

Sustainability Report

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

Regional Summaries

Northern

15% reduction in Staff Air Travel and Electricity emissions. Other emission sources continue a steady decline.

Te Manawa Taki

25% reductions in staff air travel emissions. Other emission sources continue a steady decline.

Central

30% reductions in staff air travel emission. Other emission sources continue a steady decline.

Te Waipounamu

20% reduction in Coal-based emissions. Other emission sources continue a steady decline.

Health New Zealand | Te Whatu Ora

Sustainability Performance Summary

National greenhouse gas emissions continued a steady reduction trajectory for the year, and key emission sources were down in the quarter. Health New Zealand | Te Whatu Ora has reduced 14% of its measured emissions from the 2022/23 baseline.

Coal-based emissions show a large reduction (60%), as more coal-replacement infrastructure projects came online. The Energy Transition Programme and other coal boiler conversion projects are key to support Health NZ emissions reductions.

Fleet fuel emissions have declined by 10% compared to the same quarter in the previous year. The Fleet Transition Programme supports the reduction of transport-based emissions for Health NZ. Fleet transition continued at a slow pace, with 58 vehicles brought online this quarter.

Medical gases emissions were down by close to 10% for the quarter compared to the same quarter the previous year.

Waste metrics have not changed significantly. However, some projects have shown Health NZ's unique contributions to waste minimisation and circular economy.

- Wellington Regional Hospital was featured in the news for their innovative use of SCOBY, a byproduct of kombucha fermentation as a replacement for synthetic tissue for anesthetists to train intubation techniques.

NATIONAL OVERVIEW

Key objectives and progress

Health System Decarbonisation

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

Coal Boiler Conversions:

- 1 project in service
- 1 Project completed
- 3 Projects in flight
- 3 projects in design, development or detailing

Energy Transition Programme:

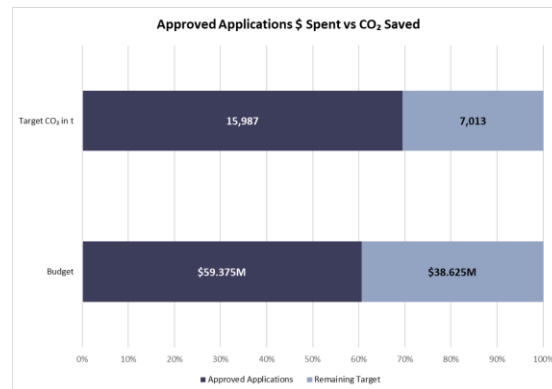
- ~45 projects approved (details in regional update)

Environment in all Practices

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

Focus in this quarter was confirming sustainability is part of the development of national policies and strategies in Procurement and Supply Chain.

Energy Transition



▲ \$5M funding approved this Q

Hospital sites using coal:



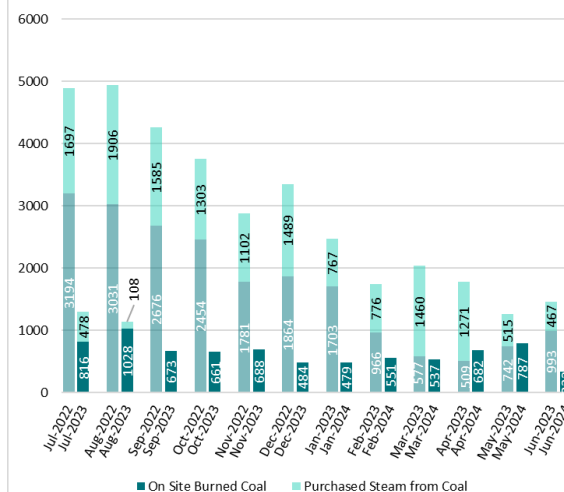
9
1 July 22

3
This Q

1▼
Change this Q

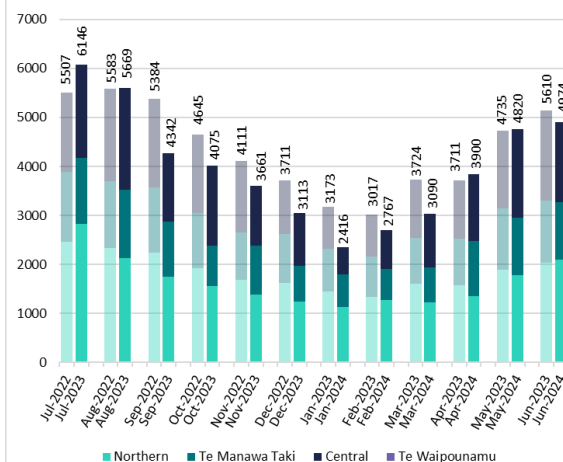
Coal

Coal and Steam from Coal tCO₂e

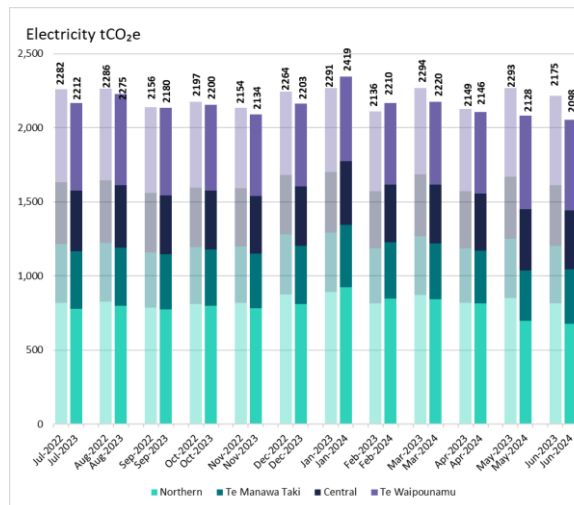


Natural Gas

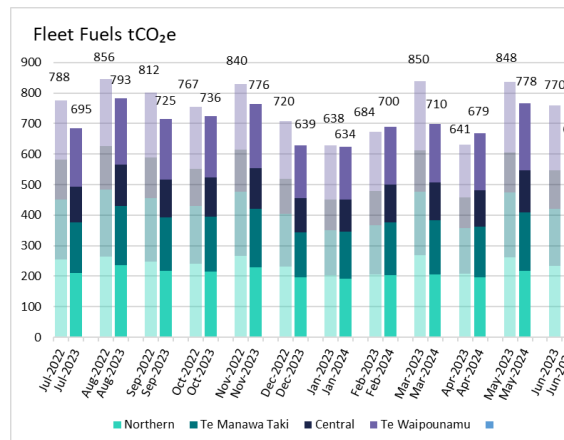
Natural Gas tCO₂e



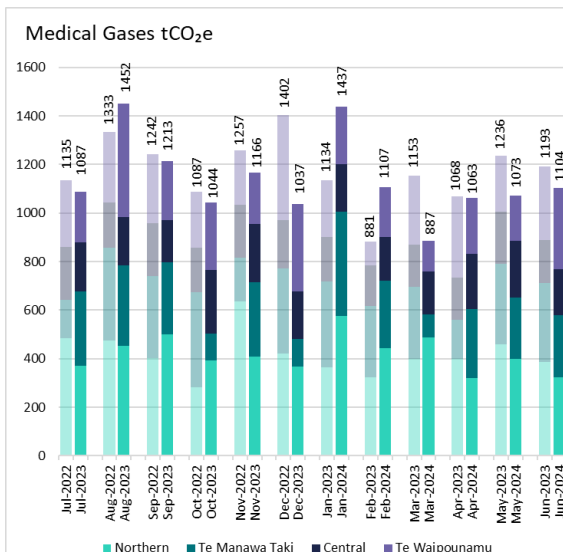
Electricity



Fleet Fuels



Medical Gases



NATIONAL OVERVIEW

Key objectives and progress

Health System Resilience and Adaptation

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

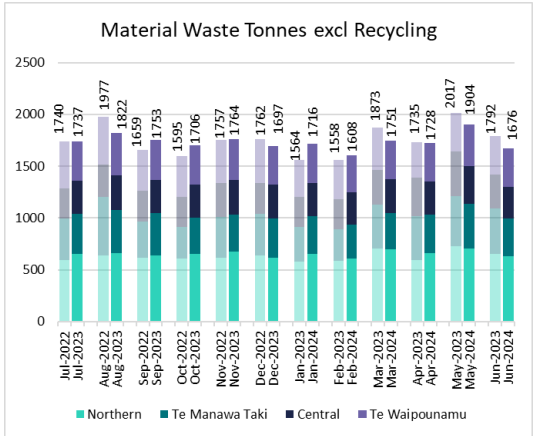
Risks and barriers

More national consistency needed on availability of waste streams that avoid landfill.

Solutions and mitigations

FY24/25 focus on mapping, scaling and spreading improved waste processes and disposal methods.

Waste volumes



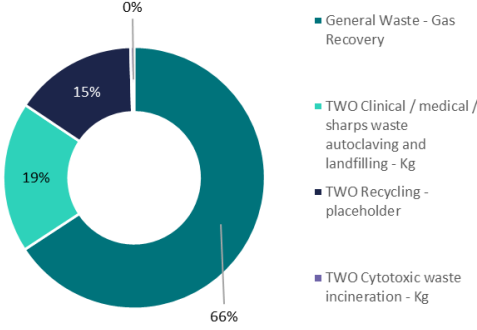
Waste per Bed Day: total average *



Q4: 6.8 kg/bed/day
Q3: 6.7 kg/bed/day
Q2: 6.8 kg/bed/day
Q1: 6.7 kg/bed/day

Waste type

Breakdown of Waste - YTD



Waste per Bed Day in Q4

Northern	7.2 kg	Te Manawa Taki	7.4 kg
Central	5.3 kg	Te Waipounamu	6.9 kg

Key Circular Economy projects

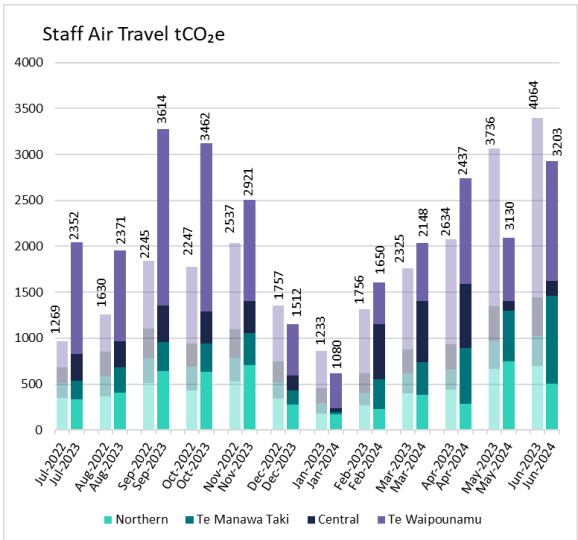
- Working with multiple suppliers for improved supplier-led return and reuse/reprocessing initiatives.

Fleet Transition



758 BEVs ▲ 58 17%
total new this Q of fleet
TOTAL FLEET 4439 Change this Q ▲ 0

Staff Air Travel



Climate Risk & Adaptation

- 'Climate change scenarios for the health sector' were jointly developed and released May 2024.
- Risk mitigation and adaptation planning, including scenario analysis yet to commence.

Focus next quarter

- Emissions Reduction Plan in development with internal engagement.
- Confirming key work areas and priorities for FY24/25.

* **Note on waste data:** We have updated the methodology for calculating Waste per Bed Day KPI. The new methodology excludes recycling. The Q1 and Q2 results of this metric have been revised with the same methodology for comparison.



NORTHERN

REGIONAL OVERVIEW

Key objectives and progress

Health System Decarbonisation

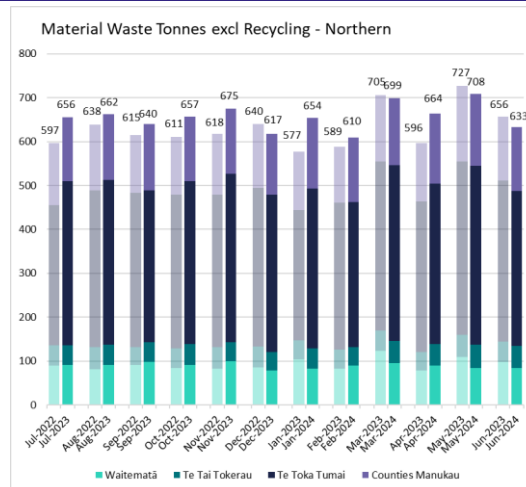
Goal: To reduce health system carbon emissions in line with a 1.5-degree scenario.

10 Energy Transition projects in flight

Comments on data

Data improvements completed for electricity and air travel. Waste per bed day KPI improved, historical period comparison completed.

Waste



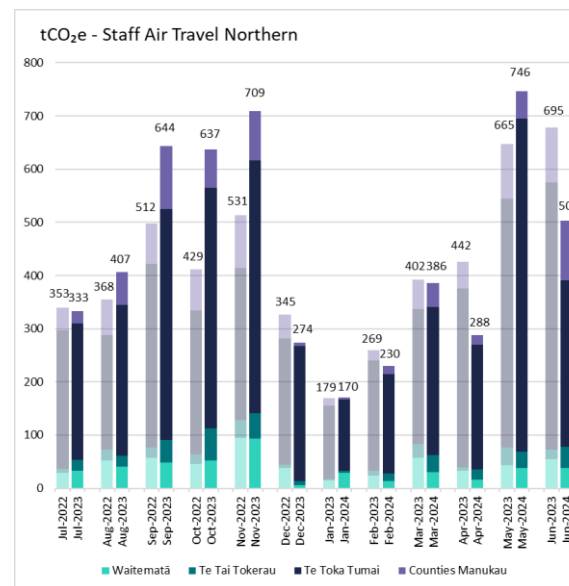
Waste per Bed Day:



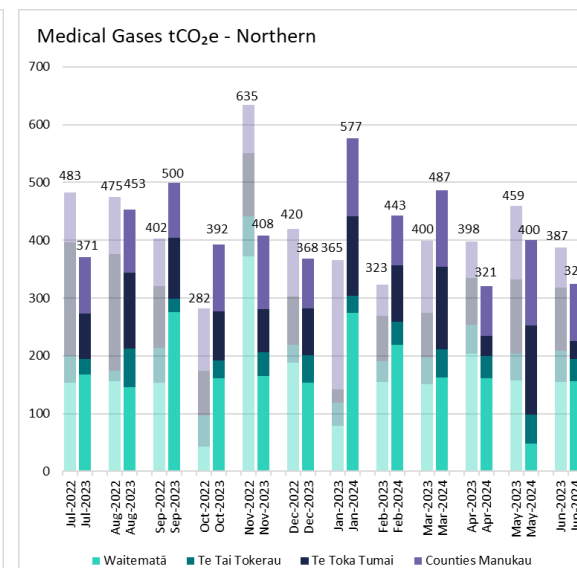
Q4 period
7.2

kg/bed/day

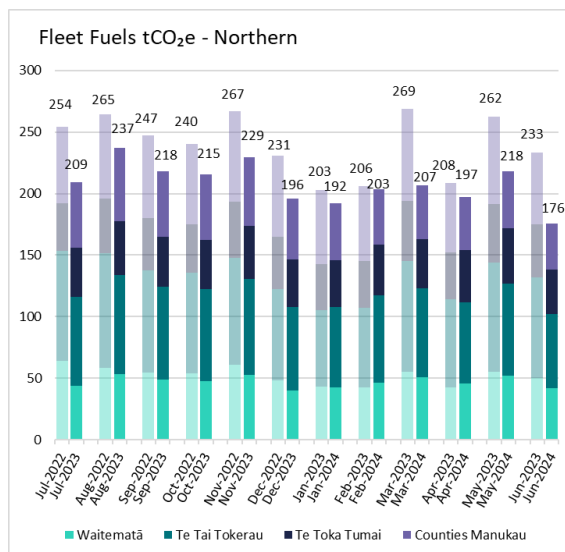
Staff Air Travel



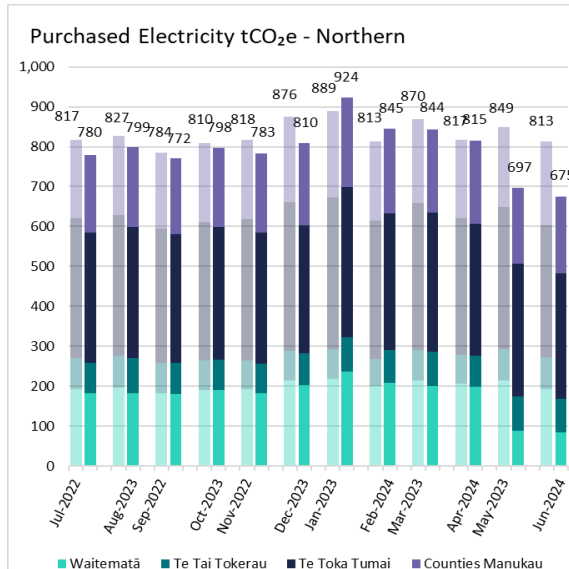
Medical Gases



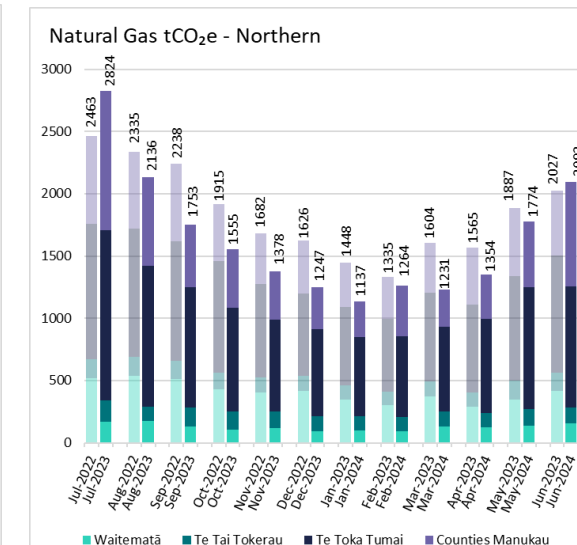
Fleet Fuels



Electricity



Natural Gas





TE MANAWA TAKI

REGIONAL OVERVIEW

Key objectives and progress

Health System Decarbonisation

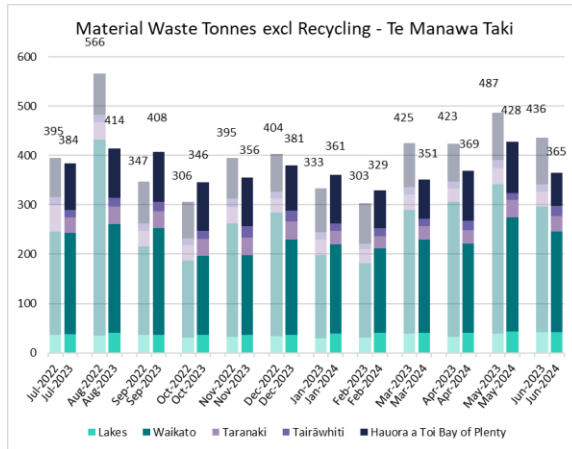
Goal: To reduce health system carbon emissions in line with a 1.5-degree scenario.

7 Energy Transition projects in flight

Comments on data

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Waste



Waste per Bed Day:

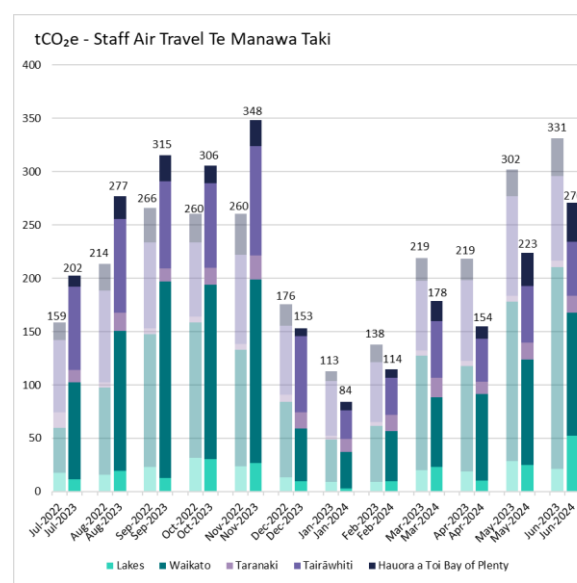


Q4 period

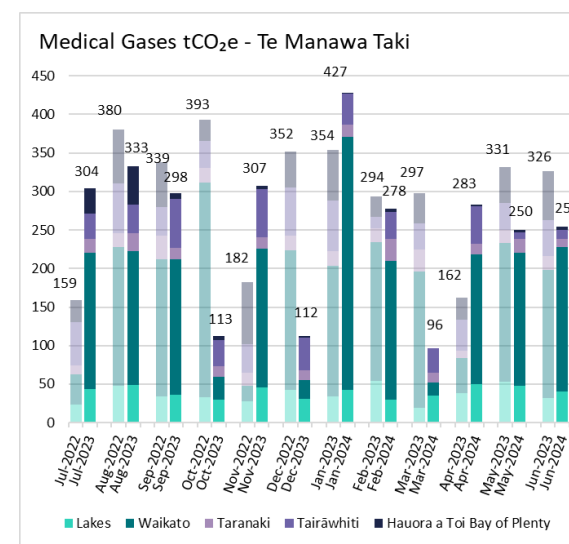
7.4

kg/bed/day

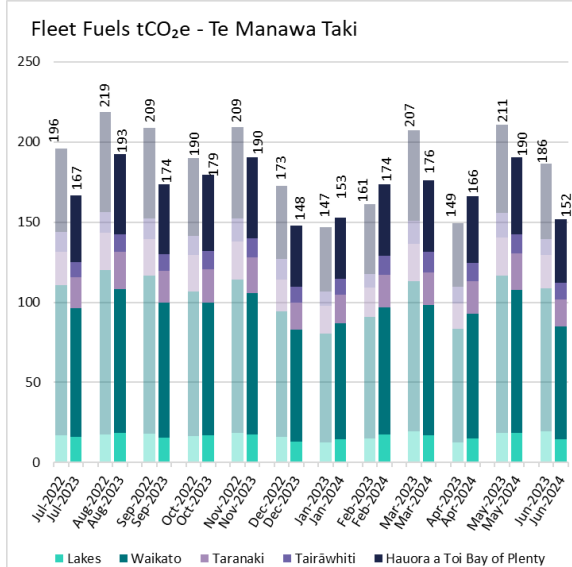
Staff Air Travel



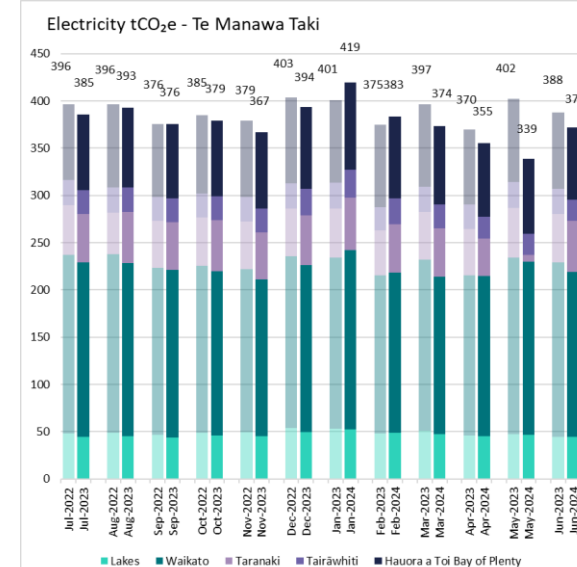
Medical Gases



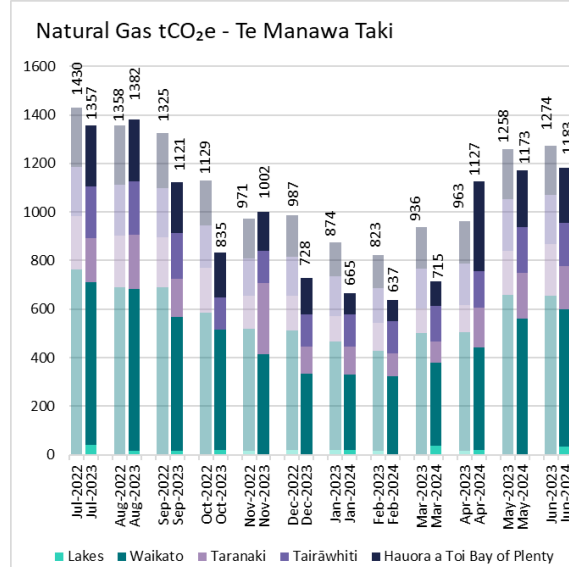
Fleet Fuels



Electricity



Natural Gas





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.

10 Energy Transition projects in flight

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

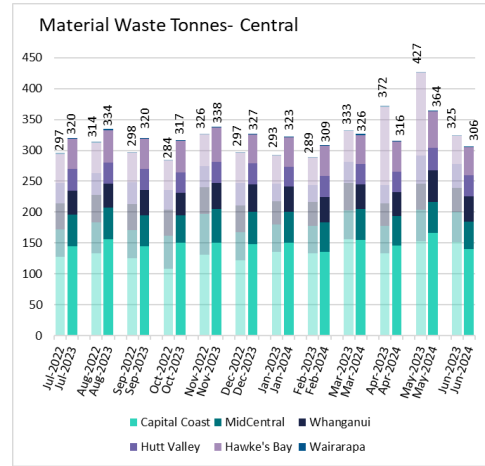
- Trial of reusable 'blueys' bed pads started in Hawkes Bay.

- Capital & Coast switch to use SCOBY (reusable byproduct of kombucha fermentation) tissue for anaesthetic intubation training, replacing more expensive synthetic products.

Comments on data

Data improvements completed for electricity and air travel. Waste per bed day KPI improved, historical period comparison completed.

Waste



Waste per Bed Day:

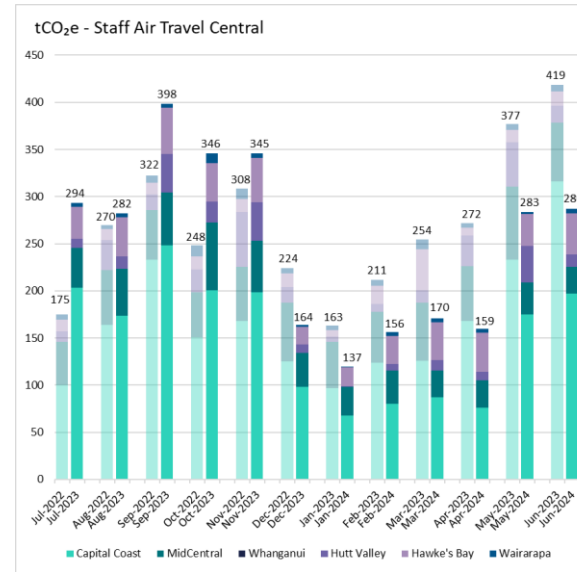


Q4 period

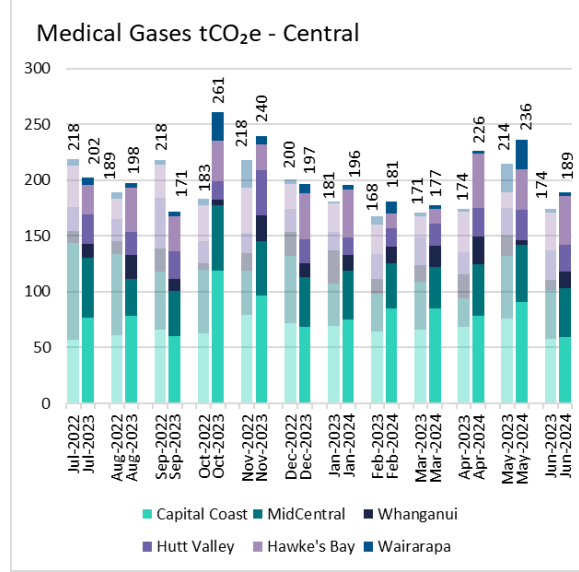
5.3

kg/bed/day

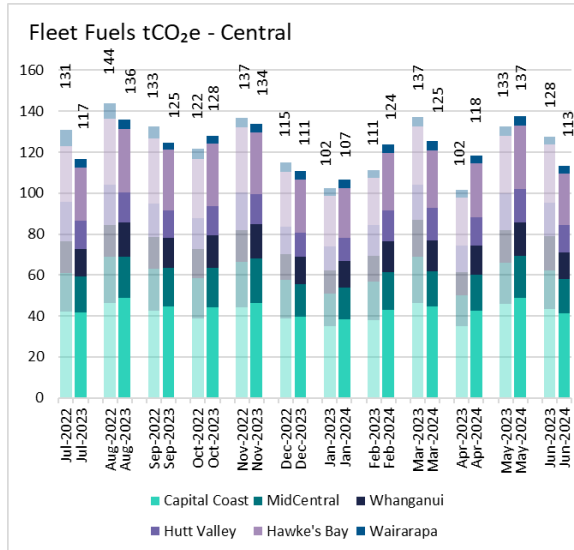
Staff Air Travel



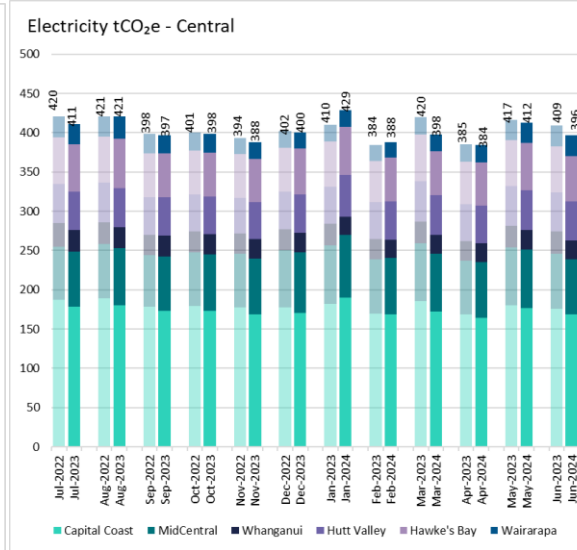
Medical Gases



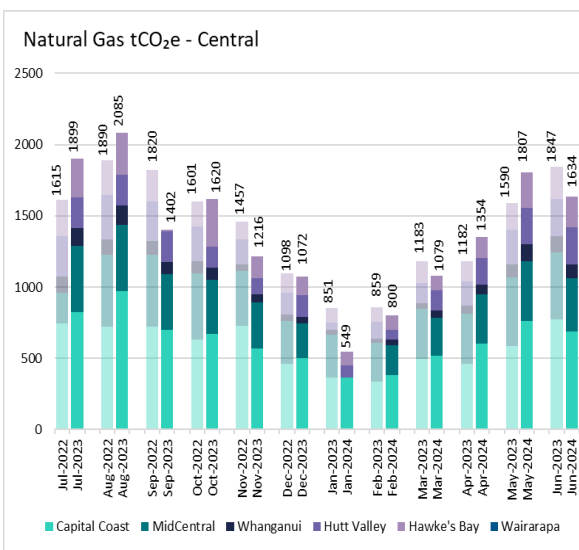
Fleet Fuels



Electricity



Natural Gas



REGIONAL OVERVIEW

Key objectives and progress

Health System Decarbonisation

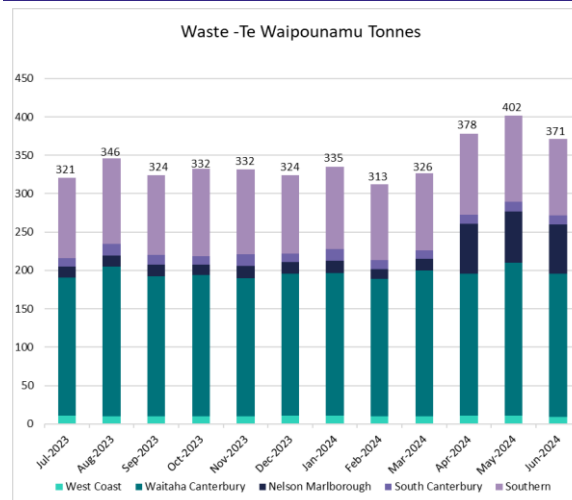
Goal: To reduce health system carbon emissions in line with a 1.5-degree scenario.

– Ashburton. New ground source heat pump commissioned to replace existing coal boilers, reducing emissions by 2,400 tonnes of CO₂e.

Comments on air travel

Outlier attributed to increased travel post-COVID and recruitment of medical professionals from abroad

Waste



Waste per Bed Day:

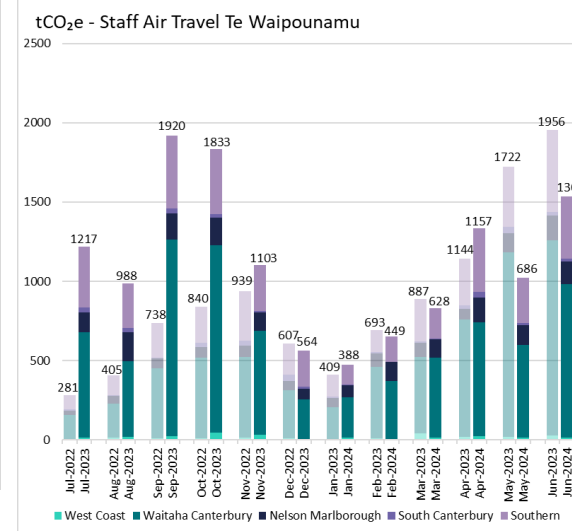


Q4 period

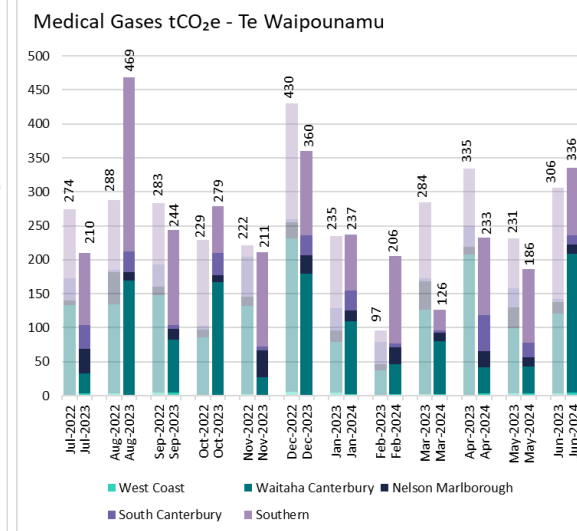
6.9

kg/bed/day

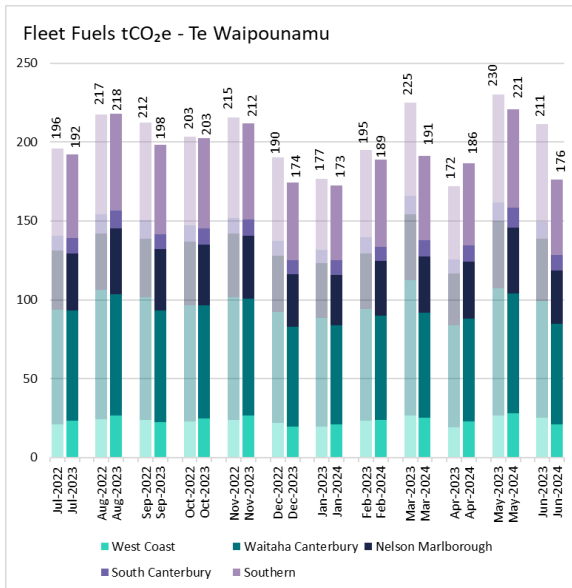
Staff Air Travel



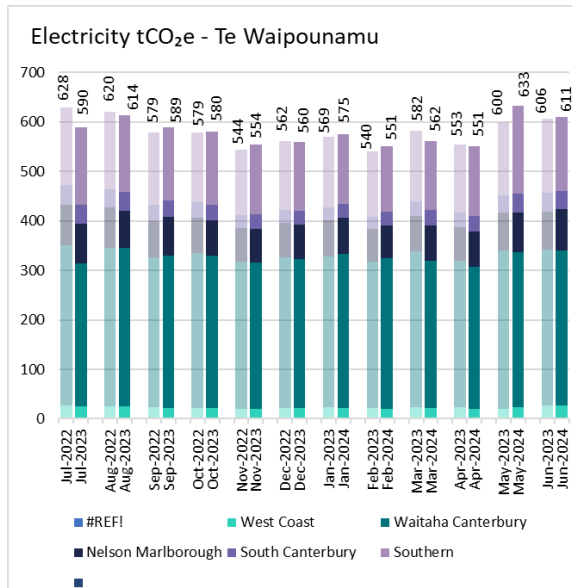
Medical Gases



Fleet Fuels



Electricity



Coal

