

Carbon and Water Performance Report

JULY 2012 to June 2013

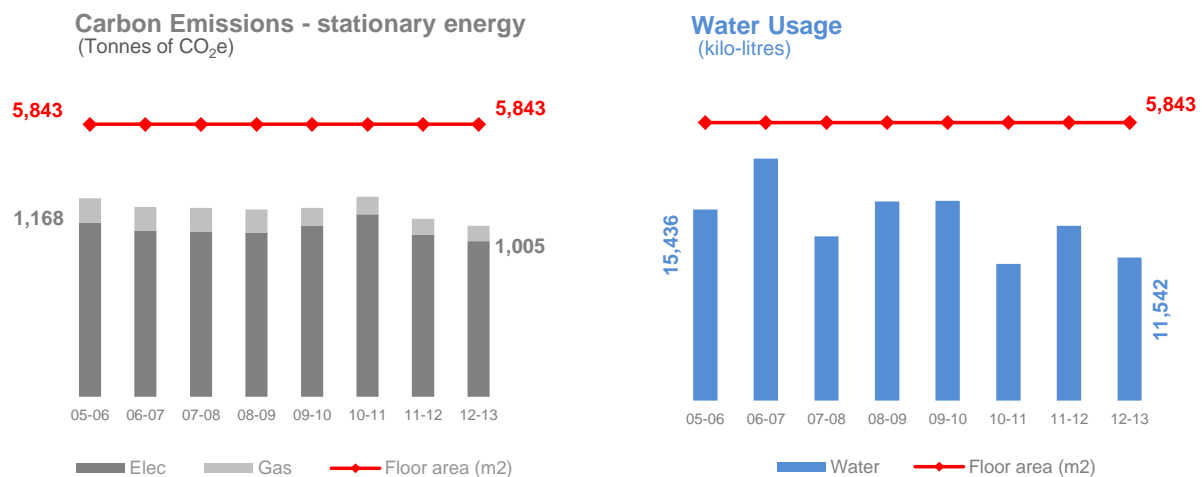
Kerang District Health

1. Expenditure on utilities (\$ exc. GST)

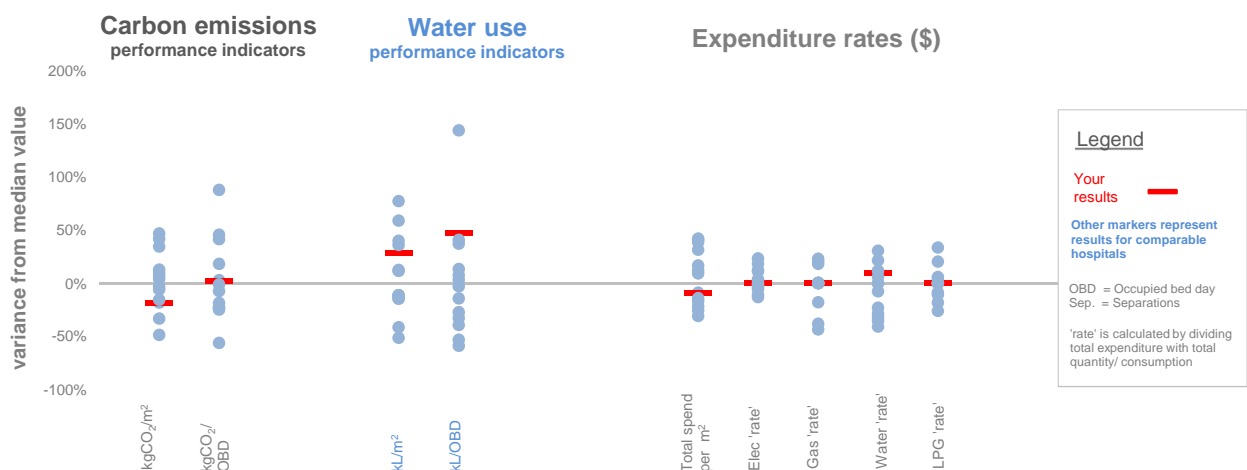
Utility	FY 2011-12	FY 2012-13	% change compared to previous year
Electricity	106,466	137,220	+29%
LPG	42,145	46,647	+11%
Water	25,382	28,648	+13%
TOTAL	173,993	212,515	+22%

Note: energy expenditure across the portfolio increased by 28% in 2012-13; key contributors to the increase are: price on carbon emissions (60% of the increase) and increase in energy and network charges (30% of the increase).

2. Environmental impacts



3. Comparable hospitals - performance indicators in 2012-13



Comparable Hospitals:

Your Peer Group is 'Rural in 'Hot dry summer, cool winter' Climate'. Hospitals in this Peer Group are: Cobram District Health, Cohuna District Hospital, Dunmunkle Health Services, Kerang District Health, Kyabram and District Health Service, Mallee Track Health and Community Service, Nathalia District Hospital, Numurkah District Health Service, Red Cliffs and Community Aged Care Services Inc., Robinvale District Health Services, Rochester and Elmore District Health Service, Rural Northwest Health, West Wimmera Health Service, Yarrawonga Health

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4. Values used in charts

Environmental impact charts

	2010-11	2011-12	2012-13
Floor area (m2)	5,843	5,843	5,843
Electricity usage (MWh)	917	814	781
LPG usage (Ltrs)	66,926	61,151	58,905
Water usage (kL)	11,038	14,112	11,542
Carbon emissions (tonnes of CO2e)			
From electricity usage	1,073	953	914
From gas usage	103	94	90

Comparison chart

Performance indicators	Your value in 2012-13	Median for Peer Group in 2012-13	% above median value
Carbon intensity			
kg CO2e per m2	172	211	-18%
kg CO2e per OBD	65	64	2%
Water usage intensity			
kL per m2	1.98	1.54	28%
kL per OBD	0.75	0.51	47%
Expenditure rates (total expenditure divided by volume/quantity)			
Total utility spend per m2	\$36/m2	\$40/m2	-9%
Electricity rate	¢18/kWh	¢18/kWh	0%
Gas rate	\$0.00/GJ	\$13.47/GJ	-100%
LPG rate	\$0.79/Ltr	\$0.79/Ltr	0%
Water rate	\$2.48/kL	\$2.28/kL	9%
Additional measures (not included on charts)			
Total utility spend per OBD	\$14/OBD		
Total utility spend per separation	n/a		

General Notes

- Information in this report is mostly sourced from the Department of Health's Agency Information Management System (AIMS). Some values have been adjusted as part of data validation. All annual values represent a year ending 30 June.
- Only carbon emissions from stationary energy use (energy used within buildings) are included in this report. Emissions are calculated using carbon factors published by the Commonwealth Government in 2013. For health services provided with energy (electricity and steam) under the co-generation ESA (energy services agreement) carbon factors provided by the energy retailer are used. Carbon factors used are: Grid Electricity = 1.17 kgCO2e/kwh; Natural gas = 51.2 kgCO2e/GJ; LPG = 59.6 kgCO2e/GJ; Cogen electricity = 0.66 kgCO2e/kwh; Off-peak steam = 64 kgCO2e/GJ; Peak steam = 0 (peak steam is a by-product of the electricity generation process).
- Electricity consumption values exclude line losses. Some energy retailers include line losses in reported consumption values.
- Electricity cost values for hospitals provided with energy under the co-generation Energy Services Agreement include a facility management fee associated with the operation of the plant.
- Occupied bed days (OBD) include both inpatient and aged care data.
- For assistance with the interpretation of this report please contact the Department of Health at sustainability@health.vic.gov.au.