

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	2017	2016	2015	2014
1. Operation					
Electricity sent out	GWh	6,880	7,264	5,109	7,694
Coal consumed	TJ	70,938	75,607	52,941	78,004
Oil consumed	TJ	221	208	298	180
Thermal efficiency	%	36.6	35.4	35.1	35.2
Equivalent availability factor (EAF)	%	75.8	77.6	86.6	88.6
2. Air Emissions					
CO ₂ e (Scopes 1 & 2)	kT	6,405	6,785	4,773	6,963
CO ₂ (Scopes 1 & 2)	kT	6,402	6,767	4,760	6,945
SO _x	kT	30.0	31.2	23.3	36.2
NO _x	kT	21.7	21.5	18.0	23.9
Particulate (Total)	kT	0.3	0.3	0.1	0.3
3. Water					
Water Withdrawal	Mm ³	9.8	10.1	7.2	11.2
from marine water resources ⁽¹⁾	Mm ³	-	-	-	-
from freshwater resources	Mm ³	9.8	10.1	7.2	11.2
from municipal sources ⁽¹⁾	Mm ³	-	-	-	-
Water Discharged	Mm ³	0	0	0	0
treated wastewater discharged to sea ⁽¹⁾	Mm ³	-	-	-	-
treated wastewater discharged to freshwater bodies ⁽²⁾	Mm ³	0	0	0	0
wastewater discharged to sewerage ⁽²⁾	Mm ³	0	0	0	0
Water Reused / Recycled	Mm ³	746	782	619 ⁽³⁾	785 ⁽³⁾
4. Environmental Compliance					
Regulatory non-compliances resulting in fines or prosecutions	No.	0	0	0	0
Licence limit exceedances & other non-compliances	No.	0	0	0	0
5. By-products & Waste Management					
Ash produced	kT	777	789	514	751
Ash recycled / sold	kT	226	216	201	203
Hazardous waste ⁽⁴⁾					
produced	T (solid) / kl (liquid)	0 / 0	2 / 0	8 / 0	0.1 / 1
recycled	T (solid) / kl (liquid)	0 / 0	2 / 0	7 / 0	0 / 0
disposed	T (solid) / kl (liquid)	0 / 0	0 / 0	1 / 0	0.1 / 1
Non-hazardous waste ⁽⁴⁾					
produced	T (solid) / kl (liquid)	276 / 103	207 / 83	197 / 198	361 / 78
recycled	T (solid) / kl (liquid)	171 / 103	106 / 83	126 / 198	225 / 78
disposed	T (solid) / kl (liquid)	106 / 0	102 / 0	70 / 0	137 / 0

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6. Safety					
Employee					
Fatalities	No.	0	0	0	0
Days lost / charged	Days	26	0	2	0
Lost Time Injuries	Cases	2	0	1	0
Occupational Disease	Cases	0	0	0	0
Total Work Hours	Manhours	331,714	338,814	247,312	323,490
Contractor					
Fatalities	No.	0	0	0	0
Lost Time Injuries	Cases	2	1	0	1
Total Work Hours	Manhours	280,047	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⁾ Data updated due to unit correction.
- ⁽⁴⁾ Waste categorised in accordance with local regulations. Contractor waste is included.