



# Summary of CEMARS certification

## Counties Manukau District Health Board

Year 3 of 3 year certificate

period

*Counties Manukau District Health Board's Middlemore Hospital and Manukau Health Park sites meet the requirements of CEMARS® certification having measured its greenhouse gas emissions in accordance with the requirements of ISO 14064-1:2006 and committed to managing and reducing its emissions in respect of the operational activities of the Middlemore Hospital and Manukau Health Park.*



**Introduction<sup>1</sup>** – 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 Health is New Zealand's fast growing multicultural area, and is also home to more new immigrants than any other region.

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 7,000 people across the region, 5,700 FTE. Counties Manukau Health employs over 400 Senior Medical Officers and over 480 medical trainees covering most specialty areas working within our various sites. Counties Manukau employs over 2,500 Nursing staff (Registered and HCA), and over 1,000 Allied Health and Technical Staff.

**Boundary** – Figure 1 shows what has been included in the context of the entire organisational profile. The parts of the structure (business units) in green have been identified as being within this emissions inventory. The parts of the structure (business units) in blue have been identified as being excluded from the inventory. The percentage figures indicate the level of ownership by the entity undergoing certification.

---

<sup>1</sup> **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 that the information in this Disclosure Statement is accurate and complete, Enviro-Mark Solutions Limited does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

# Summary of CEMARS certification

Counties Manukau District Health Board  
period

Year 3 of 3 year certificate

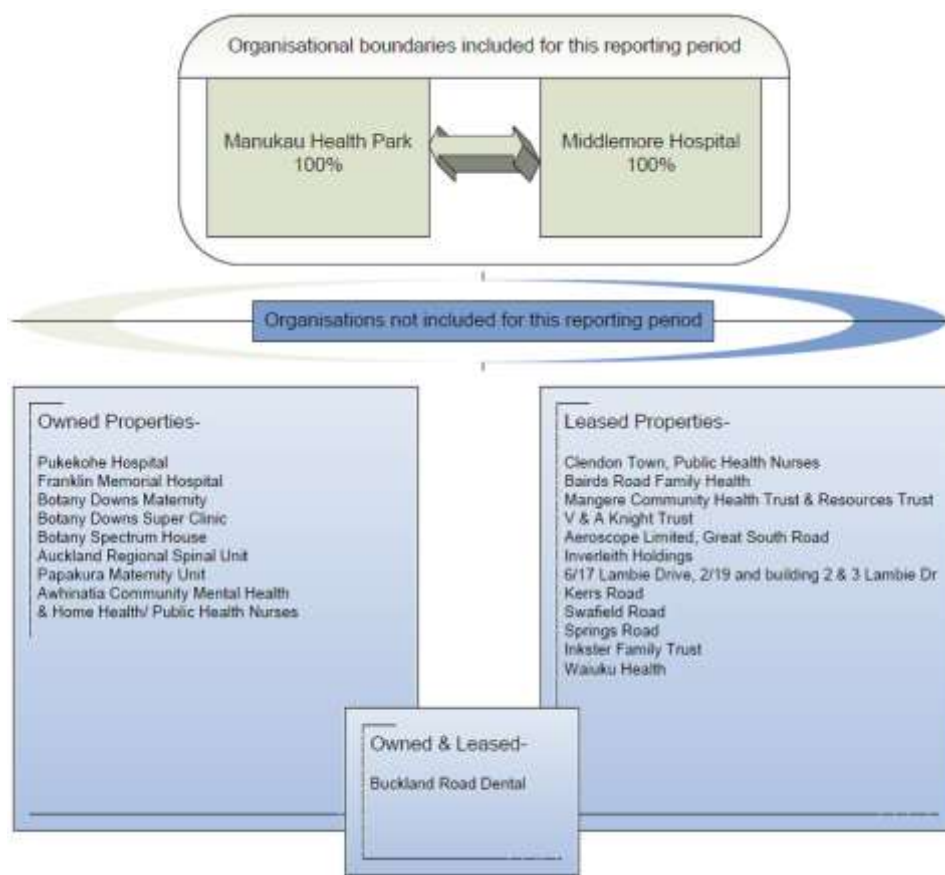


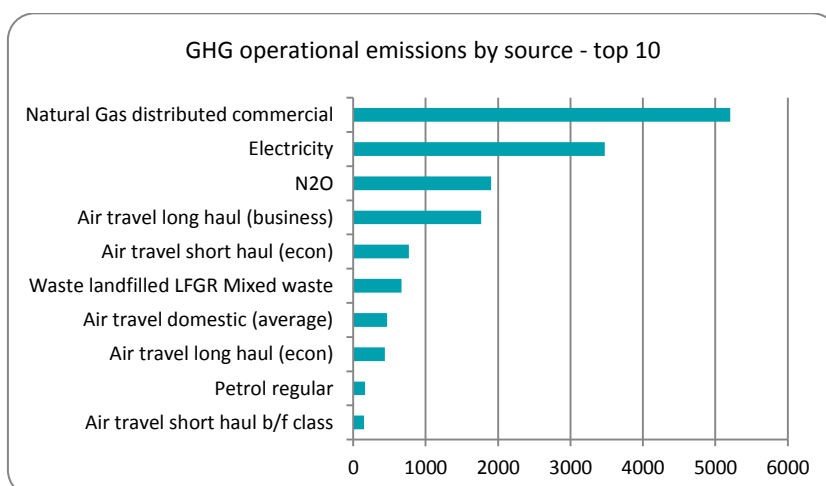
Figure 1: Organisational structure showing business units included and excluded.

**Consolidation approach** – The operational control consolidation approach has been used to account for operational emissions with reference to the methodology described in the GHG Protocol and ISO 14064-1:2006 standards.

**Base year** – 01/07/2011 to 30/06/2012

**Measurement period** – 01/07/2016 to 30/06/2017

**Emissions source inclusions** – The operational GHG emissions for the organisation by emissions source are shown in Figure 2 below.





# Summary of CEMARS certification

Counties Manukau District Health Board

Year 3 of 3 year certificate

period

**Figure 2:** GHG emissions by emissions source (tCO<sub>2</sub>e).

Emissions as tonnes of carbon dioxide equivalents (tCO<sub>2</sub>e) for this period were:

Emissions summary by scopes		Units
<b>Scope 1 total</b>	<b>7,472.25</b>	<b>tCO<sub>2</sub>e</b>
<b>Scope 2 total</b>	<b>3,475.55</b>	<b>tCO<sub>2</sub>e</b>
<b>Scope 3 total</b>	<b>4,534.83</b>	<b>tCO<sub>2</sub>e</b>
Mandatory scope 3	4,404.06	tCO <sub>2</sub> e
Additional scope 3	130.77	tCO <sub>2</sub> e
One-time scope 3	0.00	tCO <sub>2</sub> e
<b>Total inventory:</b>	<b>15,482.63</b>	<b>tCO<sub>2</sub>e</b>

**Emissions source exclusions** – 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	<i>de minimis</i>
Specimens and sample collections	Scope 3 mandatory	Regional contracts for the courier service, frequent deliveries yet very small volume. This service is often shared with Auckland DHB and Waitemata DHB so is difficult to assess total activity for CMDHB.
Freight services	Scope 3 mandatory	Contracted by the supplier and is mostly Free Into Store (FIS)
Contracted services	Scope 3	Services such as cleaners and laundry service excluded due to being contracted out
Taxi travel	Scope 3	Initial estimate was conducted during the verification and showed that emissions from taxi use only account for 34.7tCO <sub>2</sub> e and is therefore less than 1% of the total inventory
Rental cars	Scope 3	An initial estimate was conducted during the verification and showed that emissions from rental cars use only account for approximately 10 tonnes of CO <sub>2</sub> e and is therefore less than 1% and not material to the total inventory
Reimbursement of personal vehicle use	Scope 3	<i>de minimis</i>
Refrigerant holdings in domestic heat pumps	Scope 3	200 domestic size heat pumps and these units are all deemed to be less than 3kg of refrigerant holdings
Waste water	Scope 3	Emissions from waste water only account for less than 1% of the total inventory therefore excluded

**Emissions reduction commitments** – A GHG emissions management plan and reduction targets have been developed. The organisation is committed to reducing annual relative emissions by a 2% per annum to achieve a total 10% by 2017, the fifth year in the programme. We chose a relative target in the first year, and will undertake an annual review of targets as part of the strategic planning process to identify potential new relative targets, plus an absolute target to be achieved within 5 years from the baseline.



# Summary of CEMARS certification

Counties Manukau District Health Board

Year 3 of 3 year certificate

period

Projects to manage emissions include:

Objective	Actions
Reduce energy bills	<ul style="list-style-type: none"> <li>• Energy efficient design of new Capital Projects, including building, equipment, plant and system design</li> <li>• Economic retrofitting / replacing of existing plant and equipment with energy efficient items</li> <li>• Use energy efficient lighting</li> <li>• Utilise a computer sleep system</li> </ul>
Reduce amounts of waste going to landfill	<ul style="list-style-type: none"> <li>• Organisational recycling</li> <li>• Education re waste streams</li> <li>• Food composting</li> </ul>

**Emissions reductions summary against last year’s plan** – This is the 6<sup>th</sup> year of reporting under CEMARS programme. An absolute decrease in Scope 1 and 2 emissions of 18.06 tCO<sub>2</sub>e has occurred against base year. A reduction in emissions intensity (for Scope 1, 2 and mandatory Scope 3 emissions) of 5.22 tCO<sub>2</sub>e/\$M has been achieved; based upon a 5 year rolling average (adjusted for inflation).

**Verified by** – Enviro-Mark Solutions Limited

**Data quality score** – High

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

**Level of assurance** – Reasonable Scope 1 & 2, Limited mandatory Scope 3

**Certification status** – CEMARS certified organisation

**Certificate number** – 2015110J, Year 3 of 3 year certificate period

**Valid until** – 31 December 2018, extended

Counties Manukau District Health Board Offices: 19 Lambie Drive, Manukau, Auckland 2104.  
Telephone: +64 09-262 9500. Email: Debbie.Wilson@middlemore.co.nz Web: www.cmdhb.org.nz