

Notice of Meeting:

I hereby give notice that an ordinary Meeting of the Environment Committee will be held on:

Date: Tuesday 10 May 2022
Time: 9.30am
Meeting Room: Council Chamber and Audio Visual Link
Venue: Municipal Building, Garden Place, Hamilton

Lance Vervoort
Chief Executive

Environment Committee

Komiti Taiao

OPEN AGENDA

Membership

Chairperson Cr Gallagher
Heamana

Deputy Chairperson Cr S Thomson
Heamana Tuarua

Members Cr A O'Leary
Cr K Naidoo-Rauf
Cr D Macpherson
Cr M Donovan
Mayor P Southgate (Ex Officio)
Maangai Maaori – N Hill

Quorum: A majority of members (including vacancies)

Meeting Frequency: Six weekly

Amy Viggers
Mana Whakahaere
Governance

2 May 2022

Telephone: 07 838 6727
Amy.Viggers@hcc.govt.nz
www.hamilton.govt.nz

Purpose

The Environment Committee is responsible for:

1. Governance of strategies, policies and plans relating to the wellbeing, protection, enhancement and sustainability of Hamilton's natural environment.

In addition to the common delegations, the Environment Committee is delegated the following Terms of Reference and powers:

Terms of Reference:

1. To develop policy, approve strategies and plans concerning Hamilton's contribution and response to climate change, and to monitor their implementation.
2. To develop policy, approve strategies and plans for the sustainable use of Hamilton's natural resources, and to monitor their implementation.
3. To develop policy, approve strategies and plans for efficient and sustainable waste management and recycling, and to monitor their implementation.
4. To develop policy, approve strategies and plans for Council's corporate environmental sustainability and to monitor their implementation.
5. To develop policy, approve strategies and plans for Council's biodiversity, and to monitor their implementation.
6. To develop policy, approve and monitor implementation of strategies in relation to the Climate Action Plan.

Special Notes:

- The Committee may request expert external advice through the Chief Executive as necessary.

The Committee is delegated the following powers to act:

- Approval of matters determined by the Committee within its Terms of Reference.

The Committee is delegated the following recommendatory powers:

- The Committee may make recommendations to Council.

The Committee may make recommendations to other Committees.

ITEM	TABLE OF CONTENTS	PAGE
1	Apologies - <i>Tono aroha</i>	4
2	Confirmation of Agenda - <i>Whakatau raarangi take</i>	4
3	Declarations of Interest - <i>Tauaakii whaipaaanga</i>	4
4	Public Forum - <i>Aatea koorero</i>	4
5	Confirmation of the Open Environment Committee Minutes – 22 February 2022	5
6	Chair's Report (<i>Recommendation to the Council</i>)	10
7	Waikato Regional Council Verbal Updates	14
8	Update on 2021/22 Climate Change Action Plan	15
9	Update on the 2018-2024 Waste Management and Minimisation Plan	38
10	General Manager's Report	65

1 Apologies – *Tono aroha*

2 Confirmation of Agenda – *Whakatau raarangi take*

The Committee to confirm the agenda.

3 Declaration of Interest – *Tauaakii whaipanga*

Members are reminded of the need to be vigilant to stand aside from decision making when a conflict arises between their role as an elected representative and any private or other external interest they might have.

4 Public Forum - *Aatea koorero*

As per Hamilton City Council's Standing Orders, a period of up to 30 minutes has been set aside for a public forum. Each speaker during the public forum section of this meeting may speak for five minutes or longer at the discretion of the Chair.

Please note that the public forum is to be confined to those items falling within the terms of the reference of this meeting.

Speakers will be put on a Public Forum speaking list on a first come first served basis in the Council Chamber prior to the start of the Meeting. A member of the Council Governance Team will be available to co-ordinate this. As many speakers as possible will be heard within the allocated time.

If you have any questions regarding Public Forum please contact Governance by telephoning 07 838 6727.

Council Report

Item 5

Committee: Environment Committee

Date: 10 May 2022

Author: Carmen Fookes

Authoriser: Michelle Hawthorne

Position: Senior Governance Advisor

Position: Governance and Assurance
Manager

Report Name: Confirmation of the Open Environment Committee Minutes – 22 February 2022

Report Status	<i>Open</i>
----------------------	-------------

Staff Recommendation - *Tuutohu-aa-kaimahi*

That the Environment Committee confirm the open Minutes of the Environment Committee meeting held on 22 February 2022 as a true and correct record.

Attachments - *Ngaa taapirihanga*

Attachment 1 - Open Unconfirmed Environment Committee Minutes – 22 February 2022

Environment Committee *Komiti Taiao* OPEN MINUTES

Minutes of a meeting of the Environment Committee held in Council Chamber and Audio Visual link, Municipal Building, Garden Place, Hamilton on Tuesday 22 February 2022 at 1.05pm.

PRESENT

Chairperson <i>Heamana</i>	Cr M Gallagher (exclusively via audio visual link)
Deputy Chairperson <i>Heamana Tuarua</i>	Cr S Thomson (exclusively via audio visual link)
Members	Mayor P Southgate Cr A O'Leary (exclusively via audio visual link) Cr K Naidoo-Rauf (exclusively via audio visual link) Cr D Macpherson Cr M Donovan Maangai N Hill (exclusively via audio visual link)
In Attendance	Cr van Oosten (exclusively via audio visual link) Cr Wilson (exclusively via audio visual link) Sean Hickey – General Manager Strategy and Communication Blair Bowcott – General Manager Growth Poppy Barran – Sustainability and Climate Change Advisor Jamie Sirl – Team Leader City Planning Alistair McCullough – Planning Lead, Biodiversity and Parks
Governance Team	Amy Viggers – Governance Lead Carmen Fortin and Tyler Gaukrodger – Governance Advisors

Maangai Hill opened the meeting with a karakia.

1. **Apologies – Tono aroha**
Resolved: (Cr Thomson/Cr Gallagher)
 That the apology for lateness from Cr O'Leary is accepted.
2. **Confirmation of Agenda – Whakatau raarangi take**
Resolved: (Cr Thomson/Cr Donovan)
 That the agenda is confirmed.
3. **Declarations of Interest - Tauaakii whaipaaanga**
 No members of the Council declared a Conflict of Interest.

4. Public Forum – Aatea koorero

Hannah Huggan spoke to item 7 (Update on the 2021/22 Climate Change Action Plan) stating that drastic systemic changes which recognise the social impacts of climate change are needed. She noted that over her three years of presenting to Council her message has been consistent in the obligation of Council to reduce emissions and mitigate the warming which has already occurred. She noted extreme climate events and the impact these have on the environment, support from the community for Council to do more in the climate and environment space, her support for the work of staff while simultaneously suggesting that Council needs to do more, and she suggested that there was a need for urgency and more ambitious goals to result in real action. She responded to questions from Members concerning Central Government funding limitations for public transportation projects.

Cr O'Leary joined the meeting (1.14pm) during discussion of the above item.

5. Confirmation of the Open Environment Committee Minutes – 30 November 2021

Resolved: (Cr Macpherson/Maangai Hill)

That the Environment Committee confirm the Open Minutes of the Environment Committee meeting held on 30 November 2021 as a true and correct record.

6. Chair's Report

The Deputy Chair took the report as read, noting the Elected Member feedback on the urban tree strategy. The Chair noted the correspondence from Tui2000 (**Appendix 1**), and applauded the organisation for their ongoing work and the contribution to the city.

Resolved: (Cr Thomson/Cr Gallagher)

That the Environment Committee receives the report.

7. Update on 2021/22 Climate Change Action Plan

The Sustainability and Climate Change Advisor took the report as read, noting the purpose of the report was to provide an update on the Climate Change Action Plan. She noted that this report was the second update to the Climate Change Action Plan with the first being in November 2021, outlined changes to the reporting and actions, inclusion of the biogenic emissions in reporting, actions to reduce emissions, projects planned in regard to behaviour change and Council emissions, and changes to the planned staff Climathon event due to Covid restrictions.

She responded to questions from Members concerning long-term strategy to employ AC charging around the city, delay to the Municipal Building's centralised air-conditioning project and other energy initiatives, strategy for phasing out natural gas, utilisation of renewable energy sources at Council facilities, management and hierarchy of energy choices, schools cycling education programme, coordinating strategies with partners including mana whenua, next steps for waste minimisation including tyre waste, sustainability scorecard and action plan reporting, rainwater and greywater initiatives, wellbeing indicator report measures, and strategy inclusion within the action plan.

Resolved: (Cr Donovan/Cr Macpherson)

That the Environment Committee receives the report.

8. Waikato Bat Alliance and Waikato Regional Bat Strategy

The Team Leader City Planning noted the process in developing the Waikato Regional Bat Strategy and the range of views represented in the strategy relevant to the protection of bat habitats and the preservation of the presence of bats in the city. He noted that the next step was to bring the Strategy to a hui in late March following endorsement from various government entities. Staff responded to questions from Members concerning the maatauranga Maaori components of the strategy, preservation of mature trees, predator prevention, volunteer groups, and intent of community involvement and education.

Resolved: (Maangai Hill/Cr Naidoo-Rauf)

That the Environment Committee:

- a) receives the report;
- b) endorses the Waikato Regional Bat Strategy (**Attachment 1**, page 3); and
- c) notes continued staff participation in the Waikato Bat Alliance, with the objective of working collaboratively towards the vision of the Waikato Regional Bat Strategy.

9. General Manager's Report

The General Manager took the report as read. He responded to questions from Members concerning the workplace travel plan including the proposed timeline.

Resolved: (Cr Thomson/Maangai Hill)

That the Environment Committee receives the report.

Cr Macpherson dissenting.

Maangai Hill closed the meeting with a karakia.

The meeting was declared closed at 2.21pm.

Appendix 1

Cr Martin Gallagher
Chairperson
Environment Committee
Hamilton City Council
Email: natureinthecity@hcc.govt.nz

Dear Martin

NATURE IN THE CITY

On behalf of Tui 2000 Inc members, I wish to pass on our congratulations on the adoption of the Nature in the City strategy “to shape a healthy, vibrant and green city that future generations can protect and enjoy”.

From our experience, your targets for the next 30 years are both very worthwhile and achievable and we strongly support the Council’s commitment of \$29 Million for the 2021-2031 Long Term Plan.

Tui 2000 has worked in the environmental area for over 30 years and we are under no illusions about the time and resources needed to achieve your targets.

For the past fifteen years or so Tui’s main focus has been on the Waiwhakareke Natural Heritage Park (WNHP). While we will continue with voluntary work in the Park we are delighted that the Council is now picking up and greatly expanding on the roles we have carried out through the incorporation of the Park’s management under the Zoo and some very strong appointments of fulltime staff for WNHP. Tui’s roles at the Park - and more - have been incorporated into the job descriptions of those new positions. Naturally, members are delighted and relieved with the transfer of the responsibility to raise the funding and organise the planting programme for the Park.

It has been noted that HCC has started work on extending the City’s Significant Natural Areas. Tui 2000 is keen to support the goal of 10% urban area in natural vegetation but we fear there will be opposition to the extensions of SNAs since some will see them as an infringement of property rights and because the Council’s regulations around SNAs are still in development - as are the programs that will support gully owners. We think it would help if there was extensive education and publicity as to what an SNA is and how the city is going to manage them.

In addition, we suggest a strong focus on developing a program to develop natural areas both public and private and to embed that firmly in the 10-year plan. As a part of that the Gully Reserves Management Plan needs to be reviewed including naming the gullies accurately and mapping their extents accurately.

Amongst our members, we have experienced volunteers who work in gullies across the city and would be available to share their knowledge with the Committee, Staff and property owners. We participate in the Kirikiriroa Gully Restoration Group with Go Eco working with HCC staff and sharing experiences with new volunteers.

We are also delighted to see that the Zoo management is currently advocating for the employment of a Volunteer Coordinator. This in association with the online volunteer registration form, lets hope HCC can reach the 1000 volunteers target.

As I said, Tui 2000 Inc wants to help, please let us know if the Committee can suggest a role for us to assist the Council achieve the goals set out in its Nature in the City strategy.

Yours sincerely

Lynne Garnham
Chairperson Tui 2000 Inc
0211714749

Council Report

Committee: Environment Committee

Date: 10 May 2022

Author: Carmen Fortin

Authoriser: Michelle Hawthorne

Position: Senior Governance Advisor

Position: Governance and Assurance
Manager

Report Name: Chair's Report

Report Status	<i>Open</i>
----------------------	-------------

Chair and Deputy Chair Recommendations:

1. That the Environment Committee receives the report

Attachments

Attachment 1 - Chair's Report



Chair's Report

Nature in the city

We are excited by some of the progress we're making towards the vision set out in the Nature in the City Strategy to restore 10% of Kirikiriroa Hamilton to native habitat by 2050. We would like to make special mention of Minister Kiri Allen's visit to Mangaiti Gully. The funding from the Jobs for Nature programme, along with the water stimulus funding, has not only been a big boost for the restoration of this special area but has also helped to increase community access.

We are also looking forward to the Ground Breaking event at Donny Park/Kukutaaruhe Gully, to commemorate the first project for our thirty-year Nature in the City Programme. The Kukutaaruhe Gully/Donny Park restoration project will plant 10,000 native plants over five years. It will also include path upgrades and new infrastructure so that our community can enjoy nature within their own neighbourhood.

Meeting with Minister for Climate Change

As previously discussed we are in the process of attempting to finalise a meeting Minister via zoom or in person.

Climate emergency

We are increasingly concerned by the slow progress this council is making on climate change.

The most recent Intergovernmental Panel on Climate Change report made it clear that it's now or never. If we want to limit warming to around 1.5°C, then emissions need to peak before 2025 at the very latest. Emissions then need to reduce by 43% by 2030.[1]

This will involve "rapid and deep and in most cases immediate GHG emission reductions in all sectors."

We're not even close to achieving this in Hamilton.

We respect the democratic process of the annual plan. However, we would like to take the opportunity to express our disappointment at the decision to fund the climate resourcing from 'existing budgets' which not only leaves us with uncertainty as to the ongoing sustainability of this funding, but sends a message to the organisation that, as a governance body, we don't see climate change as being important enough to commit even a modest amount of funding to. There's a lot we need to do in order to build the capacity of the organisation to deliver on the targets we set through the climate strategy - it will require a significant step change in how we do things. However, this starts at a governance level.

We hope that the climate change strategy and targets being developed will provide greater clarity on where we need to focus our efforts in the very little time we have between now and 2030. It is frustrating that we won't have a draft strategy until so late in the term and this is just one example of how important it is that we adequately resource, build capacity and give clear direction as elected members that climate change is a priority.

Of course, this isn't just about reducing emissions. Climate change is already affecting us and presents a number of significant risks to us here in Aotearoa New Zealand, including risks to potable water supply, financial stability, buildings, ecosystems, human health, social cohesion (due to people being displaced by coastal erosion and inundation) and more.[2]

Given the potential for climate change to significantly impact the wellbeing of our community, the council also has a very clear responsibility to lead and build resilience in the face of these challenges; if we don't act to adapt now, we will pay a much heavier price in the future.

[1] <https://www.ipcc.ch/report/ar6/wg3/>

[2] <https://environment.govt.nz/assets/Publications/Files/national-climate-change-risk-assessment-main-report.pdf>

Chair and Deputy Chair Recommendations:

That the Environment Committee receives the report.

Cr Martin Gallagher
Chair of the Environment Committee

Cr Sarah Thomson
Deputy Chair of the Environment Committee

Council Report

Committee: Environment Committee

Date: 10 May 2022

Author: Carmen Fookes

Authoriser: David Bryant

Position: Senior Governance Advisor

Position: General Manager People and Organisational Performance

Report Name: Waikato Regional Council Verbal Updates

Report Status	<i>Open</i>
----------------------	-------------

Purpose - *Take*

1. To provide an update to the Environment Committee regarding air quality and pollution, and the Climate Change Workstream (Waikato Plan).
2. Waikato Regional Council Elected Members and staff will present a verbal report.

Staff Recommendation - *Tuutohu-aa-kaimahi*

3. That the Environment Committee receives the report.

Item 7

Council Report

Item 8

Committee: Environment Committee

Date: 10 May 2022

Author: Poppy Barran

Authoriser: Sean Hickey

Position: Sustainability and Climate
Change Advisor

Position: General Manager Strategy
and Communications

Report Name: Update on 2021/22 Climate Change Action Plan

Report Status	Open
---------------	------

Purpose - *Take*

1. To inform the Environment Committee on the delivery of the 2021/22 Climate Change Action Plan to date.

Staff Recommendation - *Tuutohu-aa-kaimahi*

2. That the Environment Committee receives the report.

Executive Summary - *Whakaraapopototanga matua*

3. Staff present a yearly Climate Change Action Plan to the Environment Committee and provide a quarterly update on the delivery of this plan via a Monitoring Report.
4. The 2021/22 Climate Change Action Plan was approved at the 26 August 2021 Environment Committee meeting, with a subsequent amendment at the 30 November 2021 Environment Committee meeting.
5. The first quarterly Monitoring Report for the 2021/22 Climate Change Action Plan was provided at the 30 November 2021 Environment Committee meeting. The second quarterly Monitoring Report was provided at the 22 February 2022 Environment Committee meeting.
6. The third quarterly Monitoring Report for the 2021/22 Climate Change Action Plan can be seen in **Attachment 1**.
7. Previous discussions with the Chair and Deputy Chair of the Environment Committee led to agreement that due to the impacts of COVID-19 and sickness across the organisation, and staff workload, the third Monitoring Report would be an update only on projects which have seen significant changes since February 2022.
8. The third quarterly Monitoring Report (**Attachment 1**) shows that most actions are on track, with four out of 45 actions requiring additional monitoring or have had timing adjustments as a result of COVID-19 restrictions or resourcing issues.
9. This report also highlights some corrections to previously reported electricity usage, which staff have since realised were incorrect at the time of reporting. The correct figure plus more recent electricity and gas usage statistics are provided.
10. Staff consider the matters in this report have low significance and that the recommendations comply with the Council's legal requirements.

Background - *Koorero whaimaarama*

11. On 10 September 2020, the Environment Committee approved the first Climate Change Action Plan for the 2020/21 period. In the 2020/21 Action Plan, Council set two emissions reduction targets for our operational emissions and outlined actions to support emissions reduction and adaptation across the city.
12. On 1 June 2021 staff presented a final report to the Environment Committee of the actions delivered in the 2020/21 Action Plan.
13. Staff presented the updated Action Plan for this financial year (2021/22) to the Environment Committee on 26 August 2021. The report was approved subject to an additional section being included in the Action Plan regarding the targets, actions, and timing for emissions reduction. At the same Committee meeting a forward work programme was approved for the Environment Committee, which included a quarterly monitoring report on the delivery of the 2021/22 Action Plan.
14. The additional section to the Action Plan was added to the 2021/22 Action Plan and presented at the 30 November 2021 Environment Committee meeting, along with the first quarterly Monitoring Report for the 2021/22 Action Plan.
15. At the 30 November 2021 Environment Committee meeting, staff were asked to include information on biogenic emissions in the next Monitoring Report of the 2021/22 Action Plan, and to report back on options to reduce emissions from Council's energy use, including opportunities for reducing energy consumption, increasing energy efficiency, and onsite renewable energy generation.
16. The second quarterly Monitoring Report for the 2021/22 Action Plan was presented at the 22 February 2022 Environment Committee meeting and included information on work undertaken and the effects of COVID-19 on reducing emissions from Council's energy use. It was reported that a 4.4% reduction in electricity and a 58% reduction in natural gas was achieved for the period of July-November 2021 (compared to July-November 2020). Staff have since realised that incomplete data and a reporting error mean the electricity usage was incorrect.
17. The electricity and natural gas figures for July-November 2021 have been checked and reviewed by Council's Energy Consultant and we are confident with the figures which are provided in the current report.
18. Staff continue to monitor Council's energy use and have provided updated electricity and natural gas statistics for July 2021-February 2022.

Discussion - *Matapaki*

Monitoring of the delivery of the 2021/22 Climate Change Action Plan

19. The third quarterly update on the delivery of the 2021/22 Climate Change Action Plan is provided in **Attachment 1**.
20. This Monitoring Report includes updates only on those projects which have seen significant changes since the second Monitoring Report presented at the 22 February 2022 Environment Committee meeting, as agreed by the Chair and Deputy Chair of the Environment Committee.
21. The third quarterly Monitoring Report (**Attachment 1**) shows that most actions are on track. There are six out of 45 actions requiring additional monitoring or have had timing adjustments as a result of COVID-19 restrictions or resourcing issues, and three actions completed.

Update on emissions from Council's energy use

22. In the second quarterly Monitoring Report for the 2021/22 Climate Change Action Plan (presented at the 22 February 2022 Environment Committee meeting), staff reported changes in Council's electricity and natural gas use due to a number of different projects and the impacts of COVID-19.
23. It was reported that a 4.4% reduction in electricity and a 58% reduction in natural gas were achieved for the period of July-November 2021 (compared to July-November 2020).
24. Staff have since realised that at the time of reporting, there was incomplete data and an error was made in calculating the figures for electricity usage.
25. Staff have reviewed the figures and confirm that for the period of July-November 2021, electricity use increased by 1.5% (compared to July-November 2020). This equates to 22 tonnes of carbon dioxide equivalent (tCO₂e).
26. The previously reported natural gas usage for July-November 2021 compared to July-November 2020, remains correct.
27. Staff have continued to monitor Council's energy use and now have figures for July 2021-February 2022. Compared to the same period the year before (July 2020-February 2021), electricity use increased by 2.2%. This equates to 59 tCO₂e. For this same period, natural gas use reduced by 42%, saving 710 tCO₂e.
28. Therefore, electricity use has increased so far in the 2021/22 financial year compared to the previous financial year. Natural gas use has declined so far in the 2021/22 financial year compared to the previous financial year. This information is summarised in the table below.

Table 1. Changes in Council's energy use for July 2021-November 2021 compared to the same period the previous year, and for July 2021-February 2022 compared to the same period the previous year

	July 2021 - November 2021 vs July 2020 - November 2020	July 2021 – February 2022 vs July 2020 – February 2021
Electricity use	Increase by 1.5% 22 tCO ₂ e	Increase by 2.2% 59 tCO ₂ e
Natural gas use	Decreased by 58% 557 tCO ₂ e	Decrease by 42% 710 tCO ₂ e

29. The largest electricity increases seen so far for this financial year, have been at:
 - a) Wastewater Treatment Plant – we are no longer using the natural gas engine to minimise peak demand (we are now only using this for emergency back-up), which means we are also not using the natural gas to produce electricity at the plant. This means we are required to import more electricity from the national grid to the Wastewater Treatment Plant
 - b) Water Treatment Plant – we have seen an increased water use over the dry summer, which has required more electricity at the Water Treatment Plant
 - c) New reservoirs and large sewage pumps – these require electricity to operate.
30. The largest natural gas reductions seen so far for this financial year, have been at:
 - a) Wastewater Treatment Plant – we are no longer using the natural gas engine to minimise peak demand (we are now only using this for emergency back-up);

- b) Waterworld – due to impacts of COVID-19 restrictions;
 - c) FMG Stadium – due to the impacts of COVID-19 restrictions; and
 - d) Claudelands Events Centre – due to the impacts of COVID-19 restrictions.
31. While it is positive to see an increase in a more renewable energy source (electricity) and a decrease in a higher-emissions energy source (natural gas), we need to continue focus on improving energy efficiency and reducing energy consumption overall.
 32. As outlined in the previous report and **Attachment 1**, there are a number of key projects already underway to achieve this. For example, work has commenced on strategic master planning for the Wastewater and Water Treatment Plants, which includes investigation of how to optimise the use of biogas to provide process heating and electricity generation for the Wastewater Treatment Plant, creating a circular process of energy production and use onsite.
 33. However, further work is required, and this will be a key focus of the next Climate Change Action Plan and the Climate Change Strategy – both of which are currently in development.

Financial Considerations - *Whaiwhakaaro Puutea*

34. This is a regular operating activity that was approved as part of our work programme and has been delivered through funding that was allocated in the 2021-31 Long-Term Plan.

Legal and Policy Considerations - *Whaiwhakaaro-aa-ture*

35. Staff confirm that the recommendation complies with the Council's legal and policy requirements.

Wellbeing Considerations - *Whaiwhakaaro-aa-oranga tonutanga*

36. The purpose of Local Government changed on the 14 May 2019 to include promotion of the social, economic, environmental and cultural wellbeing of communities in the present and for the future ('the 4 wellbeings').
37. The subject matter of this report has been evaluated in terms of the 4 wellbeings during the process of developing this report as outlined below.
38. The recommendations set out in this report are consistent with that purpose.

Social

39. Climate change has the potential to reduce our community's social wellbeing, especially our more vulnerable community members. The 2021/22 Climate Change Action Plan includes actions that will support Council to identify these potential risks and to take action to minimise the risks and enhance social wellbeing.

Economic

40. The delivery of the 2021/22 Climate Change Action Plan outlines how we are supporting the transition to a low-carbon economy in Hamilton. As we gain a better understanding of the potential economic risks and opportunities facing the city, we can collaborate with others to address them.

Environmental

41. The delivery of the 2021/22 Climate Change Action Plan will reduce greenhouse gas emissions and build our resilience. This includes reducing Council's operating emissions and enabling others to reduce emissions through actions like improved cycleways and public transport.

Cultural

42. The long-term impacts of climate change may affect the cultural wellbeing of our community, for example if values and customs are unable to be undertaken or if native biodiversity (that play an important part in culture) is lost.
43. Delivery of the Climate Change Action Plan will require collaboration across the organisation and with the community, to understand these risks and build consideration of them into long-term decisions.
44. In line with He Pou Manawa Ora, the delivery of this Action Plan will contribute towards He Pou Manawa Koorero (Pillar of History). This pillar reminds us of the value of our unique history of language, people, and place. By responding to climate change and protecting the values, customs, and other cultural aspects of our community, we will protect and restore the unique history of Kirikiriroa Hamilton.
45. Delivery of this Action Plan also contributes to He Pou Manawa Taurika (Pillar of Prosperity) as responding to climate change will provide safety, security and opportunities for our community and culture to prosper in a changing environment.
46. Projects in the Action Plan also speak to the Pillar of Restoration, He Pou Manawa Taiao, as restoring and enhancing our natural environment is a key part of our climate change response.

Risks - *Tuuraru*

47. There are no known risks associated with the decisions required for this matter.

Significance & Engagement Policy - *Kaupapa here whakahira/anganui*

Significance

48. Staff have considered the key considerations under the Significance and Engagement Policy and have assessed that the matter(s) in this report has/have a high level of significance.

Engagement

49. Community views and preferences are already known to the Council previous engagements, including consultation on the Long-Term Plan. Additional engagement on the implementation of specific projects will occur on a case-by-case basis.
50. Given the low level of significance determined, the engagement level is low. No engagement is required.

Attachments - *Ngaa taapirihanga*

Attachment 1 - Climate Change - Project - 2021 22 Climate Change Action Plan - Monitoring Report
May 2022 DRAFT

2021/22 Climate Change Action Plan – Monitoring Report

May 2022

Attachment 1

Item 8

Our climate change response			
Action	Description	Update May 2022	Status
Climate Change and Environment Policy	We are developing a Climate Change and Environment Policy, which will ensure that climate change is embedded in our decision-making process across Council.	The first draft has been reviewed by the Environment Committee and staff are now testing the Climate Impact Assessments (appendices to the policy) with different units across the organisation. Due to the impacts of COVID-19 in the Climate Change and Sustainability Team, the timeline has been pushed out and staff will now be seeking approval of the Climate Change Policy from Council in June 2022.	Timelines delayed due to COVID-19 impacts
Climate Change Strategy	We are developing our Climate Change Strategy, which will outline our vision for Kirikiriroa Hamilton in 2050 and how we will transition to a low carbon, resilient city.	The first draft has been reviewed by the Environment Committee and key stakeholders, including iwi partners, via a series of online meetings and workshops. We are now working to incorporate all feedback into a final draft. We continue to work with consultants to set emissions reduction targets and plan to host a workshop on this with Elected Members in May 2022. Due to workload and the impacts of COVID-19, the final draft will now be presented to Council in June 2022.	Timelines delayed due to COVID-19 impacts
Climate Change Strategy Implementation Plan	This plan will be developed following adoption of the Climate Change Strategy.	<i>No significant changes since last report</i> – Relevant ideas from the Strategy development have been noted to assist with developing the Implementation Plan at a later date.	On track
Capacity building	We will continue to build capacity on climate change across the organisation.	A key initiative from the Corporate Sustainability Working Group was to provide more regular sustainability and climate change communications to the organisation. Staff have since launched a 'Climate Corner' section in Moorena Mail which will highlight the climate action stories of different units, people, and projects throughout Council. The Waikato Climathon 2022 was promoted across the organisation and a number of Hamilton City Council staff were involved as experts, mentors, and attendees.	On track

Action	Description	Update	Status
Collaboration and communication	We will continue to collaborate with our community and stakeholders.	The draft Climate Change Strategy has been shared with key stakeholders including representatives from other Councils, THaWK, members of the Voice of Hamilton Kirikiriroa citizens panel, and local organisations and businesses such as the University of Waikato and Go Eco. Hamilton City Council sponsored the Climathon Waikato 2022 and were involved in multiple events. We continue to represent Hamilton City Council in climate-focussed groups in the region, such as the Waikato Plan (climate change workstream) and WLASS (Energy and Carbon Management Group).	On track
Hamilton Climate Accord	We will invite leading organisations across the city to be a part of the Accord and to partner with us in taking action on climate change.	We have initiated contact with organisations and businesses who previously expressed interest in the Climate Accord, to confirm their involvement and seek feedback on the Climate Change Strategy. We will continue to engage with appropriate local stakeholders to ensure we have the right representation in the group, and plan to develop the Climate Accord membership over the next few months.	On track

Reducing our operational emissions				
Action	Description	Update	Emissions profile source	Status
Measure 2020/21 emissions profile	<p>Each year we will measure the non-biogenic emissions from council activities and operations, building, facilities, and our fleet. Non-biogenic emissions are produced non-biological sources, and most notably from fossil fuels.</p> <p>We have a target to achieve 50% reduction of gross emissions (excluding biogenic methane) by 2030.</p>	<i>No significant changes since last report</i> – Our emissions profile for 2020/21 has been calculated, and we generated 10,802tCO ₂ e of non-biogenic emissions.	N/A	Completed
Monitor biogenic emissions	<p>Biogenic emissions are those produced from biological (plant and animal) sources. In 2018/19 the Council generated 11,159tCO₂e of biogenic emissions from the treatment of Hamilton's wastewater.</p> <p>We have a target to achieve a 25% reduction of emissions of biogenic methane by 2030.</p>	<i>No significant changes since last report</i> – We have calculated our biogenic emissions for 2020/21 to be approximately 10,892tCO ₂ e, which is a slight (2%) reduction from baseline.	N/A	Completed

Action	Description	Update	Emissions profile source	Status
Fleet improvements	As vehicles are renewed, they will benefit from continuous fuel efficiency improvements. We will replace petrol and diesel fleet vehicles with lower-emissions alternatives and implement behaviour change projects that encourage more sustainable travel.	In March 2022, staff presented a high-level roadmap for the future of fleet at Hamilton City Council to Elected Members. This was well-received, and work is progressing to further finalise this along with an organisational strategy for fleet.	Fuel	On track
Ongoing behaviour projects – Fleet	We are investigating options to reduce emissions from Council's fleet use, including the Workplace Travel Plan, e-bike schemes, and other behaviour-change projects.	Work is progressing on the staff Workplace Travel Plan, and this is expected to be presented at the Environment Committee meeting in August 2022 (<i>see page 11 for further information</i>). Staff continue to work on options for promoting alternative modes of transport, such as redevelopment of the corporate e-bike storage space and a staff training module for using e-bike, to make this mode of transport more accessible to staff.	Fuel	On track
Energy efficiency and sustainability upgrades at community libraries	Emissions reductions plans are being scoped out as part of libraries renewals programmes over the next 10 years.	<i>No significant changes since last report</i> – Staff are working on the designs for a new heating and ventilation system at Garden Place library. The main carbon reductions will occur once the new system is installed and natural gas will no longer be required, which is expected to be in 2022/23.	Electricity Natural gas	On track
Upgrade lighting in Council Municipal Building	Lighting in the Municipal Building will be upgraded to LED lights which adjust based on the amount of natural light and motion.	Occupancy and daylight-controlled light upgrades have been completed on Levels 2 and 6 (Caro Wing). The remaining upgrades are going ahead as planned, including lights on Level 5 which have been installed and the controls are now being calibrated.	Electricity	On track

Action	Description	Update	Emissions profile source	Status
Renew heating, ventilation, and air conditioning in Municipal Building	The centralised air conditioning system will be replaced with a decentralised one. The two gas boilers and cooling towers will become redundant.	This project recommenced in February 2022 as planned, following previous delays due to labour and resourcing issues. A new timeline has been agreed with the contractor and the aim is to changeover to the new system floor by floor over the next 10 months. All major equipment is now purchased and held either on site or off site.	Natural gas	On track
Change to a low-carbon heat source at Waterworld	The current heating source used at Waterworld will change to a low-carbon heating source in 2021/22, with an objective to reduce carbon emissions from water heating by at least 80%.	<i>No significant changes since last report</i> – Staff are considering how the decision to enclose the Outdoor Pool at Waterworld (from 2023/24) will impact this project, as year-round use of the outdoor pool will require heating. A heating consultant is expected to be appointed for this work by February 2022.	Natural gas	On track
Changes to heating and planting at the nursery	Changes in planting will reduce the need for heating, and we are investigating options for the heating that is required.	The changes to heating and planting at the nursery have been implemented and have led to a reduction in natural gas use and therefore emissions. Staff will continue to monitor but do not expect any further major adjustments until renewals are underway.	Natural gas	Completed

Action	Description	Update	Emissions profile source	Status
Change to an alternative energy source at Pukete Wastewater Treatment Plant	We are investigating options to utilise biogas that is produced on site and currently flared, as a resource to provide electricity, heat and/or hydrogen instead.	Works undertaken to date at the Wastewater Treatment Plant have identified the need to replace the gas collection systems and the co-generator. This work will ensure that gas re-use is improved and optimised to efficiently provide process heating and generate electricity. In the Annual Plan 2022/23 discussions held in March 2022, some of the original funding for this project was brought forward to purchase critical operations equipment at Pukete Wastewater Treatment Plant. Funding was also brought forward to complete a business case to replace the gas collection system and co-generator. This business case will enable a funding decision to be made for the 2023/24 Annual Plan process to achieve the planned emissions reductions anticipated in the 2021-31 Long Term Plan.	Electricity Natural gas	On track
Ongoing behaviour projects – Energy	We are investigating options to reduce emissions from Council's energy use through behaviour change projects.	<i>No significant changes since last report</i> – Staff will work with the Corporate Sustainability Working Group and Energy Consultant to identify behaviour change projects to reduce energy usage across the business.	Electricity Natural gas	On track
Ongoing behaviour projects – Waste	We are investigating options to reduce emissions from Council's waste through behaviour-change projects.	<i>No significant changes since last report</i> – Staff will work with the Corporate Sustainability Working Group and the waste team to identify behaviour change projects for minimising waste across Council. Further information can be found in the 'Update on the 2018-2024 Waste Management and Minimisation Plan' report – see Environment Committee Open Agenda, 10 May 2022.	Waste	On track

Item 8

Attachment 1

Creating a low carbon city					
Outcome area	Action	Description	Update	Responsible committee	Status
Transport	Access Hamilton refresh	We are updating our transport strategy, Access Hamilton. This will guide how we plan our transport infrastructure and services; how we will reduce transport emissions; and the role of walking, cycling, public transport and alternative fuels in reducing emissions. We expect this to be completed in 2022.	A third workshop was held with Elected Members in April 2022 to discuss outcomes of Access Hamilton by asking 'what good looks like' and identifying opportunities and challenges for transport in Hamilton. The feedback and direction provided by Elected Members will continue to help shape the document. A fourth workshop will be held in May 2022 to discuss setting actions and key performance indicators. Staff have been working further with Elected Members to refine and shape the draft principles to ensure that the final document reflects the needs of both Hamiltonians and Elected Members.	Infrastructure Operations	On track
	Eastern Pathways – Schools Link Programme Business Case	Eastern Pathways – Schools Link is a programme of active transport and public transport infrastructure along Hukanui Road and Peachgrove Road.	<i>No significant changes since last report</i> – At the Waka Kotahi Board meeting in December 2021, the Board formally approved funding for the Eastern Pathways – Schools Link Programme. The Board endorsed the business case and approved \$2.8m of pre-implementation funding for two major sections of the project. Staff are currently focussing on pre-implementation work for these sections. Further information can be found in the Infrastructure Operations Committee Open Agenda, 24 February 2022 .	Infrastructure Operations	On track

Outcome area	Action	Description	Update	Responsible committee	Status
Transport (cont.)	Biking & micro-mobility connectivity projects	We are making it easier for people to walk, ride, and scoot around our city, and to reduce our transport emissions and dependency on private vehicles.	<i>No significant changes since last report</i> – We continue to upgrade and provide biking infrastructure across the city, including cycle wands, intersection improvements, cyclist footrest rails, bike parking facilities, and more. Key actions for improving pedestrian and cyclist connectivity and safety have been completed, and further projects are being investigated and designed, including the Claudelands East intersections of Claudelands Road/Heaphy Terrace/Grey Street/Brooklyn Road/O'Neil Street and the Lake Domain Road/Killarney Road intersection linking to the Western Rail Trail. Further information can be found in the Infrastructure Operations Committee Open Agenda, 24 February 2022 . In December 2021, the Infrastructure Operations Committee approved the partial delivery of the planned Biking and Micro-mobility Programme utilising \$1.5m of budgeted Hamilton City Council funding, without Waka Kotahi co-investment, from the current financial year. Priority sites for delivery are currently being assessed. Further information can be found in the Infrastructure Operations Committee Agenda and Minutes , 7 December 2021.	Infrastructure Operations	On track

Item 8

Attachment 1

Outcome area	Action	Description	Update	Responsible committee	Status
Transport (cont.)	Biking & micro-mobility Programme Business Case	This programme focuses on extending Hamilton's multi-modal transport network, to encourage biking and micro-mobility as a safe and attractive transport options.	<i>No significant changes since last report</i> – We continue to make good progress with Waka Kotahi to finalise the business case for this city-wide programme. The business case is likely to be presented to the Waka Kotahi board in August 2022. Further information can be found in the Infrastructure Operations Committee Agenda, 24 February 2022 .	Infrastructure Operations	On track
	Education and training	Provide education and training, including a cycle skills programme for both schools and the community to build rider skills and confidence.	Planned events reported previously for 'Bike Month' (February 2022) were unfortunately cancelled due to COVID-19 restrictions. However, staff have been able to deliver the Kids on Bikes Programme to four primary schools in term one and staff will continue to carry out the programme part-way through term two. So far, the programme has been delivered to 575 children overall. Staff have also promoted active travel in schools which has been shared on school social media platforms. We will continue to monitor the COVID-19 restrictions and potential impacts on education and training. The Draft 2022/23 Annual Plan includes considering for funding a 2-year pilot for school travel plans.	Infrastructure Operations	At risk – COVID-19 impact

Outcome area	Action	Description	Update	Responsible committee	Status
Transport (cont.)	Improving our bus network	We are working with Waikato Regional Council and Waka Kotahi to make our key public transport routes more reliable and to make it easier for people to batch buses.	<i>No significant changes since last report</i> – Studies to identify specific network issues and infrastructure opportunities that will help improve service reliability, attract more patrons, and inform long-term planning for public transport, have been completed or are nearing completion for the Comet, Meteor, Rototuna, and hospital area services. In December 2021, the Infrastructure Operations Committee approved bringing forward and reassigning local share transport funding to public transport improvements in 2021/22. Staff are currently assessing priority areas for delivery along the Comet and new Meteor routes. Further information can be found in the Infrastructure Operations Committee Agenda and Minutes , 7 December 2021, and in the Infrastructure Operations Committee Agenda, 24 February 2022 . Further funding for public transport improvement is being considered from Year 3 in the Draft 2022/23 Annual Plan.	Infrastructure Operations	On track

Item 8

Attachment 1

Outcome area	Action	Description	Update	Responsible committee	Status
Transport (cont.)	Transport Centre Rejuvenation Project	This project focuses on improving accessibility, safety, and operational efficiency of the Transport Centre.	The Request for Expressions of Interest closed, with three parties shortlisted and invited to respond to the next stage, a Request for Proposal, which closes at the end of April 2022. Staff plan to present to the Central City River Plan Committee in May to discuss potential location for temporary bus stops. We plan to form an advisory group to ensure that the scope of the business case is incorporated into the design.	Infrastructure Operations	On track
	Hamilton City Council Workplace Travel Plan	Work is underway to provide more sustainable modes of traveling to, from, and during work for Hamilton City Council staff.	Staff are working towards finalising the draft Workplace Travel Plan and intend to launch the plan to staff in May 2022 – this has been delayed due to most staff working from home and not needing to travel, due to COVID-19 restrictions. The proposal for funding to subsidise 50% bus travel for staff for a period of six months was not agreed for inclusion in the 2022/23 Annual Plan so staff will continue to develop and deliver on other actions currently funded and endorsed within the draft plan. Further updates will be brought to the Environment Committee in August 2022.	Infrastructure Operations	Timelines delayed due to COVID-19 impacts

Outcome area	Action	Description	Update	Responsible committee	Status
Transport (cont.)	Electric vehicle charging stations	We are looking into partnership opportunities for EV charging stations throughout the city, to align with WRC Regional Charging Plan.	As reported at the Infrastructure Operations Committee meetings on 7 December 2021 and 24 February 2022 , conversations are continuing with electric vehicle charging station providers as more companies approach Hamilton City Council to discuss their products. Staff are preparing a proposal for the installation of AC electric charging stations (including infrastructure) for a pilot/trial period yet to be determined. This proposal will be presented to the Infrastructure Operations Committee in 2022. At the 24 February 2022 Infrastructure Operations Committee , it was also resolved for staff to report back to the 31 May 2022 Infrastructure Operations Committee meeting on options to develop a 'strategic charging network plan'.	Infrastructure Operations	On track

Item 8

Attachment 1

Outcome area	Action	Description	Update	Responsible committee	Status
Urban form	Hamilton Urban Growth Strategy review	Climate change will be considered throughout the review process of the Hamilton Urban Growth strategy, which is our spatial vision for the city.	<i>No significant changes since last report</i> – The timeframes for reviewing Hamilton Urban Growth Strategy have been shifted to align with the District Plan Change. This will ensure that the evidence basis for Hamilton Urban Growth Strategy can be relied upon by the District Plan Change team (and vice versa). A key part of this strategy review is to embed climate change considerations into the way the city prioritises how we accommodate growth.	Strategic Growth	On track
	District Plan review	We are currently reviewing the District Plan to respond to the National Policy Statement for Urban Development and the Resource Management (Enabling Housing Supply and Other Matters) Act. Through this work, we need to give effect to the Vision and Strategy for the Waikato River, which will give rise to improved climate change outcomes.	<i>No significant changes since last report</i> – Staff continue to work through the implications of the new act with the aim to notify variations to the plan by August 2022.	District Plan	On track
	Greenway corridor for Rotokauri	The greenway corridor will act primarily as a stormwater device for Rotokauri, but will also create an opportunity for cycleways, walkways, planting and habitats.	<i>No significant changes since last report</i> – Climate change continues to be considered throughout the development of the greenway corridor, for example by ensuring developers are investing in flood modelling and stormwater concept designs which take into account climate change.	Strategic Growth	On track

Outcome area	Action	Description	Update	Responsible committee	Status
Urban form (cont.)	Walking, cycling and public transport for Rotokauri	We are integrating walking, cycling and public transport infrastructure and services in our future plans for Rotokauri.	<i>No significant changes since last report</i> – Stage 2 of the Zoo Waiwhakareke Entry Precinct project is underway, which includes road urbanisation to reduce speed, improve crossing safety for all, and a shared path linking the newly built Baverstock Road path through to the entry precinct.	Strategic Growth	On track
	Peacocke Green Star Community rating	We are using the Green Star Communities Framework to guide and support the development of a sustainable community for Peacocke.	<i>No significant changes since last report</i> – Staff continue to work with consultants to undertake a Climate Change Risk Assessment and prepare a Climate Adaptation Plan for the Peacocke area, as part of the Green Star Communities application. A workshop with key stakeholders from both within and outside Council was held in late January 2022, to explore the risks and opportunities in this space.	Strategic Growth	On track
	Environmental wellbeing activities for Peacocke	We will protect and enhance the natural taonga, green spaces, and biodiversity as we develop Peacocke.	Work continues in accordance with the Ecological Monitoring and Management Plan with annual bat monitoring survey work completed and the assessment and reporting under way. Restoration work continues on three sites. The Department of Conservation has recently reclassified the Copper Skink, however this is not expected to significantly affect existing approvals and protocols.	Strategic Growth	On track
	Peacocke Plan Change 5	As we design for Peacocke, we are incorporating high ecological and transport outcomes, increasing density to support public transport, and protecting the natural environment.	A summary of submissions and further submissions has been prepared following the closure of the further submission period process. In total 58 submissions and 18 further submissions were received. Staff are now preparing the variation to the plan change with the variation to be notified in August.	Strategic Growth	On track

Item 8

Attachment 1

Outcome area	Action	Description	Update	Responsible committee	Status
Waste	Tronpost	Council has been sharing the compost made from Hamilton's food waste, dubbed 'Tronpost', with community groups.	Due to COVID-19 related staff shortages, deliveries of 'Tronpost' have not been possible for Community Groups. These will resume once adequate staffing is in place.	Infrastructure Operations	Delayed due to COVID-19 impacts
	Waste plans for new developments	We require all new properties and developments to have a waste plan that includes storage space for rubbish and recycling bins, and access for collection vehicles.	Update provided in the 'Update on the 2018-2024 Waste Management and Minimisation Plan' report – see Environment Committee Open Agenda, 10 May 2022.	Infrastructure Operations	Timelines delayed due to resourcing
	Collaboration with the construction industry	We will continue to collaborate with key stakeholders to address the growing construction and demolition waste issue.	Update provided in the 'Update on the 2018-2024 Waste Management and Minimisation Plan' report – see Environment Committee Open Agenda, 10 May 2022.	Infrastructure Operations	On track
	Waste minimisation education	We will continue to educate the community about waste minimisation via our Fight the Landfill website, and in the new Education Room for schools and community groups.	Update provided in the 'Update on the 2018-2024 Waste Management and Minimisation Plan' report – see Environment Committee Open Agenda, 10 May 2022.	Infrastructure Operations	On track

Building a resilient city					
Outcome area	Action	Description	Update	Responsible committee	Status
Water	Stormwater adaptation	We are ensuring that climate change considerations are embedded into the way we design and improve stormwater networks.	<i>No significant changes since last report</i> – The city-wide flood management project is progressing well, with Te Rapa flood data released in December 2021. Staff are currently focused on Waitiwhiriwhiri (Dinsdale/Temple View) area. Work is also progressing on city-wide overland flow path and flood depression data.	Infrastructure Operations	On track
	Rainwater Storage Tanks Incentivisation Study	This project investigates the use, benefits and incentives for rainwater tanks and grey-water reuse as a tool for meeting potable water demand needs.	<i>No significant changes since last report</i> – Staff have completed the report, and the outcomes of the review will now be considered for strategic direction on water sustainability. This action is funded by the Water Stimulus Project.	Infrastructure Operations	On track
	Water Sustainability Strategy	We are developing a Water Sustainability Strategy to guide the future direction of our water activity.	<i>No significant changes since last report</i> – Staff are co-ordinating engagement with iwi, and work on technical inputs to support strategy and internal policy development is underway. This action is funded by the Water Stimulus Project.	Infrastructure Operations	On track
	Three Waters Resilience Study	As part of our three waters services, we are identifying and assessing our vulnerabilities to hazards including flooding, drought, water allocation and access to resources, all of which are impacted by climate.	<i>No significant changes since last report</i> – A resilience scorecard has been developed and follow-on actions arising from the scorecard assessment are now underway. This action is funded by the Water Stimulus Project.	Infrastructure Operations	On track

Item 8

Attachment 1

Attachment 1

Outcome area	Action	Description	Update	Responsible committee	Status
Water (cont.)	Water demand management zones	We will continue to address water leakage across the city by creating supply zones and associated Demand Management Areas. These allow us to better manage consumption and leakage by monitoring network pressures and flows at discrete locations.	<i>No significant changes since last report</i> – Staff are continuing design, procurement, and physical works to allow completion of the three remaining supply zones (Hamilton South, Newcastle, and Pukete).	Infrastructure Operations	On track
Biodiversity	Nature in the City Strategy	This strategy aims to achieve 10% native vegetation cover in Hamilton by 2050.	A new Programme Manager has been appointed and staff are working on developing a memorandum of understanding with the Fairfield Project. Plans for the first tree for Nature in the City to be planted in Donny Park in May 2022 are on track as previously indicated. All other works are progressing well.	Environment	On track

Item 8

Outcome area	Action	Description	Update	Responsible committee	Status
Biodiversity (cont.)	Waiwhakareke Natural Heritage Park	We are continuing to invest in Waiwhakareke to develop path networks and enhance the park as a visitor destination.	<i>No significant changes since last report, noting that over the last quarter (Q3), 16,000 people visited Waiwhakareke Natural Heritage Park –</i> Waiwhakareke continues to showcase the benefits of an ecological restoration project in an urban environment and has been enjoyed by large numbers of residents and visitors over the last quarter (Q2), totalling 23,000. Anecdotal comments from park users indicate that Waiwhakareke has been a necessary and much-loved refuge, especially at trying times like a pandemic. The scoping for a potential predator-proof fence is progressing well, with a contractor to be engaged in January 2022. Pest animal trapping has removed over 100 pests so far, including possums, rats, and stoats. Recent water quality measurements have shown a continual and pleasing improvement. Plant releasing, track maintenance and weed removal has been continual both with contractors and volunteers, and a permanent Parks Grounds person is starting in February 2022.	Community	On track

Item 8

Attachment 1

Council Report

Committee: Environment Committee **Date:** 10 May 2022
Author: Trent Fowles **Authoriser:** Eeva-Liisa Wright
Position: Compliance Manager **Position:** General Manager
 Infrastructure Operations
Report Name: Update on the 2018-2024 Waste Management and Minimisation Plan

Report Status	<i>Open</i>
----------------------	-------------

Purpose - *Take*

1. To inform the Environment Committee on the progress of the actions within the 2018-2024 Waste Management and Minimisation Plan (WWMP).

Staff Recommendation - *Tuutohu-aa-kaimahi*

2. That the Environment Committee receives the report.

Executive Summary - *Whakaraapopototanga matua*

3. The Waste Management and Minimisation Plan is Council's strategy to ensure that the requirements of the Waste Minimisation Act 2008 (WMA), to promote effective and efficient waste management and minimisation within the city, is met.
4. In September 2018 Council adopted the [2018-2024 Waste Management and Minimisation Plan](#).
5. The 2018-2024 Waste Management and Minimisation plan outlines 33 actions that set out the Council's strategy and targets for managing and minimising waste generated by households, businesses, and industries in Hamilton
6. Of the 33 actions detailed in the 2018-2024 Waste Management and Minimisation Plan, 17 are ongoing activities for the duration of the plan, five have been completed (or are now business as usual activities), the remaining 11 actions are all in progress.
7. A small number of actions have been delayed due to Covid 19, particularly actions associated with events and education. In addition, actions associated with waste data and licencing requirements are on hold while awaiting Ministry for the Environment (MfE) review of NZ Waste Strategy and Waste Minimisation Act, as these may become a nationwide initiative.
8. No update report was provided in 2021 due to workload prioritisation associated with Covid.
9. Staff consider the matters in this report have a low level of significance and that the recommendations comply with the Council's legal requirements.

Background - *Koorero whaimaarama*

10. The Waste Minimisation Act 2008 (WMA 2008) requires Council to adopt a Waste Management and Minimisation Plan that articulates Hamilton's plan to promote waste management and minimisation.
11. Waste Management and Minimisation Plans are required to be reviewed every six years with the WMA 2008 defining the process for review and the content that must be included in the Waste Management and Minimisation Plan.
12. In April 2012 Council adopted its first Waste Management and Minimisation Plan, [Waste Management and Minimisation Plan 2012](#) which outlined the high-level intentions to meet Council's obligations under the WMA 2008.
13. Key achievements in the implementation of the 2012-2018 Waste Management and Minimisation Plan included:
 - a) implementation of a grants programme for innovative waste minimisation activities and projects;
 - b) completion of a comprehensive review of the kerbside collection service, Lincoln Street Transfer Station and Hamilton Organics centre;
 - c) development of the Fight The Landfill branding;
 - d) introduction of infringements issued under the Litter Act 1979 to enable enforcement for littering and illegal dumping; and
 - e) co-design of a Waste Awareness Strategy by community groups in Hamilton, Waikato and Waipaa districts and Waikato Regional Council.
14. A review of the 2012-2018 Waste Management and Minimisation Plan was initiated in 2017 and in September 2018, following a public consultation process, Council adopted the [2018-2024 Waste Management and Minimisation Plan](#).
15. The 2018-2024 Waste Management and Minimisation Plan (2018-2024 WMMP) contains 33 actions and a range of waste minimisation targets that set out how Council intends to work towards the vision of:

"Hamilton: where waste minimisation and resource recovery are an integral part of our lifestyle and economy."
16. The Ministry for the Environment (MfE) provides funding to Territorial Authorities to promote or achieve waste minimisation. Waste management and minimisation plans (prepared by each territorial authority set out how the levy will be used.
17. A waste disposal levy is collected from landfill operators on each tonne of waste sent to landfills. Half of the money collected through this waste disposal levy is paid to territorial authorities on a population basis quarterly each year. The remaining levy money is put into the Waste Minimisation Fund for national waste minimisation activities.
18. The actions within the 2018-2024 WMMP look to ensure we have the infrastructure and services in place to manage waste and that we are supporting our community to avoid, reduce and recycle waste.

Discussion - *Matapaki*

19. The action plan within the 2018-2024 WMMP sets out how Council intends to work towards waste minimisation engagement vision, goals, and objectives. It sets out clear, practical initiatives that Council will implement.

20. The actions within the 2018-2024 WMMP are summarised into key themes. A description of each activity theme and the relevant performance metrics can be found in **Attachment 1**.

2018-2024 WMMP Action Plan Progress as of April 2022

21. While the action plan forms part of the 2018-2024 WMMP, it is intended to be a 'living' document that can be regularly updated to reflect current plans and progress.
22. A progress update report of the 2018-2024 WMMP action plan was presented to the 10 September 2020 Environment Committee. Due to Covid 19 related work prioritisation, no update report was presented in 2021.
23. A summary of progress achieved since September 2020 can be found in **Attachment 1**.
24. Overall, most of the actions are ongoing over the 6-year term of the plan. Of the 33 actions detailed in the 2018-2024 Waste Management and Minimisation Plan, 17 are ongoing activities, five have been completed (or are now business as usual activities), and the remaining 11 actions are all in progress.
25. Progression of a small number of actions have also been delayed due to Covid 19, particularly actions associated with events and education. In addition, actions associated with waste data and licencing requirements are on hold whilst awaiting Ministry for the Environment (MfE) review of NZ Waste Strategy and Waste Minimisation Act, as these may become a nationwide initiative.

2018-2024 WMMP Action Plan Highlights

26. The new rubbish and recycling service was recognised for environmental excellence in the 2021 Local Government New Zealand (LGNZ) Awards. The award recognised the positive and near-instant impact on the environment due to the introduction of the kerbside rubbish and recycling service and providing more recycling options for residents, particularly the food scraps service.
27. Despite recycling and food waste not being processed during Covid-19 Alert level changes, the kerbside diversion rate continues to be above the WMMP target rate of 30% diversion, with a current year to date diversion of 51.24%.
28. There is high interest in Hamilton's food scraps collection, and we continue to receive national interest in this area. There have been requests by other Territorial Authorities to share procurement, education, and communication learnings associated with the kerbside service.
29. The food scrap collection has also been used as a case study by MfE and recently was showcased as part of a TV One News piece on combatting Climate Change.
30. The 2020/21 Hamilton City Council Waste Minimisation Grant (\$50,000) resulted in six successful sustainable projects. These are:
- i. Hamilton Gardens Arts Festival Event waste reduction (57% reduction achieved)
 - ii. Kindy Kidz Queenwood composting set up
 - iii. Fraser High waste audit and compost set up
 - iv. TechLeap repair workshops in schools
 - v. Para Kore extension of zero waste education
 - vi. SeatSmart car seat recycling programme

31. Despite the significant proportion of resource diverted to the roll out of the new service, there has been a continued strong focus on progressing the WMMP Actions that support waste minimisation in the building industry, which makes up a substantial percentage of the City's waste stream. Some of the activities that have progressed in this area are:
- a) Relationships established with several internal key projects to include waste planning considerations:
 - i. Resource Recovery Team staff member regularly inputs and provides guidance on most Hamilton City Council major growth projects including Peacockes Green Star Community scoping project and Kaianga Ora partnership programme.
 - ii. Ongoing, also includes Working with Peacockes development team member on ways to incorporate waste reduction procurement.
 - iii. Resource Recovery member invited to sit on NPS-UD Technical Advisory Group ensuring that intensification trends align with Council Rubbish and Recycling service and construction and demolition waste is captured during all city developments.
 - b) In conjunction with Waikato Regional Council two sold out construction and demolition waste events were delivered in June 2021. One event, run in partnership with Placemakers, was for 'tradies' and the second event targeted developers and those working in design. The content of these workshops focused on addressing issues and opportunities around waste reduction on-site and designing out waste at the planning stage (supporting WMM Bylaw (19) Waste Plan requirements).
 - c) In collaboration with Waikato Regional Council, a video showcasing four high profile Hamilton construction companies highlighting their success with reducing construction waste has been developed. The video features, Foster Construction, Naylor Love, Downey Group and Stark Property and is planned to launch in May 2022.
 - d) The video is designed to be an educational resource for those working in the construction industry and shorter topic specific versions to create awareness and engagement via social media. The videos will be circulated widely among the main construction and sustainability/waste industry bodies, council communication channels, and local construction companies.
 - e) A network of over 30 stakeholders within the local construction and demolition industry has been established. There is ongoing collaboration with them to share ideas, get industry feedback, and provide advice or connection to resources as needed.
 - f) As required through the Waste Management and Minimisation Bylaw 2018, waste plans are required to be completed for any development of three or more dwellings. They ensure waste management and minimisation is considered in the design and build of multi-unit dwellings. Upgrades to our internal computer systems has enabled staff the ability to now capture waste plan data requirements.
 - g) Two design guidelines have been produced for developers to support them in planning for waste management and reduction, and creating waste plans:
 - i) Designing out waste: ensuring considerations given to standard service, storage and ease of collection of wheelie bins
 - ii) Site waste plan guidelines: for reducing waste on site
 - iii) Both are currently awaiting upgrades to Council's technology systems so the Guidelines are available to any one creating waste plans.

- h) A dedicated [Minimising Waste for Building and Development](#) page has been created on the Fight the Landfill website. The site includes a toolkit, waste calculator, and guidelines and was developed in reaction to feedback from the construction industry that there was no place to find local information and resources to help them on their waste reduction journey.

Ministry for the Environment Annual Report

- 32. Under the WMA 2008, territorial authorities are required to use the Waste Levy funding they receive from the Ministry for the Environment (MfE) 'on matters that promote or achieve waste minimisation', and 'in accordance with its Waste Management and Minimisation Plan'.
- 33. Councils are required to report annually to MfE on progress with completing actions identified within their respective Waste Management and Minimisation Plan and how Waste Levy funding has been utilised for the completion of these actions. Hamilton City Council's annual report was submitted October 2021.

WMMP Review

- 34. A review of the 2018-2024 Waste Management and Minimisation Plan in preparation of development of the 2024-2030 Waste Management and Minimisation Plan has been started. This review will occur over the next 12 months and will include a consultation process.
- 35. Staff will provide updates and opportunities for Elected Member feedback throughout this process.

Financial Considerations - *Whaiwhakaaro Puutea*

- 36. A levy on each tonne of waste sent to landfills and set by central government, is collected from landfill operators. Half of the money collected through this waste disposal levy is paid to territorial authorities on a population basis quarterly each year.
- 37. The waste levy increased from \$10 per tonne – set in 2009 – to \$20 per tonne on 1 July 2021. This rate will progressively increase by \$10 each year to \$60 per tonne in July 2024.
- 38. In the financial year 2020/2021 Council received \$936,396.11 Waste Levy fund. Total expenditure was \$854,882.23.
- 39. Revenue received from the Waste Levy is the funding source utilised for the completion of actions under the approved 2018-24 WMMP, this also includes the resourcing of staff to deliver and support the actions.
- 40. Any unspent revenue is held in a reserve fund by Council and can only be spent on activities related to the 2018-24 WMMP.

Legal and Policy Considerations - *Whaiwhakaaro-aa-ture*

- 41. Staff confirm that this matter complies with the Council's legal and policy requirements under the WMA 2008.
- 42. The WMA 2008 states that territorial authorities must promote effective and efficient waste management and minimisation within the districts.
- 43. Council meets this requirement through the implementation of actions within their approved 2018-2024 WMMP.

Wellbeing Considerations - *Whaiwhakaaro-aa-oranga tonutanga*

- 44. The purpose of Local Government changed on the 14 May 2019 to include promotion of the social, economic, environmental and cultural wellbeing of communities in the present and for the future ('the 4 wellbeings').

45. The subject matter of this report has been evaluated in terms of the 4 wellbeings during the process of developing this report as outlined below.
46. The recommendations set out in this report are consistent with that purpose.

Social

47. The implementation of actions within the 2018-2024 WMMP supports social wellbeing by ensuring that Hamilton has the infrastructure and services in place to manage waste and that Council is supporting our community to avoid, reduce and recycle waste.
48. The community will benefit from the completion of proposed activities within the 2018-2024 WMMP to:
 - i. provide enhanced recycling within the new rubbish and recycling services,
 - ii. develop partnerships with key sectors and community groups to support and encourage sustainable waste management
 - iii. improve waste minimisation at city events,
 - iv. implement waste minimisation education initiatives in the community,
 - v. keep Hamilton clean by reducing litter and illegal dumping and
 - vi. provide grants to community groups and businesses to enable the piloting of new waste minimisation projects in the community

Economic

49. The vision of the 2018-2024 WMMP is for waste minimisation and resource recovery to be an integral part of Hamilton's lifestyle and economy.
50. The completion of actions within the 2018-2024 WMMP provides infrastructure solutions, education, support, and waste services to support and guide the community on how to avoid, reduce, recycle, and recover resources.
51. The minimisation of waste and increase of resource recovery can provide long term cost savings by reducing the cost of resource inputs and waste outputs and therefore disposal costs. The provision of the new rubbish and recycling service with enhanced recycling and food scraps collection as an action of the WMMP aims to achieve a 25% decrease in the per capita kerbside rubbish disposal to landfill, which avoids the future financial impact of the proposed increased landfill levies.
52. The increased focus on the reduction of construction and demolition waste as an activity within the 2018-2024 WMMP also provides opportunities for commercial on selling of unused construction material and the overall reduction in building costs.
53. As waste minimisation increases and the resource recovery industry grows, the development of commercial operations such as material recovery facilities and reuse shops and services to collect, sort, process and on sell recyclable or reused materials can occur.
54. An action within the 2018-2024 WMMP includes an annual \$50,000 contestable waste minimisation fund that has successfully funded a range of projects, providing community groups and businesses with an opportunity to pilot new ideas and to get waste minimisation projects up and running.

Environmental

55. The actions within the 2018-2024 WMMP, which includes the provision of an expanded recycling collection service, is the principal way that Council will deliver on Sustainability Principle 10 – Council ‘works with its communities to minimise the production of waste and maximise opportunities to recycle’ over the duration of the plan.

Cultural

56. Effective and efficient waste management and minimisation are important concerns to Iwi in the Waikato Region.
57. The waste hierarchy of reduce, reuse, recycle, recover, treat, and dispose, as well as the principles of circular economy, strongly influenced and underpinned the strategy and actions in the 2018-2024 WMMP.
58. This approach closely aligns to the objective, policy, and method for the management of solid and hazardous waste detailed in Tai Tumu, Tai Pari, Tai Ao (The Waikato-Tainui Environmental Plan) which also seeks best practice management through:
- i. consideration of the full life cycle for waste in the development of waste management strategies; and
 - ii. ensuring that the waste management hierarchy of Reduce, Reuse, Recycle, Recover, Treat and dispose is given the highest priority.

Risks - *Tuuraru*

59. There are no known risks associated with this matter.

Significance & Engagement Policy - *Kaupapa here whakahira/anganui*

Significance

60. Having considered the Significance and Engagement Policy, staff have assessed that the matters in this report have a low level of significance.

Engagement

61. Community views and preferences are already known to the Council through statutory consultation processes of the proposed 2018-2024 WMMP which was undertaken between 9 October 2017 and 19 November 2017, then at Hearings on 1 March 2018.
62. During this process 342 submissions were received with 96.2 per cent of submissions indicating that the Council should be doing more to reduce, reuse and recycling our waste in Hamilton.

Attachments - *Ngaa taapirihanga*

Attachment 1 - Attachment 1 2018-2024 Waste Management and Minimisation Plan - Action updates April 2022

Attachment 1: 2018-2024 Waste Management and Minimisation Plan
Action Plan Updates

1. Services

The Council delivers a range of waste services already and there is scope to review additional services that will support increased waste minimisation in Hamilton. This will be achieved through the changes to the rubbish and recycling service which commenced in September 2020.

2018-2024 WMMP Performance metrics:

- New Services implemented in line with the contract
- Reporting of annual volume of hazardous waste collected via Council-provided services

Action	1	Status as at April 2022	Complete
New or existing action	Existing		
Timeframe	2018-2021		
Proposed funding mechanism	Levy and Rates		
WMMP Objectives Reference	1,2,3,4,5,7		
WMMP Activity	Implement new rubbish and recycling services and undertake a comprehensive education and information campaign to support the implementation.		
What has been done from September 2018 – August 2020	Due to Covid-19, the start date for the new service has been rescheduled to 31 August 2020. 'Now You Know' and 'How To...' videos to support the roll out of the new service have been produced including a version to support the hearing-impaired community. Radio, billboard and online media coverage Multi language education booklet and information pack widely circulated		
April 2022 Update	Continued education to the community including an Additional 'How To ...' video guides created to support new service and Fight the Landfill resources for residents to use to support them sorting recycling from refuse and information on collection dates. New service now Business as Usual		

Action	2	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,4,5,7		
WMMP Activity	Provide and promote hazardous waste disposal services for household hazardous waste.		
What has been done from September 2018 – August 2020	Solid Waste Advisory Group (SWAG – made up of staff from Waikato, Waipaa, HCC and Waikato Regional Councils) project identified to educate community around correct procurement, disposal and management of hazardous waste to commence next financial year		

April 2022 Update	Household Hazardous Waste Drop off event held in May 2021 in partnership with Waikato Regional Council and ChemWaste. Bespoke platform specifically built to capture Hamilton resident's details including address and hazardous waste types for disposal. This was a hugely popular event which saw 171 registered, 755 items, 3396 kg and 3884 litres of household hazardous waste disposed. Staff continue to have conversations with Waipaa DC and Waikato Regional Council about collaborating on potential future events.
-------------------	---

Action	3	Status as at April 2022	In progress
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy and Rates		
WMMP Objectives Reference	1,2,3,4,5,7		
WMMP Activity	Review CBD waste services to identify and implement opportunities for improved waste minimisation in this area.		
What has been done from September 2018 – August 2020	Scoping potential initiatives aligning with the new rubbish and recycling kerbside collection service		
April 2022 Update	In conjunction with Council's Central City Programme Manager (??) a Central City Reusable Coffee Cup Project proposal was developed and submitted to the Momentum Fund. Funding was not successful however staff continue to explore further innovation and options in the reusables space. Staff have developed a partnership with Stark Property to support their waste reduction initiatives at the new MADE development in Hamilton East. Staff are currently in discussions with Sky City and Hamilton Central Business Association to explore potential solutions to reduce food waste which could include central city composting initiatives.		

Action	4	Status as at April 2022	In progress
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy and Rates		
WMMP Objectives Reference	1,2,3,5,6,7		
WMMP Activity	Identify and implement services for targeted waste streams including electronic waste.		
What has been done from September 2018 – August 2020	Link to Action 20 and feasibility study for targeted waste streams included in Contestable Waste Fund review. Review undertaken; decision made in light of Central Government announcements to put on hold until 20/21 funding round. Refer action 20 Support for e-waste drop off/managed services at Lincoln Street Transfer Station; Go Eco and South Waikato Action Trust		
April 2022 Update	Go Eco has recently had to cease e-waste collection, however more industry funded e-waste collections (e.g., TechCollect from Warehouse Stationery/Noel Leeming) are now in place and work will be done to have these listed on the Fight the Landfill website. There is continued liaison with small private and large public waste operations to support Hamilton City's building and development		

	stakeholders in separating and managing their Construction & Demolition (C&D) waste refer Action 11 for full C&D waste update. A review of options for continuation of e-waste drop off at the Lincoln Street Transfer Station is underway.
--	---

2. Partnerships

The Council only manages about a quarter of the waste generated in Hamilton, if we are going to achieve our vision, goals and objectives we need to work with others in our community. This will be achieved by developing relationships and partnerships with key sectors and groups including iwi, business and industry, and other key stakeholders.

2018-2024 WMMP Performance Metrics:

- Identification of champions and detail of support provided

Action	5	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,5,6		
WMMP Activity	Recognise the interests of iwi and other cultures and encourage and support mechanisms to build capacity and participation in sustainable waste management.		
What has been done from September 2018 – August 2020	Integrated across all projects and included within Council Reports		
April 2022 Update	Funding has been provided through the Waste Minimisation Grant to support the Pare Kore programme of zero waste education for marae, organisations and events. As part of the education of the kerbside service a 'How to recycle' booklet in Te Reo has been developed and made available on the Fight the Landfill website.		

Action	6	Status as at April 2022	In progress
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,5,6,7		
WMMP Activity	Work with business and industry organisations to assist local businesses to reduce waste and increase recycling.		
What has been done from September 2018 – August 2020	A number of initiatives are underway, these include: <ul style="list-style-type: none"> • 'AgainAgain' cup lending system that eliminates single use waste. • The creation of easy to access digital map of second-hand stores across Hamilton (scoping collaboration with sustainable transport 		

	<p>team).</p> <ul style="list-style-type: none"> • RefillNZ programme digitally mapping all drinking fountains in Hamilton including Hamilton Gardens. • Plastic Free July 2020 – internal and external campaign. <p>Waste minimisation staff presentation given to 350 members of NZ Green Building Council.</p>
April 2022 Update	<p>The digital mapping of the RefillNZ programme of all drinking fountains in Hamilton including Hamilton Gardens is completed. Hamilton City Council's Resource Recovery advisor has been invited to be part of the NZ Green Building Council Waikato Forum. Secondhand September waste ambassador video was launched in 2021 featuring local secondhand shoppers. C&D waste reduction events held for 'tradies' and developers were completed (links to recordings can be made available on request). Refer Action 11 for full C&D update.</p>

Action	7	Status as at April 2022	Ongoing
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy and Partnerships		
WMMP Objectives Reference	1,2,3,5		
WMMP Activity	Partner with the Waikato District Health Board and other health related organisations regarding the management of medical waste.		
What has been done from September 2018 – August 2020	Connection established to implement waste reduction initiatives Year 3 20/21		
April 2022 Update	Ongoing development of relationship with the Waikato DHB continues, specifically around medical waste. Due to workloads and impacts faced from DHB Cyber-Attacks and Covid19 response, this action has been on hold.		

Action	8	Status as at April 2022	Ongoing
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy, Rates and Partnerships		
WMMP Objectives Reference	1,2,3,5,6		
WMMP Activity	Partner with the community sector to identify efficiencies or opportunities for cooperation / partnership, particularly around reuse of materials.		
What has been done from September 2018 – August 2020	<p>Waikato Hospice videos developed. Hugely successful video campaign 'Reusing with Hospice Waikato' to tell the stories of the people behind the scenes e.g. the Linen Ladies (15,000 views alone!), The Stella Rack, The Book Request Service.</p> <p>Waikato Hospice pop-up shop initiative, born over a cup of coffee, resulted in a staggering \$3100 donation raised over 2-day WasteMINZ conference held in Hamilton during September 2019.</p> <p>Partnership established with Collectors Anonymous to produce a digitally mapped secondhand stores location guide.</p> <p>Staff have started to investigate collaboration opportunities with the BOON Festival project organisers to identify waste minimisation opportunities for the event</p>		

April 2022 Update	A relationship has been established with Habitat for Humanity and promotional material including video showcasing Habitat stores and other reuse stores in Hamilton has been developed. A digital map showing secondhand stores locations has been completed.
-------------------	--

Action	9	Status as at April 2022	In progress
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,5		
WMMP Activity	Identify and support community and business champions in waste reduction and avoidance.		
What has been done from September 2018 – August 2020	Waste Business Champion projects undertaken with Zibido Hair Salon, Volare Bakehouse and Hospice Waikato. Early Childhood Education (ECE) Cloth Nappy project Extensive project partnering with Ministry of Health, Waikato District Health Board, local Early Childhood Education Centres and a number of families. Project outcomes and toolkit expected to be rolled out nationally, despite the original regional intent to provide solutions to address concerns for new service and single use nappies perceived 'issues'. Full Project publication delayed until Ministry for Education updates H&S requirements around re-useable nappies post COVID concerns. Part publicised on FTL to support new service.		
April 2022 Update	An Early Childhood Education (ECE) cloth nappy trial phase two is about to commence. This is a collaborative pilot with Waipaa District Council where a cloth nappy laundering service will be trialed with ECEs across Hamilton City and Waipaa District.		

Action	10	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,5,6		
WMMP Activity	Collaborate with local government organisations, NGOs and other key stakeholders to undertake research and actions on various waste issues including (but not limited to) influencing central government regulation and product stewardship for key waste streams such as electronic waste, types, plastic bags, packaging etc.		
What has been done from September 2018 – August 2020	Council Staff input at WasteMINZ Territorial Authority (TAO) Forum and sector group projects. Waste industry submissions including Product Stewardship and Waste Levy. Participation (requested by Ministry for the Environment) in consultations, projects and industry best practice. Developed relationship with University of Waikato and ongoing discussion regarding investigations into the alternative reuse of materials. HCC has provided submissions on various MfE waste related consultations. Waste Min staff member voted on to national WasteMINZ TAO Forum (waste industry body that advises, informs and provides key		

	recommendations to central government).
April 2022 Update	Best practice guidelines and advice continue to be sought from HCC Waste Team from both local TA's and central government (MfE). Waste Team staff members continue to partake in and influence front of line thinking, and decision make eg WasteMINZ TAO Forum steering committee; Licensing and Data steering committee (including BOPLAS/WAIBOP project contract service deliver), NZ Green Building Council Waikato Forum Steering Committee. Currently working on significant MfE "Transforming Recycling" submission

Action	11	Status as at April 2022	In progress
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy, Rates and Partnerships		
WMMP Objectives Reference	1,2,3,5,6,7		
WMMP Activity	Collaborate with key stakeholders to investigate and implement opportunities to address the growing construction and demolition (C&D) waste issue, including waste avoidance, reuse and recovery.		
What has been done from September 2018 – August 2020	Established groups of key influencers internally and externally to support and align new development and growth with new rubbish and recycling kerbside collection service. Staff are in the final stages of the development of a 'Waste Calculator' to assist developers, architects, and planners at design stage to ensure consideration given to new kerbside service and beyond. Waste Calculator development COMPLETE. Extensive consultation with local (and National) industry leaders to support implementation of HCC WMM Bylaw requirements to submit site and design waste plans. Relationships established with several internal key projects to include waste planning considerations in new developments including Peacockes Green Star Community scoping project and Kaianga Ora partnership programme.		
April 2022 Update	Waste Team member invited to sit on NPS-UD Technical Advisory Group ensuring that intensification trends align with Council Rubbish and Recycling service and construction and demolition waste is captured during all city developments. Waste Minimisation staff member regularly inputs and provides guidance on most HCC major growth projects including Peacockes, Plan Change 5 and NPS-UDS Plan Change 12. Also working with Peacockes development team member on ways to incorporate waste reduction procurement. Two sold out events held for Hamilton City 'tradies' (sponsored by Placemakers) and developer stakeholders to address issues and opportunities around waste reduction on-site and designing out waste at planning stage (supporting WMM Bylaw (19) Waste Plan requirements). Fight the Landfill dedicated page for Building and Development including toolkit, waste calculator, available resources, and guidelines to support our stakeholders on their waste management and minimisation journey. Authority module created to enable the capturing of waste plan data requirements. Design guidelines created for: <ol style="list-style-type: none"> 1. Designing out waste: ensuring considerations given to standard service, storage, and ease of collection of wheelie bins 2. Site waste plan guidelines: for reducing waste on site All done and created, just awaiting activation		

	<p>Have developed ongoing relationships with a network of over 30 stakeholders within the local C&D industry.</p> <p>Created a video showcasing four high profile Hamilton construction companies who are doing great things to reduce their waste (Foster, Naylor Love, Downey and Stark Property). Video due to launch May 22.</p>
--	--

3. Events

Events are an increasing source of waste generation, but they are also a great opportunity for education on waste minimisation. This will be achieved by improving waste minimisation at events at Council sites and support event organisers to implement effective waste minimisation activities.

2018-2024 WMMP Performance Metrics:

- 50% reduction in waste to landfill from events (baseline required)
- Number of events incorporating waste avoidance and minimisation activities

Action	12	Status as at April 2022	Ongoing
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy, Rates and Partnerships		
WMMP Objectives Reference	1,2,4,5,7		
WMMP Activity	Improve waste minimisation at events held at Council sites.		
What has been done from September 2018 – August 2020	Staff have provided ongoing support for Silver Service initiative, Waste Minimisation at Rugby Sevens (2018, 2019, 2020), Waste Minimisation at Waikato Show (2018,2019 and 2020) back of house and front of house initiatives. Waikato Show new service showcase cancelled due to COVID – 19 Alert level restrictions.		
April 2022 Update	Due to Covid 19 there has been limited opportunities to improve waste minimisation at events at Council sites.		

Action	13	Status as at April 2022	Ongoing
New or existing action	New		
Timeframe	Ongoing		
Proposed funding mechanism	Levy, Rates and Partnerships		
WMMP Objectives Reference	1,2,4,5,7		
WMMP Activity	Support event organisers to implement waste minimisation at events.		
What has been done from September 2018 – August 2020	Provision of wheelie bin and cover hire for small events, Event Waste Minimisation Guidelines for all event sizes, Vendor Event Waste Minimisation Guidelines as well as a review of the Event permit request process.		
April 2022 Update	Education advisor has met with Seddon Park to encourage reusables at large events. Discussions with Claudelands around staff education for waste minimisation. Hamilton Gardens Arts Festival 2021 received support from the waste fund and delivered a 57% reduction in event waste - Refer action 19 Silver Service initiative (part funded by HCC 2019) was disrupted by COVID during the 2021/2022 season however, the previous season saw on average 2400 single use containers diverted from landfill per Gourmet in the Garden event and was extended to other local events including Nesian Festival and the Waikato show. Other positive spin-offs include food waste diversion and job creation to manage Silver Service and be public educators at each event.		

4. Education

A key part of achieving our vision, goals and objectives is making it easy for all Hamiltonians to do the right thing. To do this the Council needs to ensure the right information is accessible and available for our community. This will be achieved by supporting and developing information and education programmes that raise awareness and promote waste minimisation.

2018-2024 WMMP Performance Metrics:

- Annual reporting of education programmes outcomes

Action	14	Status as at April 2022	Ongoing
New or existing action	New		
Timeframe	By 2020		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,4,5,7		
WMMP Activity	Support information and education programmes that raise awareness and promote waste minimisation, including developing multi-language resources.		
What has been done from September 2018 – August 2020	Overall education plan supported by annual plans and aligned with new rubbish and recycling service education and communication plans. How To Use the New Wheelie Bin video produced for the hearing-impaired community. Multi language Education booklets and information collateral for the new rubbish and recycling service. Extensive overhaul and update of Fight the Landfill website and content to address key questions, updates, recycling sorter, recycling game, hover house and count-down clock. New platform developed to future proof website capabilities to support engagement and interaction with all sectors of the Hamilton community.		
April 2022 Update	Waste reduction awareness videos developed and released Education Centre at Materials Recovery Facility (MRF) created and now open - automated booking system launched on Fight the Landfill. First booking has been received for Kainga Ora staff. Presented at and supported a 'Your Sustainable Schools event' – 10 local schools attended and learnt about waste reduction. Presentations done/booked at two Hamilton High Schools.		

Action	15	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,4,5,7		
WMMP Activity	Promote reducing food waste and the beneficial reuse of organic material.		
What has been done from September 2018 – August 2020	Overall education plan supported by annual plans and aligned with new rubbish and recycling service education and communication plans. Love Food Hate Waste campaign supported by HCC for an additional year to align with and support the new rubbish and recycling kerbside		

	collection service (provision of a new food scraps collection service) to eligible residential properties and all council facilities. Food scraps collection implemented at Claudelands site ahead of the roll out of the new kerbside food waste collection service.
April 2022 Update	'How To' Video on food waste and composting video produced Ongoing support and promotion of national Love Food Hate Waste campaigns. HCC Summer food waste campaign "Don't have a stink summer" Exploring central city compost initiative - Refer action 3 Waste fund supported installation of a new community compost facility with Fraser High at the Western Community Centre - Refer action 19

Action	16	Status as at April 2022	Ongoing
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,4,5,6		
WMMP Activity	Develop targeted waste minimisation information and education programmes e.g. for youth, elderly, business and C&D industry.		
What has been done from September 2018 – August 2020	Annual projects linked to actions 8,9 and 14 including alignment with service change education project stream. Wide media coverage including, How To Reduced Waste, plastics 1,2,& 5 videos funded through Waste Minimisation Collaborative Fund.		
April 2022 Update	Ongoing with additional programmes being developed to support targeted stakeholder messaging and tours of the MRF Education Room. C&D actions – Refer Action 11		

5. Litter and Illegal Dumping

Keeping Hamilton clean is an important part of waste management and minimisation. The Council already has a strong enforcement program for illegal dumping, but we are still experiencing increasing incidents of littering and illegal dumping. This will be achieved by ensure effective management of litter and illegal dumping is undertaken and developing and implementing plans to reduce illegal dumping and littering.

2018-2024 WMMP Performance Metrics:

- Community satisfaction with litter rates, measured during community surveys
- 10% reduction in litter and 15% reduction in illegal dumping in comparison to 2017 data

Action	17	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Rates		
WMMP Objectives Reference	1,2,4,5,7		
WMMP Activity	Keep the streets clean by clearing litter and illegal dumping.		
What has been done from September 2018 – August 2020	Council became a member of the Keep New Zealand Beautiful group in October 2019. Key successes include aligning with action 1 (implementation of the new rubbish and recycling kerbside collection service) and the inclusion of specific new service provider key performance indicators to mitigate litter. Promotion and support of Keep NZ Beautiful projects		
April 2022 Update	Ongoing membership and support of Keep NZ Beautiful		

Action	18	Status as at April 2022	Ongoing
New or existing action	New		
Timeframe	2018-2024		
Proposed funding mechanism	Levy, Rates and Partnership		
WMMP Objectives Reference	2,5,6,7		
WMMP Activity	Develop and implement a plan to reduce illegal dumping and littering, including education and strong enforcement.		
What has been done from September 2018 – August 2020	Council adopted the Waste Management and Minimisation Bylaw on 28 November 2019 which provides increased enforcement and control measures. Council have approved Litter enforcement including the ability to issue infringement notices.		
April 2022 Update	New illegal dumping signage has been developed, with a more conscious focus to dissuade illegal dumping versus punitive messaging. Provided signage to Charity stores due to increase of illegal dumping at shop fronts experienced during Covid lockdown.		

6. Grants

Council started the Contestable Waste Minimisation Fund as part of the 2012 Waste Plan implementation. The \$50,000 annual fund has successfully funded a range of projects, providing community groups and businesses with an opportunity to pilot new ideas and to get projects up and running. This will be achieved by continuing to provide grants to third parties for promoting or achieving local waste minimisation initiatives within the community.

2018-2024 WMMP Performance Metrics:

- Successful implementation of annual grants programme

Action	19	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,4,5		
WMMP Activity	Issue grants to third parties for the purpose of promoting or achieving waste minimisation and manage grants.		
What has been done from September 2018 – August 2020	Waste Fund rounds - 2017/2018 completed December 2018 - 2018/2019 completed December 2019 - 2019/2020 completed February 2020 Several projects rescheduled, one cancelled due to COVID restrictions; working with fund recipients to ensure funding requirements meet their needs. 2020/2021 – updated guideline requirements complete. Round opens Oct 20		
April 2022 Update	2020/2021 completed February 2021 Successful projects include: - Hamilton Gardens Arts Festival Event waste reduction (57% reduction achieved) - Kindy Kidz Queenwood composting set up - Fraser High waste audit and compost set up - TechLeap repair workshops in schools - Para Kore extension of zero waste education - SeatSmart car seat recycling programme 2021/2022 applications closed April 22. Fund was pushed back six months to align with Waipaa District Council to ensure consistency and to build on the increased collaboration advantages and efficiencies with partnership projects. 17 applications received, increase of 70% vs last year		

Action	20	Status as at April 2022	Completed
New or existing action	New		
Timeframe	By Dec 2019		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,4,5		
WMMP Activity	Evaluate the current grant model and investigate and implement opportunities for low interest loans and / or targeted grants.		
What has been done from September 2018 – August 2020	Timing for the completion of this action has been delayed. Review expected to be completed by November 2020.		
April 2022 Update	Fund has now moved to align with Waipaa District Council. Potential to look at frequency of fund and targeting the fund at specific waste streams		

7. Data

Having good data is important for the Council to make informed decisions on our waste management and minimisation priorities. This will be achieved by establishing and improving access to information on waste from both Council and private waste collectors and facilities.

2018-2024 WMMP Performance Metrics:

- Data available for analysis by 2020
- No weeks with more than 20 complaints of uncollected household rubbish and recycling
- Audit carried out 3 yearly
- All waste data carried out in alignment to the National Waste Data Framework

Action	21	Status as at April 2022	In progress
New or existing action	Existing – expanded		
Timeframe	Ongoing		
Proposed funding mechanism	Levy and Rates		
WMMP Objectives Reference	2,3,4,5,6,7		
WMMP Activity	Ensure access to information on waste from both council and private waste collectors and facilities. Capture data on quantities, composition, origin and destination, and the use of the service, in line with the National Waste Data Framework.		
What has been done from September 2018 – August 2020	Licensing requirements captured in Waste Management and Minimisation Bylaw linking Action 31. Alignment of regional licencing requirements is underway in conjunction with other Waikato and Bay of Plenty Councils. This is expected to be completed by December 2020. Waste min staff member on WaiBop Licensing/data steering group. Project delivery expected by February 2021.		
April 2022 Update	The WaiBop Licensing/data steering group's project was delayed due to COVID-19 however the group is still active and ongoing. A recent Ministry for Environment review of the NZ Waste Strategy and Waste Minimisation Act may see licensing requirements rolled out as a national initiative. Hamilton City Council has provided a submission on this with submissions closing in May 2022. This update also links to Action 32.		

Action	22	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Rates		
WMMP Objectives Reference	2,3,4,5,6,7		
WMMP Activity	Monitor and report on waste related complaints received through Council's service request system.		
What has been done from September 2018 – August 2020	Targeted Waste Minimisation inbox linked to Fight the Landfill website to answer waste related queries.		
April 2022 Update	No further update and is ongoing BAU.		

Action	23	Status as at April 2022	Completed
New or existing action	New		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	2,3,4,5,6,7		
WMMP Activity	Carry out community surveys on waste management and minimisation services within the City.		
What has been done from September 2018 – August 2020	Community and staff surveys completed in April 2019.		
April 2022 Update	A community and staff survey was completed in May 2021.		

Action	24	Status as at April 2022	In progress
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	2,3,4,5,6,7		
WMMP Activity	Ensure a household rubbish and recycling composition analysis is undertaken at least every three years for both council and private kerbside services.		
What has been done from September 2018 – August 2020	Waste Assessment completed in 2017. Next Waste Assessment scheduled to be completed 6 months post roll out of new service, in early 2021. Scheduled for March 2021 and September 2021		
April 2022 Update	The Waste Assessment part 1 was completed March 2021, part 2 is rescheduled for June 2022 to account for service anomalies during COVID-19/food waste collection disruption		

Action	25	Status as at April 2022	Ongoing
New or existing action	New		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	3,5,6,7		
WMMP Activity	Monitor progress and support WasteMINZ National Waste Data Framework project.		
What has been done from September 2018 – August 2020	Regular liaison, input and updates from WasteMINZ Ongoing and updated in accordance with National Waste Manifesto.		

April 2022 Update	A member of the Resource Recovery team is actively involved with WasteMINZ and during the reporting period provided input into the National Waste Manifesto Update 2021.
-------------------	--

Action	26	Status as at April 2022	Ongoing
New or existing action	Existing – expanded		
Timeframe	Ongoing		
Proposed funding mechanism	Levy and Rates		
WMMP Objectives Reference	2,3,4,5,6,7		
WMMP Activity	Monitor and report on Council's contracted waste services including rubbish and recycling collection data from the kerbside.		
What has been done from September 2018 – August 2020	Dedicated Rubbish and Recycling Contract Manager employed. 10 Year Plan – Non-Financial performance measures reported quarterly. Refer Action 1 for the implementation of the new rubbish and recycling kerbside collection service and inclusion of contract key performance indicators to provide monthly data.		
April 2022 Update	<p>The 10 Year Plan – Non-Financial performance measures reported quarterly – Q3 2022</p> <p><i>The percentage of waste removed for recycling through the kerbside collection – Target 45%</i></p> <p>Result - 51.74%. The kerbside diversion rate for the year to date is 51.24%, despite recycling and food waste not being processed during the two weeks of COVID-19 Alert Level 4 in August 2021 and no food collection in March 2022 due to the Omicron outbreak. Despite these factors the target for kerbside diversion is expected to be achieved for the current financial year.</p> <p><i>The amount of waste received at Council operated facilities that is diverted from landfill – Target 4000 tonnes per quarter</i></p> <p>Result -3762. Although the target of 4,000 tonnes per quarter has been met in previous financial years, this target has not been met since April 2020 (shortly after the introduction of the COVID-19 alert level system). Increased restrictions due to COVID-19 impact our ability to reach the target, particularly while the set up at the Refuse Transfer Station is still transitioning. Separation of treated timber and concrete waste has commenced during the last quarter. As a result of some recent changes and upgrades at the Refuse Transfer Station 1,351 tonnes of waste was diverted in March 2022 - the highest monthly diversion tonnage for 2021/22.</p> <p><i>The percentage of waste recovered for recycling through HCC facilities – Target 30%</i></p> <p>Result – 42.72. This is a new performance measure to demonstrate the progress at Council facilities with waste recovery for recycling. The diversion of waste from Council owned facilities has been consistent between July 2021 and March 2022 at 42.72%, which is comfortably above the targeted rate of at least 30%. The figures reported do not currently include cardboard recycling due to the service being performed by a different contractor than the rest of the refuse and recycling services. Work is being undertaken to ensure that these cardboard figures can be reported on in the future.</p>		

8. Council Management

Council staff will implement the actions contained within the 2018-2024 WMMP and will ensure that the Council is learning by doing with waste minimisation. This will be achieved by implementing best practice waste avoidance, reduction and minimisation within Council sites and operations

2018-2024 WMMP Performance Metrics:

- Health and Safety Incident reports received from contractor at each contractor meeting – no serious incidents reported
- Report on the number of sites implementing waste minimisation – with quarterly reporting to track progress against waste and recycling rates

Action	27	Status as at April 2022	Completed/Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,4,5,6,7		
WMMP Activity	Fund waste minimisation advisors to lead waste management and minimisation within Council and coordinate the implementation of this Plan.		
What has been done from September 2018 – August 2020	Staff resourced to implement new service link to Action 1 Additional staff resourced to coordinate and project lead WMMP Actions. Success story. HCC Waste Minimisation staff 'champions' identified to support community events showcasing the new rubbish and recycling kerbside collection service.		
April 2022 Update	An additional staff resources to coordinate and project lead the review of the WMMP and to support waste reduction within council buildings has been contracted. A review of the team structure and staff resourcing is currently in progress.		

Action	28	Status as at April 2022	In progress
New or existing action	Existing		
Timeframe	By 2024		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,3,4,5,6,7		
WMMP Activity	Review of the 2018-2024 Waste Management and Minimisation Plan (WMMP) and development of the 2024-2030 WMMP.		
What has been done from September 2018 – August 2020	Review of 2018-2024 Actions updated as initiatives implemented.		
April 2022 Update	The review of the WMMP commenced in March 2022. There will be opportunities for the community and Elected Members to be part of this review.		

Action	29	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	Ongoing		
Proposed funding mechanism	Rates		
WMMP Objectives Reference	3,7		
WMMP Activity	Ensure that services provided by Council are in line with and promote current health and safety guidelines.		
What has been done from September 2018 – August 2020	Linked to Action 1, ensure new rubbish and recycling kerbside collection service contract includes specific key performance indicator's and reporting around Health and Safety.		
April 2022 Update	Ongoing		

Action	30	Status as at April 2022	Ongoing
New or existing action	Existing		
Timeframe	By 2024		
Proposed funding mechanism	Levy		
WMMP Objectives Reference	1,2,4,5,7		
WMMP Activity	Implement best practice waste avoidance, reduction and minimisation within Council sites and operations; and share knowledge and experience gained from such activities.		
What has been done from September 2018 – August 2020	In progress. Link to Action 1 new service includes all Council facilities to provide rubbish, recycling and organic collection services. Trial underway of new rubbish, recycling and food scrap bins at key Council Community facilities including Claudelands, Waterworld, Hamilton Zoo and Hamilton Gardens. Delayed due to COVID-19. Reinvigorated waste audits with H3 partners planned All Council facilities ready to implement new waste reduction requirements under the new service.		
April 2022 Update	Update provided in Action 1 and Action 27.		

9. Regulatory

Effective Bylaws and Plans will be integral to delivering a range of waste minimisation actions. They can provide the Council with both the driver for change and the ability to undertake enforcement. This will be achieved by completing an update of the Solid Waste Bylaw to align to the 2018-2024 WMMP, obtain regional consistency, facilitate data collection, ensure planning supports the changes in the rubbish and recycling kerbside collection service; and allow the implementation of waste licensing for operators and collectors

2018-2024 WMMP Performance Metrics:

- Suite of tools, guidelines
- All waste collectors and operators are licensed by 2020
- New developments meet the needs of the kerbside collection service

Action	31	Status as at April 2022	Completed
New or existing action	New		
Timeframe	2018/19		
Proposed funding mechanism	Levy and Rates		
WMMP Objectives Reference	2,3,4,5,6,7		
WMMP Activity	Update the Solid Waste Bylaw for regional consistency, to facilitate data collection and to ensure it supports the changes in kerbside service.		
What has been done from September 2018 – August 2020	Completed the review of the Solid Waste Bylaw and Waste Management and Minimisation Bylaw 2019 adopted by Council on 28 November 2019. Processes developed in conjunction with Building and Planning Groups to support requirements of WMM Bylaw 2019.		
April 2022 Update	Update provided in Action 21		

Action	32	Status as at April 2022	In progress
New or existing action	New		
Timeframe	By 2019		
Proposed funding mechanism	Levy and Rates		
WMMP Objectives Reference	2,3,4,5,6,7		
WMMP Activity	Implement waste licensing for operators and collectors, potentially as part of a regional or sub regional initiative.		
What has been done from September 2018 – August 2020	Licensing requirements and improved waste data collection captured in Waste Management and Minimisation Bylaw Alignment of regional licencing requirements is underway in conjunction with other Waikato and Bay of Plenty Councils. This is expected to be completed by February 2021 deferred from December 2020.		
April 2022 Update	This project was delayed due to COVID-19. However, whilst still active, the recent MfE review of the NZ Waste Strategy and Waste Minimisation Act may see this rolled out as a national initiative. Link to Action 21.		

Action	33	Status as at April 2022	In progress
New or existing action	Existing – expanded		
Timeframe	In conjunction with HCC planning processes		
Proposed funding mechanism	Levy and Rates		
WMMP Objectives Reference	1,2,3,4,5,6,7		
WMMP Activity	Implement and enforce requirements for any properties and developments to ensure waste management and minimisation considerations are taken into account at the design phase, including storage space requirements and access for collection vehicles.		
What has been done from September 2018 – August 2020	<p>Waste Management and Minimisation Bylaw 2019 includes the requirement for Waste Plans.</p> <p>Projects in progress: Relationships established internally and externally to inform, educate and influence key stakeholders to develop Waste Plans as required by the Waste Management and Minimisation Bylaw 2019.</p> <p>Processes being developed to capture Waste Plans at consent stage of applications. Development of tools to support developers, architects and planners to ensure waste management and minimisation requirements align with new rubbish and recycling kerbside collection service, 2018-2024 WMMP and the Waste Management and Minimisation Bylaw 2019. Expected completion by June 2020.</p> <p>Extensive COVID delays.</p> <p>HCC Waste calculator under development to support developers and the building industry to calculate how many rubbish and recycling bins be required to support the new service requirements.</p>		
April 2022 Update	<p>A Waste calculator has been developed</p> <p>A suite of tools and guidelines, processes and procedures has been completed to support and inform industry stakeholders. A fit for purpose Fight the Landfill dedicated page has been developed to host these tools, guidelines. The information is regularly reviewed and updated with material and information as and when it is released. Refer Action 11 for further info.</p>		

Council Report

Item 10

Committee: Environment Committee

Date: 10 May 2022

Author: Sean Hickey

Authoriser: Sean Hickey

Position: General Manager Strategy and Communications

Position: General Manager Strategy and Communications

Report Name: General Manager's Report

Report Status	Open
----------------------	------

Purpose - *Take*

1. To inform the Environment Committee on topical issues or areas of concern which do not necessitate a separate report or decision.

Staff Recommendation - *Tuutohu-aa-kaimahi*

2. That the Environment Committee receives the report.

Executive Summary - *Whakaraapopototanga matua*

3. This report provides updates to Environment Committee Members on activities, actions or projects contained within the plans or strategies for which this Committee and the relevant General Manager have responsibility over and for which significant progress has been made.
4. The following updates are included in this report:

Hamilton City Council

- i. Climate Change Strategy and Policy
- ii. Emissions Targets
- iii. Communication and engagement update (attached)

Regional, National and International:

- i. The Waikato Climathon
 - ii. National Climate Policy and Legislation
 - iii. The International Panel on Climate Change Impacts Adaptation and Vulnerabilities report AND the Mitigation of Climate Change Report
5. Staff consider the matters in this report have low significance and that the recommendations comply with the Council's legal requirements.

Discussion - *Matapaki*

Hamilton City Council

Climate Change Strategy

6. The Climate Change Strategy and Climate Change Policy are currently being finalised and will now be brought to the 30 June 2022 Council meeting for approval.
7. Feedback from key stakeholder workshops is currently being reviewed and incorporated into the Climate Change Strategy.
8. Staff are currently testing the Climate Change Policy (relating to Climate Impact Statements for Decisions Making) with business units across the organisation.

Update on development of emissions reduction targets for Climate Change Strategy

9. As part of the Climate Change Strategy, we are planning to set city-wide emissions reduction targets for 2030 and 2050. These targets will help to ensure that we are successful in our climate response and keep on track towards our vision for a low-carbon future.
10. In late 2021 staff engaged consultants WSP to assist with setting these targets. WSP looked at central government's emissions reduction pathways (as outlined in the draft Emissions Reduction Plan). This provided a starting point for the work, but it was not clear what the assumptions and suggested targets would mean for Hamilton City Council.
11. In developing the targets, staff have been working with consultants to further understand Hamilton's emissions profile, what is already underway at HCC that may impact these, and where our areas of focus need to be. We know that transport and industry and commercial are large parts of our emissions profile (64% and 28% respectively) so we are working to better understand what these emissions are made up of. WSP are also currently gathering data on relevant transport projects across Council to understand how these will contribute to achieve the city-wide emissions reduction target. They are also reaching out to industry to investigate in further details what these emissions are made up of, and how Council can support the emissions targets of industry partners and help to achieve emissions reductions.
12. Staff will present further information on the emissions reduction targets to Elected Members at a workshop on 18 May 2022. This workshop will be an opportunity for Elected Members to discuss the topic in greater detail, understand the proposed emissions reduction targets and ask questions of staff and the consultants team.
13. The targets will then be included in the Climate Change Strategy which is to be presented to Council at the 30 June 2022 Council meeting.

Climate Change and Environment Communication

14. A Climate Change Communication review is attached (**Attachment 1**), covering recent media stories and communication and engagement activities.

Regional Update

Waikato Regional Council

15. We are liaising with Regional Council staff for feedback on our Climate Change Strategy
16. Regional Council are continuing work on a tool to support regional decarbonisation goals.

Climathon Waikato

17. As part of the Waikato Plan, the Waikato Climathon was run by Impact Hub as a series of online events over the first week in April. Hamilton City Council sponsored the event. More detail is included on the attached communication and engagement report.

National and International Update

National Climate Policy and Legislation:

18. New Zealand's [emissions reduction plan](#), is due to be released in May 2022.
19. Feedback for the National Adaptation Plan will outline what New Zealand need to do to respond to climate risks and is due to be published by August 2022. It is expected to be open for feedback in April to mid May 2022.
20. Driving climate Change: Reviewing the Road User Charges System was released by MFT ([January 2022 Consultation Document](#)). A submission from Hamilton City Council has been prepared.

The International Panel on Climate Change

21. The IPCC have completed their 6th Climate Assessment. The physical science report was released in August 2021 as highlighted in the last report.

The Impacts Adaptation and Vulnerabilities Report - February 2022:

22. This report finds that human-induced climate change is causing dangerous and widespread disruption in nature and affecting the lives of billions of people around the world, despite efforts to reduce the risks. The report warns that inaction will result in dire consequence for our wellbeing and a healthy planet, but there is still a brief window of time to avoid the very worst.
23. Chapter 11 focuses only on Australia and New Zealand. It shows there are now unavoidable impacts for Australia providing a warning to New Zealand about where the local impacts of climate change could go.

The Mitigation of Climate Change Report - March 2022. It states:

24. All global modelled pathways that limit warming to 1.5°C involve rapid, deep and, in most cases, immediate GHG emission reductions in all sectors. Emissions need to peak between 2020 and 2025 with rapid and deep reductions throughout 2030 and global net zero reached in the early 2050.
25. The energy sector requires a substantial reduction in overall fossil fuel use, with the deployment of low-emission energy sources and energy efficiency and conservation.
26. Urban areas can create opportunities to increase resource efficiency and significantly reduce GHG with significant transition of infrastructure and urban form through low-emission development pathways.
27. Ambitious mitigation efforts for established for rapidly growing and emerging cities will encompass 1) reducing or changing energy and material consumption, 2) electrification, and 3) enhancing carbon uptake and storage in the urban environment.
28. Cities can achieve net-zero emissions, but only if emissions are reduced within and outside of their administrative boundaries through supply chains, which will have beneficial cascading effects across other sectors.
29. Demand-side options (enhanced travel choices in mode, route and departure-times) and low-GHG emissions technologies are required to reduce transport sector emissions

Financial Considerations - *Whaiwhakaaro Puutea*

30. This is a regular operating activity funded through the Long-Term Plan.

Legal and Policy Considerations - *Whaiwhakaaro-aa-ture*

31. Staff confirm that the staff recommendation complies with the Council's legal and policy requirements.

Wellbeing Considerations - *Whaiwhakaaro-aa-oranga tonutanga*

32. The purpose of Local Government changed on the 14 May 2019 to include promotion of the social, economic, environmental and cultural wellbeing of communities in the present and for the future ('the 4 wellbeings').
33. The subject matter of this report has been evaluated in terms of the 4 wellbeings during the process of developing this report.
34. The recommendations set out in this report are consistent with that purpose.

Risks - *Tuuraru*

35. There are no known risks associated with the decisions required for this matter.

Significance & Engagement Policy - *Kaupapa here whakahira/anganui*

Significance

36. Staff have considered the key considerations under the Significance and Engagement Policy and have assessed that the matter(s) in this report has/have a low level of significance.

Engagement

37. Given the low level of significance determined, the engagement level is low. No engagement is required.

Attachments - *Ngaa taapirihanga*

Attachment 1 - Climate Change Communications Review Jan - April 22

Communication & Engagement Summary

Climate Change & Environment

January – April 2022

MEDIA STORIES

DATE	STORY	SUMMARY
18 January 2022	Enrolling to vote is a powerful NY resolution	Mentions climate change as a reason to enrol & vote
8 February 2022	Restoring nature takes a village	Links biodiversity and climate change through NITC messaging
18 February 2022	Jobs for Nature begin restoring Mangaiti Gully	Biodiversity and conservation focus
22 February 2022	Hamilton bats get boost with new strategy	Waikato bat strategy – protecting and enhancing biodiversity
22 February 2022	Hamilton climate actions on track	Climate change action plan monitoring report
10 March 2022	Top five hidden gems in Hamilton	Parks week story – biodiversity focus
22 March 2022	Hamilton commemorates World Water Day 2022	World water day – conserve water
TBC - April	Hamilton's Climate Actions – Genesis Climate Change Hub	Climate team interviewed for a story on climate actions in Hamilton

COMMUNITY ENGAGEMENT

Climate Change Strategy Consultation Workshops

We hosted six workshops (facilitated by Impact Hub Waikato) with key stakeholders to gather feedback and insights on the draft Climate Change Strategy – specifically the four outcome areas and what they meant to the stakeholders. The workshops were attended by representatives of iwi groups, organisations, businesses, and members of the public from the Voice of Hamilton Kirikiriroa group.

SOCIAL MEDIA & INTERNAL COMMUNICATIONS

Climathon Waikato

March

As part of the Waikato Plan, the Waikato Climathon was run by Impact Hub as a series of online events. A Climathon is an international movement that provides the opportunity for citizens to get together and explore ideas to develop innovative solutions to the challenges of Climate Change.

Hamilton City Council sponsored this series of events, and our own Councillor Thomson was invited to join the panel of judges. We shared regular communications in the lead up to the Climathon, encouraging attendance, as well as encouraging staff to attend. Lead up events were hosted in March, which consisted of a series of interactive workshops and events, featuring thought-leaders and experts from across the region. The main event, held over the first week in April, was opened by Hon James Shaw. Participants formed groups and workshopped their ideas. Sixty participants took part and thirty-five completed the week. Winning ideas includes initiatives and online platforms to engage the community on climate action, collaboration, sharing success and mode shift; plus an idea for an e-bike subscription service.

Hamilton City Council Staff from a range of areas of our business were involved as participants, mentors and subject matter experts. A winning idea was presented by a staff member Sija Soman, who won the community category for her Climate Commons Project. These stories were promoted across the organisation via our internal mail and an interview with the winner.

Climate Strategy Workshop

In a lead up session to the Climathon weekend, we hosted a breakout session to go through the draft vision and outcomes for Council's Climate Change Strategy. We sought feedback on the wording and meaning of the vision and outcome.



Earth Day Bingo

22 April 2022

A bingo card of sustainable actions that people can take for Earth Day and beyond. It included small, easy actions like bring your own cup, and more significant behaviour shifts, like plant your winter garden, or choose a low-carbon commute for the week.

Earth Day Bingo was shared with our **social media** community on the day, and it was promoted internally through **Moorena Mail, digital screens and posters** in lifts and toilets. Prizes were drawn for people who contributed.



Climate Corner

April (Monthly)

In April, we launched an internal series on **Moorena Mail** called 'Climate Corner'. This was born from an idea in the Corporate Sustainability Working Group, to engage our staff more regularly in climate action, encourage involvement and share successes.

It's an opportunity to challenge staff to take an action, share stories of teams who've chosen a sustainable solution, and show good news stories from Hamilton and beyond.

In the first instalment, we shared Sija Soman's success, as she won a prize at the Waikato Climathon, for her initiative, Climate Commons.

