



AGENDA

Taranaki Solid Waste

Thursday 9 March 2023, 10.45am

Taranaki Solid Waste Management Committee

09 March 2023 10:45 AM



Agenda Topic	Page
1. Cover	1
2. Karakia	3
3. Apologies	
4. Appointment of Chair and Deputy Chair Taranaki Solid Waste Management Committee	4
5. Deputation -Vision for Tāpiri Taranaki Regenerative Solutions - Bry Kopu and Glen Skipper	
6. Confirmation of Minutes 18 August 2022	8
7. Regional Waste Minimisation Officers Activity Report - February 2023	12
8. Waste Management and Minimisation Plan update	21
9. Update on Recycling Contamination and Summer Recycling Audit	30
10. Agenda Authorisation	36



Whakataka te hau

Karakia to open and close meetings

Whakataka te hau ki te uru	Cease the winds from the west
Whakataka te hau ki te tonga	Cease the winds from the south
Kia mākinakina ki uta	Let the breeze blow over the land
Kia mātaratara ki tai	Let the breeze blow over the ocean
Kia hī ake ana te atakura	Let the red-tipped dawn come with a sharpened air
He tio, he huka, he hauhu	A touch of frost, a promise of glorious day
Tūturu o whiti whakamaua kia tina.	Let there be certainty
Tina!	Secure it!
Hui ē! Tāiki ē!	Draw together! Affirm!

Nau mai e ngā hua

Karakia for kai

Nau mai e ngā hua	Welcome the gifts of food
o te wao	from the sacred forests
o te ngakina	from the cultivated gardens
o te wai tai	from the sea
o te wai Māori	from the fresh waters
Nā Tāne	The food of Tāne
Nā Rongo	of Rongo
Nā Tangaroa	of Tangaroa
Nā Maru	of Maru
Ko Ranginui e tū iho nei	I acknowledge Ranginui above and
Ko Papatūānuku e takoto ake nei	Papatūānuku below
Tūturu o whiti whakamaua kia	Let there be certainty
tina	Secure it!
Tina! Hui e! Taiki e!	Draw together! Affirm!



Date: 9 March 2023

Subject: **Appointment of Committee Chairperson and Deputy Chairperson**

Approved by: AJ Matthews, Director - Environment Quality
S J Ruru, Chief Executive

Document: 3152932

Purpose

1. The purpose of this memorandum is to elect a Chairperson and Deputy Chairperson for the Taranaki Solid Waste Management Committee.

Recommendations

That the Taranaki Regional Council:

- a) receives this memorandum Appointment of Taranaki Solid Waste Management Committee Chairperson
- b) elects (name to be inserted here) as Chairperson of the Taranaki Solid Waste Management Committee
- c) elects (name to be inserted here) as Deputy Chairperson of the Taranaki Solid Waste Management Committee
- d) determines that this decision be recognised as not significant in terms of section 76 of the *Local Government Act 2002*
- e) determines that it has complied with the decision-making provisions of the *Local Government Act 2002* to the extent necessary in relation to this decision; and in accordance with section 79 of the Act, determines that it does not require further information, further assessment of options or further analysis of costs and benefits, or advantages and disadvantages prior to making a decision on this matter.

Discussion

2. The Taranaki Solid Waste Management Committee is able to elect one if its members to act as the Chairperson or Deputy Chairperson of the (Joint) Committee in accordance with Clause 30A, schedule 7, *Local Government Act 2002* as outlined below:

This Part applies to a joint committee except that –

- a) *the powers to discharge any individual member and appoint another in his or her stead must be exercised by the local authority or public body that made the appointment;; and*
 - b) *the quorum at a meeting consists of*
 - a. *half of the members if the number of members (including vacancies) is an even number; or*
 - b. *a majority of members if the number of members (including vacancies) is an odd number; and*
 - c) *the following matter may be varied by an agreement under subclause (1):*
 - a. *the procedure by which the chairperson and deputy chairperson are to be appointed;*
 - b. *the procedure by which the chair person or deputy chairperson may be removed from that office;*
 - c. *whether a quorum must include 1 or more members appointed by each party or any party;*
 - d. *the extent to which the standing orders of any local authority or public body apply to meetings of the joint committee.*
3. The Committee needs to elect a Chairperson and Deputy Chairperson for the 2022-2025 period.
 4. As this is the first meeting of the Committee for the 2022-2025 triennial period, an election of a Committee Chairperson is required.
 5. Members are to nominate one of their members as chairperson/deputy chairperson. Where there is more than one nomination, a vote will be required in accordance with the provisions of clause 25 of Schedule 7 of the LGA. This requires Council to determine by resolution that the appointments are made under one of two voting systems (A or B).
 6. System A allows for a progressive vote requiring election by a majority of members present and voting. The person receiving the fewest votes is excluded from further rounds until a majority outcome is reached. A tied vote, for the lowest polling candidate, is resolved by lot.
 7. System A has the following characteristics:
 - a) Each member can vote for one candidate in each round of voting; and
 - b) There is a first round of voting for all candidates; and
 - c) If no candidate is successful gaining a majority of votes in that round, there is a second round of voting from which the candidate with the fewest votes in the first round is excluded; and
 - d) If no candidate is successful gaining a majority of votes in that round, there is a second round of voting from which the candidate with the fewest votes in the first round is excluded; and
 - e) In any round of voting, if two or more candidates tie for the lowest number of votes, the person excluded from the next round is resolved by lot.
 8. System B provides for election of the person receiving the highest number of votes in one round only. A tie is resolved by lot. A person is elected if he or she receives more votes than any other candidate. System B has the following characteristics:
 - f) There is only one round of voting in which each councillor can vote for one candidate; and

- g) If two or more candidates tie for the most votes, the tie is resolved by lot.

Process

9. *Standing Orders* apply, and the process is set out below:
- a) The Chief Executive will call for nominations for the position of chairperson/deputy chairperson. Each nomination requires a seconder.
 - b) If there is only one nomination, the Council will resolve to appoint the unopposed nominee by moving and seconding the appointment and resolving by vote.
 - c) Where there is more than one nominee, the Chief Executive will call for members to move the adoption of a voting system to determine the appointment. A Motion will require a seconder and will be put to the vote. Where the motion fails, a motion for the adoption of the alternative voting system will be called for, seconded and put to the vote.
 - d) A result is reached once a motion for a voting system is carried.
 - e) The Chief Executive will call for a motion to decide the method of resolving a tied vote. The motion will be moved and second and put to the vote.
 - f) A result is reached once a motion is carried.

Options

10. The committee requires a Chairperson and a Deputy Chairperson. There is no feasible option than to elect a Chairperson and Deputy Chairperson.

Significance

11. In terms of the *Significance and Engagement Policy*, the decision is determined as not significant as:
- the decision does not affect a large number of residents and ratepayers to a moderate extent
 - the consequences of the decision do not affect a small number of residents and ratepayers to a large extent
 - the decision does not have a history of generating wide public interest with the Taranaki region or New Zealand generally.
12. As such, further consultation and/or engagement is not considered warranted.

Financial considerations—LTP/Annual Plan

13. This memorandum and the associated recommendations are consistent with the Council's adopted Long-Term Plan and estimates. Any financial information included in this memorandum has been prepared in accordance with generally accepted accounting practice.

Policy considerations

14. This memorandum and the associated recommendations are consistent with the policy documents and positions adopted by this Council under various legislative frameworks

including, but not restricted to, the *Local Government Act 2002*, the *Resource Management Act 1991* and the *Local Government Official Information and Meetings Act 1987*.

Iwi considerations

15. This memorandum and the associated recommendations are consistent with the Council's policy for the development of Māori capacity to contribute to decision-making processes (schedule 10 of the *Local Government Act 2002*) as outlined in the adopted long-term plan and/or annual plan.

Community considerations

16. This memorandum and the associated recommendations have considered the views of the community, interested and affected parties and those views have been recognised in the preparation of this memorandum.

Legal considerations

17. This memorandum and the associated recommendations comply with the appropriate statutory requirements imposed upon the Council.



Date 9 March 2023

Subject: **Confirmation of Minutes – 18 August 2022**

Approved by: AJ Matthews, Director - Environment Quality
SJ Ruru, Chief Executive

Document: 3151685

Recommendations

That the Taranaki Solid Waste Management Committee of the Taranaki Regional Council:

- a) takes as read and confirms the minutes and resolutions of the Taranaki Solid Waste Management Committee meeting held at EnviroWaste Transfer station, Colson Road, Bell Block, Thursday 18 August 2022 at 10.30am
- b) notes that the unconfirmed minutes of the Taranaki Solid Waste Management Committee held at on Thursday 18 August at EnviroWaste Transfer station, Colson Road, Bell Block, 2022 have been circulated to the New Plymouth District Council, Stratford District Council and South Taranaki District Council for receipt and information.

Matters arising

Appendices/Attachments

Document 3096552: Minutes Taranaki Solid Waste Committee 18 August 2022



Date: 18 August 2022, 10.30am
Venue: EnviroWaste Transfer Station, Colson Road, Glen Avon
Document: 3096552

Present	Councillors	N W Walker A Jamieson B Roach M Chong D H McIntyre R Handley	Taranaki Regional Council (<i>Chairperson</i>) Stratford District Council (<i>Deputy Chair</i>) South Taranaki District Council New Plymouth District Council Taranaki Regional Council New Plymouth District Council
Attending	Ms Mrs Miss Ms Mr Ms Mr Mr Ms Mr Mr Ms Mr Mr Mr	A Matthews V McKay R Sweeney L Campbell J Cooper K Hope O Leuthart J Beeslar T Hunt M Deans D Hopkins J Turton	Taranaki Regional Council Taranaki Regional Council Taranaki Regional Council Stratford District Council Stratford District Council New Plymouth District Council New Plymouth District Council South Taranaki District Council South Taranaki District Council EnviroWaste Wise Sustainable Taranaki
Apologies	An apology from Ms J Dearden, New Plymouth District Council, Ms R Martin, South Taranaki District Council and Mr H Denton, South Taranaki District Council Roach/Jamieson		
Notification of Late Items	There were no late items.		

1. Confirmation of Minutes – 26 May 2022

Recommendations

That the Taranaki Solid Waste Management Committee of the Taranaki Regional Council:

- a) takes as read and confirms the minutes and resolutions of the Taranaki Solid Waste Management Committee meeting held in the Taranaki Regional Council chambers, 47 Cloten Road, Stratford on Thursday 26 May 2022 at 10.30am
- b) notes that the unconfirmed minutes of the Taranaki Solid Waste Management Committee held at the Taranaki Regional Council, 47 Cloten Road, Stratford on Thursday 26 May 2022 have been circulated to the New Plymouth District Council, Stratford District Council and South Taranaki District Council for receipt and information.

Jamieson/Handley

Matters Arising

- 1.1 The Committee requested a representative from the one of the Hawkes Bay Territorial Authorities be extended an invitation to the first possible Committee meeting with zoom facilities.
- 1.2 Councillor A Jamieson requested the cost per ratepayer for collection services.

2. Regional Waste Minimisation Officer's Activity Report August 2022

- 2.1 Ms K Hope, New Plymouth District Council, spoke to the memorandum to report to the Committee on significant activities undertaken by the Regional Waste Minimisation Officer (RWMO), in collaboration with the district council officers of NPDC, STDC and SDC.

Resolved

That the Taranaki Solid Waste Management Committee of the Taranaki Regional Council:

- a) receives the memorandum *Regional waste minimisation Officer's Activity Report August 2022*
- b) notes the activities of the Regional Waste Minimisation Officer and district councils.

Hope/Jamieson

3. Waste Management and Minimisation Plan Regional Annual KPI Summary 2021/2022

- 3.1 Ms K Hope, New Plymouth District Council, spoke to the memorandum to present to the Committee the waste management and minimisation plan regional annual KPI summary 2021/2022.
- 3.2 Councillor B Roach requested a list of the top five items that are contributing to contamination rates.

Resolved

That the Taranaki Solid Waste Management Committee of the Taranaki Regional Council:

- a) receives the memorandum *Update on the Current Significant Projects for Taranaki Hope/Roach*

4. Towards Zero Waste – Behaviour Change Effectiveness Survey

- 4.1 Mr O Leuthart, New Plymouth District Council, spoke to the memorandum to report to the Committee on the findings from the Towards Zero Waste – Behaviour Change Effectiveness survey.

Resolved

That the Taranaki Solid Waste Management Committee of the Taranaki Regional Council:

- a) receives the memorandum *Towards Zero Waste – Behaviour Change Effectiveness Survey*.
Leuthart/Jamieson

5. General Business

- 5.1 The Committee discussed the continued issue of fly-tipping, being the illegal dumping of liquid or solid waste on land or in water, and associated environmental damage and costs. It was noted that future requirements of the Waste Minimisation and Litter Acts are anticipated to include greater enforcement provisions for local Councils.

There being no further business, Committee Chairperson, N W Walker, declared the meeting of the Taranaki Solid Waste Management Committee closed at 11.52am.

Minutes authenticated pursuant to Model Standing Orders 27.4

Taranaki Regional

Council Chairperson: _____

N W Walker

Taranaki Regional

Chief Executive: _____

S Ruru



Date: 9 March 2023

Subject: **Regional Waste Minimisation Officers Activity Report - February 2023**

Approved by: AJ Matthews, Director - Environment Quality
S J Ruru, Chief Executive

Document: 3150662

Purpose

1. The purpose of this memorandum is to provide an update to the Committee on significant activities undertaken by the Regional Waste Minimisation Officer (RWMO), in collaboration with the district council officers of NPDC, STDC and SDC.

Recommendations

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum *Regional waste minimisation Officer's Activity Report August 2022*
- b) notes the activities of the Regional Waste Minimisation Officer and district councils.

Discussion

2. Attached is the regional waste minimisation officer's activity report February 2023.

Financial considerations—LTP/Annual Plan

3. This memorandum and the associated recommendations are consistent with the Council's adopted Long-Term Plan and estimates. Any financial information included in this memorandum has been prepared in accordance with generally accepted accounting practice.

Policy considerations

4. This memorandum and the associated recommendations are consistent with the policy documents and positions adopted by this Council under various legislative frameworks including, but not restricted to, the *Local Government Act 2002*, the *Resource Management Act 1991* and the *Local Government Official Information and Meetings Act 1987*.

Iwi considerations

5. This memorandum and the associated recommendations are consistent with the Council's policy for the development of Māori capacity to contribute to decision-making processes (schedule 10 of the *Local Government Act 2002*) as outlined in the adopted long-term plan and/or annual plan. Similarly, iwi involvement in adopted work programmes has been recognised in the preparation of this memorandum.

Community considerations

6. This memorandum and the associated recommendations have considered the views of the community, interested and affected parties and those views have been recognised in the preparation of this memorandum.

Legal considerations

7. This memorandum and the associated recommendations comply with the appropriate statutory requirements imposed upon the Council.

Appendices/Attachments

Document 3150669: Regional Waste Minimisation Officers Report - February 2023



Agenda Memorandum

Date: 24 February 2023

Memorandum to Chairperson and Members Taranaki Solid Waste Management Committee

**SUBJECT: REGIONAL WASTE MINIMISATION OFFICER'S ACTIVITY REPORT
SEPTEMBER 2022 – FEBRUARY 2023**

PURPOSE

The purpose of this memorandum is to report on significant activities undertaken by the Regional Waste Minimisation Officer (RWMO), in collaboration with the district council officers of NPDC, STDC and SDC.

This report provides information on activities in the wider community and matters of potential interest to the Committee from September 2022 – February 2023.

RECOMMENDATION

That the Taranaki Solid Waste Management Committee:

1. Receives the memorandum and notes the activities of the Regional Waste Minimisation Officer and district councils.

DISCUSSION

'Food scraps aren't rubbish' campaign *NPDC*

An audit of NPDC landfill bins was undertaken in 2022 which identified that 40% of landfill bin waste at the kerbside was organic material, half of which was food scraps. With the food scraps collection service in place, the team identified that some education was needed to improve the use of the service. A campaign was developed to encourage residents to stop putting food waste in their landfill bin, focusing on a "Food scraps aren't rubbish" catch phrase. A 15 second animated video was developed that ran at the local cinema for eight weeks, made available on [Youtube](#), with an accompanying GIF developed for google ads and Metservice, and a full page ad was placed in the Midweek.



The Junction Holiday Market – 3 December 2022* *NPDC

The NPDC Zero Waste team joined The Junction Zero Waste Hub at their pop-up holiday market located on Colson Road. The focus was on festive waste reduction ideas and tips. We provided examples of zero-waste gifting and wrapping, and a focus on upcycling linking with the Junction Shop and promoting what the Junction can provide for the community.

The Saturday market was fun and interactive and 300+ people attended between 10 am and 2 pm. There were a variety of stall holders promoting reuse and recycling like upcycled jewellery, recycled plant pots and upcycled festive decorations were just some of the stalls at the market. There was a good level of engagement and with lots of interest in NPDC's zero waste wrapping, Give An Experience, and upcycled gift ideas. This was a positive event to close the year off with.

ECM 8815612

The comments from the public were very positive.

"I love the ideas"

"I do a lot of this now to stop in going to landfill!"

"This is great!"

"I did not know zero waste was council run"



Repair Café – 3 December 2022 - *SDC*

Repair Cafés are free pop-up events where local people bring in their broken or damaged belongings and local volunteer experts do their best to repair them. [Repair Café Aotearoa New Zealand](#) (RCANZ) aims to foster a culture of repair in New Zealand and supports local communities to host their own repair cafés. Stratford District Council hosted and supported the first Repair Café in Taranaki on 3 December 2022 at the War Memorial Hall.

The Repair Café was a success with over 30 walk-ins for repairs and a further 25-30 people visiting. Sixty two items were brought in for repair; 52 of these were repaired on day and four items repaired by volunteers over the following week. Four items could not be repaired as these were electronics and there was not have a technician to cover these times.

Repair items ranged from a 100+ year old kerosene lamp to vacuum cleaners and included electrical, mechanical, bikes and scooters, sewing repairs, wood and furniture, ornaments and toys.

The repairs were all done by community volunteers with 7 volunteers providing repair services on the day. All volunteers have said they want to continue to provide this service so community will be driving a repair café event every three months. The next planned

community led one will be 2 April and then every 2 month after on the Sunday of the month in 2023.



News:<https://www.nzherald.co.nz/stratford-press/news/stratford-repair-cafe-successful-thanks-to-handy-volunteers/ERUKL6RHSFDBJKBJYLDXVENBL4/>

STRATFORD PRESS

Stratford Repair Café successful thanks to handy volunteers

Stratford Press

13 Dec, 2022 12:47 PM 2 mins to read

Save Share



Repair Café volunteer Ray Wales repairs an antique toy.

Bikes and furniture were just some of the things fixed at Stratford's Repair Café.

Over 60 free repairs were completed for people from the community at the Stratford District Council (SDC) event.

**Waste Free with Kate – Food Masterclass, Parenting Workshops - *NPDC* *STDC*
*SDC***

Waste Free Parenting

Twenty people attended the New Plymouth Waste Free Parenting workshop on 26 September 2022. Feedback indicated the workshop was well received with 100% of attendees rating the workshop value for money. In Stratford, 12 people attended the parenting workshop held on the 29th September with all reporting on the success of the event. SDC officers also ran a Recycling awareness program throughout the day providing information on how and what to recycle

A total estimate of 23.8 tonnes of waste is estimated to be diverted from landfill by the workshop attendees in relation to the use of reusable cloth nappies.

Table 1 Number of workshop attendees for Waste Free with Kate Workshops

Workshop	NPDC	STDC	SDC
Waste Free Parenting	20		12
Food Master Class	22		24
Waste Free Living		50	

Food Masterclass

Twenty two people attended the New Plymouth Food Lovers Masterclass 27 September 2022. Feedback from the workshop indicated that 69% rated the workshop excellent and 32% very good with 82% confirming the workshop was value for money.

Stratford had 24 attendees for the food Lovers class on the 29 September at 6pm. Attendees provided feedback that the Waste Free Parenting workshop was too early in the day for most to attend.

The workshop and incentive packs given to the attendees increased interest in the workshops which was funded by Councils at a reduced rate of \$20 Per Person. The majority of people indicated they heard of the workshop through social media and 20% through word of mouth. NPDC linked to the Kate Meads event page on Facebook which helped promote the workshop locally.

Feedback:

- “Great workshop with lots of interesting info and different perspectives on how we see food. Picked up a few useful new tips, and found out about some helpful products to reduce food waste. Thanks.”
- “Very informative and facilitator was very knowledgeable and nice”
- “Really helpful, fantastic gift pack - thank you”

Waste free living

South Taranaki District Council ran a very successful Waste-Education Workshop in Hāwera on Wednesday 28 September with a sell-out crowd of 50. Attendees learned waste minimisation tips on everything from food storage to smarter shopping, to the difference between best before date and use by dates. Feedback was very positive, and attendees confirming they had a fantastic evening.



Recycling Expired Car seat Event - September 2022 - *SDC*

Stratford District Council ran an awareness campaign on the dangers of expired child restraints. The Council arranged with 3R recyclers (Wellington) to collect and recycle expired car seats and charged residents \$10.00 per seat with \$15.00 subsidised by the Council. Eighty eight percent of the car seat can be recycled. Forty six seats were collected and diverted from landfill.

Zero Waste Events - *NPDC*

One of the challenges with providing Zero Waste Events, is managing contamination at the bin stations. Having people stationed with Zero Waste bins can help reduce contamination but the ability for event organisers to resource bin stations with people has been challenging. To fill this gap, New Plymouth District Council has contracted Sustainable Taranaki to manage resources for monitoring Zero Waste Stations at NPDC and community events. The purpose of this initiative is to provide support to event patrons to use the right bins, reduce contamination and increase the total waste diverted from events. Any club or community organisations that provide resources receive a donation for their mahi alongside other incentives. The contract has been in place since October 2020 and following the summer period, there are now 100 volunteers on Sustainable Taranaki's list. This is made up of sports clubs, community organisations and individuals from around the district.

As part of the Festival of the Lights, NPDC have been working on improving the management of Zero Waste Stations throughout the summer events programme and have introduced custom designed Zero Waste Stations at four locations around the park for the duration of the festival. These stations were funded collaboratively through the Waste Levy Fund, Festival of the Lights and Waste Management. This was also the first event Sustainable Taranaki coordinated Zero Waste Station resources for, to manage these stations and provide support to the public.



Historically, 100% of waste from the festival of the lights has been sent to landfill due to limited options for patrons to divert their waste and high contamination rates in recycling bins provided. The new waste stations combined with the resources provided by ST has meant the event has achieved 69% diversion across duration of the festival. With no controls on the materials that come into the festival, this is a massive success! Guests at the festival admired the initiative taken by the Council and its partners, some international visitors taking photos to do a similar thing at festivals overseas.

Prepared by

Miss Jessica Dearden

REGIONAL WASTE MINIMISATION OFFICER



Date: 9 March 2023

Subject: **Waste Management and Minimisation Plan Update**

Approved by: AJ Matthews, Director - Environment Quality
S J Ruru, Chief Executive

Document: 3150628

Purpose

1. The purpose of this memorandum is to provide an update to the Committee on the review of the Waste Management and Minimisation Plans for the Taranaki region.

Recommendations

That the Taranaki Regional Council:

- a) receives the memorandum *Waste Management and Minimisation Plan Update*.

Discussion

2. Attached is the project update from New Plymouth District Council on the Review of the Waste Management and Minimisation Plans.

Financial considerations—LTP/Annual Plan

3. This memorandum and the associated recommendations are consistent with the Council's adopted Long-Term Plan and estimates. Any financial information included in this memorandum has been prepared in accordance with generally accepted accounting practice.

Policy considerations

4. This memorandum and the associated recommendations are consistent with the policy documents and positions adopted by this Council under various legislative frameworks including, but not restricted to, the *Local Government Act 2002*, the *Resource Management Act 1991* and the *Local Government Official Information and Meetings Act 1987*.

Iwi considerations

5. This memorandum and the associated recommendations are consistent with the Council's policy for the development of Māori capacity to contribute to decision-making processes (schedule 10 of the *Local Government Act 2002*) as outlined in the adopted long-

term plan and/or annual plan. Similarly, iwi involvement in adopted work programmes has been recognised in the preparation of this memorandum.

Community considerations

6. This memorandum and the associated recommendations have considered the views of the community, interested and affected parties and those views have been recognised in the preparation of this memorandum.

Legal considerations

7. This memorandum and the associated recommendations comply with the appropriate statutory requirements imposed upon the Council.

Appendices/Attachments

Document 3150634: Review of Waste Management and Minimisation Plans

When replying please quote: 8935339

Date: 24 February 2023

To: **Taranaki Solid Waste Management Committee**

SUBJECT: Review of Waste Management and Minimisation Plans - project update

BACKGROUND

The Waste Management and Minimisation Plan (WMMP) is intended to be the guiding document for councils to promote and achieve effective and efficient waste management and minimisation within their district and is reviewed every six years, as required under the Waste Minimisation Act 2008.

The review process involves undertaking a Waste Assessment, which involves assessing:

- Where are we now? (reviewing existing data and identifying gaps and issues)
- Where do we want to be? (setting our vision, goals and objectives)
- How are we going to get there? (options to achieve our vision)

New Plymouth, Stratford and South Taranaki district councils are completing a joint Waste Assessment and will have three separate but aligned WMMPs based on the Regional Waste Assessment.

Work on the project started in July 2022 and the planning and engagement process (Figure 1) is occurring in four stages. An update on the initial stage 1 engagement was provided in the August 2022 meeting.



Figure 1 Planning and Engagement Process for Regional Waste Assessment and WMMPs

STAGE 1 WHERE ARE WE NOW?

Data from across the region has been gathered on the activities that have been undertaken in the last six years (Figure 2). As a result of the work undertaken through the current WMMP action plans, waste per person in Taranaki has been gradually decreasing (Figure 3). The most impact on waste volumes diverted to reuse and recycling has been through council kerbside collections (Figure 4) due to the introduction of organic waste collections and increased recycling.

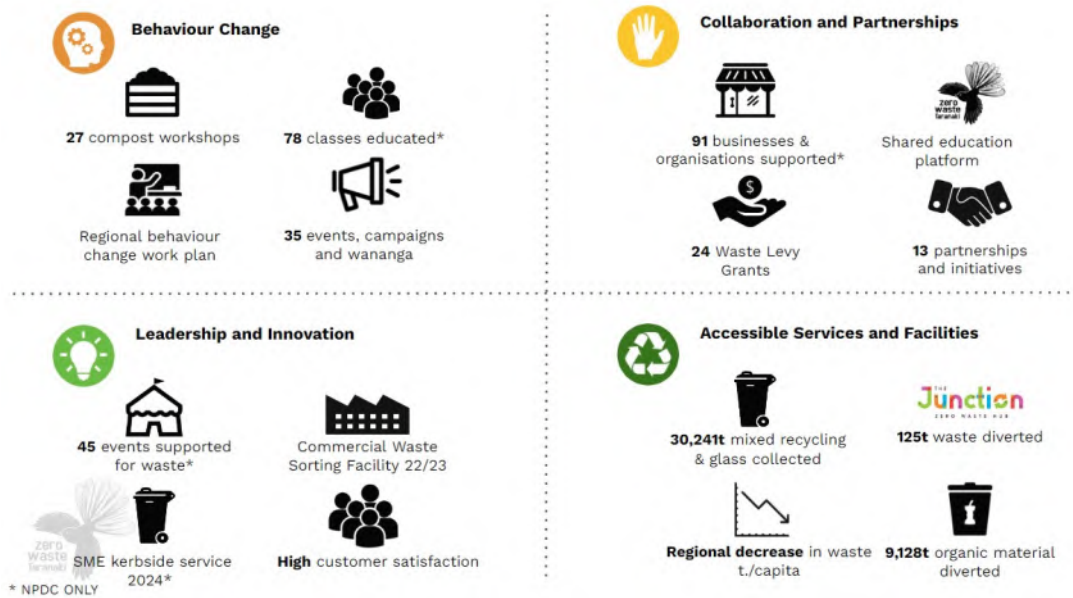


Figure 2 Summary of waste minimisation activities between 2016 and 2022

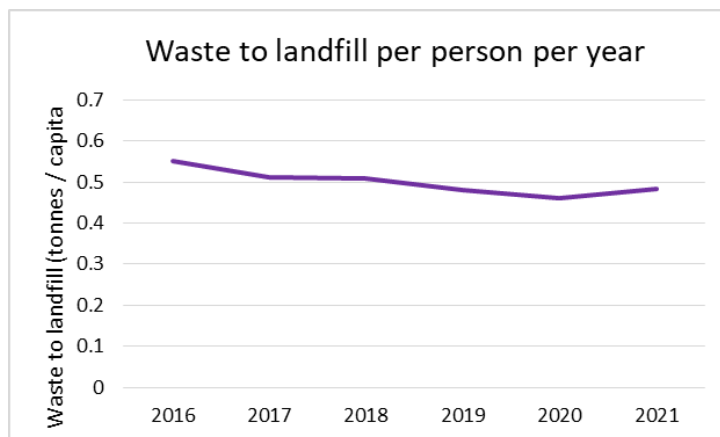


Figure 3 Annual waste per person disposed to landfill in Taranaki



Figure 4 Change in waste volumes for waste collected at kerbside by NPDC, SDC and STDC between 2016 and 2022

A more detailed review of the current state of waste in Taranaki will be presented in the draft Waste Assessment later this year.

ENGAGEMENT FOR STAGE 2 WHERE DO WE WANT TO BE?

Stage 2, *Where do we want to be?* sets the vision and goals of each council’s Waste Management and Minimisation Plan over the next six years. The research phase of the project identified some key drivers that will need to be incorporated into these vision and goals as shown in Figure 5. This research plus the information we captured in stage 1, *Where are we now?* mentioned above set the context for stage 2.

Who

We ran engagement campaign between October 2022 and January 2023 to co-design our vision and goals with the Taranaki community. We identified five main stakeholder groups to target in this campaign: Commercial, Community, Rural, Key Stakeholders, Wider Public and Iwi and Hapū

Methods

The wider public provided feedback through a public survey and the commercial, rural, community and key stakeholder groups were invited to a series of workshops held across the region and virtually. The workshops were a mix of the different stakeholder groups to discourage ‘group-think’ in vision and goal building.

Iwi and Hapū are also being consulted with on a 1:1 engagement pathway at this stage. We have utilised a similar structure to the stakeholder workshops in these meetings. A special focus has been giving to the Te Ao Māori – Council Aligned Guiding Principles Model shown in Figure 6 to get initial feedback on this approach.

Outputs

An overview of the attendance and survey responses is outlined in Figure 7, Figure 8 and Figure 9 below. More information on the outputs can be found [here](#).



Figure 5 Key drivers that will input into the development of Taranaki waste vision and goals



Figure 6 Te Ao Māori – Council Aligned Principles Model Draft



Figure 7 Overview of outputs from the Stage 2, *Where Do We Want To Be?* Engagement



Figure 8 Top vision statement themes from engagement workshops



Figure 9 Top goal statement themes from engagement workshop

Evaluation

A review of how stage 2 engagement went has identified what went well and what we could improve to ensure the next stages of this project can incorporate any learnings.

Key Findings Wider Community Engagement

- **36%** of survey respondents found out about the survey through direct mail out.
- **2%** of survey respondents found out about the survey through the newspaper.
- **1228** visits to websites hosting information vs **251** surveys completed.
- **100%** survey completion rate.
- **82%** were neutral to extremely satisfied with opportunity to feedback.
- Geographic distribution of responses was: **NPDC 86%, SDC 5%, STDC 9%**
- Gender distribution: **53% Female 47% Male.**

Key Recommendations Wider Community Engagement

- Book advertising well ahead of time.
- Include QR code in print media to increase response rate.
- Utilise mailing lists for high survey responses.
- Improve website to host material and feedback platform for higher conversion of visits to responses.



Key Findings Stakeholder Workshops

- **43%** of stakeholders RSVP'd to invitation.
- **64%** of those who RSVP's attended the workshop.
- **27%** of stakeholders invited attended workshop.
- **86%** were satisfied with the workshop.
- **48** vision and goal statements captured.

Key Recommendations Stakeholder Workshops

- Use third parties or staff with direct connection to stakeholders to send invitations.
- Book venues and facilitators with plenty of notice to ensure availability.
- Have practice 'dry-run' at selected venue to test equipment and process. This provides an opportunity to brief staff on workshop process.
- Refocus on the goal of the specific stage to ensure the outputs remain relevant and on target.

NEXT STEPS

The next stage involves pulling together a list of options that will address any issues and gaps identified from the first stage (*Where are we now?*) and meet the forecasted demands of the region based on visions, goals, targets and objectives. This is Stage 3, *How Are We Going to Get There?* in Figure 1 above.

Waste officers are currently working on a draft list of options and will engage with key stakeholders, iwi and hapu to workshop options and ideas over the next two months. All options will be assessed using evaluation criteria to confirm a set of preferred options that can be presented in the Regional Waste Assessment and draft WMMPs for each council.

Once a draft Waste Assessment and WMMPs has been completed, this will go through the Special Consultative Procedure (as required under the Waste Minimisation Act 2008) via each district, with final WMMPs to be adopted by November 2023.

Kimberley Hope
MANAGER RESOURCE RECOVERY AND ASSET DATA (NPDC)

Oliver Leuthart
BEHAVIOUR CHANGE LEAD, RESOURCE RECOVERY (NPDC)



Date: 9 March 2023

Subject: **Update on Recycling Contamination and the Summer Recycling Audit**

Approved by: AJ Matthews, Director - Environment Quality
S J Ruru, Chief Executive

Document: 3150671

Purpose

1. The purpose of this memorandum is to provide an update to the Committee on the status of recycling contamination throughout the region.

Recommendations

That the Taranaki Regional Council:

- a) receives the memorandum *Update on Recycling Contamination and the Annual Summer Recycling Audit*.

Discussion

2. Attached is the report on the recycling contamination and the annual summer recycling audit.

Financial considerations—LTP/Annual Plan

3. This memorandum and the associated recommendations are consistent with the Council’s adopted Long-Term Plan and estimates. Any financial information included in this memorandum has been prepared in accordance with generally accepted accounting practice.

Policy considerations

4. This memorandum and the associated recommendations are consistent with the policy documents and positions adopted by this Council under various legislative frameworks including, but not restricted to, the *Local Government Act 2002*, the *Resource Management Act 1991* and the *Local Government Official Information and Meetings Act 1987*.

Iwi considerations

5. This memorandum and the associated recommendations are consistent with the Council's policy for the development of Māori capacity to contribute to decision-making processes (schedule 10 of the *Local Government Act 2002*) as outlined in the adopted long-term plan and/or annual plan. Similarly, iwi involvement in adopted work programmes has been recognised in the preparation of this memorandum.

Community considerations

6. This memorandum and the associated recommendations have considered the views of the community, interested and affected parties and those views have been recognised in the preparation of this memorandum.

Legal considerations

7. This memorandum and the associated recommendations comply with the appropriate statutory requirements imposed upon the Council.

Appendices/Attachments

Document 3150676: Student Recycling Audit and Contamination report



When replying please quote: ECM 8935482

Date: 26 February 2023

To: **Taranaki Solid Waste Management Committee**

SUBJECT: **Update on recycling contamination and the annual summer recycling audit**

Purpose

The purpose of this memo is to provide an update on the status of recycling contamination in the Taranaki region and the results of the annual student summer recycling audit undertaken by New Plymouth District Council.

Background

Contamination of recycling is monitored through the amount of landfill waste that exits the Material Recovery Facility, compared to the incoming recycling from council and commercial collections across the Taranaki Region (Figure1). Overtime, contamination has gradually increased and the councils implement a number of initiatives to try to reduce contamination. Since the last update to the Taranaki Solid Waste Management Committee in February 2022, key improvements have included the installation of an optical sorter for automating the sorting of plastics at the Materials Recovery Facility, to improve the capture of plastic items and increase overall sorting quality and efficiency. This has started to see a reduction in residual material (contamination) since March 2022 (Figure 1).

To get more understanding of recycling at the household prior to collection, over the past six years, NPDC has engaged the help of university students to undertake a district wide audit of kerbside recycling bins. This memo outlines the audit trends over time and also the top five contaminants found in the 2022 audit.

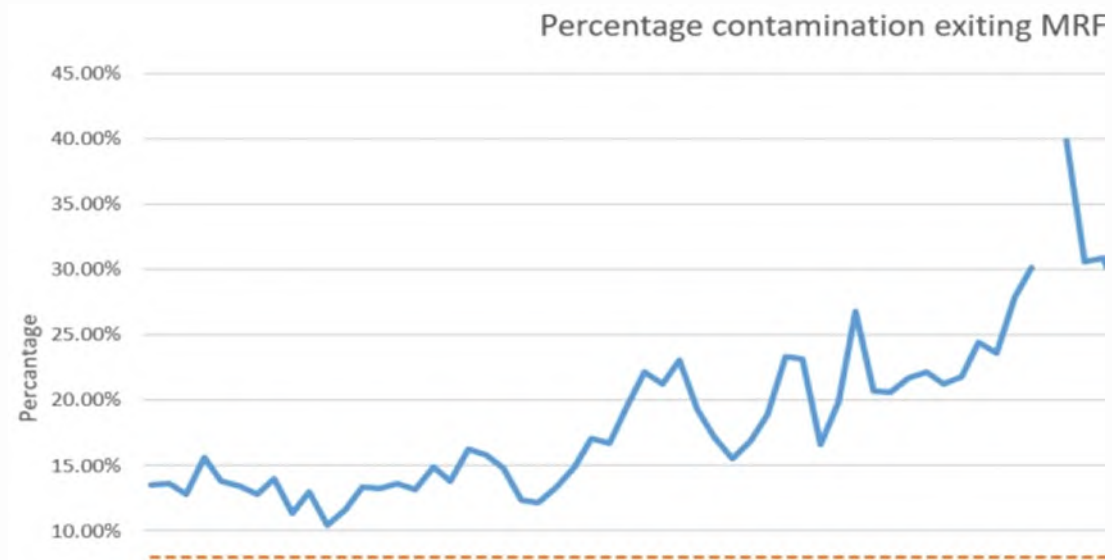


Figure 1 - Recycling contamination at the MRF between January 2016 and January 2023

Residential recycling bin audit

A survey of residential recycling was conducted in the New Plymouth district in December 2022 and January 2023. Similar audits have been conducted annually from 2015 to 2021.

The aim of this survey is to identify overall recycling behaviours in household recycling compared to previous years. A total of 457 recycling bins were audited in the 2022 survey. The sample size of 457 bins ensured an accurate representation of the population with a 95% level of confidence and 5% margin of error. The recycling bins were randomly selected from suburbs across New Plymouth district, with sample size relative to size of the suburb. The recycling bin contents were emptied into a bag at the roadside and tagged with the address they came from, sorted into various categories and weighed. The number of bins audited has steadily increased over the past four years to improve accuracy and match the growing number of households receiving the service.

The results showed that recycling contamination is steadily increasing, and an overall mean household contamination rate of 14.26% was identified in the recycling bins surveyed this year (Figure 2).

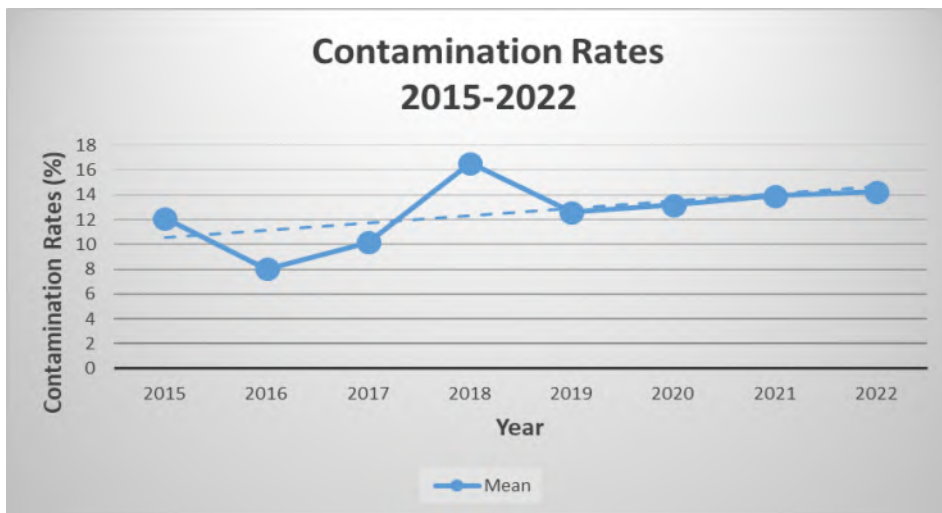


Figure 2 - household contamination rates 2015-2022

The top five contaminants identified were dirty recyclables (50.3%), soft plastics (47.3%), containers with lids on (35.2%), non-recyclable plastics (32.2%) and glass (14.2%) (Figure 3).

Liquid paperboard (commonly known under the brand name tetra-pak) was also a commonly found item in recycling bins at 12.3%.

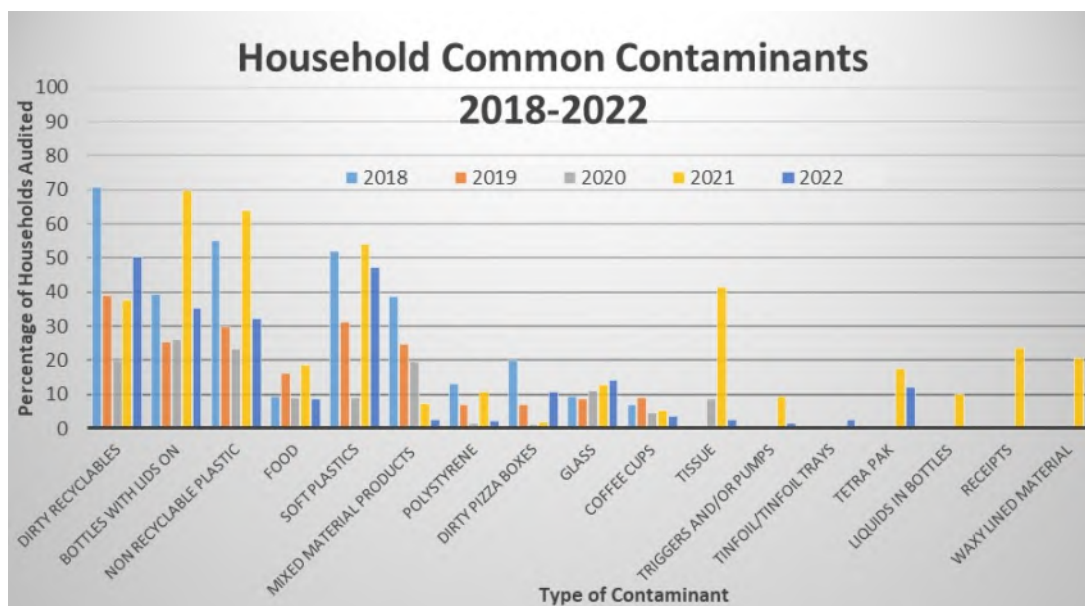


Figure 3 - common household contaminants 2018-2022

This information collected will be used to determine further education and community engagement opportunities to focus on over the coming year i.e. tips on how to prepare recycling (clean and no lids), alternative recycling options such as soft plastics and liquid paperboard, as well as more direct approaches to particular suburbs.

Contamination rate by suburb

Tables 1 and 2 outline the five top and bottom suburbs over the past eight recycling audits.

Table 1 - Top five suburbs with the highest contamination rates 2015-2022

	2015	2016	2017	2018	2019	2020	2021	2022
1.	Vogeltown (32.79%)	Whalers Gate (26.04%)	Merrilands (23.41%)	Welbourn (32.60%)	Frankleigh Park (22.82%)	Marfell (21.04%)	Hillsborough (51.46%)	Hurdon (22.66%)
2.	Hurdon (20.18%)	Brooklands (20.77%)	Waitara (21.11%)	Spotswood (32.30%)	Moturoa (22.06%)	Fitzroy (21.01%)	Moturoa (27.47%)	Blagdon/Lynmouth (22.61%)
3.	Bell Block (15.26%)	Spotswood (17.68%)	Upper Vogeltown (19.25%)	Strandon (31.66%)	Marfell (21%)	Bell Block East (19.03%)	Blagdon/Lynmouth (23.47%)	Glen Avon (21.18%)
4.	Inglewood (14.33%)	Waitara (17.20%)	Spotswood (18.22%)	Waitara (25.48%)	Strandon (19.14%)	Hurdon (17.65%)	Ōakura (23.13%)	Lower Vogeltown (20.68%)
5.	Lynmouth (13.13%)	Ōakura (13.86%)	Ferndale (18.04%)	Brooklands (25.12%)	Bell Block (18.59%)	Strandon (17.38%)	Upper Vogeltown (22.53%)	Urenui/Tikorangi (18.33%)

Table 2 - Five suburbs with the lowest contamination rates 2015-2022

	2015	2016	2017	2018	2019	2020	2021	2022
1.	Moturoa (5.03%)	Ferndale (0.63%)	Glen Avon (0.72%)	Whalers Gate (1.29%)	Ōakura (5.95%)	Ōakura (5.34%)	Egmont Village (3.76%)	Ferndale (6.56%)
2.	Ferndale (5.19%)	Highlands Park (1.39%)	Strandon (1.53%)	Glen Avon (2.87%)	Brooklands (6.31%)	Lepperton (5.43%)	Omata (4.81%)	Egmont Village (7.19%)
3.	Highlands Park (6.28%)	Hurdon (1.97%)	Westown (1.68%)	Highlands Park (4.82%)	Welbourn (7.2%)	Highlands Park (5.72%)	Ferndale (4.82%)	Upper Vogeltown (8.80%)
4.	Welbourn (6.30%)	Westown (3.17%)	Vogeltown (3.47%)	Fitzroy (5.66%)	Merrilands (8.56%)	Merrilands (7.92%)	Hurdon (5.36%)	Frankleigh Park (9.29%)
5.	Fitzroy (9.54%)	Upper Vogeltown (3.39%)	Oakura (3.81%)	Inglewood (7.8%)	Hurdon (8.74%)	Inglewood (8.77%)	Strandon (5.48%)	Brooklands (9.39%)

The five suburbs with the highest contamination rate for 2022 were Hurdon, Blagdon/Lynmouth, Glen Avon, Lower Vogeltown and Urenui/Tikorangi.

The five suburbs with the lowest contamination rate for 2022 were Ferndale, Egmont Village, Upper Vogeltown, Frankleigh Park and Brooklands.

Recycling contamination education

Following the summer audit, the Resource Recovery team are working to develop a contamination education campaign, picking key themes and common contaminants, and developing material that can be utilised when trends in contamination are identified.

All three Councils continue to work closely with EnviroWaste Services Ltd, the solid waste services contractor, to encourage proactive reporting from collection drivers, improving the quality of the bin auditor inspections and reports, as well as ensuring a plan is in place to audit all serviced properties within the region.

Morgan Harrison
OPERATIONS LEAD RESOURCE RECOVERY

AGENDA AUTHORISATION

Agenda for the Taranaki Solid Waste Management Committee meeting held on Thursday 9 March 2023.

Confirmed:



2 Mar, 2023 2:12:17 PM GMT+13

A J Matthews
Director - Environment Quality

Approved:



2 Mar, 2023 12:47:10 PM GMT+13

S J Ruru
Chief Executive