and support suppliers as they transition to a lower carbon economy
- Develop and embed clear criteria and objectives around sustainability and carbon emissions reduction in all of our procurement processes including what is required from suppliers/contractors.
- Develop and embed requirements for carbon reduction in all business case and project management processes and frameworks.
- Embed the sustainability principles and incentivise sustainable technologies in the Wairarapa Combined District Plan (e.g. low carbon footprint buildings; energy efficiency; renewable energy use in buildings; enhanced green/sustainable urban/subdivision design, blue/green infrastructure).
- Investigate opportunities for partnership with local developers to showcase a green/sustainable village/subdivision.
- Council to increase indigenous tree plantings in road corridors, parks and open spaces.

Work already planned or in progress through the Corporate Carbon Emission Reduction Plan (CCERP)

- Council to plant permanent forest on suitable council land for sequestration and to increase biodiversity.
- Council to ensure the Wairarapa Combined District Plan review futureproofs a long-term management approach for our changing coastline.
- Council to integrate connected, nature-based solutions in development planning; such as protecting, restoring or enhancing natural habitats or incorporating natural elements into built environment projects e.g. green infrastructure.
- Council to ensure climate change impacts are embedded into Masterton District Council spatial planning.
- Council to develop a guideline/plan for sustainable practices in parks and gardens.
- Council to identify opportunities to sequester the equivalent carbon through forestry activities.
- Council to investigate a community climate action fund.
- Council to seek opportunities for central government funding and grants.

Appendix Five: Goals/sub-goals consulted on with the community

Goals/sub-goals consulted on with the community

COORDINATED REGIONAL APPROACH	<p>GOAL</p> <ul style="list-style-type: none"> - Connected regional approach to mitigating and adapting to climate change which allows for knowledge sharing and uses Council resources/staff capacity wisely.
	<p>Sub-goal</p> <ul style="list-style-type: none"> - Utilise the current and future regional projects to feed into council decision making around climate change mitigation and adaptation.
TRANSPORT	<p>GOAL</p> <ul style="list-style-type: none"> - Increase uptake of low-emission, active and public transport options in the Masterton District.
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Masterton District Council reduces its own organisational carbon footprint from transport. - Masterton District Council supports the community to transition to low-emission transport. - Improve the public transport network (buses, shuttles, and trains) to get people out of cars as much as possible in a rural area. - Masterton District has well designed streets and roads that minimise transport emissions. - Improved active transport networks (footpaths, cycleways, and walking tracks) to encourage alternatives modes of transport.
ENERGY/ELECTRICITY	<p>GOAL</p> <ul style="list-style-type: none"> - Masterton District has transitioned to zero-emissions energy sources.
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Masterton District Council follows energy efficient practices - Masterton District Council promotes ways for community members and businesses to be more energy efficient (including community education).
WATER	<p>GOAL</p> <ul style="list-style-type: none"> - Masterton District has biologically healthy rivers which provide for our local communities, and our flora and fauna.
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Masterton has access to enough water to service a growing population. - Masterton is prepared for increasingly severe water hazards/risk (floods, droughts, storm events). - Masterton District Council has a clear picture of the health of the district's rivers, including what parts are improving and what parts need urgent attention. - Our community has a clear understanding of the health of our district's rivers and know what work is being done to improve them.

WASTE & CIRCULAR ECONOMY	<p>GOAL</p> <ul style="list-style-type: none"> - Reduce Masterton District’s contribution to methane emissions from landfills.
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Keep green waste and organic waste out of landfills to reduce methane emissions. - Masterton District Council is a role model and educator about reducing waste in the District. - Masterton District Council supports climate outcomes within local waste reduction initiatives.
BUILT ENVIRONMENT	<p>GOAL</p> <ul style="list-style-type: none"> - Reduce carbon emissions related to creating and maintaining infrastructure (including buildings) and ensure infrastructure is designed to withstand climate impacts.
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Ensure the resilience of our district infrastructure from climate hazards (floods, droughts, heavy precipitation events, landslides, heat stress, wild fires). For example, prepare public areas, buildings and homes for extended heat waves. - Reduce emissions on council building projects. - Educate and support businesses and community on low-emission building.
NATURAL ENVIRONMENT	<p>GOAL</p> <ul style="list-style-type: none"> - Enhance the capacity of the natural environment to sequester carbon and protect indigenous biodiversity from the impacts of climate change.
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Masterton District Council supports legal protection of key biodiversity hotspot sites that will be important in helping our native flora and fauna to adapt to climate change. - Masterton District Council supports community-led initiatives that enhance our natural environment in ways that provide more resilience to climate change for our native flora and fauna. - Masterton District Council investigates ways to make our public spaces low-emission or carbon negative.
AGRICULTURE AND FORESTRY	<p>GOAL</p> <ul style="list-style-type: none"> - Remove local barriers to a transformative, low-emission primary industries sector.
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Ensure council policy helps not hinders the transition to a low-emission primary industries sector. - Provide education and support to help our rural community adjust to this transition. - Promote regenerative agriculture methods to reduce carbon emissions and improve carbon storage in soils. - Introduce initiatives that build resilience within the primary sector.

	- Raise awareness of climate risks to agriculture and forestry.
COMMUNITY EMPOWERMENT	<p>GOAL</p> <p>- Building mana-enhancing relationships to support connected communities to be more resilient to climate impacts. Encourage the community to take ownership of the Climate Action Plan to ensure local support for its implementation.</p>
	<p>Sub-goals</p> <ul style="list-style-type: none"> - Build empowered community networks that help to sustain the Climate Action Plan and other initiatives, whilst informing future action plans. - Provide meaningful support to community change projects that inform, educate and inspire climate action. - Implement actions to reduce the impacts of climate change on health and well-being.

Appendix Six: actions that did not make the proposed action list of the next iteration of the CCERP

Actions that did not make the proposed action list or the next iteration of the CCERP.

Action not being carried forward in process	Comment
Action 5 - Subsidise bikes for Community Services Card holders.	Contentious action. Mixed feedback from submissions. Other actions could have bigger climate change reduction impact.
Action 8 - Reduce speed limits on Masterton District Council-managed rural roads to mitigate carbon emissions and improve access for cyclists and pedestrians.	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
Action 9 - Improve throughflow in urban Masterton to reduce traffic congestion at peak times, which will reduce emissions as idling traffic is a significant source of climate pollution.	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
Action 13 - Council to support a provider to hire out a pool of bikes to school students each year.	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
Action 14 - Council to encourage uptake of lower or no emissions vehicles, e.g. working with advertisers and dealerships to promote EVs, hybrids and low-emission vehicles.	Not supported by majority of submitters.
Action 15 - Council to support local businesses to opt for lower transport emissions. For example, businesses which transition to an EV fleet and use solar for vehicle energy charging are given rates rebates.	Not supported by majority of submitters.
Action 16 - Council to determine the District's current energy use and monitor changes to establish the effectiveness of the Climate Action Plan.	Other actions could have bigger climate change reduction impact.
Action 17 - Council to develop a programme of information on energy efficiency for the community to easily access.	Merged into public education action.
Action 21 - Council to support residents to convert to energy efficient products.	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
Action 22 - Council to support businesses to convert to renewable energy and efficient lighting and heating products.	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
Action 39 - Council to help identify options to	Other actions could have bigger climate change

Action not being carried forward in process	Comment
reduce the frequency of toxic blooms in waterways. Also in 'Natural Environment' section.	reduction impact.
Action 49 - Council to reduce emissions linked to construction and demolition, including corporate full carbon accounting in all new builds and renovation (covered in more detail in the Built Environment section).	Repeat action.
Action 57 - Commit Council to low-emission building practices and day-to-day operations. Include emissions reduction performance targets and outcomes in the design and construction of infrastructure. Select and use third party green building and sustainable infrastructure rating tools to measure and reduce the environmental impact of our assets.	Not supported by majority of submitters. Other actions could have bigger climate change reduction impact.
Action 63 - Council to explore initiatives to reduce travel by adapting local venues for sporting and other events.	Other actions could have bigger climate change reduction impact.
Action 65 - Council to explore the use of temporary assets to confirm community needs before any permanent infrastructure is built.	Other actions could have bigger climate change reduction impact.
Action 73 - Council to use current and future research to determine whether emissions are reduced by repurposing construction waste or whether it is better to rebuild with sustainable materials.	Other actions could have bigger climate change reduction impact.
Action 86 - Council to establish biodiversity corridors in rural areas (e.g. in between farmland and monocrop pine plantations to allow native flora and fauna to move around the District) to provide migration pathways and enhance resilience to climate impacts (e.g. wildfires).	GWRC responsibility.
Action 92 - Council to help identify options to reduce the frequency of toxic blooms in waterways. Also in 'water' section.	Other actions could have bigger climate change reduction impact.
Action 96 - Council to work with industry and government partners to determine current emissions and sinks in the District and monitor how they are changing to establish if the Climate Action Plan is effective.	Not within current staff expertise and/or capacity. More relevant to GWRC.
Action 97 - Council to encourage diversified	More relevant to GWRC.

Action not being carried forward in process	Comment
tree planting for timber, so that planting and milling is not limited to the Pinus radiata (radiata pine) cycle.	
Action 98 - Council to draw on extensive local expertise to offer workshops on regenerative farming practices. The science is well established and there is a wealth of local knowledge (e.g. Earth School).	More relevant to GWRC.
Action 99 - Council to promote initiatives within the forestry sector that reduce carbon emissions. Encourage the use of mobile chippers and connect businesses that use wood chips for biofuels with forestry companies.	More relevant to GWRC.
Action 102 - Council to work with national level (e.g. He Waka Eke Noa) and regional level (Greater Wellington Regional Council) agencies to upskill farmers and foresters on climate hazard mitigation (floods, drought, storms, wildfires, invasive species, heat stress, fewer frosts, etc.). One way to meet with farmers is through the catchment groups which have traditionally looked at flood control, and these could be expanded to look at broader climate hazards. He Waka Eke Noa (HWEN) is the primary sector climate action partnership aimed at reducing emissions and building resilience.	Widen to include hazard/impact education for all the community. Change text to reflect this. New text suggestion: [Hazard mitigation and Council/ community response (to floods, drought, storms, wildfires, invasive species, heat stress, fewer frosts, etc)].
Action 105 - Council to identify, support, and facilitate events to share climate change messages.	Other actions could have bigger climate change reduction impact.
Action 113 - Council to use Climate Change fund to subsidise heat pump installation, rain-water tanks, water-testing kits, invasive pest control, etc.	Repeat action.
Action 117 - Council to support intergenerational groups where climate action can be fostered.	Action intent already included in other actions.