

Transmission & Distribution Network

- Transmission and distribution system
- Over 15,670 kilometres of transmission and high voltage distribution lines
- 232 primary substations and 14,483 secondary substations
- Wholly owned and operated by CLP

Parameter	Unit	2017	2016	2015	2014	2013
1. Operation						
Transmission & distribution loss	GWh / %	1,321 / 3.8	1,365 / 3.9	1,411 / 4.1	1,467 / 4.3	1,351 / 4.1
Electricity used onsite	GWh	18	18	19	20	20
Petrol consumed	kl	1059	1068	1045	1086	1076
Diesel consumed	kl	262	224	293	386	239
2. Greenhouse Gas Emissions						
CO ₂ e (Scope 1) ⁽¹⁾	kT	37	31	33	43	47
CO ₂ (Scope 1) ⁽¹⁾	kT	3	3	3	4	3
SF ₆	kT CO ₂ e	28	27	29	36	42
3. Water						
Water Withdrawal	Mm ³	0.05	0.05	0.06	0.05	0.06
from marine water resources ⁽²⁾	Mm ³	-	-	-	-	-
from freshwater resources	Mm ³	0 ⁽⁴⁾	0 ⁽⁴⁾	0 ⁽⁴⁾	- ⁽³⁾	- ⁽³⁾
from municipal sources	Mm ³	0.05	0.05	0.06	0.05	0.06
Water Discharged	Mm ³	0.001	0.004	0.003	0.003	0.003
treated wastewater discharged to sea	Mm ³	0.001	0.004	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
5. Waste Management ⁽⁵⁾						
Hazardous waste						
produced	T (solid) / kl (liquid)	89 / 687	100 / 278	72 / 653	83 / 712	52 / 311
recycled	T (solid) / kl (liquid)	70 / 686	83 / 276	52 / 653	57 / 712	23 / 311
disposed	T (solid) / kl (liquid)	18 / 1	16 / 2	20 / 0	26 / 0	29 / 0
Non-hazardous waste						
produced	T (solid) / kl (liquid)	228 / 0	342 / 0	261 / 0	244 / 0	233 / 0
recycled	T (solid) / kl (liquid)	23 / 0	18 / 0	60 / 0	52 / 0	0 / 0
disposed	T (solid) / kl (liquid)	206 / 0	324 / 0	201 / 0	192 / 0	233 / 0

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Parameter	Unit	2017	2016	2015	2014	2013
6. Safety						
Employee						
Fatalities	No.	0	0	0	0	0
Days lost / charged	Days	47	0	0	76	14
Lost Time Injuries ⁽⁶⁾	Cases	1	0	0	1	-
Occupational Disease ⁽⁶⁾	Cases	0	0	0	0	-
Total Work Hours ⁽⁶⁾	Manhours	5,182,759	5,089,486	4,976,401	4,979,824	-
Contractor						
Fatalities ⁽⁶⁾	No.	3	0	0	0	-
Lost Time Injuries ⁽⁶⁾	Cases	2	0	2	2	-
Total Work Hours ⁽⁶⁾	Manhours	5,029,858	6,554,007	6,745,188	7,149,582	-

Note:

⁽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.

2017 data have been independently reviewed by the Hong Kong Quality Assurance Agency (HKQAA).