

Asset Performance Statistics

Transmission & Distribution Network

Hong Kong

- Transmission and distribution system
- Over 14,700 kilometres of transmission and high voltage distribution lines
- 224 primary substations and 13,845 secondary substations
- Wholly owned and operated by CLP



Parameter	Unit	2015	2014	2013	2012	2011
1. Operation						
Transmission & distribution loss	GWh / %	1,411 / 4.1	1,467 / 4.3	1,351 / 4.1	1,383 / 4.1	1,333 / 4.1
Electricity used onsite	GWh	19	20	20	15	11
Petrol consumed	kl	1,045	1,086	1,076	1,028	996
Diesel consumed	kl	293	386	239	357	314
2. Greenhouse Gas Emissions						
CO ₂ e (Scope 1) ⁽¹⁾	kT	33	43	47	36	54
CO ₂ (Scope 1) ⁽¹⁾	kT	3	4	3	3	3
SF ₆	kT CO ₂ e	29	36	42	31	51
3. Water						
Water Withdrawal	Mm ³	0.06	0.05	0.06	0.05	0.02
from marine water resources ⁽²⁾	Mm ³	-	-	-	-	-
from freshwater resources	Mm ³	0⁽⁴⁾	- ⁽³⁾	- ⁽³⁾	- ⁽³⁾	- ⁽³⁾
from municipal sources	Mm ³	0.06	0.05	0.06	0.05	0.02
Water Discharged	Mm ³	0.003	0.003	0.003	0.003	0.003
treated wastewater discharged to sea	Mm ³	0.003	0.003	0.003	0.003	0.003
treated wastewater discharged to freshwater bodies ⁽²⁾	Mm ³	-	-	-	-	-
wastewater discharged to sewerage ⁽³⁾	Mm ³	-	-	-	-	-
Water Reused / Recycled ⁽³⁾	Mm ³	-	-	-	-	-
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

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Parameter	Unit	2015	2014	2013	2012	2011
5. Waste Management ⁽⁵⁾						
Hazardous waste						
produced	T (solid) / kl (liquid)	72 / 653	83 / 712	52 / 311	49 / 160	69 / 157
recycled	T (solid) / kl (liquid)	52 / 653	57 / 712	23 / 311	22 / 160	26 / 157
disposed	T (solid) / kl (liquid)	20 / 0	26 / 0	29 / 0	27 / 0.4	43 / 0
Non-hazardous waste						
produced	T (solid) / kl (liquid)	261 / 0	244 / 0	233 / 0	211 / 0	252 / 0
recycled	T (solid) / kl (liquid)	60 / 0	52 / 0	0 / 0	0 / 0	0 / 0
disposed	T (solid) / kl (liquid)	201 / 0	192 / 0	233 / 0	211 / 0	252 / 0
6. Safety						
Employee - Fatalities	No.	0	0	0	0	0
Employee - Days lost / charged	Days	0	76	14	178	530
Employee - Lost Time Injuries ⁽⁶⁾	Cases	0	1	-	-	-
Employee - Occupational Disease ⁽⁶⁾	Cases	0	0	-	-	-
Employee - Total Work Hours ⁽⁶⁾	Manhours	4,976,401	4,979,824	-	-	-
Contractor - Fatalities ⁽⁶⁾	No.	0	0	-	-	-
Contractor - Lost Time Injuries ⁽⁶⁾	Cases	2	2	-	-	-
Contractor - Total Work Hours ⁽⁶⁾	Manhours	6,745,188	7,149,582	-	-	-

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 Power Systems.
- (3) Measurement data are not routinely collected.
- (4) The quantity of water withdrawal from freshwater resources is negligible.
- (5) Waste categorised in accordance with local regulations. Contractor waste is excluded. Non-hazardous waste mainly includes construction waste, reporting scope expanded to include additional waste categories in 2014.
- (6) Started reporting in 2014.

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