



ENVIRONMENTAL SUSTAINABILITY REPORT 2016 – 2017



East Grampians Health Service (EGHS) continues to demonstrate our commitment to a more sustainable environment. EGHS has a program of recycling appropriate waste, reducing energy consumption, reusing equipment and supplies and considering sustainability when purchasing these items.

Recognition of the link between the health and wellness of people and the health and wellness of the environment, is in keeping with the EGHS mission statement: *“EGHS will improve our community’s health and quality of life through strong partnerships and by responding to changing needs.”*

The five values of EGHS can be aligned to environment sustainability



Integrity- Reducing our environmental footprint



Excellence - Commitment to reducing, reusing and recycling



Community- Improving the health of the community through less carbon emissions and land fill waste



Working together – Within EGHS to reduce our carbon footprint by having CEO support, and developing policies to reflect environment management



Learning Culture- education for staff and customers on ways to achieve a sustainable environment at EGHS

The CEO and Management of EGHS recognise the importance of and are committed to sustainable environmental management by reducing landfill waste, reducing energy usage and promotion of energy efficient behaviours.

About East Grampians Health Service

The core business of East Grampians Health Service (EGHS) is a rural health service with campuses located at Ararat and Willaura in Western Victoria.

EGHS offers a wide range of services including:

Inpatient/Acute Services

The Inpatient Unit accommodates medical, surgical, paediatric, midwifery and palliative care patients in a 24 bed unit. As well there are 6 surgical day procedure beds and a six chair dialysis unit operates six days per week. EGHS continues to accept a wide range of surgical patients with the visiting surgeons operating five days a week. The Central Sterilising department services all areas of the health service as well as the local Medical Centre and East Wimmera Health Services.

As well Ararat campus offers 24-hour urgent care service and Oncology one day per week,

These are services that the public access for short term health care needs, for example, an operation or treatment of an acute illness that requires a short hospital stay.

Aged Care Residential Services

EGHS provides quality care for older people who require aged care in spacious modern accommodation. Ararat campus offers 69 aged care beds and Willaura campus offers 12 aged care beds and 8 acute care beds. Other Aged Care Services offered are Day Centres at both campuses.

Community Services

EGHS offers Primary Care Services, including Dental and Podiatry clinics, at the Community Centre.

This report, EGHS has included rental properties in the electricity, water, LPG, and natural gas usage and environmental impact.

The reportable floor space has been reduced from 21,729m² to 18,681m².

INITIATIVES AND IMPROVEMENTS

Initiatives

In June 2017 Tony Roberts, our Finance Director, suggested that EGHS sell “Keep Cups”, which are reusable take away beverage cups, in Café Pyrenees our on-site café open to staff and the public.

This has been approved and cups were purchased and will be delivered in August 2017.



An audit of clinical waste from the perioperative unit in November 2015 indicated 80% was not prescribed clinical waste. The audit was repeated in October 2016 and showed the “Overall clinical waste volume was reduced from the last audit...”

Future Plans

Re audit peri-operative clinical waste for improvement.

Audit other clinical areas for correct disposal of prescribed clinical waste.

Replace Styrofoam containers and disposable coffee cups with recyclable alternatives.

Staff education on recyclable items, reducing clinical and landfill waste, with published articles in the health service newsletter.

Investigate the possibility for recycling of PVC and “Kimguard”.

Energy and water performance report

2016-17

East Grampians Health Service

Environmental impacts & energy use

	2014-15	2015-16	2016-17
Energy use			
Electricity (MWh)	2,356	2,377	2,318
Liquefied Petroleum Gas (kL)	48	46	50
Natural Gas (gigajoules)	11,701	11,563	11,546
Carbon emissions (thousand tonnes of CO₂e)			
Electricity	3	3	2.53
Liquefied Petroleum Gas	0	0	0.08
Natural Gas	1	1	0.59
Total emissions	3	3	3.20
Water use (millions litres)			
Potable Water	19	22	20.09

Factors influencing environmental impacts

	2014-15	2015-16	2016-17
Floor area (m ²)	21,729	18,681	18,681
Separations	4,567	4,794	5,398
In-Patient Bed Days	12,497	12,129	11,464
Aged Care Bed Nights	28,893	29,428	28,371

Benchmarks | 2016-17

	Average for peer group	Your value	% above/ below ave.
Carbon emissions			
CO2e(t) per m2	-	-	N/A
CO2e(t) per OBD	-	-	N/A
CO2e(t) per Seps	-	-	N/A
Water use			
kL per m2	-	-	N/A
kL per OBD	-	-	N/A
kL per Seps	-	-	N/A
Expenditure rates			
Total utility spend (\$/m2)	-	-	N/A
<i>Additional measures (not included in benchmarking chart)</i>			
Total utility spend (\$/Separations)		88.42	
Total utility spend (\$/In-Patient Bed Days)		41.63	
Total utility spend (\$/Aged Care Bed Nights)		16.82	

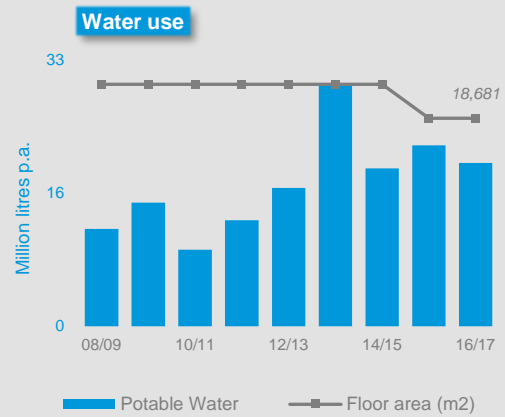
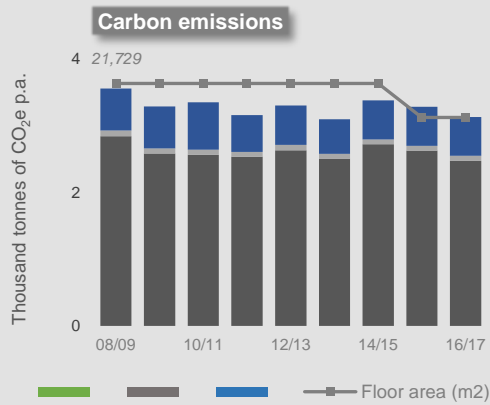
Expenditure rates

Expenditure rates are calculated by dividing total expenditure with total consumption (usage). Rates exclude GST.

General notes

- Information in this report is sourced from data provided by retailers and in some cases data manually uploaded by health services into Eden Suite. Data has not been externally validated. All annual values represent a year ending 30 June.
- Emissions are calculated using the carbon factors for the year in which the emissions were generated. 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.
- Electricity consumption values exclude line losses; some energy retailers include losses in reported values.
- Occupied bed days (OBD) include both inpatient and aged care data, unless stated otherwise.

Environmental impacts

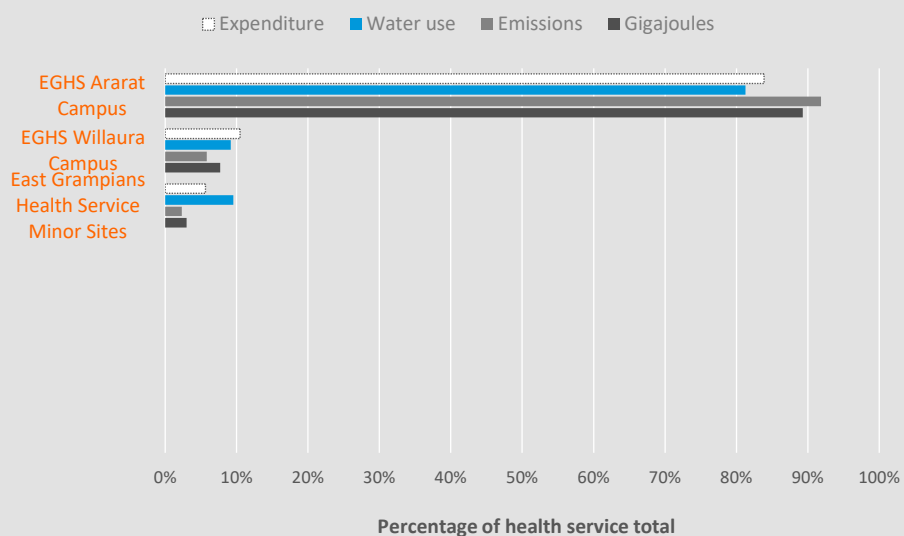


ENERGY CONSUMPTION

Expenditure

	2015-16 (\$ thousand)	2016-17 (\$ thousand)	Change from previous year
Electricity	\$322	\$294	-8.7%
Natural Gas	\$95	\$115	21.8%
Liquefied Petroleum Gas	\$31	\$32	4.1%
Potable Water	\$0	\$36	19624.0%
TOTAL	\$448	\$477	6.5%

Site contribution | 2016-17



WASTE MANAGEMENT

Introduction

EGHS has four main waste streams – General Land fill, Regulated Clinical Waste, Regulated Confidential Waste and Recycling consisting of co- mingled glass, paper, cans and plastic as well as a separate cardboard collection.

Articles on waste management are published in the Health Service Newsletter and presented at Staff briefing sessions.

There has been a reduction in clinical waste possibly due to a raised awareness of what constitutes clinical waste.

Confidential waste is included in recycled waste as 98.7% of the end product is recycled.

Total Waste Generation by type (kgs)	2014-2015	2015-2016	2016-2017
Clinical waste	11,653	9,669	6,740
General waste	185,840	198,135	189,665
Recycled/ Confidential Waste	76,080	55,834	75,584
Percentage of recycle waste	40.9%	28.2%	38.5%
Waste generated per floor area	29.9kgs	28.9kgs	14.5kgs
Waste generated per level of service activity	6.5kgs	5.7kgs	6.2kgs

From the 2016-2017 period, the floor area for EGHs has been recalculated to 18,681 M².

Service Activity is based on separations, Inpatient beds days and aged care bed nights.