

Ballarat Health Services Carbon Emissions for the Financial Year 2013-2014

Inventory Boundaries

Ballarat Health Services includes all energy related emissions from or relating to the buildings listed in table 1. Excluded from this list are Business Unit related activities specifically Eureka Linen and Safety Link.

Table 1

Base Hospital	Drummond St Ballarat
Queen Elizabeth Centre	Ascot St Ballarat
Midlands Site	Norman St Ballarat
Wendouree Site	Gillies St Wendouree
Sebastopol Site	Morgan St Sebastopol
Eureka Site	Balmoral Court Ballarat
Other Sites	a combination of several small sites

Ballarat Health Services Carbon emissions 2013-2014								
Emission Source	Consumption units	Consumption	CO ₂ -e (tonnes)	Proportion of inventory (%)	2010-2011 CO ₂ -e (tonnes)	2011-2012 CO ₂ -e (tonnes)	2012-2013 CO ₂ -e (tonnes)	% difference from previous year
Direct emissions (Scope 1)								
Natural Gas	GJ	92373.40	4741.53	19.33	4634.68	4835.36	4776.40	-0.74%
Petrol for vehicles (estimated)	kL	210.75	501.66	2.04	619.95	497.78	420.09	16.26%
Diesel for vehicles	kL	51.35	138.55	0.56	102.26	98.43	110.20	20.46%
Stationary diesel	kL	25.83	69.29	0.28	26.34	21.47	68.33	1.39%
LPG for Vehicles	kL	5.10	7.85	0.03	0.00	0.00	0	100.00%
Total Scope 1			5451.03	22.22	5383.24	5453.04	5375.02	1.39%
Direct emissions (Scope 2)								
Electricity Peak		8768196.937	10609.52	43.24	9038.60	9396.04	10185.68	3.99%
Electricity Off Peak		7002506.593	8473.03	34.54	7157.46	7439.84	8068.08	4.78%
Purchased Electricity	kWh	15770703.53	19082.55	77.78	16196.06	16835.87	18253.75	4.34%
Total Scope 2			19082.55	77.78	16196.06	16835.87	18253.75	4.34%
Net emissions			24533.58		21753.58	22288.92	23628.77	
% increase over previous year			3.69%			3.18%	5.67%	
Floor area	m ²	105552						
Emissions			0.2324	tCO ₂ -e/m ²	0.2261	0.2318	0.2313	
% increase over previous year			0.48%			3.18%	-0.21%	
Water	kL	112673			114546.00	105017	115397	-2.42%