



**East Grampians
Health Service**

*improving the health
of our community*

ENVIRONMENTAL SUSTAINABILITY REPORT 2017 – 2018



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 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

Keep Cups

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.

To date over 100 cups have been sold.



New buildings/ renovations

Recycling of materials to make the same or different products keeps materials in the productive economy and provides beneficial environmental outcomes through reducing the need for virgin materials and waste disposal such as landfill. Recycling includes re-processing where items are processed and used to produce new items of the same material and processes where items are used to create new products. Not all recyclable materials are able to be reprocessed. During redevelopment projects, it is part of our process to recycle materials wherever possible. The following information indicates where EGHS have been able to recycle materials during those projects.

THE “NEST” EDUCATION CENTRE

The Ararat Eagles Clubrooms was relocated to EGHS Ararat campus in stages following donation by the Ararat Rural City. To reduce the need for new building works on site, EGHS utilised this existing building as part of a redevelopment project to provide an education centre on site. Once in its final destination, many of the building materials were either reutilised or recycled as part of the revamp and restoration of the project. The timber, plaster and iron were all materials from the existing building and support services patched up the plasterwork, repainted the existing toilets and recycled the cisterns in order to avoid unnecessary wastage and costs of purchasing new materials.





COMMUNITY HEALTH CENTRE REDEVELOPMENT

Throughout the redevelopment of the District Nursing building now known as the Healthy @ Home building and at the Community Health Centre, there has been a conscious effort made to recycle or upcycle existing equipment and materials.



The old District Nursing office was renovated, to accommodate the Ararat Rural City Council Home Support Program staff. During this process, there was not a need for utilising all the existing office furniture due to a reduction in staff requiring the space. We therefore recycled what was not required to accommodate the Occupational Therapy and Speech Pathology staff in the Community Health Centre. The contractor removed and relocated the furniture to allow for a much more practicable workspace in their office.



During this project, we have also recycled other items such as timber, blinds and carpet tiles. As part of the Physiotherapy office relocation, we have utilised some of their old

furniture and items in their new office space. We have relocated some of the reverse cycle air-conditioners and have stored many items awaiting for other areas to be complete. Once Maternal & Child Health and Ark Toy & Activity Library relocate, they will also be bringing some of their existing items to alleviate the need to purchase new fittings.

During these projects, we have been able to re-utilise and recycle many items, which has not only assisted with large cost saving to the health service but has also assisted in less wastage which minimises the impact on the environment.

External General Waste Audit

This was conducted in August 2018 .

Recommendations:

Staff awareness of clinical waste

Investigate food waste, especially pre-prepared meals not used

Office supplies –shared pool or donate to charity

Assess any potential recycling not already taken by contractor

Chemical to be disposed of correctly

The report was presented at staff briefing in September 2018. Recommendations to be discussed at the Environmental Management Committee meetings.

Energy and water performance report

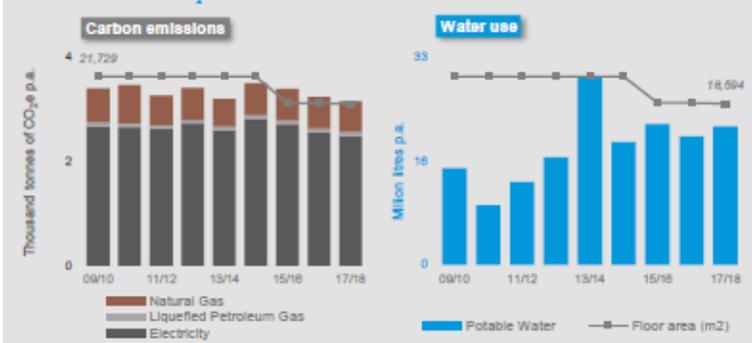
2017-18

East Grampians Health Service

Expenditure

	2016-17 (\$ thousand)	2017-18 (\$ thousand)	Change from previous year
Electricity	\$295	\$493	67.1%
Liquefied Petroleum Gas	\$32	\$28	-11.3%
Natural Gas	\$115	\$129	12.1%
Potable Water	\$39	\$46	18.6%
TOTAL	\$481	\$696	44.8%

Environmental impacts



Benchmarks | 2017-18



Energy and water performance report

2017-18

East Grampians Health Service

Environmental impacts & energy use

	2015-16	2016-17	2017-18
Energy use			
Electricity (MWh)	2,377	2,320	2,282
Liquefied Petroleum Gas (kL)	46	30	43
Natural Gas (gigajoules)	11,563	11,346	11,349
Carbon emissions (thousand tonnes of CO₂e)			
Electricity	3	3	2.46
Liquefied Petroleum Gas	0	0	0.07
Natural Gas	1	1	0.58
Total emissions	3	3	3.12
Water use (millions litres)			
Potable Water	22	20	21.83

Factors influencing environmental impacts

	2015-16	2016-17	2017-18
Floor area (m ²)	18,681	18,681	18,594
Separations	4,794	5,398	5,420
In-Patient Bed Days	12,129	11,464	10,937
Aged Care Bed Nights	29,428	28,337	28,559

Benchmarks | 2017-18

	Average for peer group	Your value	% above/ below ave.
Carbon emissions			
CO ₂ e(t) per m ²	-	-	N/A
CO ₂ e(t) per OBD	-	-	N/A
CO ₂ e(t) per Seps	-	-	N/A
Water use			
kL per m ²	-	-	N/A
kL per OBD	-	-	N/A
kL per Seps	-	-	N/A
Expenditure rates			
Total utility spend (\$/m ²)	-	-	N/A
<i>Additional measures (not included in benchmarking chart)</i>			
Total utility spend (\$/Separations)		128.50	
Total utility spend (\$/In-Patient Bed Days)		63.56	
Total utility spend (\$/Aged Care Bed Nights)		24.39	

Expenditure rates

Expenditure rates are calculated by dividing

General notes

1 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.

2 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.

3 Electricity consumption values exclude line losses; some energy retailers include losses in reported values.

4 Occupied bed days (OBD) include both inpatient and aged care data, unless stated otherwise.

Waste Management Performance Report

2017-18

East Grampians Health Service

Waste costs (collection & disposal)

	2016-17	2017-18	Change from previous year
Clinical waste	\$22,263	\$16,496	-25.9%
General waste	\$16,746	\$23,701	41.5%
Recycling	\$9,495	\$14,418	51.8%
TOTAL	\$48,504	\$54,614	12.6%

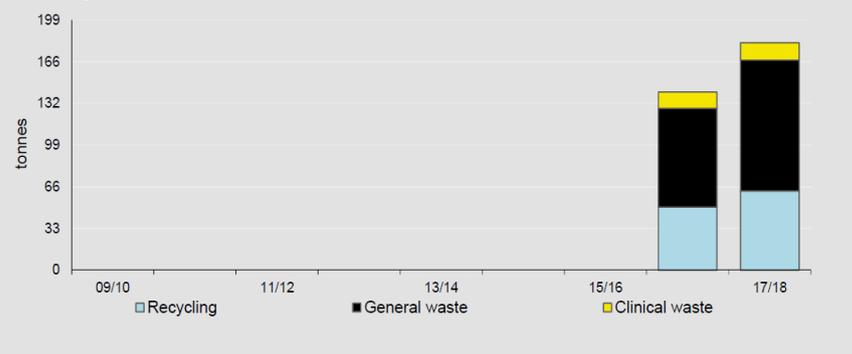
Questions?

For further assistance with the interpretation of this report please contact the Department at edms@dhs.vic.gov.au.

GST

All values are GST exclusive.

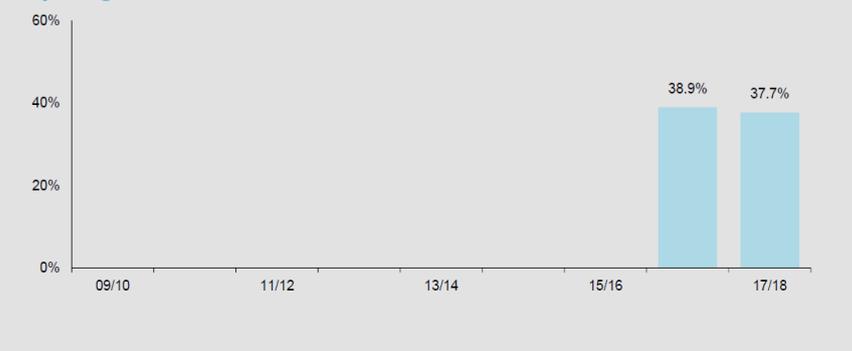
Waste generation



Recycling kg

Batteries	✗	-
Cardboard	✓	17,160
Commingled	✓	34,911
E-waste	✗	-
Fluorescent tubes	✗	-
Grease traps	✓	541
Mattresses	✗	-
Metals	✗	-
Mobile phones	✗	-
Organics (food)	✗	-
Organics (garden)	✓	5,528
Other recycling	✗	-
PVC	✗	-
Packaging plastics/films	✗	-
Paper (confidential)	✓	4,640
Paper (recycling)	✗	-
Polystyrene foam	✗	-
Sterilization wraps	✗	-
Toner & print cartridges	✓	36
Wood	✗	-
TOTAL		62,817

Recycling rate



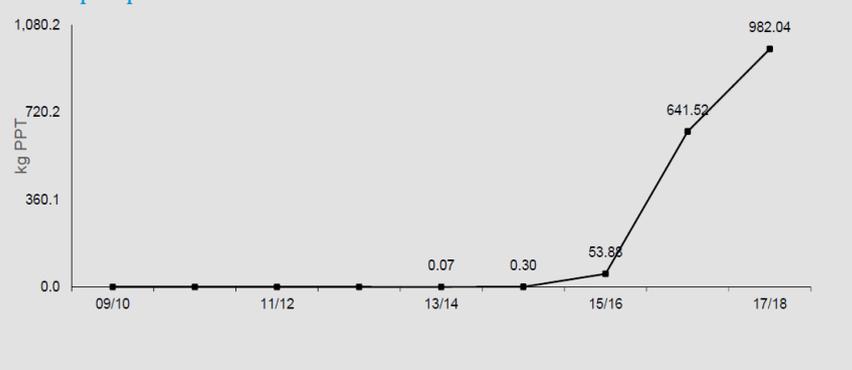
Recycling

The list of recycling types includes those potentially available to public hospitals. It is noted that some waste providers in rural and regional Victoria may not deliver these services. The kilograms of recycling reported is for the reported year only.

Recycling rate

The recycling rate is calculated by dividing the kilograms of recycled materials by the kilograms of recycled materials plus kilograms of general waste. It excludes clinical waste.

Waste per patient treated



Per patient treated

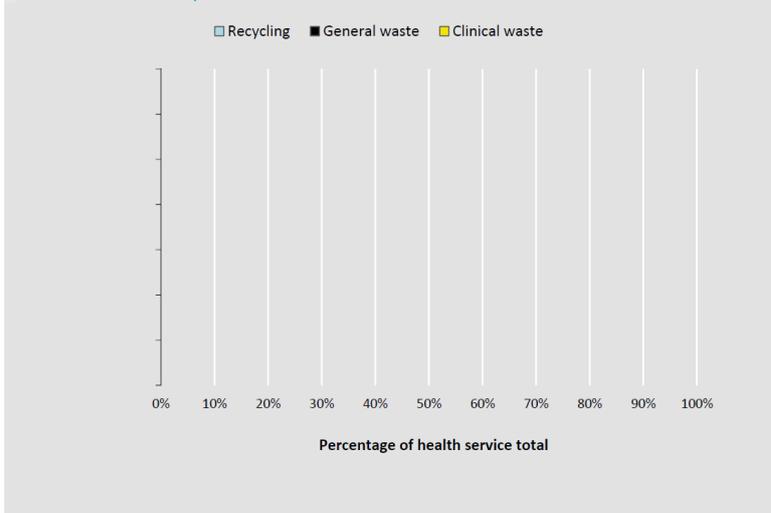
Per patient treated is an aggregation of occupied bed-days (inpatient and aged care), ED departures and separations.

Waste Management Performance Report

2017-18

East Grampians Health Service

Site contribution | 2017-18



Site contribution chart

The site contribution chart works best where health services collect waste data at the facility level. Where waste data is collected at the health service level only one bar is shown. For further information on collecting waste at the facility level please contact the Department at edms@dhhs.vic.gov.au.

Waste generation

	2015-16	2016-17	2017-18
Clinical waste			
Clinical waste - incinerated (kg)		1,537	1,069
Clinical waste - sharps (kg)		142	107
Clinical waste - treated (kg)		11,289	12,650
TOTAL	0	12,968	13,826
General waste			
General waste - bins (kg)			
General waste - compactors (kg)			
General waste - skips (kg)		78,431	104,009
TOTAL	0	78,431	104,009

Waste costs

	2015-16	2016-17	2017-18
Clinical waste (\$/PPT)		0.43	0.37
General waste (\$/PPT)		0.32	0.53
Recycling (\$/PPT)		0.18	0.32

Carbon emissions (Scope 3)

	2015-16	2016-17	2017-18
Carbon (tonnes CO2-e)		109	141

Carbon emissions

Carbon generated from waste is Scope 3. Scope 3 carbon emissions are indirect and do not need to be publicly reported. It is provided for information only.

Factors influencing waste

	2015-16	2016-17	2017-18
Aged Care OBD	29,428	35,501	28,251
ED Departures			
LOS	12,129	11,464	10,957
Separations	4,794	5,398	5,420
Per patient treated	46,351	52,363	44,628