



Summary of CEMARS certification

Counties Manukau Health

Year 1 of 3 year certificate period

Counties Manukau Health'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.



Introduction¹ – Counties Manukau Health (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. CM 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 422 FTE 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.

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 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.

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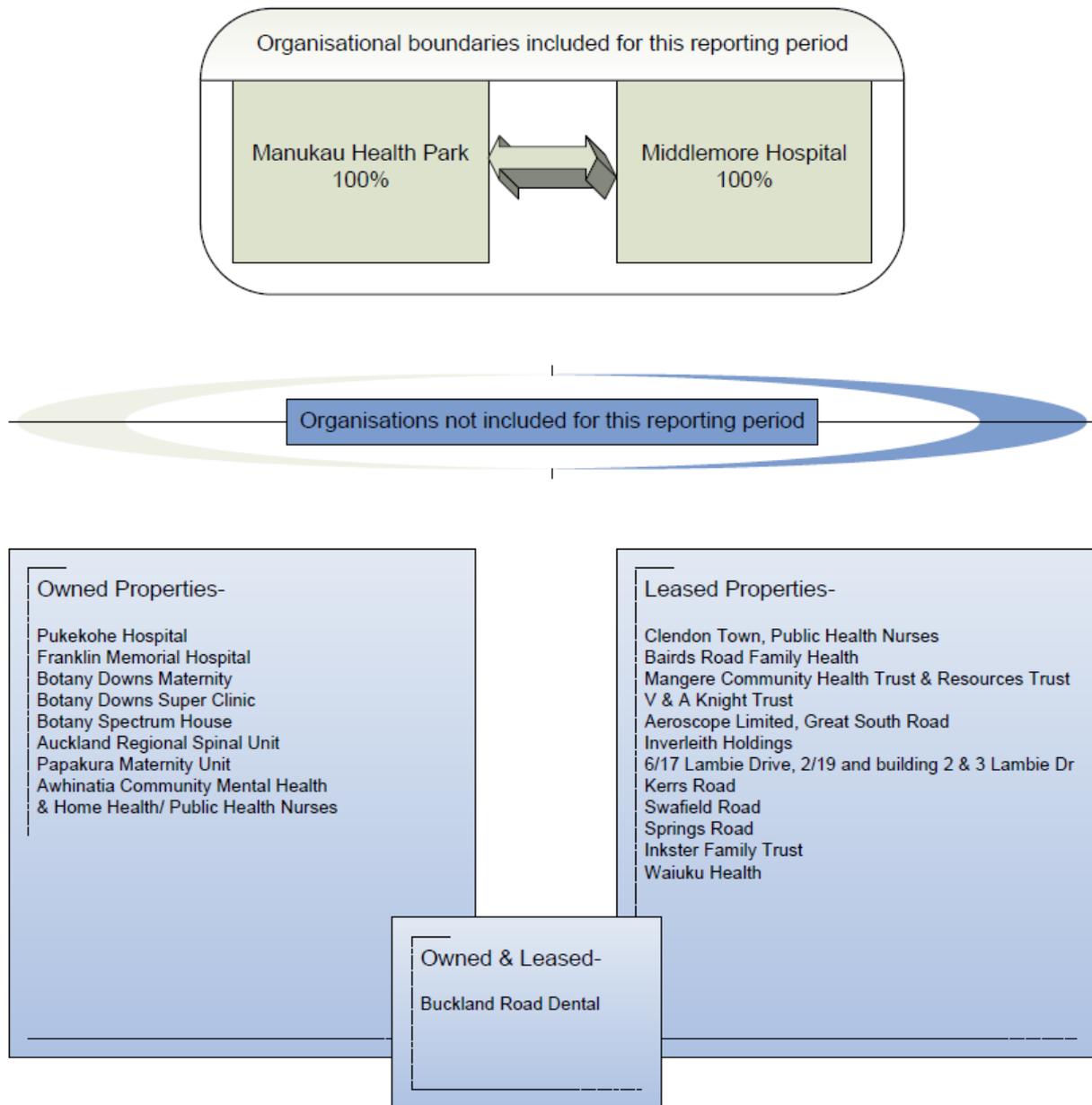


Figure 1: Organisational structure showing business units included and excluded.

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 – 01/07/2014 to 30/06/2015

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

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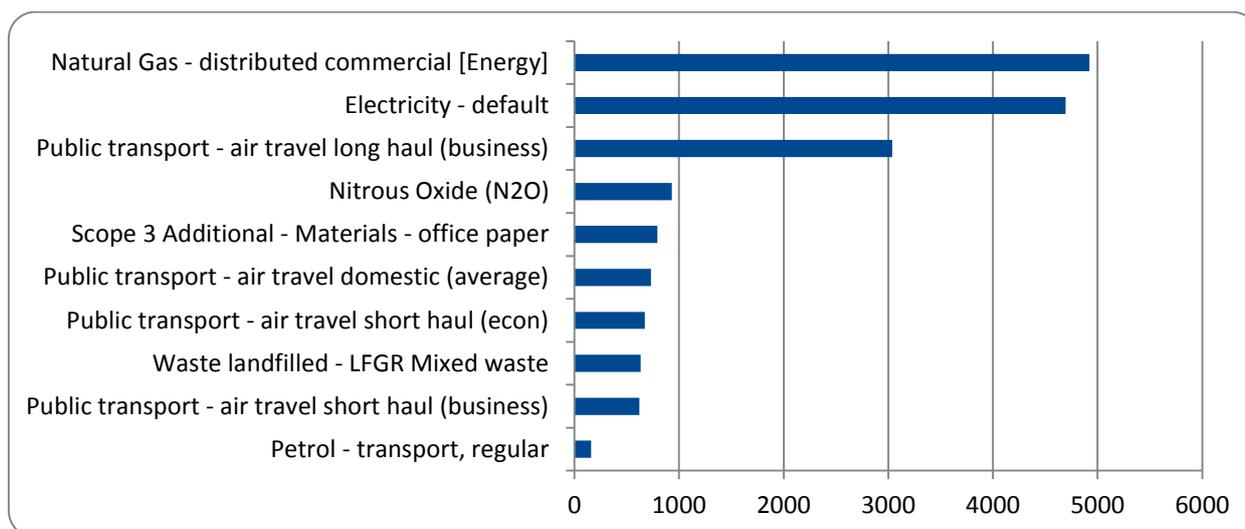


Figure 2: GHG emissions by emissions source (tCO₂e).

Emissions as tonnes of carbon dioxide equivalents (tCO₂e) for this period were²:

| Emissions summary by scopes | | Units |
|-----------------------------|------------------|-------------------------|
| Scope 1 total | 6,997.52 | tCO₂e |
| Scope 2 total | 4,694.65 | tCO₂e |
| Scope 3 total | 5,781.50 | tCO₂e |
| <i>Mandatory scope 3</i> | <i>4,977.15</i> | <i>tCO₂e</i> |
| <i>Additional scope 3</i> | <i>804.35</i> | <i>tCO₂e</i> |
| <i>One-time scope 3</i> | <i>0.00</i> | <i>tCO₂e</i> |
| Total inventory: | 17,473.67 | tCO₂e |

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 34.7 tCO ₂ 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 |

² Note that these figures have been updated since first publication to reflect a 'Facts found after verification' in related to air travel data and gases



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| GHG emissions source | GHG emissions level scope | Reason for exclusion |
|---|---------------------------|--|
| | | 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 | <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 minimum of 2% per annum to achieve a total 10% by the fifth year in the programme. We have chosen a relative target in the first year, and will undertake a review of targets next year as part of the strategic planning process then we can potentially set new relative target(s) plus an absolute target.

Projects to manage emissions include:

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

Emissions reductions summary against last year’s plan – This is the fourth year of reporting under CEMARS programme. An absolute increase in Scope 1 and 2 emissions of 790.01 tCO₂e has been achieved against base year. A reduction in emissions intensity (for Scope 1, 2 and mandatory Scope 3 emissions) of 4 tCO₂e/\$M-not adjusted has been achieved; based upon a 4 year rolling average.

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 scope 3

Certification status – CEMARS certified organisation

Certificate number – 2015110J, Year 1 of 3 year certificate period

Valid until – 31 October 2018

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