



Cultivating *Healthy* Communities

St. Arnaud | Birchip | Charlton | Donald | Wycheproof

# ENVIRONMENTAL MANAGEMENT PLAN

Updated JANUARY 2022

<b>St. Arnaud Campus</b> 52 North Western Road St. Arnaud, VIC 3478 P. 03 5477 2100 F. 03 5477 2131 E. <a href="mailto:starnaud@ewhs.org.au">starnaud@ewhs.org.au</a>	<b>Birchip Campus</b> 26 Duncan Street Birchip, VIC 3483 P. 03 5477 7100 F. 03 5492 2455 E. <a href="mailto:birchip@ewhs.org.au">birchip@ewhs.org.au</a>	<b>Charlton Campus</b> 4 Learmonth Street Charlton, VIC 3525 P. 03 5477 6800 F. 03 5491 2010 E. <a href="mailto:charlton@ewhs.org.au">charlton@ewhs.org.au</a>	<b>Donald Campus</b> 1 Altken Avenue Donald, VIC 3480 P. 03 5478 6200 F. 03 5497 1715 E. <a href="mailto:donald@ewhs.org.au">donald@ewhs.org.au</a>	<b>Wycheproof Campus</b> 9 Grandview Street Wycheproof, VIC 3527 P. 03 5478 0700 F. 03 5493 7665 E. <a href="mailto:wycheproof@ewhs.org.au">wycheproof@ewhs.org.au</a>
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## **Chief Executive Officers Message**

At East Wimmera Health Service (EWHS) we recognise that we share a role with our community, to foster behavior change, both internally through environmentally sustainable practice, but also to promote environmentally sustainable practices that will mitigate the health effects of climate change.

Environmental sustainability is a key organisational goal, with EWHS committed to improving the environmental sustainability of its operations and future planning processes. Since 2006, EWHS have had in place monitoring systems which have created the framework to formalize an Environmental Sustainability Management Strategy Plan.

Our environmental sustainable approach is extended across all 5 Campuses of EWHS and monitoring systems have been mirrored to collect meaningful data and allow benchmarking. This data is publically reported.

As CEO of EWHS, I am committed to the protection of the environment and endorse strategies in business planning and general operations of the Health Service.



Trevor Adem

**Chief Executive Officer**





## Executive Summary

East Wimmera Health Service (EWHS) aims to pursue a reputation for excellence in health care. EWHS will achieve this through the compassionate and effective delivery of appropriate health care services in an environment of continuous quality improvement.

EWHS is committed to improving the environmental sustainability of its operations, planning processes, policy and procedural development as a core organisational goal.

Benefits seen since the implementation of a formal environmental management program, and an environmental management policy include:

- Reduction in operational costs, energy and water consumption and effective risk management.
- An environmentally focused organisation
- Promotion of Environmental Sustainability within the EWHS services community
- Eliminating unnecessary waste
- Resource conservation
- Reducing energy (all forms) consumption
- Water efficiency
- Monitoring, reporting and reducing emissions of all pollutants
- Evaluating whole-of-life savings of investing in new buildings and plant infrastructure
- Complying with regulations and standards

## **1. Introduction**

### **1.1 Background**

EWHS is committed to improving the environmental sustainability of its operations, planning processes and staff awareness.

The Waste Minimisation Working Party was established in 2005 with all five campuses participating in the program with representatives from all campuses to discuss programs and review action plans. The Health Service progressed from Bronze level Waste Wise certification through to Gold level certification in 2009. Waste performance data was collected, evaluated and reported back to staff on a regular basis.

EWHS has moved on from Waste Management to a more holistic approach in Environmental Sustainability management.

Our continued success has been based on the involvement of all staff in Environmental Sustainability and promotion of Environmental Sustainability in the wider community. The Communication plan covers our objectives, and outcomes will be reported in the EWHS newsletter- Informer, at staff meetings, on intranet and in the local newspapers.

### **1.2 About the organisation**

#### **1.2.1 Overview of the organisation**

East Wimmera Health Service (EWHS) was established on the 1st July 1999 with the amalgamation of the former EWHS (Donald & St Arnaud Campuses) with the Birchip Bush Nursing Hospital, Charlton Bush Nursing Hospital and Wycheproof and District Hospital.

EWHS comprises of 40 acute beds, 85 Nursing Home (high care beds) and 10 low care beds, Dialysis and Community Health Services.

Acute admissions are comprised of general medical and palliative care. Urgent Care services are provided at all campuses.

All Victorians have a role to play in making Victoria a more sustainable state for future generations and protecting our reputation as one of the world's most liveable places. Responding to this challenge, East Wimmera Health Service has made a commitment to reducing our environmental impact through adopting an environment policy, setting key objectives and developing and an environmental management strategy to achieve our goals.

The strategy describes the objectives, actions, communications, monitoring, reviewing and reporting to meet our policy. The actions have been developed to:

- Be simple to understand and implement
- Clearly delegate responsibility
- Integrate with existing procedures and activities.
- Be simple to understand and implement
- Clearly delegate responsibility
- Integrate with existing procedures and activities.



### 1.3 Scope

To ensure that East Wimmera Health Service [EWHS] delivers services in an environmentally responsible manner that minimises undue risk and adverse environmental impacts on human health and the natural environment, whilst being aware of and working within the financial constraints of the organisation.

- EWHS will support the appropriate administrative structure to ensure compliance with the policy, including the establishment of an Environmental Sustainability Committee sponsored at the executive level to oversee its regulations; review the results of internal compliance, environmental parameters and indicators; and set long-term goals for continuous improvement of its environmental performance
- EWHS will implement an Environmental Management System (EMS), an overall framework that defines the organisational structure, responsibilities, practices, procedures, processes and resources for implementing the EWHS's Environmental Sustainability Policy.
- EWHS will comply with all legislative requirements that apply to the Health Service environmental activities.
- EWHS will contribute to the conservation of natural resources and minimise pollution through the use of environmental best practices, procedures and technology.
- EWHS will reduce, reuse and recycle waste wherever possible in order to optimise responsible utilisation of available resources. Waste removal will be in accordance with Health Purchasing Victoria (HPV) guidelines or apply for exception.
- EWHS will dispose of all waste responsibly to protect the environment as well as the health and safety of its users and the community.
- EWHS will employ best practices to prevent any potential damage and injury resulting from the storage, use, transportation, and disposal of hazardous materials, including all forms of hazardous physical, chemical, and biological agents and other potentially hazardous materials relevant to the health care environment.
- EWHS will continually evaluate and adapt its purchasing practices in line with HPV in order to minimise the risk of adverse environmental impacts.

- EWHS will ensure that users are aware of its Environmental Sustainability Policy, procedures and issues, through the use of orientation and ongoing training programs and newsletters.
- EWHS will monitor, document and review measurable environmental objectives and targets through its Environment Management Plan and review by the Department of Health and Human Services.

## **1.4 Actions and achievements**

### **General Activities 2005 - 2021**

- Waste Minimisation Working Party established in 2005. All five campuses (Charlton, Donald, Birchip, St Arnaud, Wycheproof) participating in the program at the same level. Regular waste committee meetings with representatives from all campuses to discuss programs and review action plans.
- Waste Wise – Bronze level 2006, Silver level 2008, Gold level 2009

### **Waste & Recycling**

- Internal recycling bins at desks and around printers
- Installed signage and posters to promote correct disposal
- Mobile phone, Printer cartridge, Florescent tubing, Paper towel recycling
- Introduced increased access to shredders reducing paper being sent to landfill
- Established system for collecting and collating monthly data for waste and recycling
- Audits undertaken for waste and clinical waste streams
- Promotion “Think Before You Print” signature block on all emails
- Liquid oil reused for diesel
- E-waste collected for recycling
- Bulk purchasing undertaken to reduce packaging
- DHHS Environmental Data Management System (EDMS) reports

### **Paper Use**

- Paper reuse trays available for single sided printing
- Encouraged double side printing, promotion to encourage think before you print. Promotion” Think Before You Print” signature block on all emails

## **Purchasing**



- EWHS Purchasing Policy – EWHS Management has a purchasing policy that encourages purchasing locally. As one of the largest organisations in the Buloke and Northern Grampians Shires, EWHS engages in local purchasing as a priority to support towns with significantly aging and declining populations. Purchasing locally is considered as vital to support the economic sustainability of these communities and in turn aids in community resilience and viability. Strong healthcare provisions are essential for the long term sustainability for rural communities and EWHS is well known for its active involvement and support of local initiatives. Purchasing locally reduces the impact of travel CO2 emissions etc as well. The purchasing policy contains a clause which takes into account water and energy efficiencies and recycled content where it is cost effective to do so. Purchasing does have limitations due to individual campuses undertaking their own procurement. All large infrastructure purchases are undertaken with green efficiencies as key selection criteria.
- Polystyrene cups usage reduced and replaced with reusable cups at venues and meetings. Meals on Wheels soup containers changed from Polystyrene to recycled plastic containers.

### **Staff Education**

- Signage is generated about recycling achievements / paper use / 'think before you print' etc
- Staff waste and recycling survey completed annually
- Education is provided on Environmental Sustainability management for all new staff at orientation. Education Programs evaluated.
- Environmental Sustainability information distributed through minutes and EWHS "Informer"

### **Monitoring & Reporting**

- Data record sheets provided to each campus for monthly collection of waste and recycling data
- Data record spread sheet tracking waste and recycling per month/per campus and calculates per bed day – data record tool has been used at a number of other hospitals after EWHS success.
- Successes promoted at staff meetings, through staff notice boards and the intranet

### **Strategies and Policies**

- Environmental policy developed
- Purchasing Policy
- Key Performance Indicators developed for all waste streams.

### **Water & Energy**

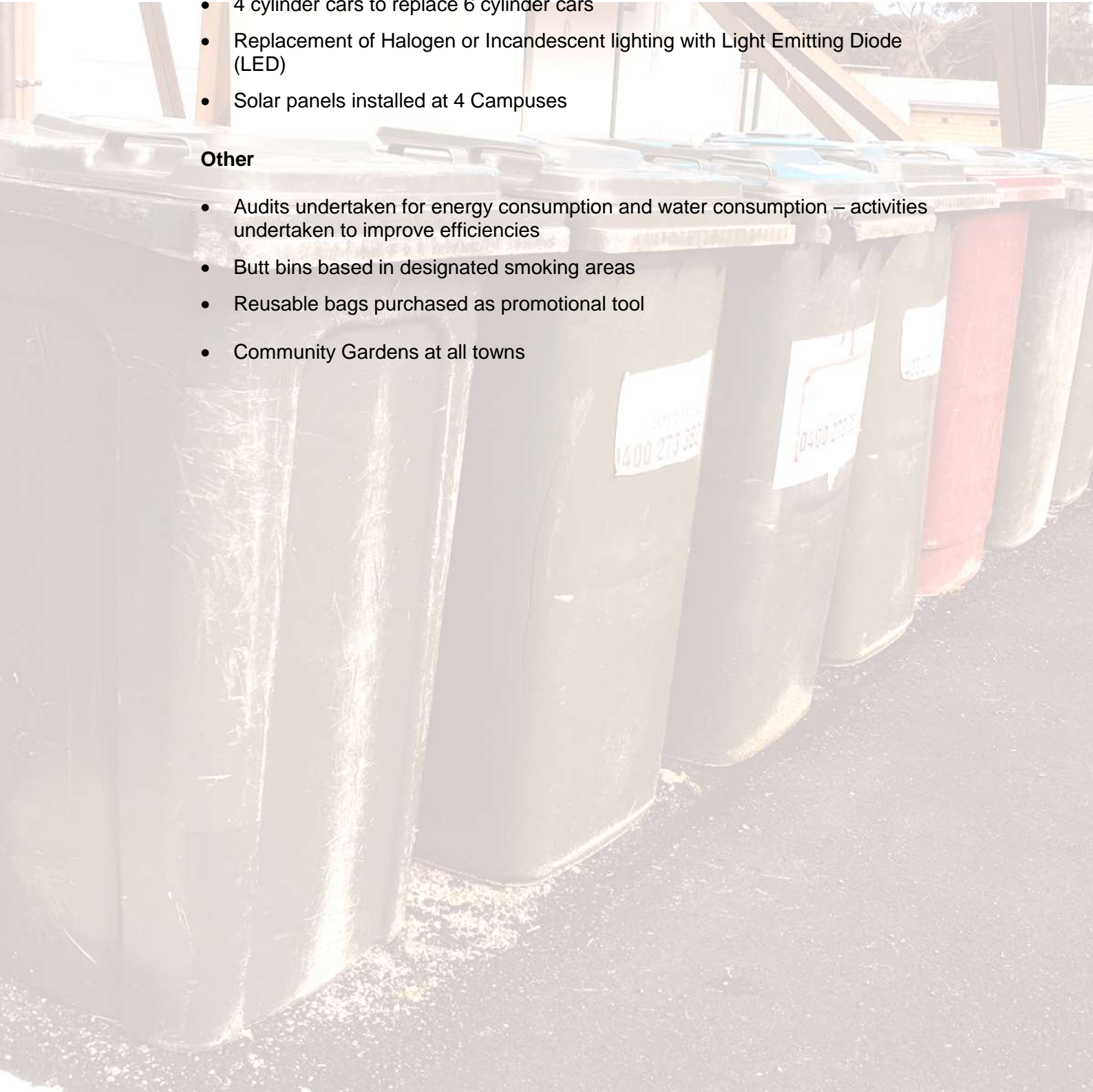
- Replacement of shower heads, flow restrictors and front load water saving washing machines across the five campuses.



- Macerators purchased for all acute and Residential Aged Care facilities replacing pan flushers which utilises reduced water consumption, energy efficient and uses recycled products.
- 4 cylinder cars to replace 6 cylinder cars
- Replacement of Halogen or Incandescent lighting with Light Emitting Diode (LED)
- Solar panels installed at 4 Campuses

#### **Other**

- Audits undertaken for energy consumption and water consumption – activities undertaken to improve efficiencies
- Butt bins based in designated smoking areas
- Reusable bags purchased as promotional tool
- Community Gardens at all towns



## 2. Baseline Environmental Performance

# Energy and water performance report 2020-21

### East Wimmera Health Service

#### Expenditure

	2019-20 (\$ thousand)	2020-21 (\$ thousand)	Change from previous year
Electricity	\$378	\$363	-4.0%
Liquefied Petroleum Gas	\$130	\$83	-36.5%
Potable Water	\$38	\$44	18.2%
<b>TOTAL</b>	<b>\$546</b>	<b>\$490</b>	<b>-10.2%</b>

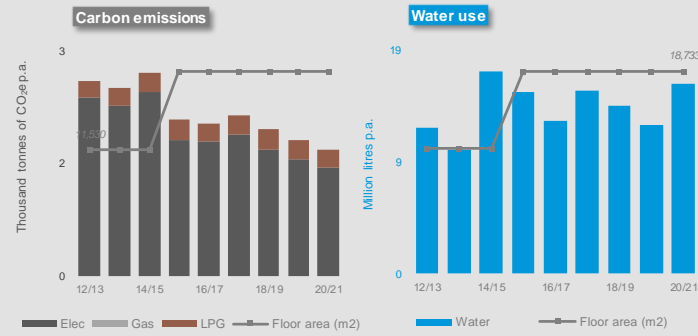
#### Questions?

For assistance with the interpretation of this report please contact the Department at [sustainability@dhhs.vic.gov.au](mailto:sustainability@dhhs.vic.gov.au)

#### GST

All values are GST exclusive.

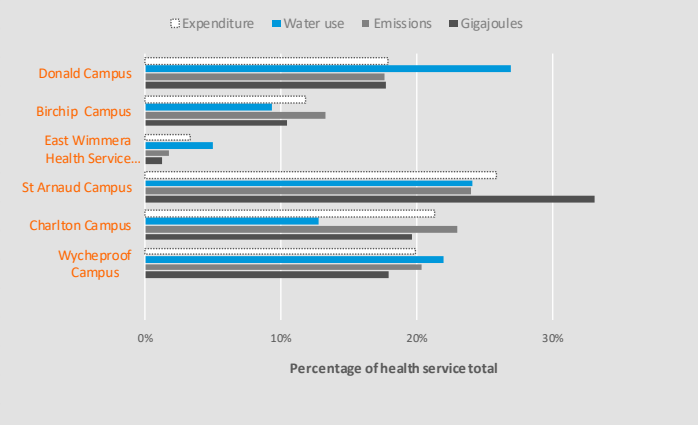
#### Environmental impacts



#### Carbon emissions

Carbon emission values represent total Scope 1 and 2 carbon emission from stationary energy (energy used in buildings).

#### Site contribution | 2020-21



#### Detailed information

Information on individual hospitals and values used in charts is available on separate site specific performance reports.





# Energy and water performance report 2020-21

## Birchip Campus

### Environmental impacts & energy use

	2018-19	2019-20	2020-21
<b>Energy use</b>			
Electricity (MWh)	289	263	144
Liquefied Petroleum Gas (kJ)	10	10	8
<b>Carbon emissions (thousand tonnes of CO<sub>2</sub>e)</b>			
Electricity	0	0	0.24
Liquefied Petroleum Gas	0	0	0.01
Total emissions	0	0	0.25
<b>Water use (millions litres)</b>			
Potable Water	2	2	1.47

### Factors influencing environmental impacts

	2018-19	2019-20	2020-21
Floor area (m <sup>2</sup> )	1,854	1,854	1,854
Separations	80	75	87
In-Patient Bed Days	435	406	325
Aged Care Bed Nights	3,168	3,172	2,449

### Benchmarks | 2020-21

	Average for peer group	Your value	% above/below ave.
<b>Carbon emissions</b>			
CO <sub>2</sub> e(t) per m <sup>2</sup>	0.12	0.14	16%
CO <sub>2</sub> e(t) per OBD	0.05	0.09	92%
CO <sub>2</sub> e(t) per Seps	1.31	2.90	121%
<b>Water use</b>			
kl per m <sup>2</sup>	1.05	0.79	-25%
kl per OBD	0.43	0.53	24%
kl per Seps	11.89	16.88	42%
<b>Expenditure rates</b>			
Total utility spend (\$/m <sup>2</sup> )	32	31.08	-2.1%
Elec(\$/kWh)	0	0.20	-5.0%
Potable Water(\$/kl)	4	3.42	-1.5%
LPG(\$/kl)	561	495.86	-11.6%
<i>Additional measures (not included in benchmarking chart)</i>			
Total utility spend (\$/Separations)		665.91	
Total utility spend (\$/In-Patient Bed Days)		178.26	
Total utility spend (\$/Aged Care Bed Nights)		23.66	

#### 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 Solo. 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.



# Energy and water performance report

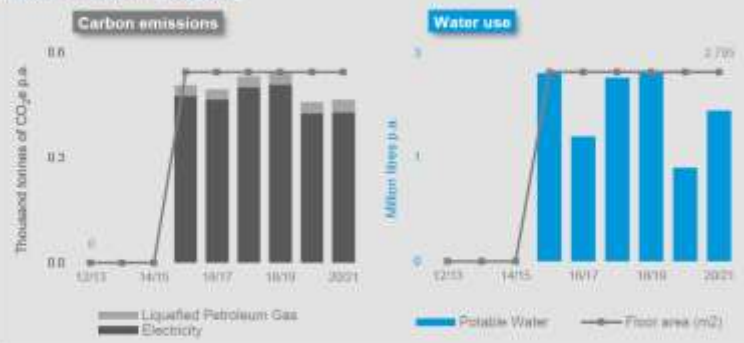
## 2020-21

### Charlton Campus

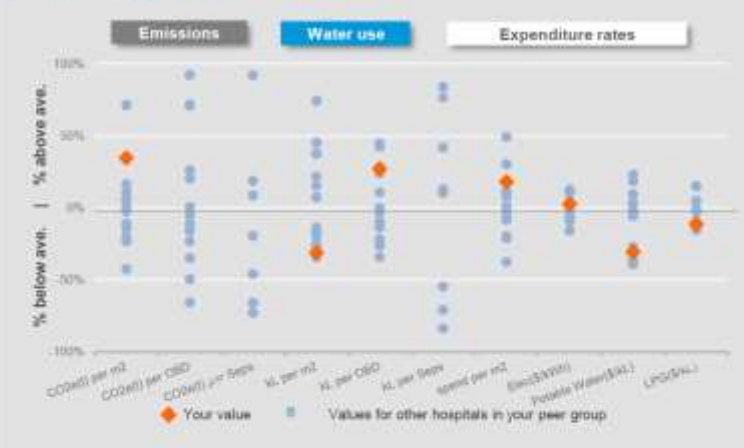
#### Expenditure

	2019-20 (\$ thousand)	2020-21 (\$ thousand)	Change from previous year
Electricity	\$90	\$89	-0.9%
Liquefied Petroleum Gas	\$13	\$11	-20.2%
Potable Water	\$4	\$5	40.7%
<b>TOTAL</b>	<b>\$107</b>	<b>\$105</b>	<b>-1.9%</b>

#### Environmental impacts



#### Benchmarks | 2020-21



#### Questions?

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#### GST

All values are GST exclusive.

#### Carbon emissions

Carbon emission values represent total Scope 1 and 2 carbon emission from stationary energy (energy used in buildings).

#### Floor area

Floor area trend is plotted on the charts as floor area is typically the main factor influencing significant year on year changes in environmental impacts. Carpark floor area is excluded. Floor area is the average value for each year.

#### Peer group

Your peer group is 'Total VIC LPHC'. Members of this group are: Baulkham Hills Hospital, Bendigo Campus, Bent Hospital, Cartesian Memorial Hospital Campus, Charlton Campus, Derriford Campus, Edenhope Hospital, Foster Hospital, Heathcote Hospital, Inghamwood Hospital, Obed Hospital - all buildings on Boundary Street.

#### OSD

OSD = Occupied Bed Days, Septs = Septations

#### Expenditure rates

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

If your value is not shown, it is more than 100% above or below the peer group average. Your value is provided in the table on page 2.

# Energy and water performance report 2020-21

## Charlton Campus

### Environmental impacts & energy use

	2018-19	2019-20	2020-21
<b>Energy use</b>			
Electricity (MWh)	446	393	412
Liquefied Petroleum Gas (KL)	21	19	22
<b>Carbon emissions (thousand tonnes of CO<sub>2</sub>e)</b>			
Electricity	0	0	0.40
Liquefied Petroleum Gas	0	0	0.03
Total emissions	3	0	0.44
<b>Water use (millions litres)</b>			
Potable Water	3	1	2.02

### Factors influencing environmental impacts

	2018-19	2019-20	2020-21
Floor area (m <sup>2</sup> )	2,795	2,795	2,795
Separations	42	51	60
In-Patient Bed Days	310	277	274
Aged Care Bed Nights	4,646	4,276	3,455

### Benchmarks | 2020-21

	Average for peer group	Your value	% above/below ave.
<b>Carbon emissions</b>			
CO <sub>2</sub> e(t) per m <sup>2</sup>	0.12	0.16	35%
CO <sub>2</sub> e(t) per OBD	0.05	0.12	148%
CO <sub>2</sub> e(t) per Sepa	1.33	7.29	455%
<b>Water use</b>			
kl per m <sup>2</sup>	1.05	0.72	-31%
kl per OBD	0.43	0.54	27%
kl per Sepa	11.80	33.72	184%
<b>Expenditure rates</b>			
Total utility spend (\$/m <sup>2</sup> )	32	37.46	18.0%
Elect(\$/kWh)	0	0.22	2.5%
Potable Water(\$/KL)	4	2.46	-30.7%
LPG(\$/KL)	561	496.76	-11.5%
<b>Additional measures (not included in benchmarking chart)</b>			
Total utility spend (\$/Separations)		1,744.84	
Total utility spend (\$/In-Patient Bed Days)		382.08	
Total utility spend (\$/Aged Care Bed Nights)		30.30	

#### 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.



# Energy and water performance report

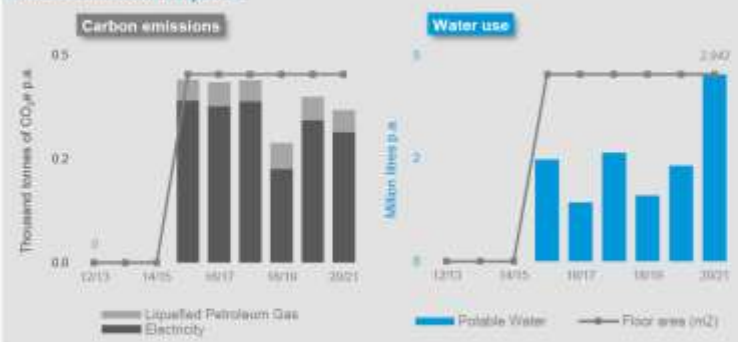
## 2020-21

### Donald Campus

#### Expenditure

	2019-20 (\$ thousand)	2020-21 (\$ thousand)	Change from previous year
Electricity	\$64	\$61	-4.5%
Liquefied Petroleum Gas	\$22	\$15	-30.4%
Potable Water	\$6	\$11	71.5%
<b>TOTAL</b>	<b>\$93</b>	<b>\$88</b>	<b>-5.4%</b>

#### Environmental impacts



#### Benchmarks | 2020-21



#### Questions?

For assistance with the interpretation of this report please contact the Department at [costume@hs.vic.gov.au](mailto:costume@hs.vic.gov.au)

#### GST

All values are GST exclusive.

#### Carbon emissions

Carbon emission values represent total Scope 1 and 2, net-to-net, floor stationary energy (energy used in buildings).

#### Floor area

Floor area used is plotted on the charts as floor area is typically the main factor influencing significant year on year changes in environmental impacts. Carpark floor area is excluded. Floor area is the average value for each year.

#### Peer group

Your peer group is 'Total used (TC)'. Members of this group are: Deakin Hospital, Bendigo Campus, Bant Hospital, Calder Medical Hospital Campus, Charleson Campus, Donald Campus, Edenhope Hospital, Frank Hospital, Heathcote Hospital, Ingham Hospital, Oribara Hospital - all buildings as operating.

#### OBD

OBD = Occupied Bed Days, Sleep = Separators.

#### Expenditure rates

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

If your value is not shown, it is more than 100% above or below the peer group average. Your value is provided in the table on page 2.

# Energy and water performance report 2020-21

## Donald Campus

### Environmental impacts & energy use

	2018-19	2019-20	2020-21
<b>Energy use</b>			
Electricity (MWh)	192	308	293
Liquefied Petroleum Gas (tL)	17	12	31
<b>Carbon emissions (thousand tonnes of CO<sub>2</sub>e)</b>			
Electricity	0	0	0.29
Liquefied Petroleum Gas	0	0	0.05
Total emissions	0	0	0.33
<b>Water use (millions litres)</b>			
Potable Water	1	2	4.26

### Factors influencing environmental impacts

	2018-19	2019-20	2020-21
Floor area (m <sup>2</sup> )	2,942	2,942	2,942
Separations	403	247	317
In-Patient Bed Days	996	906	618
Aged Care Bed Nights	3,353	3,325	3,532

### Benchmarks | 2020-21

	Average for peer group	Your value	% above/below ave.
<b>Carbon emissions</b>			
CO <sub>2</sub> e(t) per m <sup>2</sup>	0.12	0.11	-7%
CO <sub>2</sub> e(t) per DBD	0.05	0.08	71%
CO <sub>2</sub> e(t) per seps	1.31	1.06	-20%
<b>Water use</b>			
kl per m <sup>2</sup>	1.05	1.45	38%
kl per DBD	0.43	1.03	140%
kl per Seps	11.89	13.43	11%
<b>Expenditure rates</b>			
Total utility spend (\$/m <sup>2</sup> )	32	29.75	-6.3%
Elec (\$/kWh)	0	0.21	-0.8%
Potable Water (\$/kl)	4	2.58	-27.1%
LPG (\$/kl)	561	408.30	-11.2%
<b>Additional measures (not included in benchmarking chart)</b>			
Total utility spend (\$/Separations)		276.12	
Total utility spend (\$/In-Patient Bed Days)		141.63	
Total utility spend (\$/Aged Care Bed Nights)		24.78	

#### Expenditure rates

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

### General notes

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- 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 (DBD) include both inpatient and aged care data, unless stated otherwise.

# Energy and water performance report

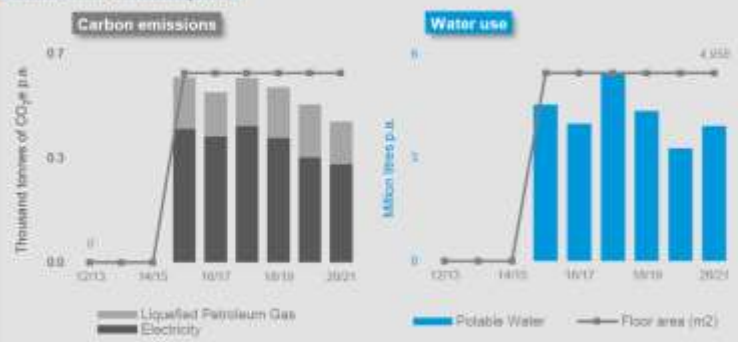
## 2020-21

### St Arnaud Campus

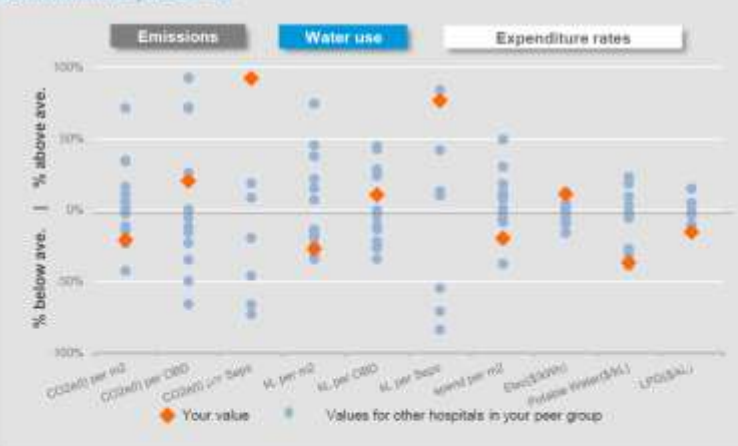
#### Expenditure

	2019-20 [\$ thousand]	2020-21 [\$ thousand]	Change from previous year
Electricity	\$79	\$76	-3.6%
Liquefied Petroleum Gas	\$74	\$42	-43.3%
Potable Water	\$8	\$9	12.1%
<b>TOTAL</b>	<b>\$160</b>	<b>\$127</b>	<b>-21.1%</b>

#### Environmental impacts



#### Benchmarks | 2020-21



#### Questions?

For assistance with the interpretation of the report please contact the Department at [costs@victoriagov.vic.gov.au](mailto:costs@victoriagov.vic.gov.au)

#### GST

All values are GST inclusive.

#### Carbon emissions

Carbon emissions values represent total Scope 1 and 2 carbon emissions from stationary energy (energy used in buildings).

#### Floor area

Floor area used is plotted on the charts as floor area is typically the main factor influencing significant year-on-year changes in environmental impacts. Carpeted floor area is included. Floor area is the average value for each year.

#### Peer group

Your peer group is 'Rural and LPHC'. Members of this group are: Bendigo Hospital, Boroac Campus, Sisseton Hospital, Calder Memorial Hospital Campus, Charter Campus, Denali Campus, Edenhope Hospital, Foster Hospital, Heathcote Hospital, Ingham Hospital, Orford Hospital - all buildings on Boundary Street.

#### ODD

ODD - Occupied Bed Days, Beds - Separations

#### Expenditure rates

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

If your value is not shown, it is more than 100% above or below the peer group average. Your value is provided in the table on page 2.



# Energy and water performance report

## 2020-21

### St Arnaud Campus

#### Environmental impacts & energy use

	2018-19	2019-20	2020-21
<b>Energy use</b>			
Electricity (MWh)	377	354	326
Liquefied Petroleum Gas (MJ)	105	110	88
<b>Carbon emissions (thousand tonnes of CO<sub>2</sub>e)</b>			
Electricity	0	0	0.32
Liquefied Petroleum Gas	0	0	0.14
Total emissions	1	1	0.46
<b>Water use (millions litres)</b>			
Potable Water	4	3	3.80

#### Factors influencing environmental impacts

	2018-19	2019-20	2020-21
Floor area (m <sup>2</sup> )	4,958	4,958	4,958
Separations	234	199	181
In-Patient Bed Days	1,427	959	943
Aged Care Bed Nights	9,304	7,594	7,088

#### Benchmarks | 2020-21

	Average for peer group	Your value	% above/below ave.
<b>Carbon emissions</b>			
CO <sub>2</sub> e(t) per m <sup>2</sup>	0.12	0.09	-21%
CO <sub>2</sub> e(t) per OBD	0.05	0.06	20%
CO <sub>2</sub> e(t) per Seps	1.31	2.52	92%
<b>Water use</b>			
kl per m <sup>2</sup>	1.05	0.77	-27%
kl per OBD	0.43	0.47	11%
kl per Seps	11.89	21.00	77%
<b>Expenditure rates</b>			
Total utility spend (\$/m <sup>2</sup> )	32	25.53	-19.6%
Elec(\$/kWh)	0	0.23	11.1%
Potable Water(\$/kl)	4	2.25	-36.6%
LPG(\$/kl)	561	474.17	-15.5%
<i>Additional measures (not included in benchmarking chart)</i>			
Total utility spend (\$/Separations)		699.45	
Total utility spend (\$/In-Patient Bed Days)		134.25	
Total utility spend (\$/Aged Care Bed Nights)		17.86	

#### 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 Sight. 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.

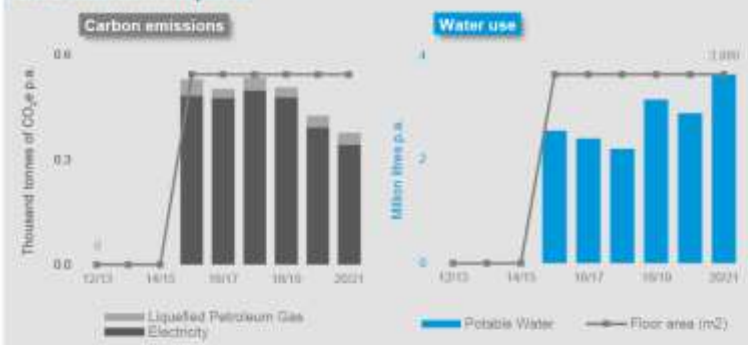
# Energy and water performance report 2020-21

## Wycheproof Campus

### Expenditure

	2019-20 (\$ thousand)	2020-21 (\$ thousand)	Change from previous year
Electricity	\$85	\$79	-7.2%
Liquefied Petroleum Gas	\$14	\$11	-23.1%
Potable Water	\$7	\$8	17.0%
<b>TOTAL</b>	<b>\$106</b>	<b>\$97</b>	<b>-7.8%</b>

### Environmental impacts



### Benchmarks | 2020-21



### Questions?

For assistance with the interpretation of this report please contact the Department at [sustainability@hh.vic.gov.au](mailto:sustainability@hh.vic.gov.au)

### GST

All values are GST exclusive.

### Carbon emissions

Carbon emission values represent total Scope 1 and 2 carbon emission from stationary energy (energy used in buildings).

### Floor area

Floor area (m<sup>2</sup>) is plotted on the charts as floor area is typically the main factor influencing significant year on year changes in environmental impacts. (Aspark floor area is excluded, floor area is the average value for each year).

### Peer group

Your peer group is Total user (TC). Members of this group are: Seewell Hospital, Birchip Campus, Beest Hospital, Casterton Memorial Hospital Campus, Charlton Campus, Sealed Campus, Selkridge Hospital, Foster Hospital, Heathcote Hospital, Ingwood Hospital, Okehampton Hospital – all buildings on boundary.

### OBD

OBD = Occupied Bed Days, Base = Separators

### Expenditure rates

Expenditure rates are calculated by dividing total expenditure with total consumables (m<sup>3</sup>).

If your value is not shown, it is more than 100% above or below the peer group average. Your value is provided in the table on page 2.

# Energy and water performance report 2020-21

## Wycheproof Campus

### Environmental impacts & energy use

	2018-19	2019-20	2020-21
<b>Energy use</b>			
Electricity (MWh)	458	393	358
Liquefied Petroleum Gas (kJ)	18	22	22
<b>Carbon emissions (thousand tonnes of CO<sub>2</sub>e)</b>			
Electricity	0	0	0.35
Liquefied Petroleum Gas	0	0	0.01
Total emissions	1	0	0.39
<b>Water use (millions litres)</b>			
Potable Water	3	3	3.47

### Factors influencing environmental impacts

	2018-19	2019-20	2020-21
Floor area (m <sup>2</sup> )	3,880	3,880	3,880
Separations	62	56	51
In-Patient Bed Days	409	401	305
Aged Care Bed Nights	9,982	8,296	7,827

### Benchmarks | 2020-21

	Average for peer group	Your value	% above/below ave.
<b>Carbon emissions</b>			
CO <sub>2</sub> e(t) per m <sup>2</sup>	0.12	0.10	-14%
CO <sub>2</sub> e(t) per OBD	0.05	0.05	0%
CO <sub>2</sub> e(t) per 5cpi	1.51	7.56	476%
<b>Water use</b>			
kl per m <sup>2</sup>	1.05	0.89	-15%
kl per OBD	0.43	0.43	0%
kl per 5cpi	11.89	68.03	472%
<b>Expenditure rates</b>			
Total utility spend (\$/m <sup>2</sup> )	32	25.08	-21.0%
Elec(\$/kWh)	0	0.22	4.0%
Potable Water(\$/kl)	4	2.26	-36.1%
LPG(\$/kl)	561	491.38	-12.4%
<b>Additional measures (not included in benchmarking chart)</b>			
Total utility spend (\$/Separations)		1,907.88	
Total utility spend (\$/In-Patient Bed Days)		519.02	
Total utility spend (\$/Aged Care Bed Nights)		12.43	

#### 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.



### 3. Action Plans

Management and communications	Timescale	Responsibility	Progress
Review environment policy.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Make sure environmental sustainability issues (e.g. greenhouse gas emissions and climate change) are considered in reviews of the corporate or strategic plans.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Involve EWHS staff in any future master planning with consideration to Environmental Sustainability	Ongoing	Exective	Ongoing 2020-2024
Encourage staff to suggest innovative ideas on how the organisation can reduce its environmental impacts. The EMS Committee will reward Campuses for good recycling practices.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Objectives and action plan reviewed and seek endorsement from Executive.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Ensure any construction / demolition work is undertaken with environmental considerations (e.g. recycling building material)	Ongoing	DHHS/ EWHS Executive	Ongoing 2020-2024
Education and training	Timescale	Responsibility	Progress
Incorporate environmental program objectives into an induction program for new staff and contractors is done & maintained.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Purchasing choices	Timescale	Responsibility	Progress
PROCUREMENT			
Identify the purchasing information captured by the finance system (i.e. cost codes, descriptions, units, dollar amounts).	Ongoing	Env. C'ttee	Ongoing 2020-2024

<b>Management and communications</b>	<b>Timescale</b>	<b>Responsibility</b>	<b>Progress</b>
<b>Biodiversity and water quality</b>	<b>Timescale</b>	<b>Responsibility</b>	<b>Progress</b>
Community gardens established at each campus that are managed by residents and/community members.	Ongoing	Env. C'ttee	Ongoing 2020-2024
<b>Other environmental impacts</b>	<b>Timescale</b>	<b>Responsibility</b>	<b>Progress</b>
Report against key indicators 6 monthly to SQS and H&S Committee, including reference to targets and progress on actions undertaken and future areas of focus for the next period.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Communicate 6 monthly environmental performance (including reference to targets) information to all staff/visitors via a range of methods, including noticeboards, email, and intranet site.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Ensure public reporting of environmental performance, targets and achievements (via Quality Account or website) & Community Engagement Forums	Ongoing	Executive	Complete
<b>CONTINUOUS IMPROVEMENT</b>			
Evaluate and improve the waste and environmental management system/program as required.	Ongoing	Support Services Manager/Infection Control Coordinator	Ongoing 2020-2024
Develop a program or process for capturing ideas from staff on how the organisation can reduce its environmental impacts.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Investigate rewards to encourage staff to suggest innovative ideas on how the organisation can reduce its environmental impacts.	Ongoing	Env. C'ttee	Ongoing 2020-2024
Review targets and update when performance is significantly above or below targets, or when the target date is met. Inform all staff levels of performance against targets (See Monitoring Plan).	Ongoing	Env. C'ttee	Ongoing 2020-2024
Measure and compare performance indicators for the management of waste internally and with external systems and manage improvements to ensure better practice.		Support Services Manager /Infection Control Coordinator	Complete

Theme	Completed Actions	Timing	Outcome
Launch	Introduce policy, strategy and staff communications campaign at June staff meeting. Include a 'organic or rubbish free' lunch or morning tea.	June 11	June 11
Newsletter/EWHS Informer	Update Waste Watchers newsletter to include all Sustainability Actions, including waste data and other performance initiatives. Newsletter distributed 6 monthly. Update information going forward published in the EWHS Informer	First edition in March 12	Ongoing 2020-2024
Website & intranet	<b>Website:</b> Promote environment policy and achievements. <b>Intranet:</b> Inform staff of who's who on Environment team, positive results obtained, upcoming activities, actions they can take at work and home, and where they find more information.	Ongoing	Ongoing 2020-2024
Waste and paper	<p style="text-align: center;"><b>Waste activities:</b></p> <ul style="list-style-type: none"> <li>● Visual audit of your bins – what's the biggest problem? Focused campaign.</li> <li>● Promote recycling services including fluoro tubes, mobile phones and printer cartridges, paper towel</li> <li>● Promote battery recycling</li> </ul> <p><b>Paper activities:</b></p> <ul style="list-style-type: none"> <li>● Promote "Are You a Paper Waster" – number sheets used etc.</li> <li>● Promote use of recycled content paper to purchasing staff</li> <li>● Run a "Go Paperless" event (see <a href="http://www.dosomething.com.au">www.dosomething.com.au</a> for ideas)</li> <li>● Default staff to duplex printing</li> <li>● Managers to campaign and commit publicly to editing on screen</li> </ul>	Dec 11– Feb 2012	<p>Mach 2012</p> <p>Feb 2012</p> <p>April 2012</p> <p>Feb 2012</p>
Water and transport	<p style="text-align: center;"><b>Water activities:</b></p> <ul style="list-style-type: none"> <li>● Promote current water usage and target for reduction</li> <li>● Distribute guidelines and signs on water capture and reuse systems.</li> <li>● Inform staff on water achievements and at-home tips.</li> <li>● Investigate opportunities for using more reclaimed water (e.g. tanks)</li> </ul> <p><b>Transport activities:</b></p> <ul style="list-style-type: none"> <li>● Communications to staff, e.g. car pooling made easy – Online car booking system</li> </ul>	<p>June12</p> <p>Ongoing</p>	<p>December 2011</p> <p>Jan 2012</p> <p>Ongoing 2020-2024</p> <p>March 2012</p>



Theme	Completed Actions	Timing	Outcome
Purchasing and energy	<p style="text-align: center;"><b>Energy activities:</b></p> <ul style="list-style-type: none"> <li>● Promote correct usage of lights / heating and cooling (costs to the organisation / rewards for correct behavior)</li> <li>● 'Switch off' signs.</li> <li>● Inform staff of impact of lights off</li> </ul> <p><b>Purchasing activities:</b></p> <ul style="list-style-type: none"> <li>● Switch to more green products.</li> <li>● Inform staff of green purchasing options.</li> </ul>	June 12	2011  2011  Ongoing 2020-2024
Waste and paper	<p style="text-align: center;"><b>Waste activities:</b></p> <ul style="list-style-type: none"> <li>● Send out email on what the signs mean and printing instructions.</li> <li>● Maximising recycling at home.- participated in Sustainability Vic. Greenhouse Games</li> </ul> <p><b>Paper activities:</b></p> <ul style="list-style-type: none"> <li>● Default printers to duplex printing</li> <li>● Managers to campaign and commit publicly to editing on screen</li> </ul>	August – September 11 Nov-Dec11	Dec 2011  April 2012 Feb 2012
Feedback Loop	<p style="text-align: center;"><b>Evaluation:</b></p> <ul style="list-style-type: none"> <li>● Staff tips / suggestions are included in the newsletters for promotion</li> </ul>	2012	2013

SQS - SAFETY AND QUALITY SYSTEMS COMMITTEE  
 DHHS - DEPARTMENT OF HEALTH AND HUMAN SERVICES  
 DSE - DEPARTMENT OF SUSTAINABILITY AND ENVIRONMENT  
 ESC – ENVIRONMENTAL SUSTAINABILITY COMMITTEE

#### 4. Data Management Plan

Indicator	Method	Frequency	Data recording	Responsibility	Report to	Status
Transport (data required for pool, dedicated and hire vehicles) <ul style="list-style-type: none"> <li>Fuel consumption (litres &amp; GJ)</li> <li>Kilometres travelled</li> </ul>	Data from fleet manager (internal)	Quarterly	Listing of km and fuel usage by work unit	EDMS Reports – Finance Department	SQS ESC DHHS	2020- 2024
<ul style="list-style-type: none"> <li>Greenhouse gas emissions (tonnes CO<sub>2</sub>e)</li> </ul>	Conversion of km and fuel use data using DSE template	Quarterly	Included in report with above item	Spreadsheet calculation	SQS ESC DHHS	2020- 2024
<b>Energy</b> <ul style="list-style-type: none"> <li>Total use (kWh)</li> <li>Use per square meter (MJ)</li> <li>Greenhouse gas emissions (tonnes CO<sub>2</sub>-e)</li> <li>GreenPower (KWh and % of total) and cost (\$)</li> </ul>	Data from property managers, utilities bills and suppliers	Quarterly	Spreadsheet of use and cost data by building	EDMS Reports– Finance Department	SQS ESC DHHS	2020- 2024
<b>Paper</b> <ul style="list-style-type: none"> <li>Total use (reams of A4 equivalent)</li> <li>% total A4 paper purchase with recycled content</li> </ul>	Report from stationery supplier via purchasing manager	Quarterly	Listing of A4 purchases and % recycled content by work unit	Purchasing manager	SQS ESC DHHS	2020- 2024

Indicator	Method	Frequency	Data recording	Responsibility	Report to	Status
<p><b>Water</b></p> <ul style="list-style-type: none"> <li>• Consumption (litres)</li> <li>• Water per FTE</li> <li>• Water per square meter</li> </ul>	Data from property managers, utilities bills and suppliers	Quarterly	Spreadsheet of use and cost data by building	EDMS Reports – Finance Department	SQS ESC DHHS and DSE Office of Water	2020- 2024
<p><b>Waste</b></p> <ul style="list-style-type: none"> <li>• Waste generated per bed day (kg)</li> <li>• Landfill per bed day (kg)</li> <li>• Total recycled (kg)</li> <li>• Number of bed days</li> </ul>	<p>Waste audit report. Sum of landfill and recycling data</p> <p>One central and one regional office waste audit</p> <p>Waste audits, report from secure document shredding, toner cartridge recycling and Green Collect</p>	Monthly	Waste audit report and template	Waste Officers	SQS ESC DHHS	2020- 2024



## 5. Monitoring, Review and Continuous Improvement

### 5.1 Monitoring schedule

What	How	How often	Records	Who
Carbon	Energy accounts	Quarterly	Energy data / carbon conversion factors	Finance
Energy use	Energy accounts	Monthly	Energy data	Finance
Water use	Water bills	Monthly	Water data	Finance
General waste	Contractor data	Monthly	Spreadsheet	Environmental Services
Clinical waste	Contractor data	Monthly	Invoice/ report from contractor	Environmental Services
Paper use	Purchase records	Monthly	Reports from invoice system	Finance
Fuel use	Monthly bills and vehicle fleet log records	Monthly	Spreadsheet	Fleet Manager

### 5.2 Review and progress reporting

The progress of the EMP will be reviewed by the Environmentally Sustainability Committee.

Progress in implementing the EMP will be reported to the Environmental Sustainability Committee, SQS Committee and Board of Management

Performance progress and key achievements will be reported publicly through the Community Engagement Newsletters/Forum and EWHS Website.

The EMP will be comprehensively reviewed and updated annually.