

Te Whatu Ora
Health New Zealand

Sustainability Report

Quarter One – Financial Year 1 July 2023 – 30 June 2024

NATIONAL OVERVIEW

Key objectives and progress

Health System Decarbonisation

Goal: To reduce health system carbon emissions in line with a 1.5-degree scenario.

FOCUS AREAS:

Energy transition key objectives: 25% GHG reduction by 2025 | remove all coal boilers by 2025

- Coal boiler transition and Energy Transition Programme are both on track

Fleet transition key objective: transition fleet to low emission vehicles by 2025

- Still in initiate phase – longer than expected due to complexity, next step strategic programme business case

Understand impacts of and solutions for medical gases and vapours

- Business case for Nitrous Oxide destruction fixed plant pilot at Whangarei Hospital to be presented

Risks and barriers

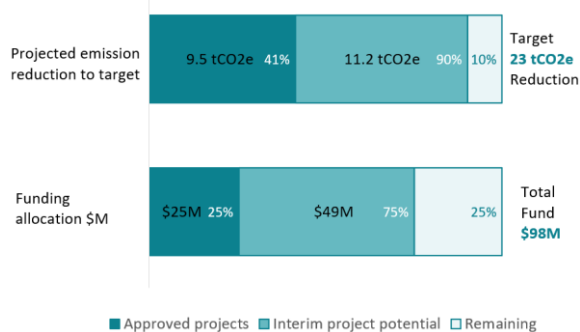
Fleet transition progress is slowed by operating in silos and infrastructure concerns alongside funding

Solutions and mitigations

Working to bring fleet together as a single fleet
 Discussion starting with IIG in EV infrastructure
 Funding investigations for infrastructure requirements underway

Energy Transition

Energy Transition Programme funding and emission reduction progress to target

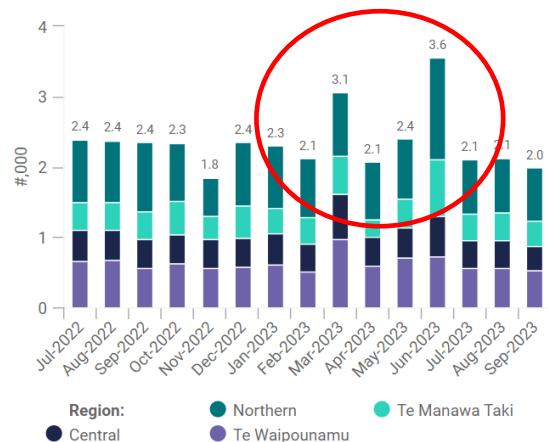


Hospital sites using coal:



Electricity

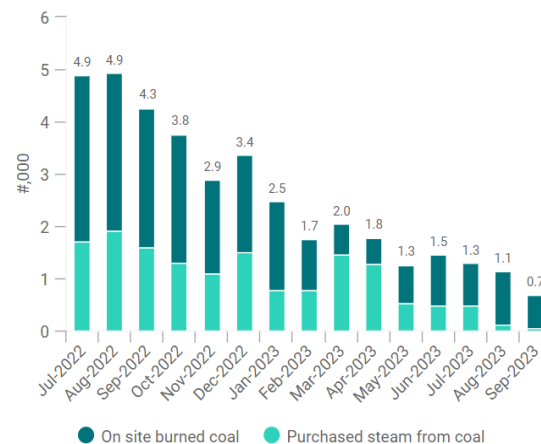
Electricity tCO2e



Note: peaks in consumption due to invoicing cycles, to be corrected when improved data is available

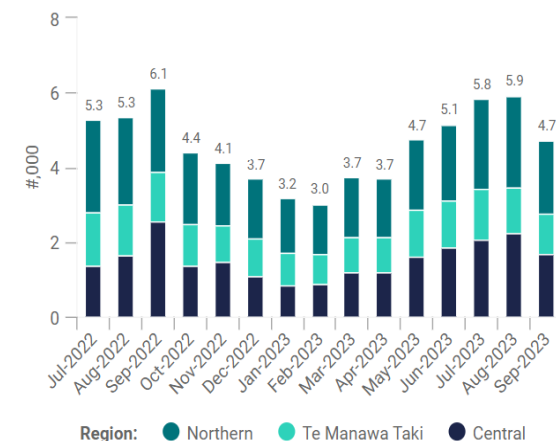
Coal

Coal Te Waipounamu only tCO2e



Natural Gas

Natural Gas tCO2e

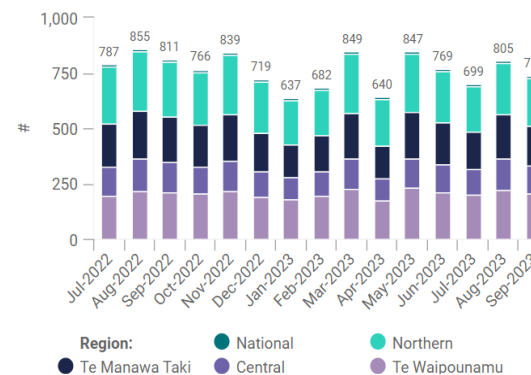


Fleet Transition



Fleet Fuels

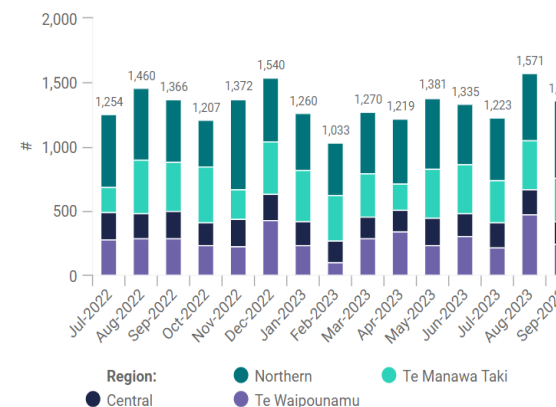
Fleet Fuels tCO2e



Data displayed includes major supplier accounts

Medical Gases

Medical Gases tCO2e



NATIONAL OVERVIEW

Key objectives and progress

Environment in all Practices

Goal: Realise co-benefits that include the environment alongside health, equity, social and economic values.

- Significant work in connecting with Clinical Sustainability Networks as we start to understand how we can support their ambitions
- Ongoing communications and education programme planning
- 10 years of sustainable healthcare publication to be released in line with Annual Report
- Quarterly reporting mechanism created.

Health System Resilience and Adaptation

Goal: To safeguard our health system by planning for and adapting to the impacts of climate change.

- See Climate Risk & Adaptation

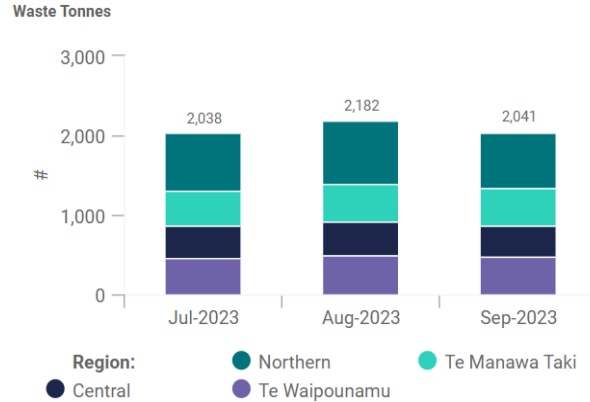
Risks and barriers

Some dependencies and risks to manage including resource availability impacting on activity/delivery progress

Solutions and mitigations

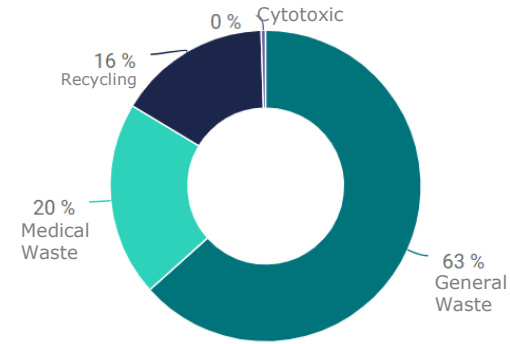
Ensure reconfirmation and recruitment process happens as quickly as practicable

Waste volumes



Waste type

Breakdown of Waste YTD

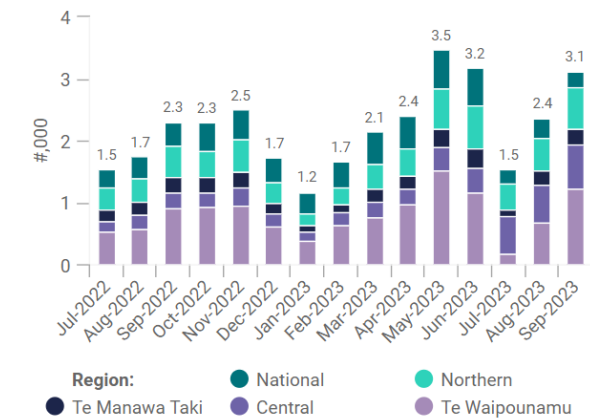


Key Circular Economy projects

- Expiring stock project – RFP in the market including sustainability criteria
- Metered Dose Inhalers – work underway to investigate disposal solutions
- Return of Unused Medicines – Revival of campaign being investigated
- Ethicon Single Use Device Recycling Initiative – working with supplier, various successful trials underway across the motu
- Sterile Wrap Recycling Trial – working with a textile recycler. Initial results positive
- Plastics New Zealand Expanded Polystyrene Product Stewardship Scheme – working with Plastics NZ to find solutions

Staff Air Travel

Staff Air Travel via TMS tCO2e



Climate Risk & Adaptation

- Health sector climate change scenario work underway. Te Whatu Ora represented in both Technical Working Group and Leadership Group. Output expected end February 2024
- Health National Adaptation Plan (HNAP) work is underway taking a joint health agency approach with Manatū Hauora Public Health Agency holding the pen. Interim HNAP expected by March 2024.
- Key infrastructure climate risk assessment completed. Risk mitigation and adaptation planning yet to commence.

Focus next quarter

- Confirm appointment of Head of Sustainability
- Reconfirm sustainability team into roles then advertise for vacancies to enable full sustainability team cohort
- Commence work in earnest on Emissions Reduction Plan
- Commence work on Key Performance Indicators/Critical Success Factors to embed into business case and project outcome activities
- Kick off Sustainability Advisory Panel
- Kick off Board Sustainability Committee



NORTHERN

REGIONAL OVERVIEW Key objectives and progress

Health System Decarbonisation

Goal: To reduce health system carbon emissions in line with a 1.5-degree scenario.

- Various Energy Transition Programme projects across the region including LED and boiler transition

Environment in all Practices

Goal: Realise co-benefits that include the environment alongside health, equity, social and economic values.

- Various waste programmes to be initiated in Waitematā
- Greening Starship project in collaboration with University of Auckland

Health System Resilience and Adaptation

Goal: To safeguard our health system by planning for and adapting to the impacts of climate change.

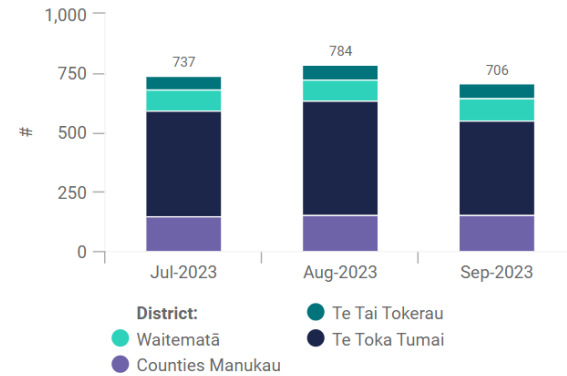
- This work programme is taking a national approach currently

Comments on data

Data improvements ongoing, specifically waste and electricity. Corrections on medical gas data may be required as data becomes more accurate.

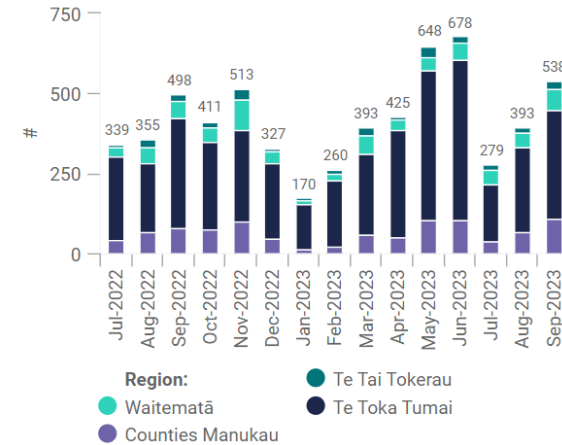
Waste

Waste Northern Tonnes



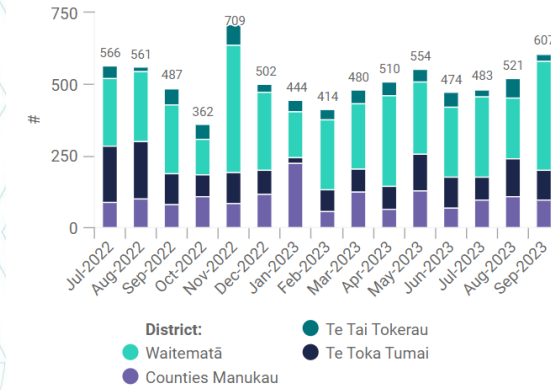
Staff Air Travel

Staff Air Travel via TMS Northern tCO2e



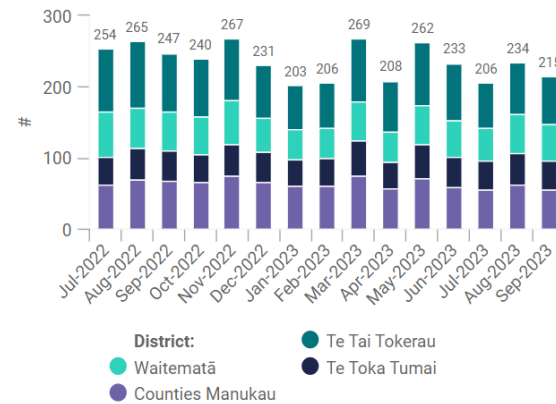
Medical Gases

Medical Gases Northern tCO2e



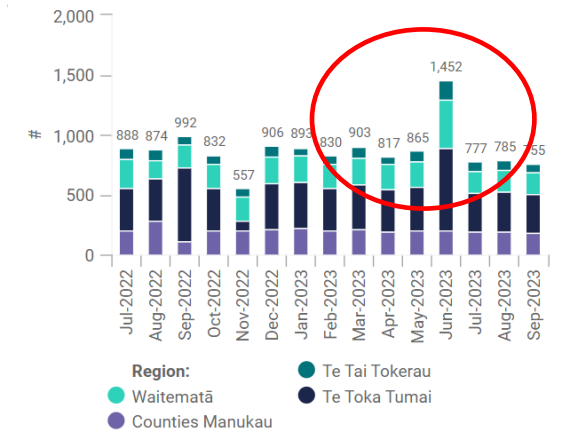
Fleet Fuels

Fleet Fuels Northern tCO2e



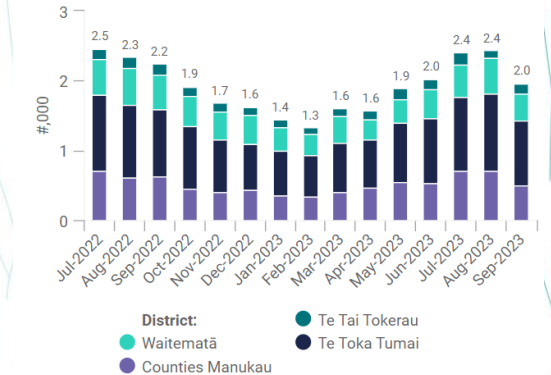
Electricity

Electricity Northern tCO2e



Natural Gas

Natural Gas - Northern tCO2e



REGIONAL OVERVIEW

Key objectives and progress

Health System Decarbonisation

Goal: To reduce health system carbon emissions in line with a 1.5-degree scenario.

- Various Energy Transition Programme projects across the region including LED and boiler transition

Environment in all Practices

Goal: Realise co-benefits that include the environment alongside health, equity, social and economic values.

- Successful Single Use Device recycling trial in perioperative at Tauranga Hospital
- Policy and process designed for Redundant medical device redistribution at Waikato Hospital

Health System Resilience and Adaptation

Goal: To safeguard our health system by planning for and adapting to the impacts of climate change.

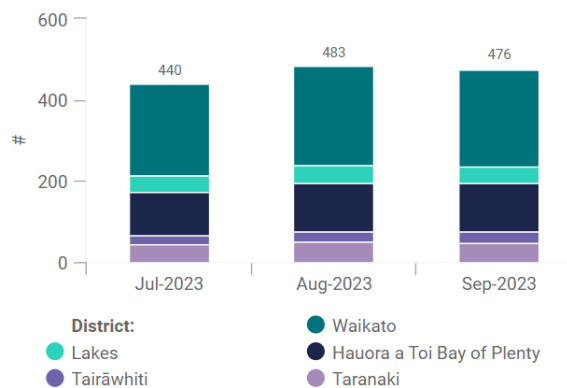
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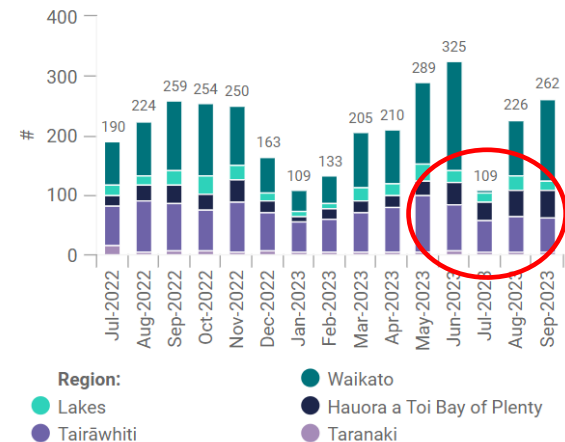
Waste

Waste Te Manawa Taki Tonnes



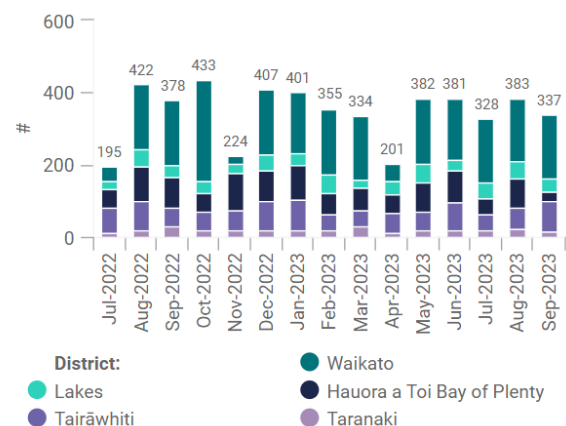
Staff Air Travel

Staff Air Travel via TMS Te Manawa Taki ...



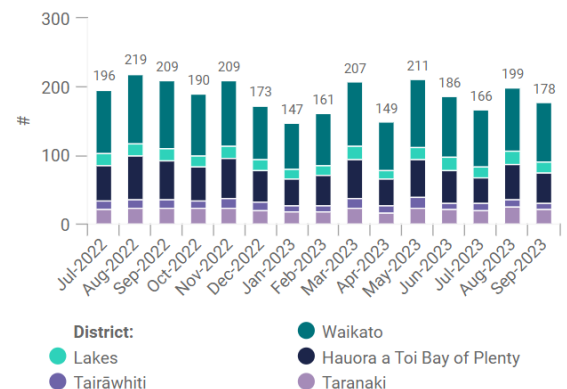
Medical Gases

Medical Gases Te Manawa Taki tCO2e



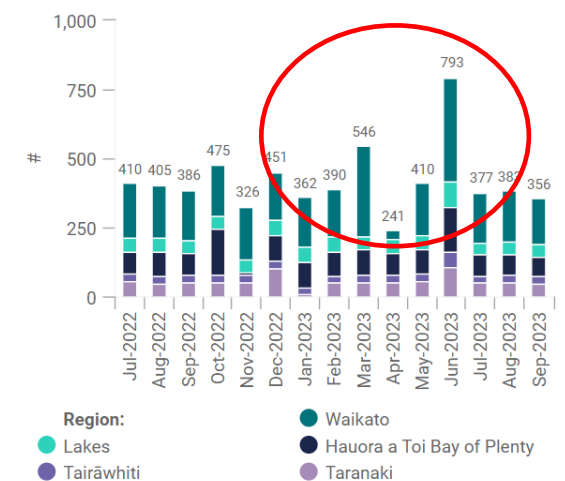
Fleet Fuels

Fleet Fuels Te Manawa Taki tCO2e



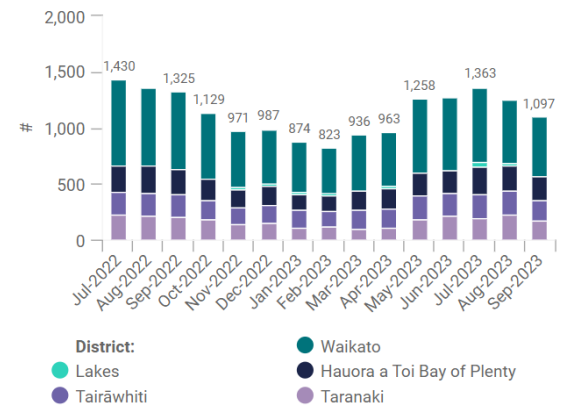
Electricity

Electricity Te Manawa Taki tCO2e



Natural Gas

Natural Gas - Te Manawa Taki tCO2e





CENTRAL

REGIONAL OVERVIEW

Key objectives and progress

Health System Decarbonisation

Goal: To reduce health system carbon emissions in line with a 1.5-degree scenario.

- Various Energy Transition Programme projects across the region including LED and boiler transition

Environment in all Practices

Goal: Realise co-benefits that include the environment alongside health, equity, social and economic values.

- Expansion of reusable precaution and theatre gowns programme at Palmerston North Hospital
- Expansion of instrument recycling (single use scissors and forceps) across the region
- Continuous improvement project for PVC recycling at Wellington Hospital in partnership with Theatre team

Health System Resilience and Adaptation

Goal: To safeguard our health system by planning for and adapting to the impacts of climate change.

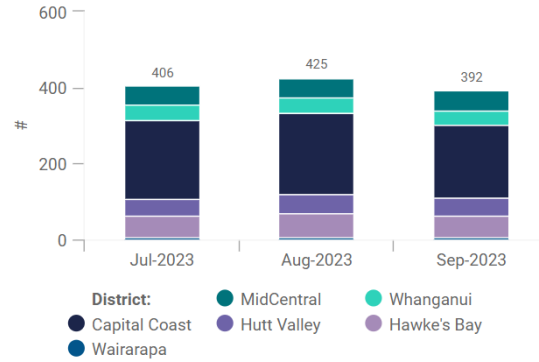
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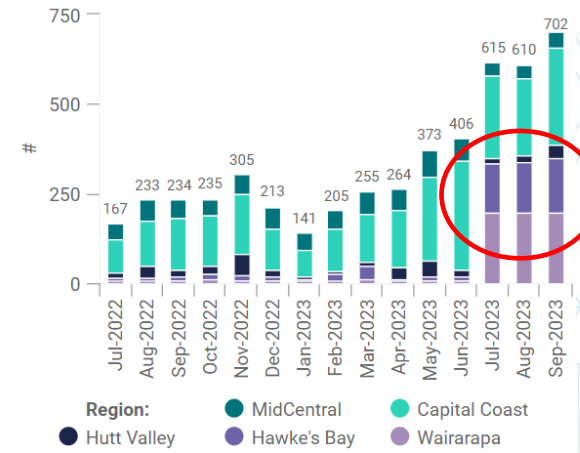
Waste

Waste Central Tonnes



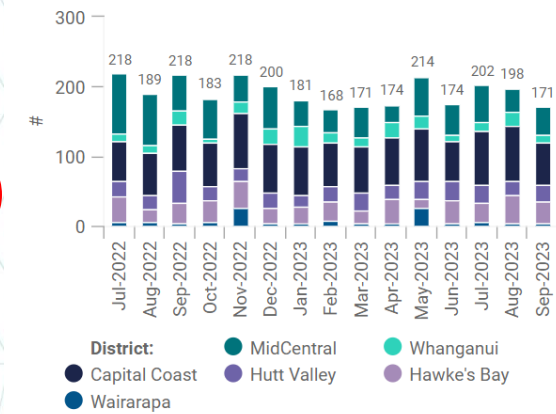
Staff Air Travel

Staff Air Travel via TMS Central tCO2e



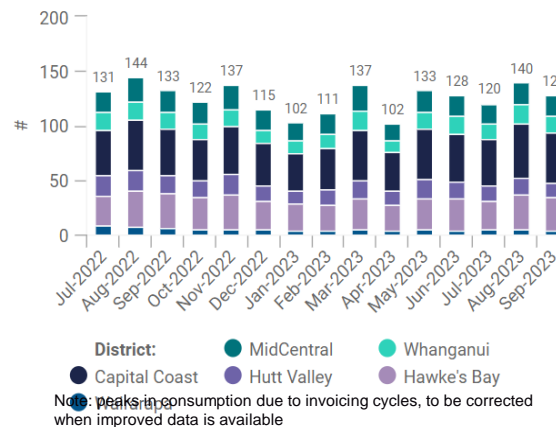
Medical Gases

Medical Gases Central tCO2e



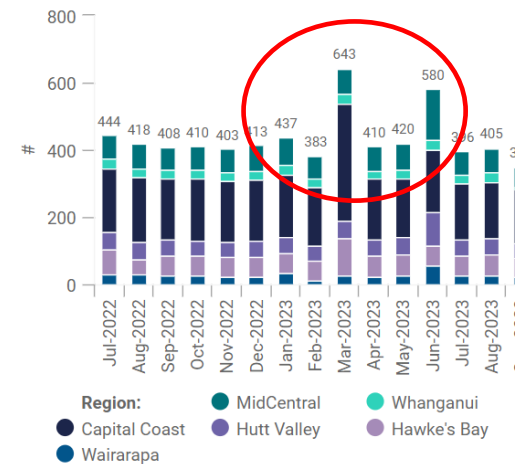
Fleet Fuels

Fleet Fuels Central tCO2e



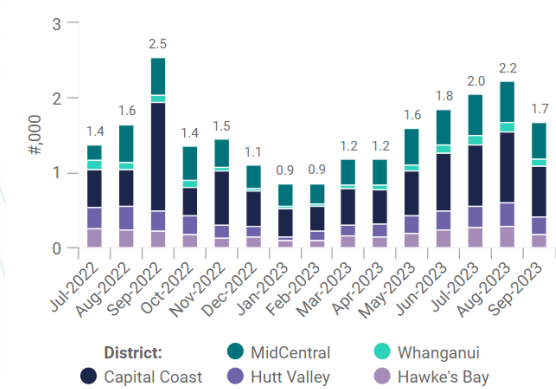
Electricity

Electricity Central tCO2e



Natural Gas

Natural Gas - Central tCO2e



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REGIONAL OVERVIEW

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Health System Decarbonisation

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- Various Energy Transition Programme projects across the region including LED and boiler transition
- Southland coal boiler conversion complete

Environment in all Practices

Goal: Realise co-benefits that include the environment alongside health, equity, social and economic values.

- Privacy curtains being recycled through Future Post via supplier (Kenco). Investigation on national application underway

Health System Resilience and Adaptation

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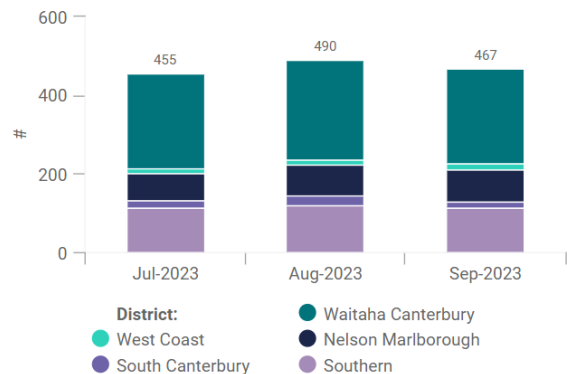
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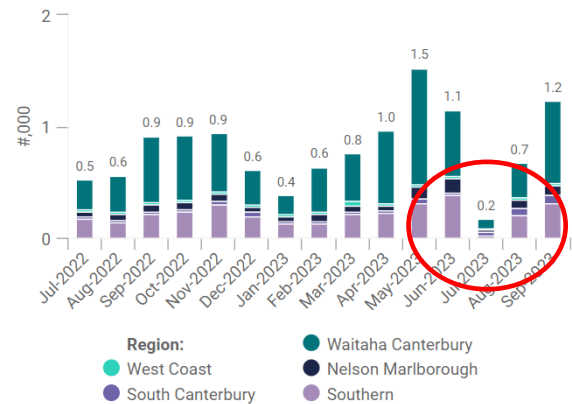
Waste

Waste Te Waipounamu Tonnes



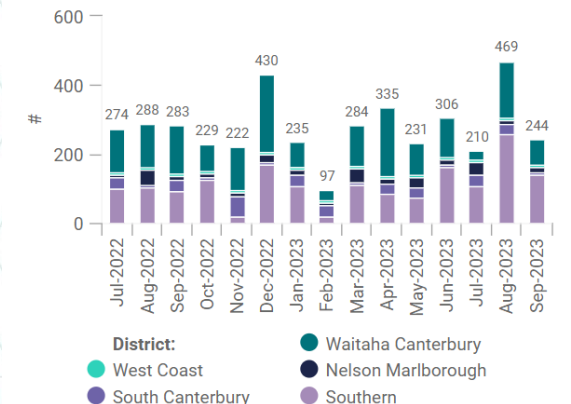
Staff Air Travel

Staff Air Travel via TMS Te Waipounamu ...



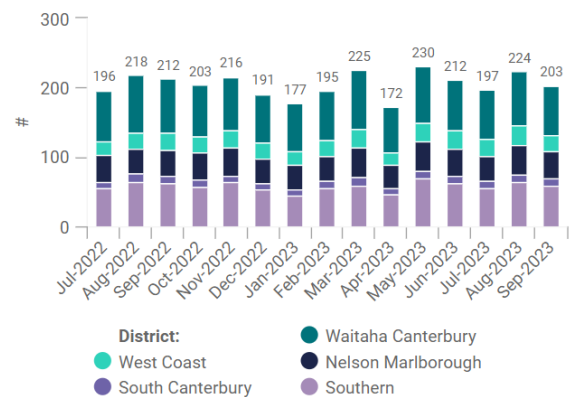
Medical Gases

Medical Gases Te Waipounamu tCO2e



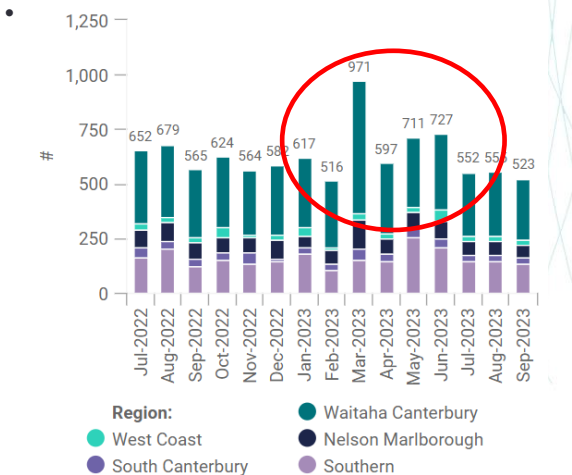
Fleet Fuels

Fleet Fuels Te Waipounamu tCO2e



Electricity

Electricity Te Waipounamu tCO2e



Coal

Coal Te Waipounamu tCO2e

