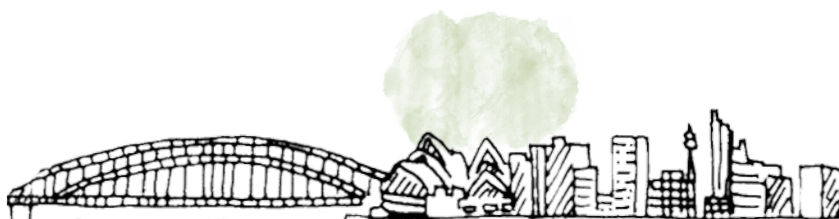


## Asset Performance Statistics

# Yallourn Australia

- Brown coal-fired power station and captive mine
- 1,480MW (2 x 360MW, 2 x 380MW)
- Plant commissioned between 1974 and 1982
- Wholly owned and operated by CLP



Parameter	Unit	2015	2014	2013	2012	2011
<b>1. Operation</b>						
Electricity sent out <sup>(1)</sup>	GWh	<b>10,256</b>	9,806	7,744	8,184	10,663
Coal consumed	TJ	<b>152,669</b>	146,249	119,827	124,122	159,459
Oil consumed	TJ	<b>361</b>	341	441	293	316
Thermal efficiency	%	<b>24.3</b>	24.2	23.3	23.8	24.2
Equivalent availability factor (EAF)	%	<b>84.6</b>	83.3	74.9	90.2	88.3
<b>2. Air Emissions</b>						
CO <sub>2</sub> e (Scopes 1 & 2)	KT	<b>14,635</b>	14,008	11,478	11,945	15,408
SO <sub>2</sub> <sup>(2)</sup>	KT	<b>21.3</b>	20.4	18.0	19.0	19.3
NO <sub>x</sub> <sup>(2)</sup>	KT	<b>15.2</b>	15.3	14.1	14.1	18.2
Particulate (Total) <sup>(3)</sup>	KT	<b>6.3</b>	5.5	3.3	3.1	4.6
<b>3. Water</b>						
Water Withdrawal	Mm <sup>3</sup>	<b>29.4</b>	26.9	22.6	22.4	31.0
from marine water resources <sup>(4)</sup>	Mm <sup>3</sup>	-	-	-	-	-
from freshwater resources	Mm <sup>3</sup>	<b>28.1</b>	25.8	21.4	21.3	29.7
from municipal sources	Mm <sup>3</sup>	<b>1.3</b>	1.1	1.1	1.1	1.2
Water Discharged	Mm <sup>3</sup>	<b>14.2</b>	16.3	11.6	7.2	19.5
treated wastewater discharged to sea <sup>(4)</sup>	Mm <sup>3</sup>	-	-	-	-	-
treated wastewater discharged to freshwater bodies	Mm <sup>3</sup>	<b>12.6</b>	14.5	10.1	5.5	17.7
wastewater discharged to sewerage	Mm <sup>3</sup>	<b>1.6</b>	1.8	1.5	1.7	1.8
Water Reused / Recycled	Mm <sup>3</sup>	<b>0</b>	0.1	0	0	0
<b>4. Environmental Compliance</b>						
Regulatory non-compliances resulting in fines or prosecutions	No.	<b>1</b>	0	0	0	0
Licence limit exceedances & other non-compliances	No.	<b>0</b>	0 <sup>(5)</sup>	1	1	0

## Asset Performance Statistics

# Yallourn Australia

- Brown coal-fired power station and captive mine
- 1,480MW (2 x 360MW, 2 x 380MW)
- Plant commissioned between 1974 and 1982
- Wholly owned and operated by CLP



Parameter	Unit	2015	2014	2013	2012	2011
<b>5. By-products &amp; Waste Management</b>						
Ash produced	kT	<b>260</b>	283	239	279	352
Ash recycled / sold	kT	<b>0</b>	0	0	0	0
Hazardous waste <sup>(6)</sup>						
produced	T (solid) / kl (liquid)	<b>211 / 223</b>	213 / 245	173 / 211	71 / 229	263 / 156
recycled	T (solid) / kl (liquid)	<b>1 / 222</b>	0.3 / 232	0.3 / 211	1 / 229	2 / 142
disposed	T (solid) / kl (liquid)	<b>209 / 1</b>	213 / 13	172 / 0	70 / 0.2	261 / 15
Non-hazardous waste <sup>(6)</sup>						
produced	T (solid) / kl (liquid)	<b>1,945 / 0</b>	2,527 / 0	1,666 / 0	2,010 / 0	2,989 / 0
recycled	T (solid) / kl (liquid)	<b>1,043 / 0</b>	867 / 0	306 / 0	893 / 0	1,426 / 0
disposed	T (solid) / kl (liquid)	<b>902 / 0</b>	1,660 / 0	1,360 / 0	1,117 / 0	1,563 / 0
<b>6. Safety</b>						
Employee - Fatalities	No.	<b>0</b>	0	0	0	0
Employee - Days lost / charged	Days	<b>13</b>	25	0	0	2
Employee - Lost Time Injuries <sup>(7)</sup>	Cases	<b>3</b>	2	-	-	-
Employee - Occupational Disease <sup>(7)</sup>	Cases	<b>0</b>	0	-	-	-
Employee - Total Work Hours <sup>(7)</sup>	Manhours	<b>371,959</b>	379,371	-	-	-
Contractor - Fatalities <sup>(7)</sup>	No.	<b>0</b>	0	-	-	-
Contractor - Lost Time Injuries <sup>(7)</sup>	Cases	<b>2</b>	3	-	-	-
Contractor - Total Work Hours <sup>(7)</sup>	Manhours	<b>1,033,339</b>	1,147,536	-	-	-

### Notes:

(1) Sent out, with mine.

(2) SO<sub>2</sub> and NO<sub>x</sub> data derived from plant emissions monitoring conducted every six months.

(3) Particulate emissions from power generation only during 2010-2013, emissions from mine sources included since 2014.

(4) Not applicable to Yallourn.

(5) Data updated to reflect compliance status as per local Environmental Protection Authority's notification.

(6) Waste categorised in accordance with local regulations. Contractor waste is included.

(7) Started reporting in 2014.

2015 data have been independently verified by V&C Environment Consultants Pty Limited.