



# **AGENDA**

# Taranaki Solid Waste

Thursday 4 November 2021, 10.30am

# Taranaki Solid Waste Management Committee

04 November 2021 10:30 AM

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**Membership of Taranaki Solid Waste Management Committee**

Neil Walker	Taranaki Regional Council
Alan Jamieson	Stratford District Council
Bryan Roach	South Taranaki District Council
Richard Handley	New Plymouth District Council

**Health and Safety Message**

**Emergency Procedure**

In the event of an emergency, please exit through the emergency door in the committee room by the kitchen.

If you require assistance to exit please see a staff member.

Once you reach the bottom of the stairs make your way to the assembly point at the birdcage. Staff will guide you to an alternative route if necessary.

**Earthquake**

If there is an earthquake - drop, cover and hold where possible.

Please remain where you are until further instruction is given.



**Date** 4 November 2021

**Subject:** **Confirmation of Minutes - 4 November 2021**

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

**Document:** 2898726

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### **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 12 August 2021 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 12 August 2021 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 2838774: Minutes Taranaki Solid Waste Committee Meeting - 12 August 2021



**Date:** 12 August 2021, 10.30am  
**Venue:** Taranaki Regional Council, 47 Cloten Road, Stratford  
**Document:** 2838774

**Present**

Councillors	N W Walker	Taranaki Regional Council
	B Roach	South Taranaki District Council
Mayor	A Jamieson	Stratford District Council

**Attending**

Councillor	D H McIntyre	Taranaki Regional Council
Ms	A Matthews	Taranaki Regional Council
Miss	T West	Taranaki Regional Council
Miss	L Davidson	Taranaki Regional Council
Ms	V Araba	Stratford District Council
Ms	L Campbell	Stratford District Council
Mr	J Cooper	Stratford District Council
Mr	A Green	Envirowaste
Ms	K Hope	New Plymouth District Council
Ms	J Dearden	New Plymouth District Council
Mr	H Denton	South Taranaki District Council
Mr	J Beeslaar	South Taranaki District Council

In the absence of the Committee Chairman Mr N W Walker (Taranaki Regional Council) the deputy chairman Mr A Jamieson (SDC) opened the meeting.

**Apologies** An apology for lateness was received from Committee Chairman Councillor N W Walker and apologies were received from Councillor R Handley (NPDC) and Mr D Langford (NPDC).  
Roach/Jamieson

**Notification of Late Items** There were no late items.

## 1. Confirmation of Minutes

### Resolved

That the Taranaki Solid Waste management Committee:

- 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 20 May 2021 at 10.30am
- b) notes that the minutes of the Taranaki Solid Waste Management Committee held at the Taranaki Regional Council chambers, 47 Cloten Road Stratford on Thursday 20 May 2021 have been circulated to the New Plymouth District Council, Stratford District Council and the South Taranaki District Council for their receipt and information.

McIntyre/Roach

### Matters arising

There were no matters arising.

*Mr N Walker arrived at 10.40am and resumed the chair for the remainder of the meeting.*

## 2. Regional Waste Minimisation Officer's Activity Report

- 2.1 Ms J Dearden, Regional Waste Minimisation Officer, New Plymouth District Council, spoke to the memorandum informing the Committee of significant activities undertaken by the Regional Waste Minimisation Officer in collaboration with the district council officers from New Plymouth District Council, Stratford District Council and South Taranaki District Council.
- 2.2 AgRecovery - A suggestion was made that it should be opened up to other groups e.g golf courses. It was noted that in future they should look at holding one around the Coast as the closest ones were in New Plymouth or Hāwera.

### Resolved

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum and notes the activities of the Regional Waste Minimisation Officer.

Jamieson/Roach

## 3. South Taranaki District Council Mid-term WMMP Review

- 3.1 Ms R Martin, Environment and Sustainability Manager, South Taranaki District Council, spoke to the memorandum providing the Committee a summary of STDC's Waste Management and Minimisation Plan Mid-term Review and a summary of STDC Councillors recommendations that emerged from a Councillor workshop focused on the future direction of waste minimisation work in South Taranaki.
- 3.2 The Council has approved funding for a feasibility study a meeting is being held next week to evaluate proposals and kick off in September, due to finish in December then back to council.

**Resolved**

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum and notes the results of STDC's WMMP Mid-term Review and Councillor workshop regarding the future direction of the waste minimisation work in South Taranaki.

Walker/Roach

**4. Regional Annual Education Plan**

- 4.1 Ms J Dearden, Regional Waste Minimisation Officer, New Plymouth District Council, spoke to the memorandum presenting the 2021/2022 Regional Education Plan.
- 4.2 All campaigns undertake monitoring on the outcomes so know what is working. It was noted that work on how to collect this data could be done better.

**Resolved**

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum and notes the focus of each of the three councils in Taranaki.

Jamieson/Roach

**5. New Plymouth District Council Waste Reduction Plan**

- 5.1 Ms K Hope, Manager – Resource Recovery, New Plymouth District Council, spoke to the memorandum updating the Committee on the new requirement being introduced in the New Plymouth District for commercial construction projects of \$500,000 and over to submit a Construction Waste Reduction Plan.
- 5.2 Launched this morning at a breakfast with builders and architects which was well received.
- 5.3 A template has been developed for them to work through to make the process easier and ensure Council is receiving the right information.

**Resolved**

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum *New Plymouth District Council Waste Reduction Plan*.

Walker/Jamieson

It was noted that Officers will explore options for the next meeting to include visits to the Junction and potentially the concrete recycler.

There being no further business, Committee Chairperson, Councillor N Walker, declared the meeting of the Taranaki Solid Waste Management Committee closed at 11.45pm.

**Confirmed**

**Chairperson** \_\_\_\_\_

**N W Walker**

**4 November 2021**





**Date:** 4 November 2021

**Subject:** **Taranaki District Health Board COVID-19 Associated Biohazard Waste**

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

**Document:** 2901004

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### **Purpose**

1. The purpose of this memorandum is to provide the Committee with an update from Maria Cashmore, Taranaki District Health Board, covering the following topics:
  - Development of a process to manage Taranaki DHB's COVID-19 associated community biohazard waste.
  - Taranaki DHB's COVID-19 community healthcare service and associated waste.
  - Seek key council contacts to discuss this further.

### **Recommendations**

That the Taranaki Solid Waste Management Committee:

- a) receives the verbal update provided by Maria Cashmore, Taranaki District Health Board.

### **Financial considerations—LTP/Annual Plan**

2. 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**

3. 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**

4. 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**

5. 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**

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



**Date** 4 November 2021

**Subject:** **Regional Waste Minimisation Officer's Activity Report**

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

**Document:** 2899371

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### **Purpose**

1. The purpose of this memorandum is to inform the Committee members of significant activities undertaken by the Regional Waste Minimisation Officer, in collaboration with the district council officers of New Plymouth District Council, Stratford District Council and South Taranaki District Council.

### **Recommendations**

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum and notes the activities of the Regional Waste Minimisation Officer.

### **Discussion**

2. The Regional Waste Minimisation Officer's activity report is attached.

### **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 2899377: Regional Waste Minimisation Officer's Activity Report for the Third Quarter



NPDC reference:

## Agenda Memorandum

**Date:** 4 November 2021

**Memorandum to Chairperson and Members Taranaki Solid Waste Management Committee**

**SUBJECT: REGIONAL WASTE MINIMISATION OFFICER'S ACTIVITY REPORT  
THIRD QUARTER 2021**

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## 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 August 2021 and November 2021.

## RECOMMENDATION

That the Taranaki Solid Waste Management Committee:

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

## DISCUSSION

*Covid -19 impact on services and education campaigns* \*NPDC\* \*STDC\* \*SDC\*

Since the last meeting of the Committee held on May 2021 there has been another nationwide level 4 lockdown due to the spread of COVID-19 Delta community cases. New Zealand was on Alert Level 4 from 7 to 31 August 2021. Due to the Delta outbreak, and resulting lockdown at levels 3 and 4 waste minimisation events and campaigns within the community have been postponed to later in the year or been provided online where possible. Council staff has been working at home and focusing on online platforms for community engagement. The Covid pandemic continues to make planning for future events and community engagement uncertain.

Regional collaboration on Council services and key messages during the different covid alert levels worked well. Taking learnings from the last national lockdown, during Level 4 the kerbside collection services continued to be collected as normal for mixed recycling, and landfill, and greenwaste (STDC), with food scraps (NPDC) and glass not collected. Collected mixed recycling was landfilled during level 4 due to the Material Recovery Facility being unable to operate safely. With the shift to level 3 all kerbside collection waste streams were collected as normal, and glass was collected but not colour

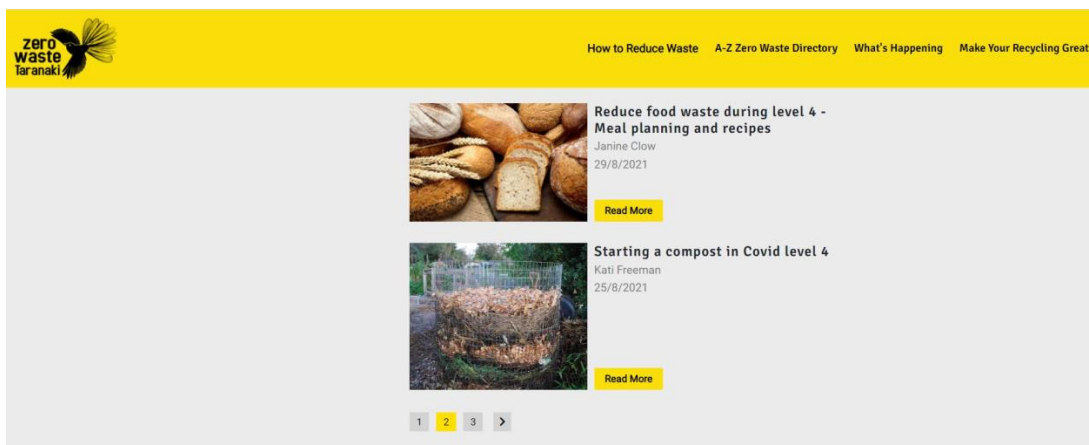
sorted at kerbside until level 2. All recycling was able to be recycled with the Material Recovery Facility able to start processing recycling during level 3. Keeping services as normal as possible was a focus and has meant that recycling contamination has remained similar to pre-lockdown levels. Transfer stations remained open for essential services only.

The RWMO has developed collateral for households on waste minimisation during the Covid-19 lockdown levels 3 and 4 with a focus on Compost, Cook, Reduce and Create, a number of ideas and tips were shared with the public through social media platforms like Facebook, Council websites, and a number of blogs on the Zero Waste Taranaki Website.

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### *What's happening blog*

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Councils communicated the implications of lockdown levels and what this would mean for weekly kerbside and transfer station services. Each District communicated through Facebook posts and Council websites the changes and restrictions at alert levels 3 and 4. Our service changes were in line with national guidance and what our contractors were able to safely provide when handling household waste.

- [New Plymouth District Council \(NPDC\)](#)
- [Stratford District Council \(SDC\)](#)
- [South Taranaki District Council \(STDC\)](#)


NPDC developed effective graphics to address what services were and were not running during Level 3 and 4. These were also supported with a blog on the [Zero Waste Taranaki Website](#) to communicate with the public about kerbside and transfer station services operating at level 3 and 4 for the whole region. The NPDC call centre had reduced calls in relation to alert level services compared to the last lock down in 2020. There was more online traffic and hits on the Zero Waste Taranaki website due to the website being linked to blog posts on kerbside services. New Plymouth District Council Facebook posts went up on 23 and 30 August and 2 September, each receiving 30 – 100 shares.

**What's Happening**

Keep up to date with our latest tips, campaigns and events.  
 New Plymouth Resource Recovery Facility Tours are open for future bookings.

[Click here for Resource Recovery Facility Tour bookings and further information](#)

**Categories**  
[All \(24\)](#)  
[Blogs \(24\)](#)  
[Campaigns \(10\)](#)  
[Events \(1\)](#)  
[Workshops \(0\)](#)



**Your Kerbside Bin Collection: Important Information At Level 4.**

Resource Recovery Team  
25/8/2021

[Read More](#)

To keep our collectors and streets safe from smashed glass, please keep glass below the top of your crate.

✓ **Collected**



✗ **Not Collected**



Please save any extra glass for your next collection.



**Rubbish information at Level 3**

All bins collected as usual




**Rubbish information at Level 4**

Red and yellow topped bins as usual



No glass or food scraps collection in L4




New Plymouth District Council developed messaging around the use of face masks in line with the national guidance. The team researched both disposable and reusable face masks. The commercial waste minimisation team set up collection points for disposable masks at the Council. [The Zero Waste Taranaki website](#) also had a blog with information links on masks and how to go about choosing a reusable mask. The team provided Health and safety information for the public on how to go about obtaining a reusable mask and which types met the national recommendations. This blog was highlighted in a [stuff article](#) about the amount of disposable face masks being found as litter on beaches.

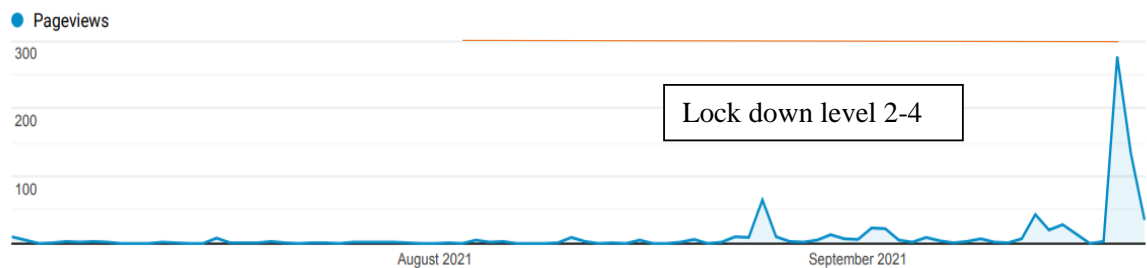
The three mask layers recommended by the World Health Organisation (WHO) are:

1. The layer against your face should easily absorb droplets from exhaled breath. For example, a woven or knit cotton fabric. You may want to choose a light colour so you can tell when it is soiled or wet.
2. The middle layer acts as a filter, and should be made of fabric that repels droplets and moisture, such as polypropylene.
3. The outer layer should also repel droplets and moisture. Suitable fabrics include synthetic or polyester mixes.



The Stuff article link to the Zero Waste Taranaki website on reusable masks increased views to our Blog as indicated by the spike below sourced from analytics. The NPDC behaviour change team and NPDC comms are working together on ways to increase traffic to our website. The traffic increases relate to campaigns that have included a Facebook post with a blog link for the public to seek further information.

- Reusable face masks blog: 413 page views ( stuff article and Facebook post)
- Start a compost level 4: 41 page views
- Growing seeds level 4: 26 page views
- Reduce food waste at level 4: 22 page views



Zero waste Taranaki website analytics August- September

**Love Food Hate Waste (LFHW) \*NPDC\* \*STDC\* \*SDC\***

This regional campaign for LFHW was promoted through social media and our [Zero Waste Taranaki Website](#). The campaign came out during lock down so there were limited channels for promotion. The theme this year was 'value your food'. We had 13 likes on the Facebook page and the link provided increased traffic to our Zero waste website to 36 views.



**Love Food Hate Waste - Value Your Food**  
Resource Recovery Team/District Councils  
20/9/2021

**He pāheca nei te wāriu o te ārahi?**  
 • 63 rita wai māori  
 • 2100 haora hihiri  
 • 365 rā mahi  
 te kawekawa mā runga waka

**HOW MUCH IS AN ORANGE WORTH?**  
 • 63 litres water  
 • 2100 sunshine hours  
 • 365 days labour  
 transport

**Bread is the sum of many parts**  
 SUN LABOUR WHEAT ENERGY  
 WATER TRANSPORT  
 Make every slice count

Visit [lovefoodeatwaste.co.nz](http://lovefoodeatwaste.co.nz) for tips on reducing food waste.

New Plymouth District Council  
3 October at 18:30  
We Kiwis tend to waste a lot of food – on average, each household throws out about three shopping trolleys of food every year. But we can value our food more with easy tips to cut down food waste and save money! Check out the tips here:  
<https://www.zerowastetaranaki.org.nz/.../love-food-hate-wast.../>

***Foodscraps re-engagement Campaign NPDC – post level 4 lockdown NPDC\****

This NPDC specific campaign was in response to the suspended collection of food scraps during lockdown level 4 to encourage residents back into the habit of using their food scraps bin instead of putting food scraps to landfill.

Campaign consisted of:

- Two newsprint ads, one in the TDN and one in the Midweek early September – see ad below.
- A two slide gif featuring the same messaging as the print ad, posted to NPDC venues bright signs and local gym screens for the month of September.



**Make Your Recycling Great campaign – Post Level 4 lockdown** NPDC\* \*STDC\*  
\*SDC\*

This regional campaign was undertaken in August of this year to try to reduce contamination post covid-19 level 4 lockdown. Level 4 service changes to kerbside services meant that all mixed recycling collected had to be sent to landfill as the Material Recovery Facility was not able to safely sort recycling from the kerbside co-mingle recycling bins. Based on experiences following the previous national lockdown, the risk was that residents would become complacent and slip in their correct recycling habits. Therefore this campaign was to remind residents of the simple methods they could follow to ensure everything they place in their recycle bin could be recycled. Blogs were posted on the Zero Waste website and linked to the digital home page take over.

The campaign consisted of:

- Taranaki Daily News digital homepage takeover for four days – Saturday and Sunday 4-5 September and Tuesday and Wednesday 7-8 September.



The click through panels took readers to the Zero Waste Taranaki website <https://www.zerowastetaranaki.org.nz/make-your-recycling-great/> with more specific information on recycling correctly.

How to Reduce Waste   A-Z Zero Waste Directory   What's Happening   **Make Your Recycling Great**

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**Make Your Recycling Great**

We're back to normal with our kerbside recycling collections in Taranaki!

**Yellow recycling bins**

- Rinse all containers and bottles – dirty ones can't be recycled.
- Put only cardboard, flat paper, tin and aluminium cans, and plastic containers 1, 2 and 5 (check the triangle) in the recycling bin.
- Remove lids and place lids in the red landfill bin.
- Remember: landfill waste – including soft plastics, polystyrene, takeaway cups and lids, cartons and nappies – go in the red landfill bin.
- Green waste, including grass clippings and branches, does not go in the yellow recycling or red landfill bin

*Non-recyclable items in our recycling bins can contaminate an entire truck-load. To make sure that loads can still be recycled, our bin auditor and drivers will be spot-checking bins.*

*Please make sure all glass is placed in the blue glass crate.*

- Radio advertising campaign consisting of a 30 second ad run for two weeks via various NZME and MediaWorks channels. A simple script was developed in conjunction with the NPDC marketing and communications advisor.

*V1: Hey Taranaki, we're back to normal with kerbside recycling!*

*V2: So let's make our recycling great!*

*V1: Be careful what you put into your yellow recycling bin. No rubbish like nappies, plastic bags or wrap, or takeaway coffee cups.*

*V2: All of that goes in the red landfill bin.*

*V1: But do recycle plastics with a 1, 2 or 5 in the triangle, as well as paper, cardboard and cans.*

*V2: And if you're not sure you've got it right, just check your council's website.*

*V1: Thank you for recycling right!*

### Composting Hub on Zero Waste website **NPDC\*** **\*STDC\*** **\*SDC\***

The councils have been developing a [composting hub](#) on the Zero Waste Taranaki website and a regional composting brochure that is downloadable for anyone interested in reducing food waste at home and starting their own compost. The handy guide has been kindly put together by STDC in collaboration with waste officers. The website contains lots of information and resources with step by step instructions.



### *Zero waste education update* \*NPDC\*

New Plymouth District Council has been able to continue Zero Waste Education in schools in Level 2, with the Waste Minimisation Officer (Education) visiting three New Plymouth primary schools to educate students on waste reduction through reuse, recycling and composting. The programme has units available for pre-school to Year 8 students and engages children in interactive lessons, such as sorting household waste into recyclables and investigating reuse options through creative play and art. Children's knowledge of composting is developed by building their own mini worm-farms, providing them with the skills and knowledge to recreate a larger composting system at their homes. The school visits also provide opportunity for waste minimisation at a school level through waste audits and assessments, developing recommendations and waste minimisation goals for the school to work towards.

In line with NPDC's vision of Building a Sustainable Lifestyle Capital, a request for proposals for the management of staff/volunteers at Zero Waste Events has been developed and is currently being advertised. The successful organisation will be contracted to supervise and resource a team of staff or volunteers who supervise the bin stations at NPDC organised events, ensuring recycling, organic waste and landfill waste is appropriately disposed of and thus diverting waste from landfill through recycling and the composting of organic materials. In addition to this, NPDC are currently recruiting for an Event Sustainability Officer to work with event organisers using Council venues to consider options which sit higher in the waste hierarchy such as reducing waste through avoidance or opting for reusable items at events.



### *Kate Meads Menstrual Cups in schools and Online workshops* \*NPDC\* \*STDC\* \*SDC\*

Unfortunately our Regional Menstrual Cup workshops had to be postponed until March 2022 due to Covid lockdown Level 4. So far we have had 16 people take part in the Foodlovers Masterclass, and 19 take part in the Waste Free Parenting workshop programs online. A full report will be completed shortly with participation feedback.

### *Reusable face masks* \*SDC\*

SDC's waste levy funded the purchase of reusable face masks with Zero Waste Taranaki logo on them for use to discourage using single use masks. These will be used in prize packs and reception and assets staff have one each for use.



### *Stratford District Council waste Minimisation activities* \*SDC\*

In October, the SDC Administration Building staff have created a worm farm in the internal courtyard off the tea room. The food scraps from the tea room are used to feed the worms resulting in reduced waste to landfill from our Council. The worm tea and castings will be used on our courtyard garden and excess taken by staff to use on their gardens at home. This is a great initiative and will create great staff involvement in looking after the worms

SDC's Waste Minimisation Officer has joined the Climate Change Group to review the Climate Change and Variability Project Plan for the Taranaki Region. This project is a collaboration between all councils in the Taranaki Region and will use NIWA and its data to report on the changes which may occur over the coming century and outlines some possible impacts of the changes and mitigation strategy's if possible.

Review of SDC's Waste Management and Minimisation Plan targets is underway and a report will be provided to SDC Council in November 2021.



### **Bin latch roll out** \*STDC\*

STDC has recently secured a large order of kerbside bin latches. Bin latches keep the lids of kerbside rubbish + recycle bins closed when they are blown over in high winds. The latches are designed to release when the bins are dumped into a collection truck. The latches STDC has purchased are from the same supplier used by NPDC (Safewaste).

Beginning in late October STDC will be offering two free bin latches per household with kerbside collection. Residents will be able to collect their latches from any LibraryPlus site or the Hāwera Main Administration Building. Installation is simple and takes approximately 30 seconds per latch.



### **Organic waste facility feasibility study** \*NPDC\* \*STDC\* \*SDC\*

The three Taranaki District Councils (STDC, NPDC, and SDC) are co-funding a feasibility study into how they might collectively build, operate and/or manage an organic waste processing facility, which could potentially process domestic, commercial and industrial organic waste streams from across the region. All three Councils are developing a co-design approach for engaging with iwi and hapū on this topic. Iwi and hapū engagement and co-design will be a critical component of the feasibility study.

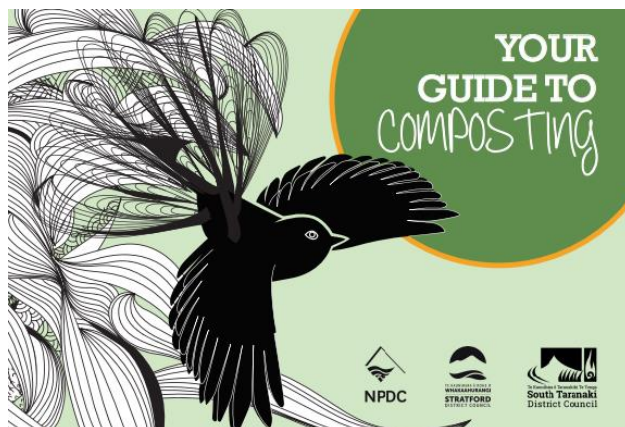
This feasibility study is being carried out in collaboration with Tonkin & Taylor and will take a scenario-based approach to how we can best address the above problem. It will also cover a range of ownership and operating options, processing technologies, and scale factors, as well as expected sales opportunities and key price points for the end products produced.

STDC is the lead coordinating Council on this project. A preferred location for a future facility is the South Taranaki District, although a specific site has not been decided upon.

### **Composting guide** \*STDC\*

To promote home composting across the region, STDC has revised its home composting guide to be a regional guide. This [downloadable brochure](#) provides step by step instructions for setting up a home compost system and troubleshooting tips.

Efforts to promote and distribute this guide are underway by the three Councils.



***STDC Main Admin Building, waste station upgrade*** \*STDC\*

The waste minimisation station in the staff kitchen of STDC's Main Administration Building has been upgraded. These new bins are colour coded with clear signage. The goal of this upgrade is to reduce contamination in one of STDC's largest internal waste streams.



Contributions from

Louise Campbell, *ASSET MANAGEMENT COORDINATOR* \*SDC\*

Brittany Rymer, *ENVIRONMENT AND SUSTAINABILITY OFFICER* \*STDC\*

Janine Clow, *RESOURCE RECOVERY CUSTOMER LIASON OFFICER* \*NPDC\*

Claire OAG, *WASTE MINIMISTION OFFICER (EDUCATION)* \*NPDC\*

Prepared by

Miss Jessica Dearden

*REGIONAL WASTE MINIMISATION OFFICER*



**Date:** 4 November 2021

**Subject:** **Waste Management and Minimisation Plan Regional Annual KPI Summary**

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

**Document:** 2899383

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### **Purpose**

1. The purpose of this memorandum is to provide a summary of NPDC, SDC and STDC's progress towards the five-year targets outlined in the Waste Management and Minimisation Plans, for the information of the Committee.

### **Recommendations**

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum and notes the progress towards meeting selected KPIs for the councils' Waste Management and Minimisation Plans.

### **Discussion**

2. The Waste Management and Minimisation Plan Regional Annual KPI Summary is attached.

### **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 2899386: Waste Management and Minimisation Plan Regional Annual KPI Summary



Date: 20 October 2021

To: Taranaki Solid Waste Management Committee

**SUBJECT: WASTE MANAGEMENT AND MINIMISATION PLAN REGIONAL ANNUAL KPI SUMMARY 2020/2021**

### Background

The three district councils adopted new Waste Management and Minimisation Plans (WMMP) in 2017 (NPDC) and 2018 (SDC and STDC). Three years of data has been collected since the plans were adopted.

The purpose of this memo is to briefly review the annual data and establish how each district is tracking towards its five year targets outlined in the WMMPs. Previous data used to develop the WMMPs will provide a comparison and help us measure progress toward targets.

### Key Performance Indicators

Each district's WMMP outlines their key targets that will be used to monitor progress over the six year term of these plans and also towards the longer term aspirational goal of Zero Waste. The targets for each Council are provided in Appendix 1.

As required in the WMMP action plans, Key Performance Indicators have been aligned with the National Waste Data Framework where relevant (as indicated by a \*).

A selection of KPIs that show overall waste minimisation progress where this is measured on an annual basis are presented below.

KPI/Target	NPDC	SDC	STDC
1 Reduce the total waste volume per capita that goes to landfill	10% by 2023	0.71t/hh/year	5% by 2023 (from district)
2 Reduce the total waste volume per household going to landfill from the Council kerbside collection	25% by 2023	0.46T/hh/year	5% by 2023
3 Increase the volume of household waste diverted to recycling by 1% per year (Council kerbside service only)	Increase by 1% per year	Increase to 29% by 2023	Increase by 1% per year
4 Reduce contamination of Council kerbside recycling to 8% or less	≤8%	≤8%	≤8%



1. Total volume of waste per capita

Table 1 shows the amount of waste disposed per person in 2020/21 compared to the previous four years and baseline data for 2012/13 and 2015/16.

At a regional level, initiatives implemented to date in the waste plans have had an effect in reducing the amount of waste disposed per person. However, within each district, an increase in waste disposed per person occurred over the last two years in South Taranaki whereas Stratford and New Plymouth disposal rates continued to reduce in 2020/2021.

Figure 1 shows the decrease in total tonnage disposed to Colson Road Landfill in recent years and since 2019, from Council facilities to Bonny Glen landfill. This decrease is in part due to the initiatives implemented in WMMPs but also because some waste is being disposed of via private commercial operators directly to landfill rather than via council facilities.

Table 1 Tonnes of waste disposed to landfill per capita in the three districts in Taranaki

TLA	2012-2013	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
NPDC	0.700	0.560	0.445	0.401	0.384	0.319	0.291
SDC	0.256	0.230	0.183	0.181	0.178	0.194	0.176
STDC	0.360	0.320	0.279	0.246	0.289**	0.374**	0.417**
TOTAL	0.582	0.469	0.385	0.348	0.345	0.322	0.311

\*\* Increase in waste to landfill for STDC as Hawera transfer station is accepting more waste from commercial waste service providers due to a change in landfill and commercial waste collection no longer being part of kerbside collection.

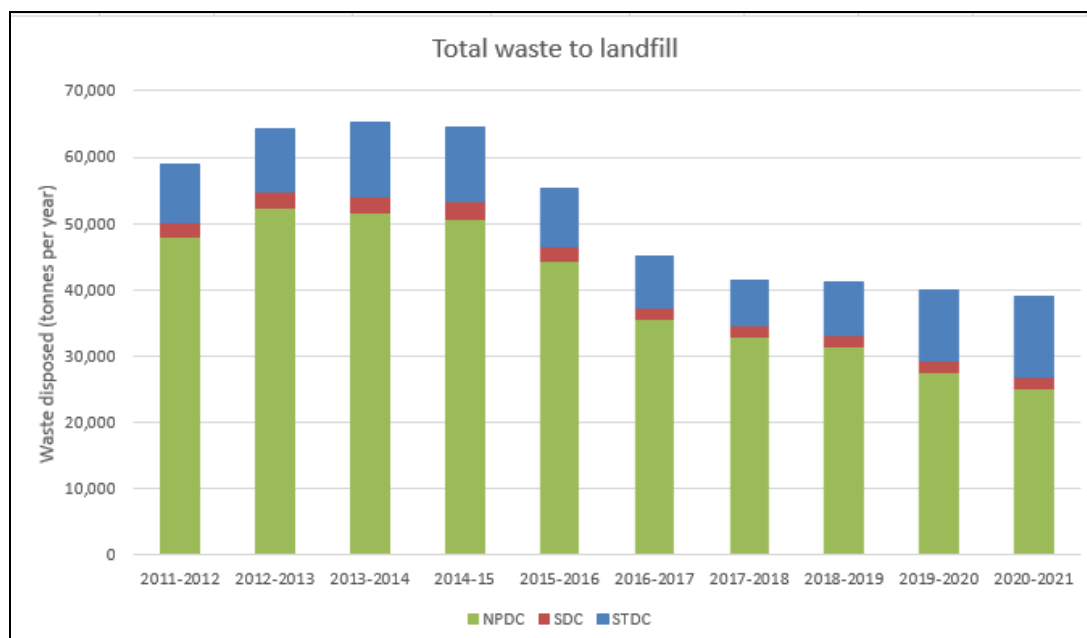


Figure 1 Total annual waste disposed to landfill since 2011/12



2. Total volume of waste per household from kerbside collection

This KPI is also an indicator for the National Waste Data Framework.

Figure 2 shows the waste per household disposed to landfill from each of the three councils' kerbside collections.

Stratford continues to have the highest disposal rates per household but has shown a slight decrease in landfill waste in 2020/21 compared to last year. Over the last five years Stratford household waste disposal has remained static. South Taranaki District Council has also remained stable over time with a slight drop in 2020/21 in comparison to last year. New Plymouth showed a significant drop in waste per household with the new kerbside recycling system (2015) but has increased slightly, peaking in 2018 before dropping again in the last two years, following the food scraps collection introduced in October 2019. Waste disposal in 2019/20 for all three councils has been affected by the Covid-19 lockdowns when recycling, glass and food scraps were either not collected or landfilled for several weeks, however all three Councils have shown a decrease in the amount of waste per household this year.

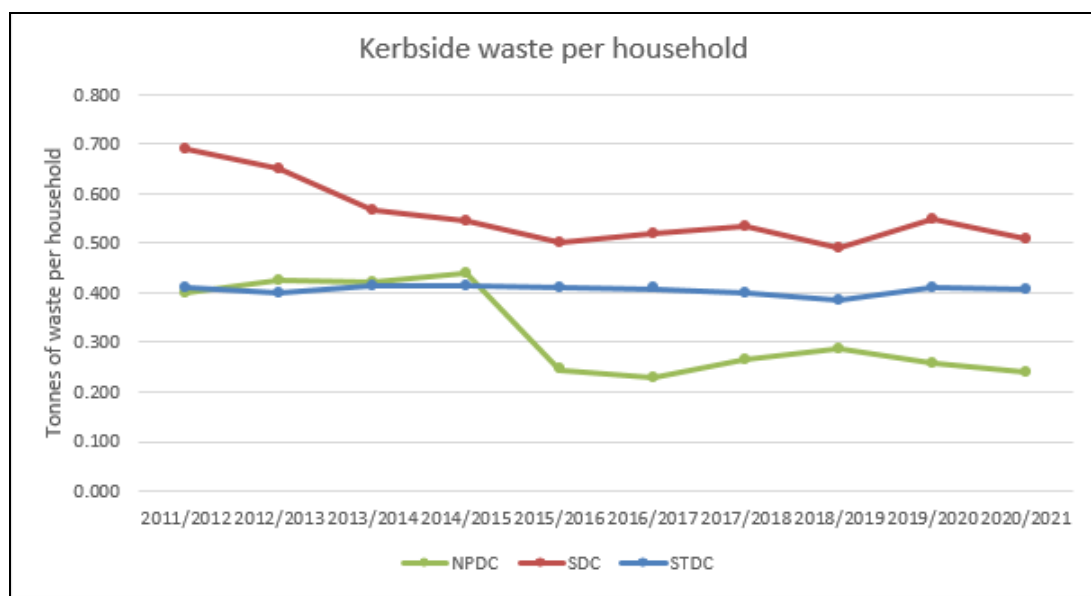


Figure 2 Amount of waste per household collected from Council kerbside collections

3. Volume of household waste diverted to recycling

Figure 3 shows the portion of kerbside waste that is collected for recycling for each council.

The introduction of the new kerbside recycling in 2015 is evident with an increase in the portion of waste recycled, particularly in New Plymouth and Stratford in Figure 3. New Plymouth's recycling as a percentage of total waste collected has been decreasing over the last five years but has remained similar over the last two years. Stratford's recycling rate is 20% which is under the target of 29% of kerbside waste being recycled by 2023, however there has been an improvement in the volume of household waste being diverted to recycling in 2020/21 compared to the previous year. South Taranaki has shown a decrease



in the percentage of waste recycled over the last two years after a peak in 2018/19 (note an error in STDC’s 2019/20 recycling data was found and corrected, differing from what has previously been reported for STDC in last year’s KPI report).

Since 2015, New Plymouth residents have consistently recycled a higher percentage of their household waste compared to Stratford and South Taranaki.

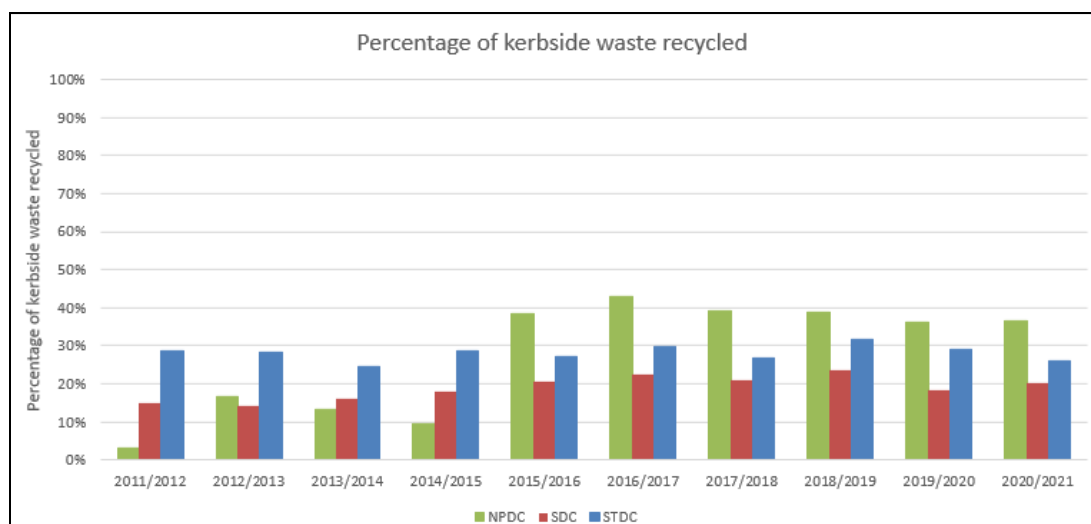


Figure 3 Portion of kerbside waste that is recycled annually

The percentage increase in recycling year on year is a target in council WMMPs. Table 2 shows the year on year percentage increase for each council since 2012/13. In the last year there has been an increase in recycling compared to 2020/21 for New Plymouth and Stratford, with the previous 2019/20 year likely due to the impact of Covid-19 on recycling collections, while South Taranaki had a significant decrease in the last two years.

Table 2 Percentage increase in recycling compared to previous year

Year	NPDC	SDC	STDC
2012/2013	81%	-5%	-2%
2013/2014	-25%	11%	-14%
2014/2015	-39%	12%	13%
2015/2016	75%	13%	-5%
2016/2017	10%	8%	8%
2017/2018	-10%	-7%	-11%
2018/2019	-1%	11%	16%
2019/2020	-8%	-29%	-9%
2020/2021	1%	9%	-12%

Figure 4 shows the total volume of recycling per year for both kerbside and transfer stations combined. Stratford district shows a consistent level of recycling across their services with a slight decreasing trend in recycling volume. New Plymouth has increased recycling since the implementation of the new recycling service in 2015, dropping slightly in the last two years.



South Taranaki district has had steady recycling volumes, with slightly more recycling over the last two year.

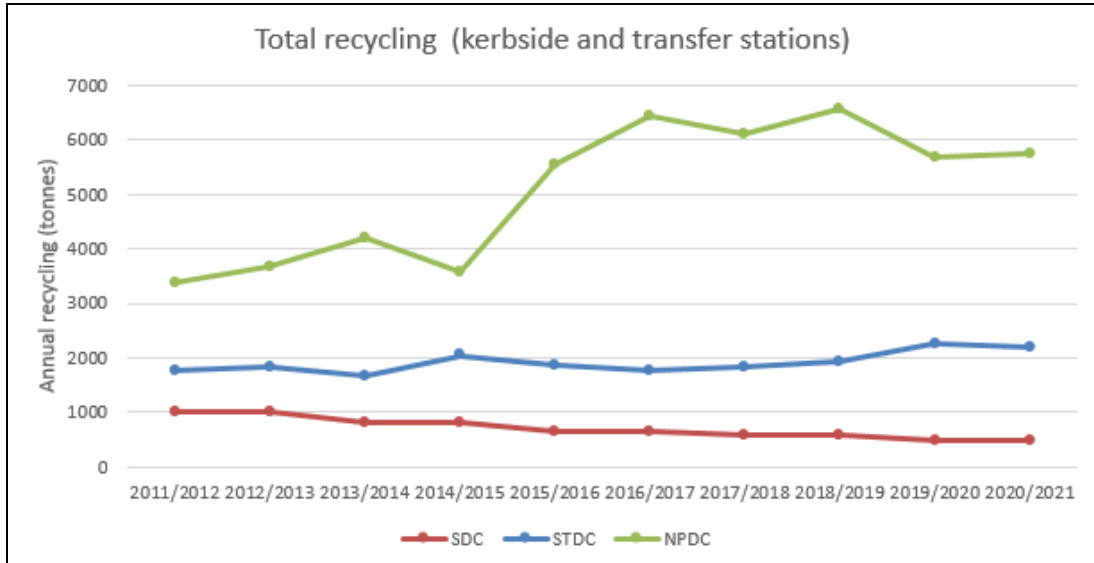


Figure 4 Total recycling from council services (kerbside and transfer stations)

When the recycling is compared on a per household basis, the three councils have similar rates of recycling at kerbside with a slight decreasing trend in the last two years (Figure 5). This KPI is also an indicator within the National Waste Data Framework.

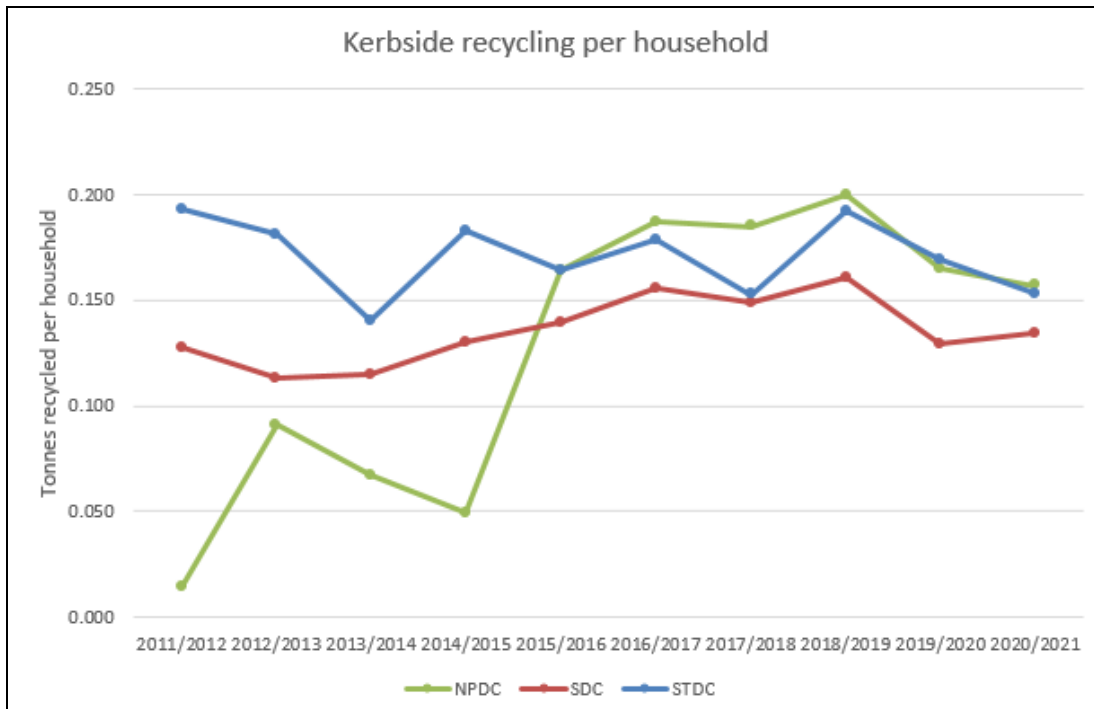


Figure 5 Kerbside recycling per household for each district since 2011/12



4. Percentage contamination of recyclables

The percentage of non-recyclable items collected as part of the Council recycling services (both kerbside and transfer stations) has shown a steady increase over time, with a peak in 2019/20 as a result of kerbside collection changes during covid lockdown and higher contamination post the lockdown. While contamination has since reduced, it has not returned to pre-covid levels, despite increased education and monitoring effort across the region (Figure 6). The target of 8% or less has not yet been achieved since the service began in October 2015. Contamination is also an issue with a number of other councils in New Zealand (i.e. Christchurch is experiencing similar levels to Taranaki).

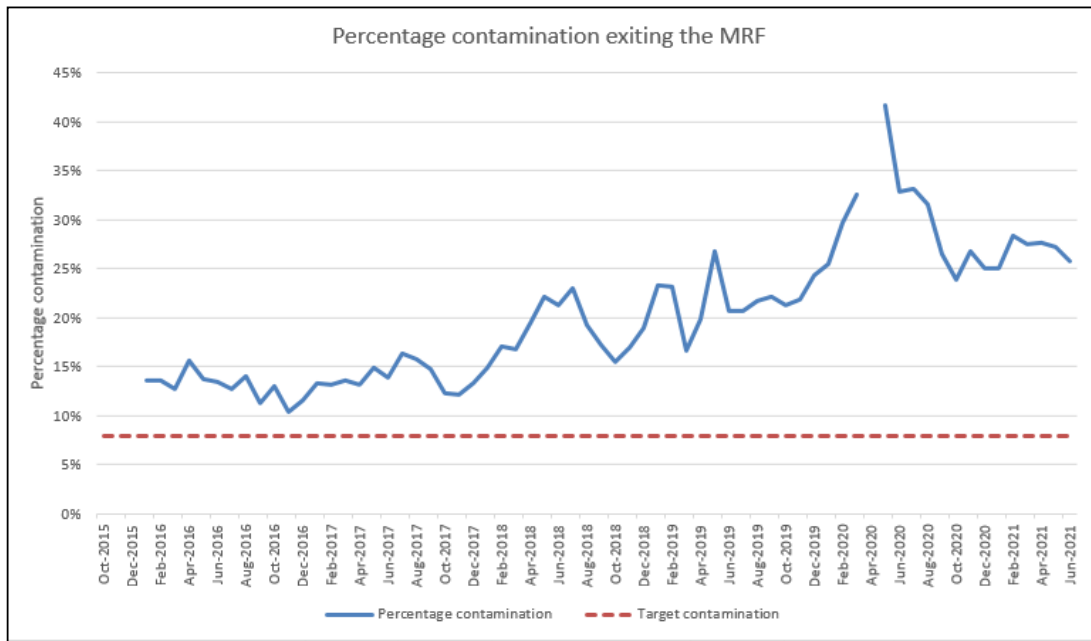


Figure 6 Percentage contamination of mixed recyclables at the Material Recovery Facility since 2015



## Conclusion

A summary of the three district council’s performance against WMMP KPIs is provided in Table 3. WMMP KPI targets are attached for reference in Appendix 1. Stratford and New Plymouth districts are tracking towards target reduction in total waste volume per capita to landfill but South Taranaki District Council is not meeting their KPI for reducing total waste volume per capita. However for kerbside collections, STDC are meeting the KPI per household reduction, indicating that the disposal of more commercial waste at the transfer station since the landfill has changed to an out of region landfill may be impacting on waste reduction targets. New Plymouth district is meeting the KPI for the council kerbside collection for both reducing landfill waste per household and increasing recycling rates. This is likely to be a result of the introduction of the food scraps collection in 2019 and ongoing education campaigns with residents. While Stratford district has achieved the KPI for recycling this year, landfill waste collected per household is higher than the target of 0.46T/hh/year.

Waste Management and Minimisation Plan actions proposed over the next three to four years are intended to result in some improvement in the above KPIs and movement towards the targets proposed. The effectiveness of these actions will be demonstrated in future reports to the committee on an annual basis.

**Table 3 Summary of 2020/21 performance against WMMP targets**

KPI/Target	NPDC	SDC	STDC
Reduce the total waste volume per capita that goes to landfill	✓ - 48%	✓ 0.68T/hh/year (KPI not per capita)	✗ 30%
Reduce the total waste volume per household going to landfill from the council kerbside collection	✓ -6%	✗ 0.51T/hh/year	✓ -1%
Increase the volume of household waste diverted to recycling by 1% per year (Council kerbside service only)	✓ 1%	✓ 9%	✗ -12%
Reduce contamination of Council kerbside recycling to 8% or less	✗ 27% av for 2020/21	✗ 27% av for 2020/21	✗ 27% av for 2020/21

✓ = on track or achieved in 2020/21; ✗ = not achieved in 2020/21

PREPARED BY

Jessica Dearden  
REGIONAL WASTE MINIMISATION OFFICER





## Appendix 1 WMMP Targets for each council

### New Plymouth District Council WMMP Targets

TARGETS	2015/16 BASELINE DATA	REF #
<b>Waste to landfill</b>		
Reduce the total waste volume per capita going to the regional landfill by 10% by 2023.	0.56 tonnes/capita/annum (NPDC)	L1
Reduce the total waste volume per household going to landfill from the Council kerbside collection by 25% by 2023.	0.26 tonnes/household/year (7,132 tonnes; 27,536 households)	L2
Any increase in waste volumes to landfill to remain below any increase in regional economic performance.	Total waste to landfill: 54,801 tonnes Taranaki \$75,941 GDP per capita <sup>5</sup> National \$52,953 GDP per capita <sup>6</sup>	L3
<b>Diversion of waste</b>		
Increase the amount of household waste diverted to recycling by 1% per year (Council provided kerbside collection only).	Waste: 7,131 Recycling: 4,918 Proportion: 41%	D1
Reduce contamination of Council provided kerbside recycling delivered to the Material Recovery Facility to 8% or below.	8% (NPDC) 12% (Region)	D2
<b>Organic waste</b>		
Reduce the amount of organic waste to landfill by 30% by 2023.	9,984 tonnes/annum	O1
Reduce the amount of organic waste in the Council provided kerbside rubbish collection by 50% by 2023.	4,510 tonnes/annum (3.4 kg per household per week)	O2
<b>Customer satisfaction</b>		
Percentage of community satisfied with the solid waste service exceeds 81% (NRB Survey).	82% (excluding 'don't knows')	S1
Total number of complaints received about the Council's solid waste service remains at or below three per 1,000 households.	0.84 complaints per 1,000 households (26 complaints; 31,000 households)	S2
<b>Public health</b>		
No public health advisory notices from Taranaki District Medical Officer of Health in relation to the Council's responsibilities for solid waste under the Health Act 1956.	Zero	H1
95% of the population has access to a waste disposal service – either via a kerbside collection or live within 20 minutes' drive of a transfer station.	98%	H2
<b>Environmental, health and safety compliance</b>		
No abatement notices received for the landfill.	1	C1
No infringement notices received for the landfill.	1	C2
No enforcement notices received for the landfill.	0	C3
No convictions received for the landfill.	0	C4
No convictions under the Health and Safety at Work Act 2015.	0	C5
<b>Community engagement</b>		
Number of education tours to the Resource Recovery Facility will exceed 52 per year.	56 tours in 2016	E1
Waste community engagement survey completed every two years.	N/A	E2

<sup>5</sup> Stats NZ Regional Gross Domestic Product Year ended March 2015- tables.

<sup>6</sup> Stats NZ Regional Gross Domestic Product Year ended March 2015- tables.



Stratford District Council WMMP Targets

Target Reference	Performance Measure	Baseline data (2015/16)	2023 Target
<b>WASTE TO LANDFILL</b>			
<b>T1</b>	Any increase in Regional Waste (RW) volumes to Landfill to remain below any increase in Regional Economic Performance (REP).	<ul style="list-style-type: none"> <li>Total Regional waste to Landfill: 54,000 T</li> <li>Taranaki Regional GDP per capita is \$75,941;</li> <li>National GDP per capita is \$52,953.</li> </ul>	Changes in RW < Changes in REP
<b>T2</b>	Reduce the volume of the Kerbside collection waste per household in the district going to Landfill	<b>0.51 T/household/year</b> (1261/2450)	<b>0.46 T/ household/year</b>
<b>T3</b>	Reduce the total waste volume in the district going to Landfill per household.	<b>0.77 T/household/year</b> (1886/2450)	<b>0.71 T/ household/year</b>
<b>DIVERSION OF WASTE - RECYCLING</b>			
<b>T4</b>	Increase the amount of Kerbside collection waste diverted to recycling in the district.	<b>24 % (K/R)</b> , comprising: <ul style="list-style-type: none"> <li>Kerbside waste plus recycling (K) = 1689 T</li> <li>Recycling (R) = 406 T</li> </ul>	<b>Increase to 29 %</b>
<b>T5</b>	Reduce contamination of Kerbside recycling delivered to the MRF.	<b>12%</b>	<b>Reduce to ≤ 8 %</b>
<b>DIVERSION OF WASTE - ORGANIC WASTE</b>			
<b>T6</b>	Reduce the amount of organic waste in the district Kerbside collection.	<b>37 %</b>	<b>Reduce to 32%; OR Reduce to 27 % (If SDC introduces Organic Waste Collection in 2021)</b>
<b>CUSTOMER SATISFACTION</b>			
<b>T7</b>	Percentage of community satisfied with the solid waste service.	<b>96.7 %</b> (including neutrals and excluding 'don't knows')	<b>≥ 90%.</b>
<b>PUBLIC AND ENVIRONMENTAL HEALTH</b>			
<b>T8</b>	Percentage of population in the district with access to a waste disposal service – either via a Kerbside collection or live within a 30-minute drive of a transfer station.	<b>85 %</b>	<b>90 % (If SDC introduces a Recycling Service in Whangamomona in 2021) 85 % (Otherwise)</b>
<b>T9</b>	Provide a district facility which receives non-industrial /domestic quantities of hazardous waste for appropriate disposal.	<b>1 facility</b>	<b>1 facility</b>
<b>T10</b>	Compliance with resource consent conditions for Council-operated solid waste district facilities.	<b>100 % compliance</b>	<b>100 % compliance</b>
<b>COMMUNITY ENGAGEMENT</b>			
<b>T11</b>	Regional Education Campaign on Waste Management and Minimisation.	<b>1 annually</b>	<b>1 annually</b>
<b>T12</b>	Waste Community Engagement Survey	<b>0</b>	<b>1 biennially</b>
<b>T13</b>	Regional Waste Minimisation Officer	<b>1 (shared resource)</b>	<b>1 (shared resource)</b>



### South Taranaki District Council WMMP Targets

COUNCIL TARGETS		2015/16 BASELINE DATA
<b>WASTE TO LANDFILL</b>		
<b>T1</b>	Any increase in waste volumes to landfill to remain below any increase in regional economic performance. (Not to exceed current ratio – 711 kg/\$)	Total waste to landfill: 54,000 tonnes Taranaki \$75,941 GDP per capita <sup>2</sup> National \$52,953 GDP per capita <sup>3</sup>
<b>T2</b>	Reduce the total waste volume from STDC going to landfill by 5% by 2023, measured on a per capita basis. (0.30 tonnes/capita/annum by 2023)	STDC 0.32 tonnes/capita/annum
<b>T3</b>	Reduce the total waste volume per household going to landfill from Council kerbside collection by 5% by 2023. (0.35 tonnes/household/year)	0.37 tonnes/household/year (3,187 tonnes; 8,542 households)
<b>DIVERSION OF WASTE - RECYCLING</b>		
<b>T4</b>	Increase the amount of household waste diverted to recycling by 1% per year (Council provided kerbside collection only).	Waste: 3,366 Recycling: 1,488 Proportion: 44%
<b>T5</b>	Reduce contamination of Council provided kerbside recycling delivered to the MRF to 8% or below.	12%
<b>DIVERSION OF WASTE - ORGANIC WASTE</b>		
<b>T6</b>	Reduce the amount of organic waste to landfill by 10% by 2023. (Total: 3,111 tonnes per annum by 2023)	Kerbside general waste to Landfill– 3,187 tonnes/annum x 62% organics Transfer station general waste to Landfill – 5,106 tonnes/annum x 29% organics Total: 3,457 tonnes per annum
<b>CUSTOMER SATISFACTION</b>		
<b>T7</b>	Percentage of community satisfied with the kerbside collection service exceeds 90%.	90% (including neutrals and excluding ‘don’t knows’)
<b>T8</b>	Total number of complaints received about the Council’s solid waste service due to missed collections, bin damage and replacement, overturned bin, driver behaviour, transfer station issues remains below 100 per 1,000 rated collections.	New measure
<b>PUBLIC AND ENVIRONMENTAL HEALTH</b>		
<b>T9</b>	95% of the population has access to a waste disposal service – either via a kerbside collection or living within 20 minutes’ drive of a transfer station	97%
<b>T10</b>	Continue to provide at least one facility which receives non-industrial/ domestic quantities of hazardous waste for appropriate disposal.	1
<b>T11</b>	Council-operated solid waste facilities achieve 100% compliance with resource consent conditions.	0 abatement notices received.
<b>COMMUNITY ENGAGEMENT</b>		
<b>T12</b>	One annual education campaign on waste management and minimisation.	1
<b>T13</b>	One waste community engagement survey completed every two years.	N/A
<b>T14</b>	One regional waste minimisation officer	1
<b>T15</b>	One bi-annual waste audit for the Council main office building	0
<b>T16</b>	Number of reported illegal dumping events in the District decreases by 2023. (30 reported illegal dumping events by 2023).	34

<sup>2</sup> Stats NZ Regional Gross Domestic Product Year ended March 2015 - tables.  
<sup>3</sup> Stats NZ Regional Gross Domestic Product Year ended March 2015 - tables.



**Date** 4 November 2021

**Subject:** **Ministry for the Environment Consultation – Waste Strategy, Waste Legislation and the Emissions Reduction Plan**

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

**Document:** 2899434

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### **Purpose**

1. The purpose of this memorandum is to introduce and summarise a number of recent proposals from MfE relating to the waste and resource sector.

### **Recommendations**

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum entitled Ministry for the Environment consultation (MfE) - Waste Strategy, Waste Legislation and the Emissions Reduction Plan.

### **Discussion**

2. The report is attached.

### **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 2899431: Ministry for the Environment Consultation – Waste Strategy, Waste Legislation and the Emissions Reduction Plan



NPDC Reference: 8646719

Date: 20 October 2021

To: **Taranaki Solid Waste Management Committee**

**SUBJECT:** MINISTRY FOR THE ENVIRONMENT CONSULTATION – WASTE STRATEGY, WASTE LEGISLATION AND THE EMISSIONS REDUCTION PLAN

## 1 Purpose

The Ministry for the Environment (MfE) is currently consulting on a number of proposals relating to the waste and resource recovery sector:

Consultation		Due date for submissions
<a href="#">Te kawe i te haepapa para Taking responsibility for our waste</a>	Proposals for a new national waste strategy	26 November 2021
	Issues and options for developing new, more comprehensive waste legislation	
<a href="#">Te hau mārohi ki anamata Transitioning to a low-emissions and climate-resilient future</a>	Emissions Reduction Plan	24 November 2021

The consultation documents were released on 13 and 15 October 2021 and there has not been time to assess the proposals and compile any initial points.

This memo provides a summary of the proposals and highlights particular points for discussion. Further detail is provided in the relevant consultation documents.

A regional submission is proposed to feedback on the Waste Strategy and Waste Legislation proposal. A draft will be circulated to committee members for review and approval. Feedback on the waste matters in the emissions reduction plan will be through individual council submissions as part of the wider scope of this consultation.

## 2 Te kawe i te haepapa para - Taking responsibility for our waste

The way we're creating and managing waste in Aotearoa isn't sustainable. Resources are often not valued enough nor used as efficiently as possible, and who is responsible for managing negative environmental impacts related to waste is often unclear. Our linear, 'take-make-dispose' system, which relies heavily on extracting virgin materials, promotes continuous consumption and replacement over keeping products and materials in use.

These challenges are not unique to Aotearoa. Globally, a shift towards a circular economy is gaining momentum and aligns with global initiatives to achieve the [Sustainable Development Goals](#). Within Aotearoa, there have also been calls to move towards a circular

economy, including through the advice from the Climate Change Commission and the proposed Emissions Reduction Plan (also summarised in this report).

A circular economy is about more than how we manage waste. It's a whole-of-economy shift in the way we value and use resources. Progressing towards a circular economy therefore requires change across all aspects of the economy.

While there are tools in place to work towards a circular economy, we are not performing well:

- Emissions from waste currently make up 9 per cent of Aotearoa New Zealand's biogenic methane emissions and 4 per cent of the country's total greenhouse gas emissions
- Aotearoa is among the highest generators of waste per capita in the developed world
- Currently our domestic resource recovery and waste infrastructure system is limited in the types of materials we can recover, as well as the volume of materials we are able to process onshore.
- We put insufficient effort into finding opportunities to add value by turning one producer's unwanted by-product into the raw material for another.
- Lack of high-quality data presents large gaps in our knowledge of what makes up our waste, where it goes and how we dispose of it.
- Historically, poor land and waste management practices in dealing with chemicals and hazardous waste have led to a large number of contaminated land sites across Aotearoa, which has negatively impacted the health of our soils, waterways and groundwater systems, and posed risks to human health.

There are efforts at both a local and national levels to lift the performance of our resource recovery and waste system, and move toward a low-waste, more circular economy including through the Ministry for the Environment (MfE) [Waste reduction work programme](#).

Despite this early progress, transformational change is required.

## **2.1 Proposals for a new national waste strategy**

The New Zealand Waste Strategy was last updated in 2010. The consultation document outlines why a new strategy is required and the proposed approach which is summarised below<sup>1</sup>.

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<sup>1</sup> Sourced from a presentation by MfE to the TAO forum on 18 October 2021





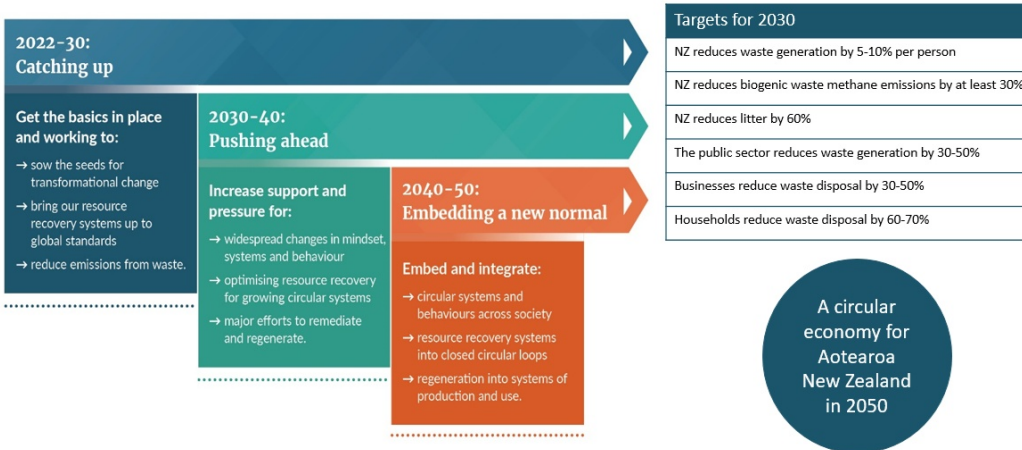
**Vision:**  
A circular economy for Aotearoa New Zealand in 2050

- We look after the planet’s resources with care and responsibility.
- We respect and understand our inseparable connection with the environment.
- A land where nothing is wasted.

**Principles:**

1. Design out waste, pollution, emissions and unnecessary use of materials
2. Keep products and materials in use at their highest value
3. Regenerate natural systems, so the environment is healthy for future generations
4. Take responsibility for the past, present and future condition of our natural environment
5. Think in systems, where everything is interconnected
6. Deliver equitable and inclusive outcomes

**Proposed course / te taka mahere**



**Stage 1: Proposed priorities and headline actions**



Now to 2030

1. Complete the foundations for transformational change	<ul style="list-style-type: none"> <li>• Strategic planning framework, data, evaluation and reporting systems all up and running</li> <li>• New legislation passed and implemented; new investment systems operating for levy funds</li> <li>• Strong collaborative relationships with partners developing</li> </ul>
2. Stimulate innovation and redesign for long term change	<ul style="list-style-type: none"> <li>• Invest in projects and programmes</li> <li>• Build network of innovators; Encourage and sponsor change</li> <li>• Create market opportunities (signal expectations, future changes) and consumer demand</li> </ul>
3. Establish long term information and education programmes	<ul style="list-style-type: none"> <li>• Create a consistent brand, style, 'voice'</li> <li>• Collaborate with others, especially established NGOs</li> <li>• Support new initiatives with linked material</li> </ul>
4. Get resource recovery and recycling systems working well	<ul style="list-style-type: none"> <li>• Simplify material streams using regulatory tools, manufacturing changes, labelling standards</li> <li>• Improve collection systems nationally; invest in equipment, infrastructure</li> <li>• Invest in regional, community, iwi initiatives</li> </ul>
5. Reduce emissions from organic waste	<ul style="list-style-type: none"> <li>• Reduce generation of food and green waste, construction and demolition waste, paper, cardboard</li> <li>• Divert more from landfill: separate collection and processing systems, research</li> <li>• Improve and extend landfill gas capture</li> </ul>
6. Understand scale of past environmental damage and approaches to remediation	<ul style="list-style-type: none"> <li>• Engage with communities and research to assess scope, scale and identify most urgent sites</li> <li>• Work with all parties to tackle the most urgent</li> <li>• Invest in research and infrastructure for better approaches to remediation</li> </ul>



Key points for discussion for Taranaki are listed below:

- The proposed vision is consistent with district Waste Management and Minimisation Plans which incorporate the circular economy approach, and outlines a clear road map on how to achieve this through to 2050.
- There is a timeline for NPDC waste reduction (2040) but not a region wide timeline. Is the proposed 2050 timeline achievable?
- The Stage 1 priorities include focus across the Waste Hierarchy. What would be the priority for Taranaki?
- More focus on behaviour change as a priority is a positive change that is also a priority within council work plans.
- Targets proposed relate to both public sector waste reduction as well as core communities (business, households) which are identified within local Waste Management and Minimisation Action Plans. Are these targets achievable locally? What would we need to implement to contribute to achieving the strategy?

## **2.2 Issues and options for developing new, more comprehensive waste legislation**

In June 2020, as part of its decision to increase the waste levy, the Government decided to review and replace the Waste Minimisation Act 2008 and the Litter Act 1979 to ensure we have the necessary tools and arrangements to support the delivery of a new waste strategy and the transformation of the waste sector.

A new Act will aim to:

- embed a long-term strategic approach across central and local government for achieving change, supported by consistent data collection, evaluation and reporting
- create the governance and administrative framework needed to support effective investment and use of waste levy funds
- put individual and collective responsibility for how we deal with unwanted material at the heart of a new regulatory framework of obligations on organisations, households and individuals, building on the duty-of-care model used in other jurisdictions
- provide new and enhanced regulatory tools and levers to support the waste strategy and emissions reductions
- create stronger accountability and reporting provisions
- update and broaden compliance, monitoring and enforcement powers
- fix miscellaneous aspects of the existing legislation.

New legislation will also update and incorporate the Litter Act, which prohibits littering and dumping in public places, and reframe how litter is thought of and managed. As MfE develop proposals and draft legislation, these will also align the new legislation with RMA reforms.

Key points for discussion are listed below:

### *Strategy, roles and responsibilities*

- New and more ambitious purpose, principles and Te Tiriti o Waitangi references

- Changes would require all tiers of government to take a long-term, coordinated view including linking the strategy to local government planning – how could this be meshed with existing LTP planning cycles – should we continue to have separate Waste Management and Minimisation Plans?
- Reporting on progress, nationally, supported by local authority reporting.
- A review of the roles and responsibilities across government including more central government involvement through national licensing and public education and information, and consideration of how local authority responsibilities could be better defined and delivered – i.e. regional planning and stronger or clearer requirements for service delivery, including scope for national standards or guidance e.g. standardising kerbside collection methodology, use of waste infrastructure strategy and action and investment plans.

#### *Regulating a new system for managing waste*

- Using the concept of a duty of care to put obligations on all those involved in producing or creating waste, as well as in its collection, storage, transport, processing, treatment and disposal.
- Introducing a national licensing system for operators, facilities and sites across the whole waste 'supply chain'.

#### *Reframing how we think about litter*

- As part of duty of care provisions
- Utilising better enforcement mechanisms
- Facilitating attitude change through behaviour change tools.

#### *Better regulation of hazardous waste*

- This could be pursued through reform of the RMA, HSNO Act or Imports and Exports (Restrictions) Act 1988 or through new waste legislation – or through some combination of these measures.

#### *Improving legislative support for product stewardship schemes*

#### *Enhancing regulatory tools and new powers to encourage change*

- Improving existing powers
- Expanding quality standards provisions and labelling powers
- Further data collecting and reporting.
- Possible new powers such as national standard, supporting improved recycling, right to return packaging and right to repair.

#### *Using the waste levy to best effect*

- Expanding the range of activities that could be subject to a waste levy, including 'non-circular' activities (not just disposal to landfill).
- Broadening how the waste levy can be used including distribution of funds in a more equitable way taking better account of roles and responsibilities of different councils.

#### *Improving compliance monitoring and enforcement*

- Nationally and locally. Any increased enforcement and monitoring would need to be resourced and funded.
- Investigation powers, offences and sanctions including information sharing, widening the range of offences and penalties (not just limited to prosecution).

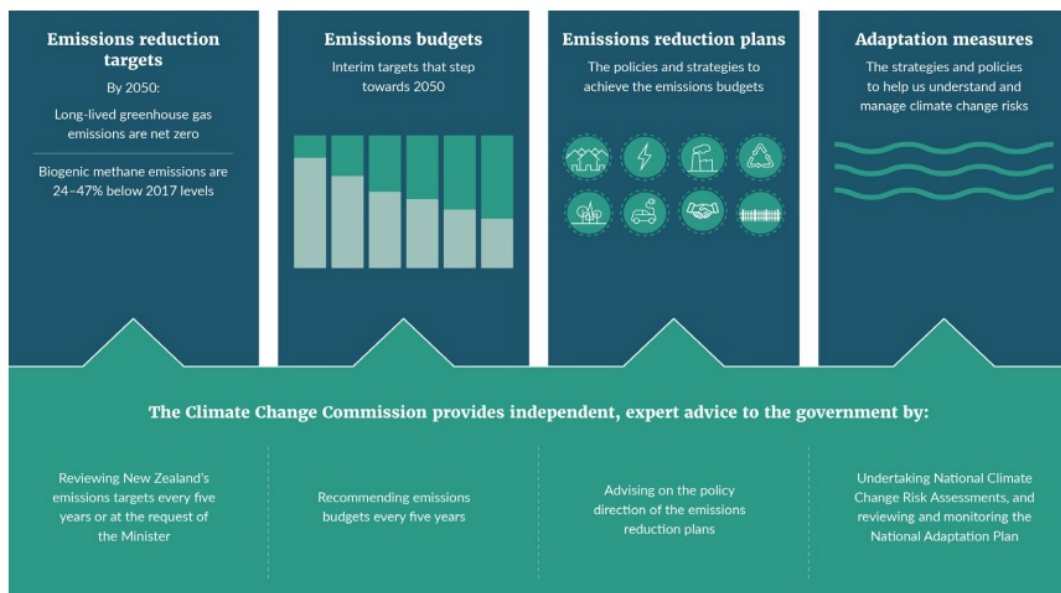
### 3 Te hau mārohi ki anamata - Transitioning to a low-emissions and climate-resilient future

Our commitment to a low emission, climate resilient future means reducing our greenhouse gas emissions to limit the global average temperature rise to 1.5°C above pre-industrial levels. These targets require:

- all greenhouse gases, other than biogenic methane, to reach net zero by 2050
- emissions of biogenic methane to reduce to at least 10 per cent below 2017 levels by 2030, and to at least 24–47 per cent below 2017 levels by 2050.

To help meet the targets and manage the impacts for all New Zealanders, the Climate Change Response Act 2002 (CCRA) also establishes a system of emissions budgets and emissions reduction plans.

**Figure 1: The Climate Change Response Act sets out tools for the transition (the Zero Carbon Framework)**



Emissions reduction plans set out the policies and strategies for achieving emissions budgets. The first emissions reduction plan will set the direction for climate action for the next 15 years. It will also set us on a pathway to meeting our 2050 net-zero greenhouse gas emissions and biogenic methane targets by implementing policies and strategies for specific sectors, including:

- transport

- energy
- waste
- building and construction
- agriculture and forestry

The plan will also include:

- a multi-sector strategy to meet emissions budgets and improve the ability of those sectors to adapt to the effects of climate change, and
- ways to mitigate the impacts reducing emissions and increasing removals will have on people, including the funding for any mitigation action.

The first emissions reduction plan is due to be delivered by the end of May 2022.

The consultation document seeks feedback on a range of new strategies and policies. A number of these affect the waste sector, however those most relevant include:

1. Circular and bioeconomy

- Developing a strategy for moving to a circular economy with a thriving bioeconomy, which outlines the vision, guiding principles, roadmap and the Government's role.
- Developing a circular sustainable development pilot fund to support business, communities and iwi to further move to a circular economy.
- Developing further science and innovation support for the circular economy, including start-up support, innovation infrastructure and capability, and exploring mission-led innovation.
- Accelerating the uptake of bioenergy through further supporting market facilitation of bioenergy.
- Building knowledge and education on circular economy. Identifying skill needs and training options.

2. Waste

- Reducing organic waste material
  - reduce food waste
  - reduce waste from construction and demolition
  - identify options for treated wood (reduction, diversion and disposal)
  - other reduction opportunities.
- Reducing organic waste disposal to landfill.
  - food waste and green waste collection
  - businesses to separate food and green waste
  - identifying opportunities to divert households' and businesses' organic waste to be used for other purposes such as compost or biofuel feedstocks
  - better paper and cardboard recycling
  - transfer stations to prioritise recovery alongside new and expanded materials recovery facilities.
- Reducing emissions from organic waste

- gas capture at landfills
- fast-tracking a waste data and licensing system.

Kimberley Hope  
RESOURCE RECOVERY MANAGER

## **AGENDA AUTHORISATION**

Agenda for the Taranaki Solid Waste Management Committee meeting held on Thursday 4 November 2021.

Confirmed:



29 Oct, 2021 1:00:39 PM GMT+13

A J Matthews  
**Director - Environment Quality**

Approved:



28 Oct, 2021 9:00:52 AM GMT+13

S J Ruru  
**Chief Executive**