

Asset Performance Statistics

Transmission & Distribution Network

- Transmission and distribution system
- Over 15,280 kilometres of transmission and high voltage distribution lines
- 230 primary substations and 14,254 secondary substations
- Wholly owned and operated by CLP



Parameter	Unit	2016	2015	2014	2013	2012
1. Operation						
Transmission & distribution loss	GWh / %	1,365 / 3.9	1,411 / 4.1	1,467 / 4.3	1,351 / 4.1	1,383 / 4.1
Electricity used onsite	GWh	18	19	20	20	15
Petrol consumed	kl	1,068	1,045	1,086	1,076	1,028
Diesel consumed	kl	224	293	386	239	357
2. Greenhouse Gas Emissions						
CO ₂ e (Scope 1) ⁽¹⁾	kT	31	33	43	47	36
CO ₂ (Scope 1) ⁽¹⁾	kT	3	3	4	3	3
SF ₆	kT CO ₂ e	27	29	36	42	31
3. Water						
Water Withdrawal	Mm ³	0.05	0.06	0.05	0.06	0.05
from marine water resources ⁽²⁾	Mm ³	-	-	-	-	-
from freshwater resources	Mm ³	0 ⁽⁴⁾	0 ⁽⁴⁾	- ⁽³⁾	- ⁽³⁾	- ⁽³⁾
from municipal sources	Mm ³	0.05	0.06	0.05	0.06	0.05
Water Discharged	Mm ³	0.004	0.003	0.003	0.003	0.003
treated wastewater discharged to sea	Mm ³	0.004	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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5. Waste Management ⁽⁵⁾						
Hazardous waste						
produced	T (solid) / kl (liquid)	100 / 278	72 / 653	83 / 712	52 / 311	49 / 160
recycled	T (solid) / kl (liquid)	83 / 276	52 / 653	57 / 712	23 / 311	22 / 160
disposed	T (solid) / kl (liquid)	16 / 2	20 / 0	26 / 0	29 / 0	27 / 0.4
Non-hazardous waste						
produced	T (solid) / kl (liquid)	342 / 0	261 / 0	244 / 0	233 / 0	211 / 0
recycled	T (solid) / kl (liquid)	18 / 0	60 / 0	52 / 0	0 / 0	0 / 0
disposed	T (solid) / kl (liquid)	324 / 0	201 / 0	192 / 0	233 / 0	211 / 0
6. Safety						
Employee - Fatalities	No.	0	0	0	0	0
Employee - Days lost / charged	Days	0	0	76	14	178
Employee - Lost Time Injuries ⁽⁶⁾	Cases	0	0	1	-	-
Employee - Occupational Disease ⁽⁶⁾	Cases	0	0	0	-	-
Employee - Total Work Hours ⁽⁶⁾	Manhours	5,089,486	4,976,401	4,979,824	-	-
Contractor - Fatalities ⁽⁶⁾	No.	0	0	0	-	-
Contractor - Lost Time Injuries ⁽⁶⁾	Cases	0	2	2	-	-
Contractor - Total Work Hours ⁽⁶⁾	Manhours	6,554,007	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.

2016 data have been independently reviewed by the Hong Kong Quality Assurance Agency (HKQAA).