

# WASTE OPERATIONS REVIEW



# Waste Management & Minimisation Plan (WMMP)



Guiding Document for TA's. Latest version approved and adopted by Council in June 2024.



This is a legislative requirement for TA's



Contains New Zealand Waste Strategy(NZWS) goals that are set by Central Government (MFE)



Action Plan for TDC towards achieving NZWS goals and our own objectives

# Contract 2400 – TDC & EnviroNZ (ENZ)



THE CONTRACT WAS SIGNED  
IN 2021 AND IS FOR A  
PERIOD OF 15 YEARS PLUS 5  
YEAR RIGHT OF RENEWAL



THE AGREED PRICE OF THE  
CONTRACT WAS  
\$79,840,484. THE CONTRACT  
PRICE IS SUBJECT TO  
VARIATIONS



THIS IS A COMMON  
CONTRACT WITH MACKENZIE  
(MDC) AND WAIMATE (WDC)  
DISTRICT COUNCILS TO  
PROVIDE CONSISTENT LEVELS  
OF SERVICE.



QUARTERLY GOVERNANCE  
MEETINGS ARE HELD  
BETWEEN ALL SIGNATORIES  
(MDC, WDC & TDC)



PART OF CONTRACT ALLOWS  
ENZ TO INTRODUCE  
COMMERCIAL BUSINESS,  
BUT TDC, MDC AND WDC  
MATERIALS GET PRIORITY



## TDC assets including Redruth & Transfers Stations

- ▶ Buildings – Material Recovery Facility(MRF), on-site offices, Kiosks, Crow's Nest etc
- ▶ The new Organics Facility is a joint venture, which TDC will own at the end of the contract
- ▶ Plant & Machinery (e.g. gas flare, 3 compactors, 5 weighbridges etc.)
- ▶ 20 Compactor and Hooker bins
- ▶ Internal roads, hard stand areas – bunkers etc.
- ▶ Underground assets including
  - Pumps
  - Leachate and gas lines
  - Monitoring wells





TDC has the following Transfer Stations:

- Redruth Resource Recovery Park
- Geraldine Transfer Station
- Temuka Transfer Station
- Pleasant Point Transfer Station

Redruth Landfill is one of only 3 Council owned Class 1 landfills in the South Island. Class 1 means acceptance of most materials including municipal solid waste and putrescibles

The landfill has an estimated life span until 2050 based on current tonnages and compaction rates. Redruth and the Transfer Stations are all subject to consents and conditions



Capped landfill cell



New organics facility



Active cell 3.5



# Redruth Landfill Cells



Capped cells 2.1, 2.2, 2.3, 2.4,  
3.1.3.2,3.3 & 3.4

Active cell 3.5

Future cells 3.6, 3.7, 3.8, 3.9 &  
3.10

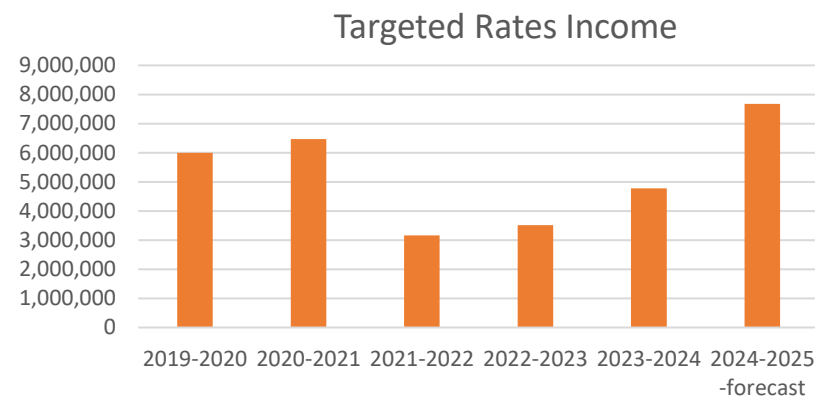
# Waste Levy Overview

- ▶ This is an update to the Waste Levy paper presented to Council meeting on 17 September 2024. For a full breakdown of allocations please refer to the paper
- ▶ Redruth is a Class 1 Landfill and pays a levy of \$60 per tonne for all materials sent to Landfill
- ▶ A portion of the levy is redistributed to TA's to spend on waste minimisation activities as set out in our WMMP
- ▶ The total Waste Levy paid by TDC to MFE for a 12 month period is \$2,112,870
- ▶ The amount received from MFE for 2024-25 is \$917,312
- ▶ TDC allocates levy funding to many different areas including:
  - ▶ Support for 2 Educators and 1 Bin Auditor
  - ▶ Sustainable South Canterbury Trust
  - ▶ Subscriptions to Waste Minimisation organisations
  - ▶ Costs associated with diversion of materials e.g. degassing of whiteware

# Financials (Income)

Income is primarily derived from:

- ▶ Targeted Rates - \$7,677,100 in 2024-25
  - ▶ In 2020-21 the Targeted Rate was reduced by 50% on the previous year
  - ▶ On-going revenue issues until 2024-25 when this has been corrected
  - ▶ Refer attached graph
- ▶ Transfer Station & Landfill income as at 31 March is \$4,658,996 (82%). Budget for year is \$5,648,779

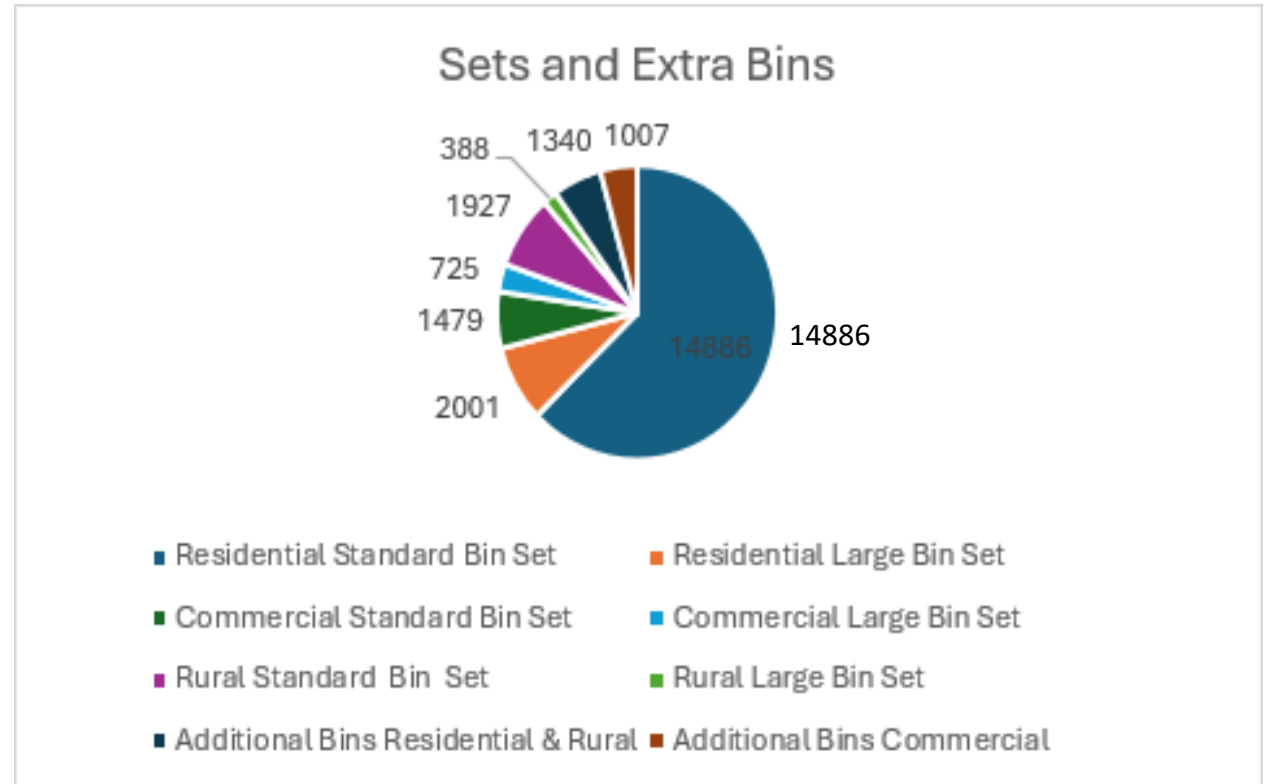


Year	Actual Income
2019-2020	5,996,704
2020-2021	6,471,899
2021-2022	3,164,227
2022-2023	3,518,939
2023-2024	4,781,778
2024-2025 - forecast	7,677,100



# Waste Management Income from Rates

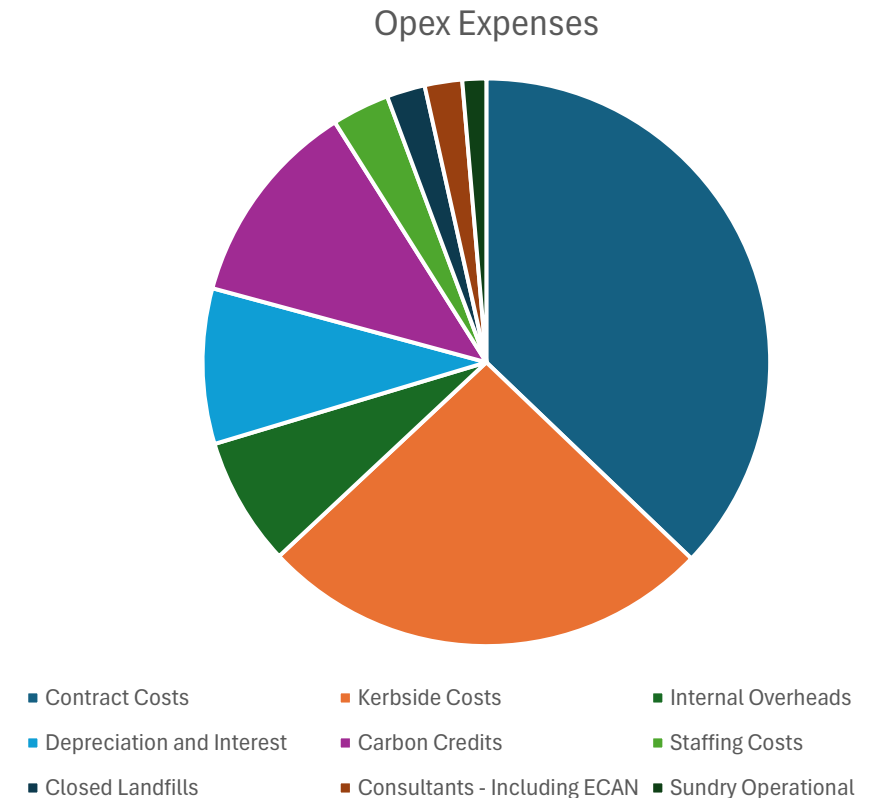
- There are many different bin combinations in the Timaru District
- The charges are calculated by the Rates Team and reviewed each year
- As per the previous slide approximately \$7.7M income is received annually
- Ratepayers can choose to upsize bins from standard sets or add additional bins
- 43% of additional bins are allocated to commercial businesses



# Financials (Expenses)

The primary expenses year to date include:

- Contract costs paid by monthly claim - \$3M – 37.2%
- Kerbside costs (including pick up costs and waste levy) - \$2.1M - 25.9%
- Internal Overhead costs - \$591K – 7.3%
- Depreciation & Interest - \$715K – 8.9%
- Carbon Credits - \$950K – 11.8%. We have reduced our Carbon Credits by approx \$600K by installing the Gas Flare. It has allowed us to use a UEF factor of 0.772 as opposed the default factor of 1.023
- Remaining expenses including staffing, consultants (including Ecan compliance charges), Peel Forest and Sundry Operational costs. The latter includes costs for utilities, insurance and hazardous waste disposal - \$723K – 8.9%
- Areas such as cell development and capping, closed landfill assessments etc require professional advice
- Also under consultants fees are compliance and consent monitoring costs from Ecan and data testing analysis that is required to be undertaken





# What Do My Rates Pay For ?

- Your rates for kerbside collections are allocated to a variety of factors. The cost for a Standard Set of Kerbside Bins is \$378.00 comprising:
  - Pick up fees - \$107.61
  - Landfill fees - \$17.75
  - Carbon credits - \$20.63
  - Operational costs for the facilities – MRF, Organics, Glass handling and admin costs, such as staffing - \$232.01
- Currently there are 85,246 bins distributed throughout the District
- The total number of bin types in the Timaru District are:

• Rubbish	22,022
• Recycling	21,781
• Organics	20,634
• Glass	20,809
- Urban and rural ratepayers have weekly organics collections and fortnightly, rubbish, recycling and glass
- CBD ratepayers have all their bins emptied weekly



# Financials – Contract 2400

- Facilities – Fixed monthly costs
  - operation of Redruth Landfill
  - all transfer stations (including weighbridge operations and staff)
  - MRF, Organics and Glass
- Kerbside costs – refer previous slide
- Ground maintenance for all sites – 22 hectares of shrubs and grassed areas and maintenance of 136 trees
- Cost of haulage from transfer stations to Redruth is based on tonnage of materials moved
- Cost of Education and Eco Centre now coded to Waste Levy





# General

- ▶ The exact timing of the future cell development will be dependent on the cell fill and compaction rates
- ▶ A Lifetime Assessment has been completed for Redruth. This is updated regularly. Factors impacting estimated life span:
  - Type of materials entering landfill
  - Campaigns focused on keeping materials from the landfill e.g. Tyrewise Stewardship Scheme
  - Options available for landfills, such as Taiko Landfill which is able to take Construction & Demotion and asbestos materials
- ▶ Many plant & machinery items, such as compactors and transfer station weighbridges are at or nearing their end of life and a priority replacement programme is being established as per the Asset Management Plan
- ▶ TDC has a diversion rate of materials of approximately 70%. This rate is among the highest in the country
- ▶ LTP Capex Budgets relatively consistent over next 5 years. Only significant change is in 2028/29 when a budget of \$2.8M has been allocated for new Cell Development & Capping – other years the average is \$400-\$500K
- ▶ Not all previous capping at Stage 1 landfill has been completed to current standards. A programme is underway to address this as budget allows
- ▶ Zero Waste Events – previously these were at a cost to TDC. TDC now provides the bins, but event organisers are responsible for the associated costs

# Closed Landfills

- ▶ There are many closed landfills throughout the District. TDC currently has responsibility for 26 closed landfills
- ▶ Pattle Delamore & Partners (PDP) were contracted to risk assess each of the TDC owned closed landfills in respect of human and environmental risks
- ▶ Upon receipt of each report an assessment is being made based on the PDP report. Mitigation actions are considered
- ▶ Removal of materials from the Peel Forest Closed Landfill has been deemed a priority
- ▶ Coastal erosion modelling for the next 100 years shows that the Redruth Landfill will not be breached



# Questions

