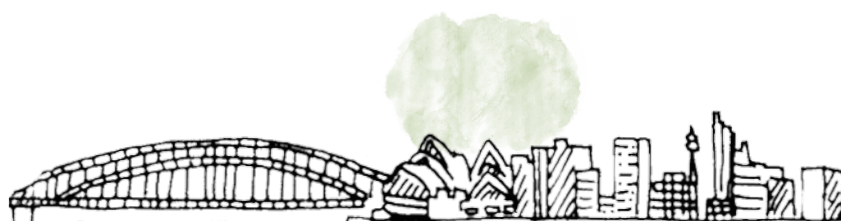


Asset Performance Statistics

Tallawarra Australia

- Gas-fired power station
- 420MW (1 gas turbine & 1 steam turbine)
- Plant commissioned in 2009
- Wholly owned and operated by CLP



Parameter	Unit	2015	2014	2013	2012	2011
1. Operation						
Electricity sent out	GWh	2,496	2,435	3,062	2,702	2,305
Gas consumed	TJ	18,067	17,520	21,720	19,574	16,524
Thermal efficiency	%	49.7	50.0	51.6	50.5	50.0
Equivalent availability factor (EAF)	%	91.5	82.2	93.7	95.5	82.4
2. Air Emissions						
CO ₂ e (Scopes 1 & 2)	kT	920	893	1,105	997	843
CO ₂ (Scopes 1 & 2)	kT	917	891	1,102	994	839
SO _x	kT	0.02⁽¹⁾	0.01 ⁽¹⁾	0.02 ⁽¹⁾	0.04	-
NO _x	kT	0.10	0.23	0.33	0.29	0.34
Particulate (Total)	kT	0.001⁽¹⁾	0.003 ⁽¹⁾	0.01 ⁽¹⁾	0.03	-
3. Water						
Water Withdrawal	Mm ³	352.20	369.22	402.35	379.91	340.71
from lake (marine) water resources	Mm ³	352.09	369.12	402.27	379.83	340.62
from freshwater resources ⁽²⁾	Mm ³	-	-	-	-	-
from municipal sources	Mm ³	0.11	0.09	0.09	0.08	0.09
Water Discharged	Mm ³	352.19	369.20	402.34	379.89	340.69
cooling water discharged to lake (marine)	Mm ³	352.09	369.12	402.27	379.83	340.62
treated wastewater discharged to water treatment wetland	Mm ³	0.10	0.07	0.07	0.05	0.07
wastewater discharged to sewerage	Mm ³	0.001	0.003	0	0.007	0
Water Reused / Recycled ⁽³⁾	Mm ³	-	-	-	-	-
4. Environmental Compliance						
Regulatory non-compliances resulting in fines or prosecutions	No.	0	1	0	0	0
Licence limit exceedances & other non-compliances	No.	1	2	1	0	5

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Parameter	Unit	2015	2014	2013	2012	2011
5. Waste Management ⁽⁴⁾						
Hazardous waste						
produced	T (solid) / kl (liquid)	0 / 0	0 / 0.2	0 / 0.4	0 / 1	6 / 36
recycled	T (solid) / kl (liquid)	0 / 0	0 / 0.2	0 / 0.4	0 / 0	6 / 0
disposed	T (solid) / kl (liquid)	0 / 0	0 / 0	0 / 0	0 / 1	0 / 36
Non-hazardous waste						
produced	T (solid) / kl (liquid)	33 / 1	44 / 0	34 / 0	29 / 1	58 / 0
recycled	T (solid) / kl (liquid)	2 / 1	4 / 0	3 / 0	3 / 1	4 / 0
disposed	T (solid) / kl (liquid)	31 / 0	40 / 0	31 / 0	26 / 0.03	54 / 0
6. Safety						
Employee - Fatalities	No.	0	0	0	0	0
Employee - Days lost / charged	Days	0	0	0	0	0
Employee - Lost Time Injuries ⁽⁵⁾	Cases	0	0	-	-	-
Employee - Occupational Disease ⁽⁵⁾	Cases	0	0	-	-	-
Employee - Total Work Hours ⁽⁵⁾	Manhours	45,638	65,758	-	-	-
Contractor - Fatalities ⁽⁵⁾	No.	0	0	-	-	-
Contractor - Lost Time Injuries ⁽⁵⁾	Cases	0	1	-	-	-
Contractor - Total Work Hours ⁽⁵⁾	Manhours	16,955	124,722	-	-	-

Notes:

- (1) Measurement data are below detection limits. Estimates on yearly emissions were made as required by local authorities.
 (2) Not applicable to Tallawarra.
 (3) A portion of the treated wastewater is reused on site but measurement data are not routinely collected.
 (4) Waste categorised in accordance with local regulations. Contractor waste is included.
 (5) Started reporting in 2014.