



SUMMARY OF TOITŪ CARBONREDUCE CERTIFICATION COUNTIES MANUKAU HEALTH'S MIDDLEMORE HOSPITAL AND MANUKAU HEALTH PARK

Year 3 of 3-year certificate period



Counties Manukau Health's Middlemore Hospital and Manukau Health Park sites meet the requirements of Toitū carbonreduce certification having measured their greenhouse gas emissions in accordance with the requirements of ISO 14064-1:2006 and committed to managing and reducing their emissions in respect of the operational activities of their organisations.

CM Health is a major provider of both community- based and secondary health care services to the estimated 520,130 people residing in the Counties Manukau district. Counties Manukau District Health Board is New Zealand's fast growing multicultural area, and is also home to more new immigrants than any other region. This inventory provides historical evidence of CM Health's participation in the Toitū carbonreduce for the past 8 years.

CM Health operated services are delivered at 7 in-patient facilities and a number of community outpatient sites and community health sites across the District. The Middlemore Hospital and Manukau Health Park (comprising the SuperClinic and Surgery Centre) contain the largest elective, ambulatory and inpatient facilities.

There are 1,000 beds across these facilities, and the services discharge in excess of 115,000 people per annum (across acute, surgical, mental health, maternity and health of older people/ rehab), with Emergency Care seeing over 100,000 people per annum. There are also over 80,000 outpatient first appointments, and 215,000 follow-up events each year.

The organisation is one of the largest of New Zealand's District Health Boards and a significantly large employer in the Counties Manukau district, providing jobs for over 8,000 people across the region, 5,500 FTE. Counties Manukau Health employs over 1,200 Medical personnel, over 4,500 Nursing staff (Registered and HCA), and over 3,000 Allied Health, support and technical Staff covering all specialty areas within our various sites. More information can be found on the website: www.cmdhb.org.nz

EMISSIONS SUMMARY ¹

Counties Manukau Health's emissions for this year (01 July 2019 to 30 June 2020) were 11,425.85 tCO₂e. The operational GHG emission sources included in this inventory are shown in Figure 1 below.

¹ **Disclaimer:** This Disclosure Statement is a summary of the verified information considered for certification and the certification decision. It should not be taken to represent the full submission for certification. Whilst every effort has been made to ensure

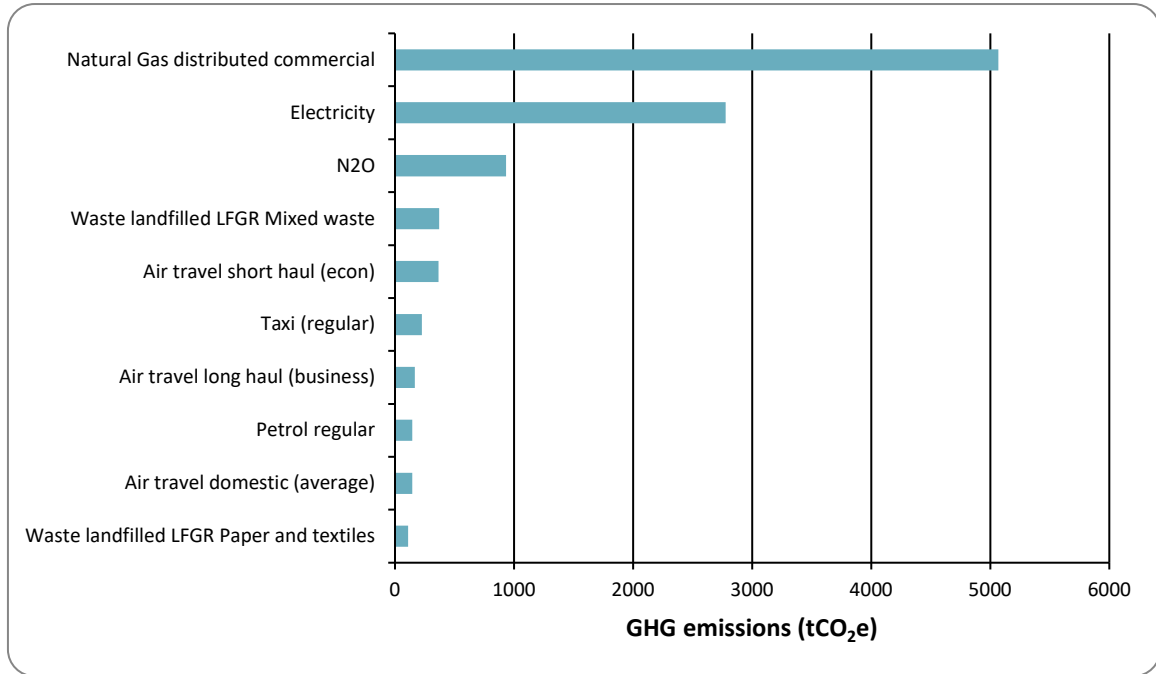


Figure 1: GHG emissions by emissions source

Emissions as tonnes of carbon dioxide equivalents (tCO₂e) for this period were:

Scope	tCO ₂ e
Scope 1	6,360.98
Scope 2	2,776.19
Scope 3 Mandatory	2,209.64
Scope 3 Additional	79.06
Scope 3 One time	0.00
Total gross emissions	11,425.85

EMISSIONS REDUCTIONS

To reduce its emissions, Counties Manukau Health has developed a GHG emissions management plan and reduction targets. Some of these plans include:

- Investigate opportunities to reduce air travel
- Reduced volume of waste sent to landfill
- Net reduction purchased electricity emissions
- Net reduction purchased gas emissions
- Investigate opportunities to office paper consumption

that the information in this Disclosure Statement is accurate and complete, Enviro-Mark Solutions Limited (trading as Toitū Envirocare) does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

The organisation is committed to reducing annual relative emissions by a minimum of 2% per annum. We surpassed our achievement of a 20% reduction last year and have set a new target of reaching carbon neutrality by 2050.

Metrics to measure performance include-

- Patient activity data
- Floor area
- Full time equivalent employee

This is the 9th year of reporting under the Toitū carbonreduce programme. An absolute reduction in Scope 1 and 2 emissions of 1,828.70 tCO₂e has been achieved against base year. A reduction in emissions intensity (for Scope 1, 2 and mandatory Scope 3 emissions) of 10.09 tCO₂e/\$M has been achieved based upon a 5-year rolling average, adjusted for inflation.

EMISSIONS BOUNDARIES

This chart shows the total number of leased and owned sites and was provided in February 2021. Two of the busiest and largest sites have been included in this report, Middlemore Hospital and Manukau Super Clinic and Elective Surgery Hospital (Manukau Health Park). These sites have been marked by a black box on the map.

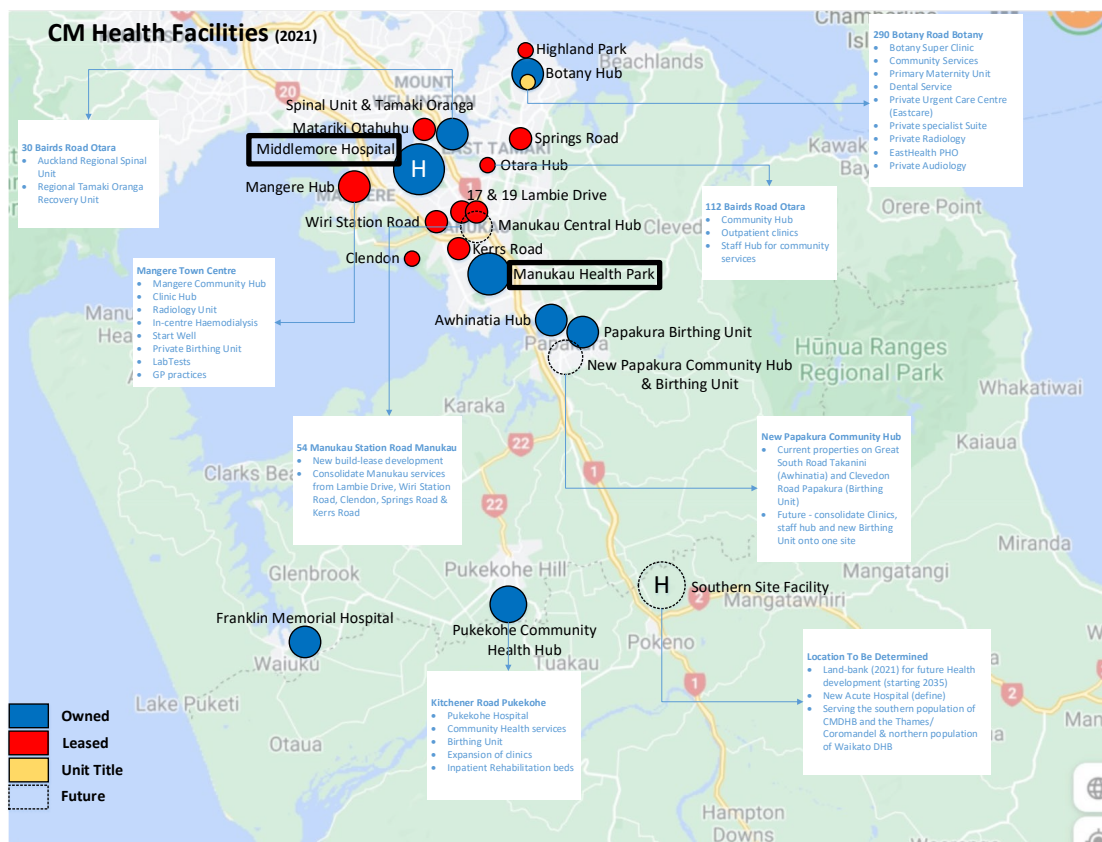


Figure 2: Organisational structure showing business units included and excluded

An operational control consolidation approach was used to account for emissions. This is with reference to the methodology described in the GHG Protocol and ISO 14064-1:2006 standards.

The following emissions sources were excluded from the inventory for this measurement period:

GHG emissions source	GHG emissions level scope	Reason for exclusion
R134A	Scope 1	<i>De minimis</i>
Staff commuting to and from work	Scope 3 additional	Data is unavailable
Postage and couriers	Scope 3 mandatory	Couriers are shared regionally and therefore it is difficult to capture this data. It is estimated that 98% of our mail packages are less than 2kg.
Specimens and sample collections	Scope 3 mandatory	CM Health has regional contracts for courier services, frequent deliveries with very small volume. This service is often shared with Auckland DHB and Waitemata DHB so assessment for sole CMDHB activity is difficult.
Freight services	Scope 3 mandatory	Contracted by the supplier and is mostly Free Into Store (FIS)
Contracted services	Scope 3 additional	Services such as cleaners and laundry service excluded as these are contracted out
Rental cars	Scope 3 mandatory	An initial estimate was conducted during the verification and showed that emissions from rental cars use only account for approximately 10 tonnes of CO ₂ e and is therefore less than 1% and not material to the total inventory
Reimbursement of personal vehicle use	Scope 3 mandatory	<i>De minimis</i>
Refrigerant holdings in domestic heat pumps	Scope 3 mandatory	200 plus domestic size heat pumps, these units are all deemed to be less than 3kg of refrigerant holdings.
Wastewater	Scope 3 mandatory	Emissions from wastewater only account for less than 1% of the total inventory therefore excluded

Excluded emissions do not exceed 5% of the total footprint within the organisation boundary stated.

CERTIFICATE DETAILS

Certification status – Toitū carbonreduce certified organisation

Certificate number – 2018102J, Year 3 of 3-year certificate period

Valid until – 23 November 2021

Measurement period – 01 July 2019 to 30 June 2020

Base year – 01 July 2011 to 30 June 2012

Verified by – Enviro-Mark Solutions Limited

Level of assurance – Reasonable

Data quality score – High

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