



AGENDA

Taranaki Solid Waste

Thursday 14 November 2024, 10.30am

Taranaki solid Waste Management Committee Copy



14 November 2024 10:30 AM

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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!



Date: 14 November 2024

Subject: Confirmation of Minutes – 22 August 2024

Author: M Jones, Governance Administrator

Approved by: AJ Matthews, Director - Environment Quality

Document: 3311359

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 Taranaki Regional Council, 47 Cloten Road Stratford on 22 August 2024
- b) notes that the unconfirmed minutes of the Taranaki Solid Waste Management Committee held at on Thursday 22 August 2024 at Taranaki Regional Council have been circulated to the New Plymouth District Council, Stratford District Council and South Taranaki District Council for receipt and information.

Appendices/Attachments

Document 3299872: [Taranaki Solid Waste Minutes – 22 August 2024](#)



Date: 22 August 2024

Venue: Taranaki Regional Council, 47 Cloten Road, Stratford

Document: 3299872

Present: D H McIntyre Taranaki Regional Council (Chairperson)
B Roach South Taranaki District Council

Attending: A Matthews Taranaki Regional Council
M Jones Taranaki Regional Council
N Chadwick Taranaki Regional Council
V McKay Taranaki Regional Council
M Richardson New Plymouth District Council
A Brasch New Plymouth District Council
G Cotter New Plymouth District Council
C Koen New Plymouth District Council
H Denton South Taranaki District Council
J Ingram South Taranaki District Council
L Campbell South Taranaki District Council

Apologies: Apologies were received and sustained from M McKay and M Chong. McIntyre/Roach

1. Confirmation of minutes – 14 March 2024

Recommendations

That the Taranaki Solid Waste Management Committee:

- a) took as read and confirmed the minutes and resolutions of the Taranaki Solid Waste Management Committee meeting held at Taranaki Regional Council, 47 Cloten Road Stratford on 14 March 2024
- b) noted that the unconfirmed minutes of the Taranaki Solid Waste Management Committee held at on Thursday 9 November 2023 at Taranaki Regional Council have been circulated to the New Plymouth District Council, Stratford District Council and South Taranaki District Council for receipt and information.

McIntyre/Roach

2. Regional Waste Minimisation Officers Report

- 2.1 G Cotter provided an update on the activities undertaken by the Regional Waste Minimisation Officer in collaboration with the district councils. In particular the zero waste fund and upcoming events throughout the region.
- 2.2 Tyre Wise disposal project – set to get underway from September.

Recommendations

That the Taranaki Solid Waste Management Committee:

- a) received the memorandum Regional Waste Minimisation Officer's Activity Report
- b) noted the activities of the Regional Waste Minimisation Officer and district councils.

Roach/McIntyre

3. Regional Solid Waste Operations Report

- 3.1 G Cotter provided an update on the solid waste services within the region and the reduction of contamination of rates.
- 3.2 South Taranaki District Council provided an update on the sand dune erosion project at Pātea beach.

Recommendations

That the Taranaki Solid Waste Management Committee:

- a) receives the memorandum regional Solid Waste Operations Report.

McIntyre/Roach

4. Recycling & Waste Sorting Facilities Tour

- 4.1 A Matthews provided an update on the plan for a tour of recycling and waste sorting facilities following the meeting on Thursday 14 November 2024.

Recommendations

That the Taranaki Solid Waste Management Committee:

- a) receives the update on the planned tour following the meeting on Thursday 14 November 2024.

McIntyre/Roach

There being no further business, Committee Chairperson, D H McIntyre declared the meeting of the Taranaki Solid Waste Management Committee closed at 11.42am

Taranaki Solid Waste

Management Chairperson: _____

D H McIntyre



Date: 14 November 2024

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

Author: G Cotter, Regional Waste Minimisation Officer, New Plymouth District Council

Approved by: AJ Matthews, Director - Environment Quality

Document: 3320602

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 Regional Council:

- a) receives the memorandum Regional Waste Minimisation Officer's Activity Report July 2024
- 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 July 2024.

Appendices/Attachments

Document 3320265: [Regional Activity Report July – October 2024](#)

REGIONAL WASTE MINIMISATION OFFICER'S ACTIVITY REPORT (JULY 2024 – SEPTEMBER 2024)

PURPOSE/ TE WHĀINGA

1. The purpose of this report is to provide an update on waste minimisation activities undertaken by the Council officers of New Plymouth District Council (NPDC), South Taranaki District Council (STDC) and Stratford District Council (SDC).

RECOMMENDATION / NGĀ WHAIKUPU

That, having considered all matters raised in the report, the report be noted.

SIGNIFICANCE AND ENGAGEMENT / TOHUTOHU KAI WHAKAHAERE

2. This report is provided for information purposes only, and has been assessed as being of some importance.

BACKGROUND / WHAKAPAPA

3. Waste Management and Minimisation Plans (WMMP) are the guiding document for directing waste management and minimisation actions across territorial authorities and are required to be reviewed every six years. WMMPs include action plans for delivering on the outcomes of the Plan. The WMMP for each Taranaki territorial authority was adopted on:

NPDC	31 October 2023
SDC	14 November 2023
STDC	17 November 2023

4. An activity report is a standard item presented to the Taranaki Solid Waste Management Committee (referred to as the Committee) and provides information of recent and upcoming activities, which helps inform the Committee on how the Taranaki Territorial Authorities are tracking on the delivery on of the WMMPs outcomes.

DISCUSSION/ KŌRERORERO

5. Activities that have delivered on the WMMP between 1 July and 15 October 2024 are summarised for the Committee's information:

NPDC Civic Centre Internal Waste Audit

6. On 22 August 2024, the NPDC Sustainability and Behaviour Change team conducted an audit of waste generated from the Civic Centre. Along with a team of volunteers, Council Officers audited three days' worth of landfill, organics and recycling.
7. Results showed that 77% of the site's waste is diverted from landfill through recycling and organics collection. This is a positive change from the previous audit in 2021, for which the calculated overall diversion rate was 43%.
8. Understanding waste through the waste audit provides an opportunity to improve systems, educate teams and assign responsibility for material management. The Sustainability and Behaviour Change team are creating an action plan to target reduction of key waste streams, system improvements, and education.



Figure 1 Sorted waste from the NPDC Civic Centre Waste Audit

NPDC Zero Waste Fund – latest funding round

9. NPDC runs a Zero Waste Fund for community initiatives that will minimise waste. The current round is open for applications from 1 October to 31 October 2024. Priority for this funding round will be given to those projects that fall in the upper two levels of the waste hierarchy - reduce, rethink, redesign, reuse, repair, repurpose.

NPDC Zero Waste Fund – active and completed projects

10. Stitch Up Society received funding through the previous round of the Zero Waste Fund to deliver community education and skills workshops aimed at reducing textile waste. This contributes to the WMMP action 'expand and promote Zero Waste Grants to support initiatives that promote reuse and repair.'



Figure 2 Stitch-Up Society coordinator assisting a workshop attendee at a Stitch-Up session

11. As of 2 September 2024, they have delivered eight Stitch-Up sessions and four school holiday workshops; sessions will continue to run on an alternating weekly basis in New Plymouth and Ōakura. In addition, they have completed repairs as part of the Taranaki Women's Refuge pop-up shop and worked with community groups and businesses to collect and use textile waste.
12. Te Rau o Rongo Charitable Trust / He Mahi Pū Waitākau received funding through the previous round of the Zero Waste Fund to run composting workshops with Māori whanau. They have run two workshops (13 and 17 October 2024) with 21 adults and 6 tamariki attending across the two sessions. Two more sessions are booked for 3 and 7 November. These workshops contribute to the action 'continue and expand behaviour change programme to include reducing food waste, food rescue, using kerbside service and composting, and how this links to food resilience and reducing carbon emissions' from the NPDC WMMP.
13. Rautāpatu Foundation received funding from a previous round of the Zero Waste Fund to deliver a three-day Circular Economy conference, which was held on 7-9 October 2024. The conference contributed to the action 'expand and promote zero waste fund grants to support initiatives that promote circular economy in different communities including iwi, hapu, marae and whanau' from the NPDC WMMP.

Waitara Central School Waste Audit

14. On 7 August 2024, NPDC officers completed a waste audit with Waitara Central Primary School as part of the Sustainability Education programme. The audit involved sorting waste and education sessions with each class focusing on recycling and how they can contribute to minimising waste. This contributes to the WMMP action 'expand behaviour change programmes and resource for the community, schools and industry focusing on steps to become more sustainable'

15. Results were presented to school leaders and the school have completed several follow up actions, including installing recycling bins in all classrooms, establishing a composting system, and appointing student environmental leaders to support current and future initiatives.



Figure 3 NPDC officers working on a waste audit with children and teachers at Waitara Central School

Zero Waste Events

16. Under the NPDC Solid Waste Management and Minimisation Bylaw of 2019, a Waste Management and Minimisation Plan is required for any event that receives Council funding or support and/or is held on Council land. Through this Bylaw, Council Officers have supported event organisers by assisting with their waste plans, providing volunteer support for managing waste and subsidizing bin costs if the event reaches a 50 per cent diversion from landfill rate.
17. Below is a summary of the waste data for events that took place between 1 July - 30 September 2024.

NPDC Events

Number of Events	Total Waste Diverted	Average Diversion Rate
12	2095.3 kg	75%

Community Events on Council land

Number of Events	Total Waste Diverted	Average Diversion Rate
2	1023.40	60%

Pickers Market (note: this is very close to a zero-waste event)

Number of Events	Total Waste Diverted	Average Diversion Rate
4	7.05 kg	64%

Seaside Market

Number of Events	Total Waste Diverted	Average Diversion Rate
4	167.7 kg	71%

SDC Milk Bottle Lids Competition

18. During school terms 3 and 4 (July to December 2024), Stratford District Council is running a competition to encourage local schools and early childhood centres to collect plastic milk and cream bottle lids, as well as encouraging their wider families to help save the lids thus keeping them out of home recycling bins where they contaminate recycling.
19. At the halfway mark, the competition has exceeded its initial target of 15,000 lids with over 50,000 milk and cream bottle lids being collected by nine schools and early childhood centres. The target has been updated, with SDC now aiming to collect 100,000 lids.
20. Once the SDC competition is completed, bin audit data will be used to assess effectiveness and results used to inform similar competitions in South Taranaki and New Plymouth districts.



Figure 4 Children with some of the caps collected during the milk bottle lid competition.

SDC at Taranaki Conservation Week Expo

21. SDC hosted a stall at the inaugural Taranaki Regional Council Conservation Week Expo, which was held at the Stratford War Memorial Centre on 4 September 2024. The stall focused on waste education, including fly tipping and illegal dumping.



Figure 5 Stratford District Council's stall at Taranaki Conservation Week Expo

STDC Waste Auditing and Action Plans

22. STDC Business Waste Minimisation Officer conducted comprehensive waste audits at fifteen Council facilities, including libraries, offices, water treatment plants, and the aquatic centre.
23. The waste audit results indicated significant variation with waste diversion across the various facilities, ranging from 78% to as low as 0% waste diversion from landfill.
24. Waste audits have now been completed at all STDC facilities, providing a comprehensive understanding of waste streams.
25. Follow up actions include: increasing staff education and awareness, installing more recycling stations, establishing Keep Cup libraries, improving the collection of organic waste, improving the collection and sorting of mixed recyclables, installing signage with better guidance and information on proper waste disposal



Figure 6 Sorted waste from STDC waste audits

STDC Waste-Ed with Kate

26. On 10 September, [Waste-Ed with Kate](#) hosted a two-hour presentation to an audience of 35 people. Attendees gained valuable insights into the fate of their waste after it is collected from the kerbside, learning about the entire process from disposal to landfill, including discussion of the new kerbside collection service introduced in South Taranaki.
27. The discussion highlighted the changes and benefits the new kerbside collection brings and helped the audience understand the impact that the new system could have on reducing landfill waste.
28. Kate also visited both Te Pae Pae and Patea area schools to deliver education on the benefits of reusable menstrual products. Around 50 students at each school participated in these sessions, which were focused on promoting access to period products and reducing the environmental impact of single-use options.

STDC Ohawe Beach Clean

29. On September 8, 2024, the Ohawe Beach Community came together for a beach clean-up event, focusing on collecting debris washed ashore by two recent storms. Volunteers worked diligently to remove a significant amount of wet and storm-tossed waste, with the total collection weighing in at 180 kilograms.
30. This effort was part of the Community Clean Up initiative, which allows collected waste to be dropped off free of charge at a South Taranaki Transfer Station, supporting local groups in their efforts to maintain cleaner and healthier public areas.

CLIMATE CHANGE IMPACT AND CONSIDERATIONS / HURINGA ĀHUARANGI

31. Emissions generated from waste are one of the key emission reduction sources identified nationally. The region's work to reduce waste and focus on circular economy will result in reducing emissions from waste. All Waste Management and Minimisation Plans in the region include emission reduction targets.

NEXT STEPS / HĪKOI I MURI MAI

32. The Waste Management and Minimisation Plan determines all waste minimisation activities from 2023- 2029. The report will continue to provide updates to the committee on progress towards the actions in the plan.

FINANCIAL AND RESOURCING IMPLICATIONS / NGĀ HĪRAUNGA Ā-PŪTEA, Ā-RAUEMI

33. There are no financial or resourcing implications arising from this report. All waste minimisation activities are funded through the national waste levy funding or through council long term plan process.

IMPLICATIONS ASSESSMENT / HĪRANGA AROMATAWAI

34. This report confirms that the matter concerned has no particular implications and has been dealt with in accordance with the Local Government Act 2002. Specifically:
- Council staff have delegated authority for any decisions made;
 - Council staff have identified and assessed all reasonably practicable options for addressing the matter and considered the views and preferences of any interested or affected persons (including Māori), in proportion to the significance of the matter;
 - Council staff have considered how the matter will promote the social, economic, environmental, and cultural well-being of communities in the present and the future.
 - Unless stated above, any decisions made can be addressed through current funding under the Long-Term Plan and Annual Plan;
 - Any decisions made are consistent with the Council's plans and policies; and
 - No decisions have been made that would alter significantly the intended level of service provision for any significant activity undertaken by or on behalf of the Council, or would transfer the ownership or control of a strategic asset to or from the Council.

Report Details

Prepared By:	Jenn O'Connell, Sustainability Behaviour Change Lead
Team:	Sustainability and Behaviour Change
Approved By:	Amy Brasch, Manager Sustainability Behaviour Change
Ward/Community:	Regional
Date:	21 October 2024
File Reference:	ECM 9367349

-----*End of Report*-----



Date: 14 November 2024

Subject: **Regional Solid Waste Operations Report**

Author: G Cotter, Regional Waste Minimisation Officer, New Plymouth District Council

Approved by: AJ Matthews, Director - Environment Quality

Document: 3320632

Purpose

1. The purpose of this memorandum is to provide an update to the Committee on waste services around the region.

Recommendations

That the Taranaki Regional Council:

- a) receives the memorandum regional Solid Waste Operations Report.

Appendices/Attachments

Document 3320626: [TSWM Operations Report July – October 2024](#)

REGIONAL SOLID WASTE OPERATIONS REPORT (JULY 2024 – OCTOBER 2024)

PURPOSE/ TE WHĀINGA

1. The purpose of this report is to update on the regional waste services undertaken by New Plymouth District Council (NPDC), South Taranaki District Council (STDC), and Stratford District Council (SDC).

RECOMMENDATION / NGĀ WHAIKUPU

That, having considered all matters raised in the report, the report be noted.

SIGNIFICANCE AND ENGAGEMENT / TOHUTOHU KAI WHAKAHAERE

2. This report is provided for information purposes only, and has been assessed as being of some importance.

BACKGROUND / WHAKAPAPA

3. NPDC, STDC, and SDC have a regional joint services contract for solid waste kerbside collection and transfer station operations. The scope of works includes Landfill, Recycling, Glass and Organics Collections; full management and operation of all Refuse Transfer Stations; provision of bins and bulk haulage from the Refuse Transfer Stations for all waste streams and processing of organics for a temporary period.
4. The current solid waste contract began on 1 October 2024.
5. In addition, local waste services include The Sorting Depot Commercial Materials Processing Facility (NPDC); Colson Rd Landfill Closure (NPDC); The Junction (NPDC); and Rural Transfer Stations.
6. Colson Road Landfill continues with final capping of the Northern most part and is currently programmed to be completed in the construction season of October 2024 – May 2025.

DISCUSSION/ KŌRERORERO

Change to Solid Waste Services provider

7. From 1 October 2024, Waste Management (WM) NZ are the contractor for Taranaki's solid waste services, including kerbside collections and transfer station operations.

8. In the New Plymouth District, transition to the new contractor is proceeding smoothly as expected. Full data is not yet available, but some questions and challenges regarding routes and specific properties have arisen and resolved in the first fortnight.
9. With no changes to collection days or services offered for New Plymouth District residents, communication focused on warning people that times might change and encouraging everyone to have their bins out by 7am.
10. The updated kerbside collection service included some changes for the South Taranaki district, with a fortnightly schedule that includes: a 25L food scraps bin, a 60L glass crate, a 140L landfill bin, a 240L mixed recycling bin, and an opt-in 240L green waste bin.
11. To introduce the new kerbside collection program, the South Taranaki District Council (STDC) held an open day on Saturday, September 14th. The event attracted around 200 attendees who enjoyed a free sausage sizzle and received discounted coffee when they brought their own reusable cups.
12. WM New Zealand showcased their newly designed collection trucks and hook bins for the transfer stations. Staff from both STDC and WM New Zealand were on hand to answer questions about the new kerbside collection service.
13. The transition is going well but has come with the expected increase in service requests. In the second week, STDC received phone calls from 3% of eligible properties, mostly regarding bins not being emptied.
14. Both NPDC and STDC have found truck video footage helpful in determining whether "bin not collected" complaints are genuine or whether bins were not out for collection at the correct time.



Figure 1 Trucks and bins from new kerbside collection provider, Waste Management NZ

Material Recycling Facility (MRF) Contamination data

15. Table 4 shows the tonnage of incoming recycling received at the MRF from kerbside and transfer stations between July to September 2024 and the contamination rates of that recycling.
16. Contamination of recycling rates at the MRF remain below 20% this quarter.

Table 1. Contamination of recycling at the MRF

MRF Overall Contamination %	Jul 2024	Aug 2024	Sep 2024
Total incoming recyclables (tonnes)	418.5	400.1	400.2
Contamination - tonnes to landfill	78.7	75.4	78.6
Contamination Percentage	18.8%	18.8%	19.6%

The Sorting Depot commercial waste processing facility

17. The Sorting Depot, which in July 2023, is open to account customers and accepts skip bins of commercial and demolition waste for sorting.
18. Figure 2 shows the data breakdown of diversion and tonnes to landfill from July 2023 – September 2024.

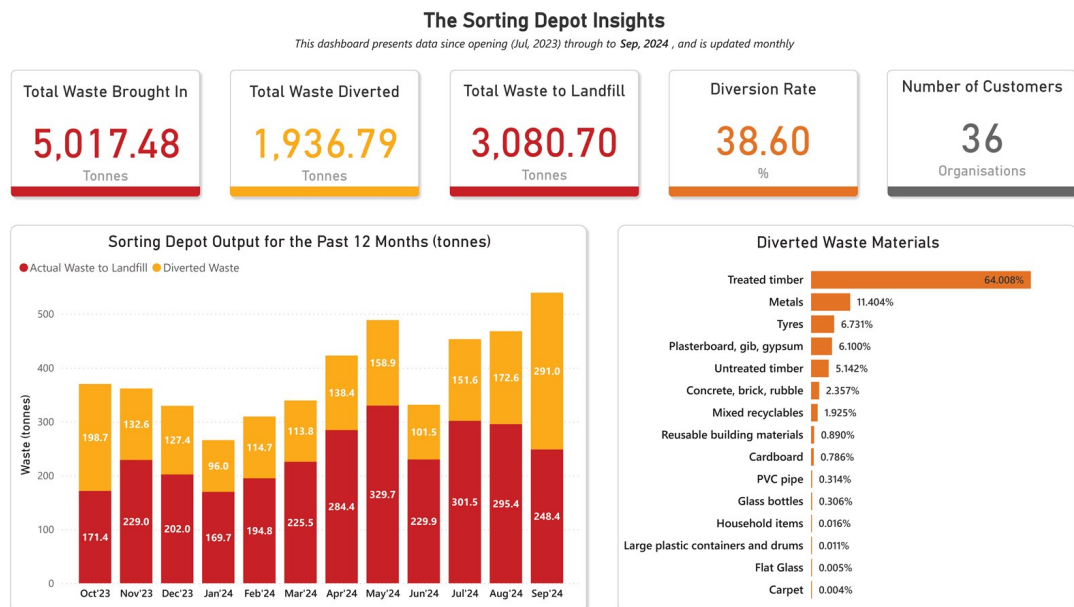


Figure 2 Sorting Waste Depot data insights

19. The total tonnes entering the Sorting Depot has steadily increased through the quarter and the facility is averaging a 38.6% diversion rate. At end of September 2024, there were 36 registered customers, an increase of 10 customers since July 2024.

20. The 291 tonnes diverted in September 2024 is the highest monthly total since the facility opened.
21. An online calculator was developed as a tool to help account customers estimate their waste diversion based on waste averages for the Sorting Depot for reporting purposes. For example, the calculator can be used to support businesses in filling out reporting required for NPDC Construction Waste Plans.

The Junction

22. In the quarter July – September 2024, The Junction has diverted 75.15 tonnes of materials. This is a record diversion total for the site.
23. The resource consent was approved so construction of the permanent building has commenced. It is anticipated to be completed mid-2025.

SDC Solid Waste Analysis Protocol

24. In September, SDC Officers undertook a SWAP (Solid Waste Analysis Protocol) audit to estimate the composition of waste from their kerbside landfill bins. This analysis is an important tool to track how the district is tracking towards achieved the set WMMP targets and identify areas to focus on if recoverable materials are identified in the landfill bin.
25. The majority (~49%) of recoverable waste was putrescible waste excluding garden waste (e.g. food scraps). The other top recoverable materials were glass recycling (~14%) and paper/cardboard recycling (~8%). A summary of the results can be found in Table 1 below.

26. The analysis showed that over 90% of materials were potentially divertible by either kerbside collection (i.e. paper/cardboard, plastics 1, 2, or 5, aluminium cans, tin cans, glass) or by alternative collection or reuse (e.g. food waste, garden waste, textiles, timber, soft plastics, appliances, rubble/concrete).

Waste Stream	Waste Type	2024 SWAP result (kg)	2024 SWAP result (%)	2022 SWAP result (%)	% Variance
Recyclable Kerbside Collection	Paper/Cardboard	17.02	7.8	7.7	Up 0.1%
	*Plastics Type 1,2 or 5	3.03	1.4	Not recorded	
	*Non-ferrous metal (aluminium cans)	1.38	0.6	Not recorded	
	Glass	30.28	13.9	1.8	Up 12.1%
	Ferrous metals (tin cans)	1.87	0.9	1.3	Down 0.4%
	Total	53.58	24.6	10.8	
Recyclable Alternative Collection	Putrescibles* (excludes garden waste)	105.8	48.6	58.9	Down 10.3%**
	Putrescibles* – Garden Waste	15.15	7	0	Up 7%**
	Textiles	10.72	4.9	2.4	Up 2.5%
	Timber	0.41	0.4	2.8	Down 2.4%
	Rubble/Concrete	0	0	0.5	Down 0.5%
	Household appliances/electronics	2.5	1.2	Not recorded	
	Soft Plastics	13.49	6.2	not recorded	
	Total	148.07	68.3	64.6	
Hard to Recyclable/non-recyclable	Non ferrous metals (tin foil/aluminium plates etc)	0.56	0.6	1.7	Down 1.1%
	Rubber	0	0	0.1	Down 0.1%
	Potentially Hazardous (batteries, aerosol cans, medical waste etc)	2.96	1.3	2	Down 0.7%
	Nappies and Sanitary	12.46	5.7	8.4	Down 2.7%
	Total	15.98	7.6	12.2	

Table 1: Stratford District Council SWAP analysis results

NEXT STEPS / HĪKOI I MURI MAI

27. The Solid Waste Services contract is a ten-year contract between Waste Management NZ and the Taranaki district councils. Contractor KPI's will continue to be monitored and reported to the committee.

CLIMATE CHANGE IMPACT AND CONSIDERATIONS / HURINGA ĀHUARANGI

28. Waste emissions are one of the key emission reduction sources identified nationally. The region's work to reduce waste to landfill and recover organic materials will result in reducing emissions from waste.

FINANCIAL AND RESOURCING IMPLICATIONS / NGĀ HĪRANGA Ā-PŪTEA, Ā-RAUEMI

29. There are no financial or resourcing implications arising from this report.

IMPLICATIONS ASSESSMENT / HĪRANGA AROMATAWAI

30. This report confirms that the matter concerned has no particular implications and has been dealt with in accordance with the Local Government Act 2002. Specifically:
- Council staff have delegated authority for any decisions made;
 - Council staff have identified and assessed all reasonably practicable options for addressing the matter and considered the views and preferences of any interested or affected persons (including Māori), in proportion to the significance of the matter;
 - Council staff have considered how the matter will promote the social, economic, environmental, and cultural well-being of communities in the present and the future.
 - Unless stated above, any decisions made can be addressed through current funding under the Long-Term Plan and Annual Plan;
 - Any decisions made are consistent with the Council's plans and policies; and
 - No decisions have been made that would alter significantly the intended level of service provision for any significant activity undertaken by or on behalf of the Council, or would transfer the ownership or control of a strategic asset to or from the Council.

Report Details

Prepared By: Jenn O'Connell (Sustainability Behaviour Change Lead)
Team: Sustainability and Behaviour Change
Approved By: Amy Brasch (Manager Sustainability and Behaviour Change)
Ward/Community: Regional
Date: 21 October 2024
File Reference: ECM 9367339

-----*End of Report*-----



Date: 14 November 2024

Subject: **Regional Annual Data Report 2023/2024**

Author: G Cotter, Regional Waste Minimisation Officer, New Plymouth District Council

Approved by: AJ Matthews, Director - Environment Quality

Document: 3320636

Purpose

1. The purpose of this memorandum is to provide an update on the regional waste data for the 2023/2024 financial year.

Recommendations

That the Taranaki Regional Council:

- a) receives the memorandum Annual Data Report 2023/2024.

Appendices/Attachments

Document 3320627: [Regional Annual Data Report 2023/2024](#)

REGIONAL ANNUAL SOLID WASTE DATA REPORT (JULY 2023 – JUNE 2024)

PURPOSE/ TE WHĀINGA

1. The purpose of this report is to update on the regional waste data for New Plymouth District Council (NPDC), South Taranaki District Council (STDC) and Stratford District Council (SDC) for the 2023/2024 financial year.

RECOMMENDATION / NGĀ WHAIKUPU

That, having considered all matters raised in the report, the report be noted.

SIGNIFICANCE AND ENGAGEMENT / TOHUTOHU KAI WHAKAHAERE

2. This report is provided for information purposes only, and has been assessed as being of some importance.

BACKGROUND / WHAKAPAPA

3. The regional joint services contract for solid waste kerbside collection and transfer station operations requires the contractor to provide monthly data on the volumes of waste, alongside contamination levels at a household-level, received through the Council services provided. The reports required under the resource recovery facility contract provide information on recycling composition and contamination levels received from all incoming recycling for the region.
4. The data is required under Part 3 of the Waste Minimisation Act 2008 and is reported to the Ministry for the Environment.
5. This report presents the waste data for the 2023/2024 year and compares it to the previous four years of data.

DISCUSSION

Total tonnes to landfill

6. Table 1 shows the total tonnes sent to landfill from waste collected from kerbside collection and transfer stations for each council. For NPDC, the waste tonnes from the Sorting Depot, commercial waste sorting facility that opened 3 July 2023, have been included for the last financial year.

Table 1. Total tonnes to landfill from Council waste services for Taranaki region

Total Tonnage to LANDFILL					
	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
NPDC	27439.0	25197.2	25523.0	24900.0	25160.0
SDC	1814.0	1741.3	1730.0	1534.0	1545.7
STDC	10683.0	11979.3	13639.0	14815.0	13501.0
TOTAL	39936.0	38917.8	40892.0	41249.0	40206.7
Percentage change per year		-3%	5%	1%	-3%

- NPDC had a 1% increase in total tonnes for 2023/2024, and SDC had a 0.7% increase. STDC had a substantial decrease of 9% (1314 tonnes).
- Figure 1 shows the change in total tonnes sent to landfill for the region. There was an overall 3% decrease (-1042 tonnes) in total amount of waste sent to landfill despite a 1% increase (+1720) in population for 2023/2024. This is the first time we have seen a year on year reduction since the COVID-19 pandemic.

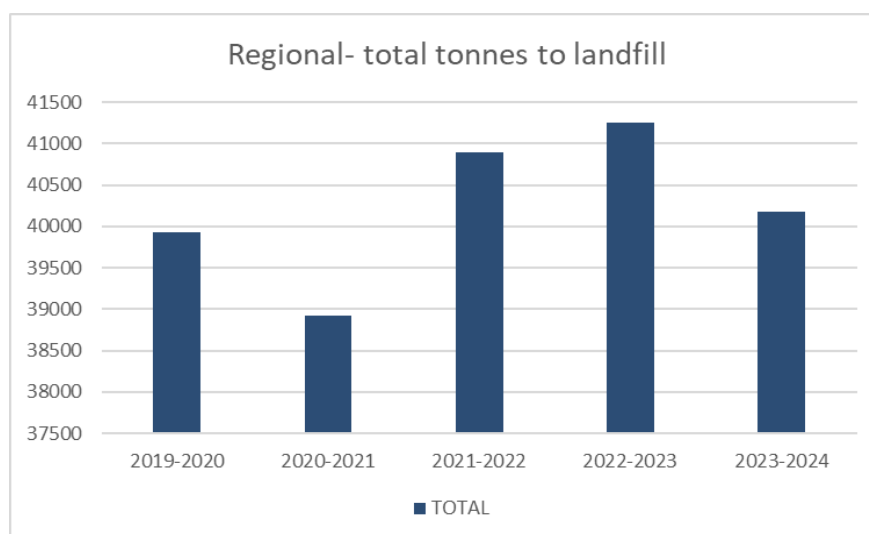


Figure 1. Annual regional total tonnes to landfill.

Total tonnes of recycling

- Table 2 shows the total tonnes of recycling collected from kerbside and transfer stations across the region. This includes co-mingled recycling and glass.

Table 2. Total tonnes of recycling per year

Total tonnage of RECYCLING (kerbside, transfer stations)					
	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
NPDC	5680	5746	5784	6298	6505
SDC	493	492	469	532	495
STDC	2258	2208	1663	1813	1583
TOTAL	8431	8446	7916	8643	8583
Percentage change per year		0.18%	-6.70%	8.41%	-0.70%

10. There was a slight decrease in total recycling tonnes for the region. A decrease in recycling can be a negative trend if partnered with an increase in landfill waste, meaning the diversion percentage of materials would decline. However, as the total tonnes of landfill waste also decreased, recycling tonnes decreasing shows that overall material generation and disposal has declined, which is a positive trend.

Total tonnes of materials

11. Figure 2 shows the total tonnes of waste collected at transfer stations, the Sorting Depot, and kerbside collections from across the region. The waste materials included are landfill waste, recycling and glass, food scraps, green waste, scrap metal, and mixed materials from the Sorting Depot.
12. The total tonnes of waste collected for 2023/2024 was 55,984 tonnes, which is a reduction of 729 tonnes from the previous year.
13. Landfill waste, recycling, green waste and scrap metal tonnes all reduced while food scrap tonnes increased. Of the total tonnes, 15777 tonnes (28%) was diverted from landfill.

Table 3. Total materials entering waste management system

Total materials entering the waste management system (Regional)					
	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Waste	39936	38918	40892	41249	40207
Recycling	8431	8446	7916	8643	8583
Food scraps	1174	1654	1457	1379	1435
Greenwaste	2662	2897	3970	5003	4039
Scrap metal		432	519	439	400
Sorting Depot diverted					1322
Combined	52203	52347	54753	56713	55984
Diverted	12267	13429	13861	15464	15777
Diversion %	23%	26%	25%	27%	28%
% increase (year on year)		9%	-1%	8%	3%

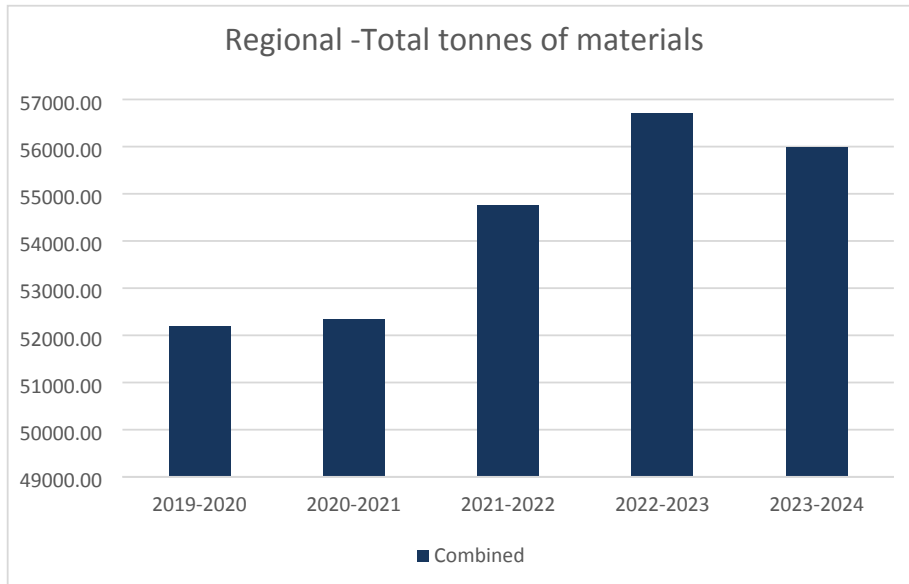


Figure 2. Total tonnes of materials entering the waste management system across the region

Waste per capita

- 14. All three councils had a decrease in waste per capita for 2023/2024 and the region achieved a 4% waste reduction which is shown in Figure 3.
- 15. The average waste generated per person has reduced to 312kg, similar to the amount of waste observed in 2020/21 when there was a significant decrease in waste generated due to COVID 19 lockdowns.

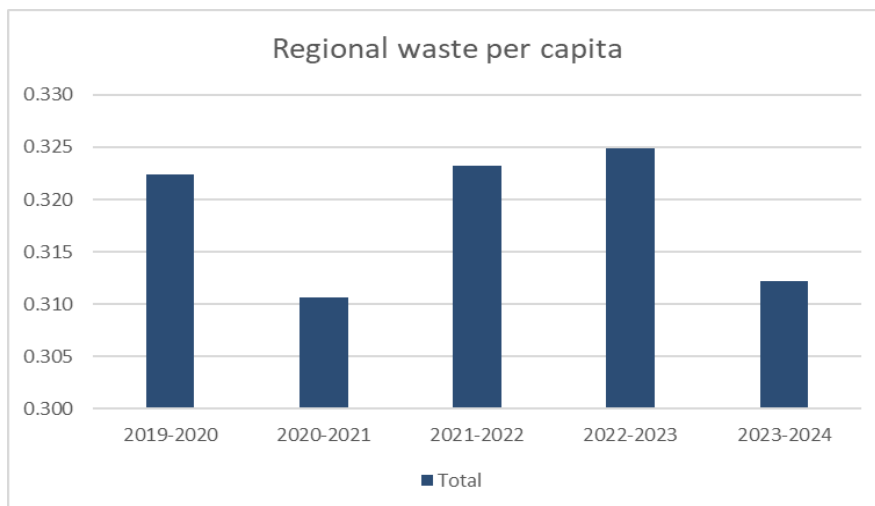


Figure 3. Annual regional waste per capita average

Recycling per capita

16. Table 3 shows a 2% decrease in recycling tonnes per capita for 2023/2024 as a region. The average amount of recycling generated per capita is 67kgs and this figure has remained relatively stable over the last 5 years.

Table 4. Recycling per capita per year

Recycling per capita					
	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
NPDC	0.066	0.066	0.066	0.072	0.073
SDC	0.053	0.050	0.046	0.054	0.048
STDC	0.079	0.077	0.057	0.062	0.053
Total	0.068	0.067	0.063	0.068	0.067
Percentage change per year		-1%	-7%	9%	-2%

Waste per household

17. NPDC and SDC had a slight increase in the average amount waste generated per household, which is calculated as total tonnes of waste from kerbside collections divided by the total number of households receiving the collection service.

Table 5. Waste per household per year

Waste per household (kerbside only)								
	NPDC		SDC		STDC		Regional	
2019/2020	0.258		0.550		0.412		0.310	
2020/2021	0.241	-6.4%	0.509	-7.5%	0.408	-0.9%	0.293	-5.6%
2021/2022	0.258	7.0%	0.517	1.6%	0.406	-0.6%	0.305	4.3%
2022/2023	0.256	-0.8%	0.475	-8.1%	0.398	-2.0%	0.300	-1.9%
2023/2024	0.263	2.5%	0.484	1.8%	0.390	-1.9%	0.303	1.2%

18. NPDC waste per household increased from 256 kgs in 2022/2023 to 263kgs in 2023/2024. SDC increased from 475kgs to 484kgs for the same period.
19. However, as total waste tonnes to landfill decreased for the region, the waste per household calculation highlights that a higher proportion of landfill waste came from kerbside than in previous years.

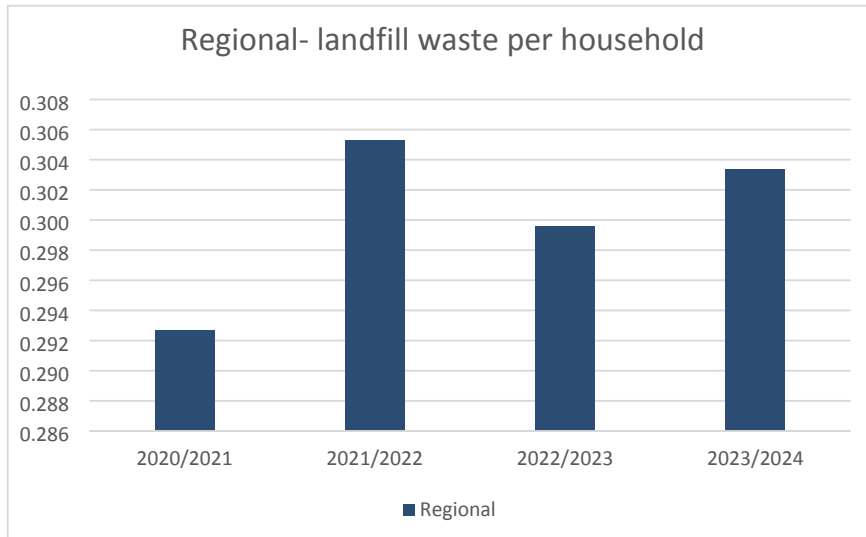


Figure 4. Annual regional waste per household average

Contamination of recycling

20. Table 4 shows the average contamination rate for recycling delivered to the MRF from kerbside and transfer stations per month in 2023/2024.

Table 4. Average contamination percentage for recycling delivered to the MRF

2023-2024	
1/07/2023	23.08%
1/08/2023	19.82%
1/09/2023	17.66%
1/10/2023	18.52%
1/11/2023	17.34%
1/12/2023	15.51%
1/01/2024	20.90%
1/02/2024	16.65%
1/03/2024	17.48%
1/04/2024	17.99%
1/05/2024	20.63%
1/06/2024	19.58%
Average	18.76%

21. The average recycling contamination percentage for the region was less than 20% for nine of the 12 months last year and the average for 2023/2024 was less than 20% for the first time in the past five years.
22. Figure 5 shows the annual average contamination percentage for the past five years which highlights the consistent downwards trend.

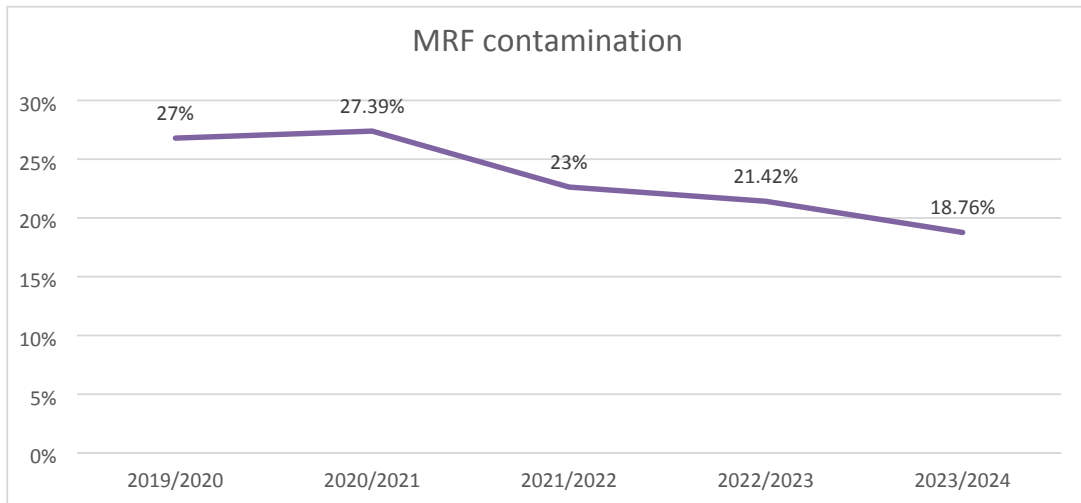


Figure 5. Annual regional contamination percentage for recycling delivered to the MRF

CLIMATE CHANGE IMPACT AND CONSIDERATIONS / HURINGA ĀHUARANGI

23. Waste emissions are one of the key emission reduction sources identified nationally. The region’s work to reduce waste and focus on circular economy will result in reducing emissions from waste. All Waste Management and Minimisation Plans in the region include emission reduction targets.

NEXT STEPS / HĪKOI I MURI MAI

24. The Waste Management and Minimisation Plan determines all waste minimisation activities from 2023- 2029. All activities are planned with consideration to behaviour change best practice and relevant research about waste minimisation communication and engagement approaches.

FINANCIAL AND RESOURCING IMPLICATIONS / NGĀ HĪRAUNGA Ā-PŪTEA, Ā-RAUEMI

25. There are no financial or resourcing implications arising from this report. All waste minimisation activities are funding through the national waste levy funding or through council long term plan process.

IMPLICATIONS ASSESSMENT / HĪRANGA AROMATAWAI

26. This report confirms that the matter concerned has no particular implications and has been dealt with in accordance with the Local Government Act 2002. Specifically:
- Council staff have delegated authority for any decisions made;
 - Council staff have identified and assessed all reasonably practicable options for addressing the matter and considered the views and preferences of any interested or affected persons (including Māori), in proportion to the significance of the matter;
 - Council staff have considered how the matter will promote the social, economic, environmental, and cultural well-being of communities in the present and the future.
 - Unless stated above, any decisions made can be addressed through current funding under the Long-Term Plan and Annual Plan;
 - Any decisions made are consistent with the Council's plans and policies; and
 - No decisions have been made that would alter significantly the intended level of service provision for any significant activity undertaken by or on behalf of the Council, or would transfer the ownership or control of a strategic asset to or from the Council.

Report Details

Prepared By: Graceyn Cotter (Regional Waste Minimisation Officer)
Jenn O'Connell (NPDC Sustainability Behaviour Change Lead)
Team: Sustainability and Behaviour Change
Approved By: Amy Brasch (Manager Sustainability and Behaviour Change)
Ward/Community: Regional
Date: 21 October 2024
File Reference: ECM 9367347

-----*End of Report*-----



Kia uruuru mai

Karakia to close meetings

Kia uruuru mai	Fill me with
Ā hauora	Vitality
Ā haukaha	Strength
Ā haumaia	Bravery
Ki runga, Ki raro	Above, below
Ki roto, Ki waho	Within, outwards
Rire rire hau	Let the wind blow and bind
Paimārie	Peace upon you

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 Papatūānuku
Ko Papatūānuku e takoto ake nei	below
Tūturu o whiti whakamaua kia	Let there be certainty
tina	Secure it!
Tina! Hui e! Taiki e!	Draw together! Affirm!

AGENDA AUTHORISATION

Agenda for the Taranaki Solid Waste Management Committee meeting held on Thursday 14 November 2024.

Confirmed:



7 Nov, 2024 11:06:11 AM GMT+13

A J Matthews

Director - Environment Quality

Approved:



6 Nov, 2024 12:32:30 PM GMT+13

S J Ruru

Chief Executive