

Asset Performance Statistics

Mount Piper

- Coal-fired power station
- 1,400MW (2 x 700MW)
- Plant commissioned in 1992
- Shareholding of 100% acquired in 2013 with operational control by CLP



Parameter	Unit	2016	2015	2014
1. Operation				
Electricity sent out	GWh	7,264	5,109	7,694
Coal consumed	TJ	75,607	52,941	78,004
Oil consumed	TJ	208	298	180
Thermal efficiency	%	35.4	35.1	35.2
Equivalent availability factor (EAF)	%	77.6	86.6	88.6
2. Air Emissions				
CO ₂ e (Scopes 1 & 2)	kT	6,785	4,773	6,963
CO ₂ (Scopes 1 & 2)	kT	6,767	4,760	6,945
SO _x	kT	31.2	23.3	36.2
NO _x	kT	21.5	18.0	23.9
Particulate (Total)	kT	0.3	0.1	0.3
3. Water				
Water Withdrawal	Mm ³	10.1	7.2	11.2
from marine water resources ⁽¹⁾	Mm ³	-	-	-
from freshwater resources	Mm ³	10.1	7.2	11.2
from municipal sources ⁽¹⁾	Mm ³	-	-	-
Water Discharged	Mm ³	0	0	0
treated wastewater discharged to sea ⁽¹⁾	Mm ³	-	-	-
treated wastewater discharged to freshwater bodies ⁽²⁾	Mm ³	0	0	0
wastewater discharged to sewerage ⁽²⁾	Mm ³	0	0	0
Water Reused / Recycled	Mm ³	782	619	785
4. Environmental Compliance				
Regulatory non-compliances resulting in fines or prosecutions	No.	0	0	0
Licence limit exceedances & other non-compliances	No.	0	0	0

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5. By-products & Waste Management

Ash produced	kT	789	514	751
Ash recycled / sold	kT	216	201	203
Hazardous waste ⁽³⁾				
produced	T (solid) / kl (liquid)	2 / 0	8 / 0	0.1 / 1
recycled	T (solid) / kl (liquid)	2 / 0	7 / 0	0 / 0
disposed	T (solid) / kl (liquid)	0 / 0	1 / 0	0.1 / 1
Non-hazardous waste ⁽³⁾				
produced	T (solid) / kl (liquid)	207 / 83	197 / 198	361 / 78
recycled	T (solid) / kl (liquid)	106 / 83	126 / 198	225 / 78
disposed	T (solid) / kl (liquid)	102 / 0	70 / 0	137 / 0

6. Safety

Employee - Fatalities	No.	0	0	0
Employee - Days lost / charged	Days	0	2	0
Employee - Lost Time Injuries	Cases	0	1	0
Employee - Occupational Disease	Cases	0	0	0
Employee - Total Work Hours	Manhours	338,814	247,312	323,490
Contractor - Fatalities	No.	0	0	0
Contractor - Lost Time Injuries	Cases	1	0	1
Contractor - Total Work Hours	Manhours	297,116	121,207	166,148

Notes:

(1) Not applicable to Mount Piper.

(2) All wastewater is treated and reused on site, no wastewater is being discharged out of site boundary.

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