

Asset Performance Statistics

Penny's Bay Hong Kong

- Diesel-fired power station (backup facility providing quick-start support)
- 300MW (3 x 100MW)
- Plant commissioned in 1992
- Shareholding of 70% with operational control by CLP



Parameter	Unit	2015	2014	2013	2012	2011
1. Operation						
Electricity sent out	GWh	0.6	1.0	0.1	3.9	0.5
Oil consumed	TJ	11	16	5	61	10
Thermal efficiency	%	19.0	21.5	10.1	23.3	17.8
Equivalent availability factor (EAF)	%	100.0	95.7	100	91.9	96.5
2. Air Emissions						
CO ₂ e (Scope 1) ⁽¹⁾	kT	1.7	1.6	0.3	4.4	0.8
CO ₂ (Scope 1) ⁽¹⁾	kT	0.8	1.1	0.3	4.1	0.7
SO ₂	kT	0.000004	0.000008	0.000002	0.000005	0.000008
NO _x	kT	0.0012	0.0017	0.0005	0.006	0.001
Particulate (Total)	kT	0.00002	0.00003	0.00001	0.0001	0.00002
Particulate (Respirable)	kT	0.00002	0.00003	0.00001	0.0001	0.00002
3. Water						
Water Withdrawal	Mm ³	0.0007	0.0008	0.0007	0.0007	0.0011
from marine water resources ⁽²⁾	Mm ³	-	-	-	-	-
from freshwater resources	Mm ³	0⁽³⁾	0	0	0.0001	0.0005
from municipal sources	Mm ³	0.0007	0.0008	0.0007	0.0007	0.0006
Water Discharged	Mm ³	0	0	0	0	0.00002
treated wastewater discharged to sea	Mm ³	0	0	0	0	0.00002
treated wastewater discharged to freshwater bodies ⁽²⁾	Mm ³	-	-	-	-	-
wastewater discharged to sewerage ⁽⁴⁾	Mm ³	-	-	-	-	-
Water Reused / Recycled	Mm ³	0	0	0	0	0
4. Environmental Compliance						
Regulatory non-compliances resulting in fines or prosecutions	No.	0	0	0	0	0
Licence limit exceedances & other non-compliances	No.	0	0	0	0	0

Asset Performance Statistics

Penny's Bay Hong Kong

- Diesel-fired power station (backup facility providing quick-start support)
- 300MW (3 x 100MW)
- Plant commissioned in 1992
- Shareholding of 70% with operational control by CLP



Parameter	Unit	2015	2014	2013	2012	2011
5. Waste Management ⁽⁵⁾						
Hazardous waste						
produced	T (solid) / kl (liquid)	0 / 23	0 / 8	-	-	-
recycled	T (solid) / kl (liquid)	0 / 23	0 / 8	-	-	-
disposed	T (solid) / kl (liquid)	0 / 0	0 / 0	-	-	-
Non-hazardous waste						
produced	T (solid) / kl (liquid)	30 / 0	37 / 0	12 / 0	-	-
recycled	T (solid) / kl (liquid)	0 / 0	4 / 0	0 / 0	-	-
disposed	T (solid) / kl (liquid)	30 / 0	32 / 0	12 / 0	-	-

6. Safety ⁽⁶⁾						
Employee - Fatalities	No.	0	0	0	0	0
Employee - Days lost / charged	Days	0	0	0	62	12
Employee - Lost Time Injuries ⁽⁷⁾	Cases	0	0	-	-	-
Employee - Occupational Disease ⁽⁷⁾	Cases	0	0	-	-	-
Employee - Total Work Hours ⁽⁷⁾	Manhours	1,815,968	1,858,816	-	-	-
Contractor - Fatalities ⁽⁷⁾	No.	0	0	-	-	-
Contractor - Lost Time Injuries ⁽⁷⁾	Cases	2	0	-	-	-
Contractor - Total Work Hours ⁽⁷⁾	Manhours	3,980,288	4,343,822	-	-	-

Notes:

(1) Scope 2 emissions are included in Scope 1 as electricity consumed was generated within CLP Power Hong Kong's own organisational boundary.

(2) Not applicable to Penny's Bay.

(3) The quantity of water withdrawal from freshwater resources is negligible.

(4) Wastewater is collected by licenced collector to government sewage treatment facility for treatment and no measurement data is available.

(5) Waste categorised in accordance with local regulations. Contractor waste is included. Waste arising from Penny's Bay Power Station (hazardous waste during 2010-2013, non-hazardous waste during 2010-2012) is included in the data reported for Black Point Power Station.

(6) All safety and employee data are combined for the three power stations under Castle Peak Power Company (CAPCO).

(7) Started reporting in 2014.

2015 data have been independently reviewed by the Hong Kong Quality Assurance Agency (HKQAA).