

# Asset Performance Statistics

## Transmission & Distribution Network

### Hong Kong

- Transmission and distribution system
- Over 14,900 kilometres of transmission and high voltage distribution lines
- 226 primary substations and 14,019 secondary substations
- Wholly owned and operated by CLP



Parameter	Unit	2015	2014	2013	2012	2011
<b>1. Operation</b>						
Transmission & distribution loss	GWh / %	<b>1,411 / 4.1</b>	1,467 / 4.3	1,351 / 4.1	1,383 / 4.1	1,333 / 4.1
Electricity used onsite	GWh	<b>19</b>	20	20	15	11
Petrol consumed	kl	<b>1,045</b>	1,086	1,076	1,028	996
Diesel consumed	kl	<b>293</b>	386	239	357	314
<b>2. Greenhouse Gas Emissions</b>						
CO <sub>2</sub> e (Scope 1) <sup>(1)</sup>	kT	<b>33</b>	43	47	36	54
CO <sub>2</sub> (Scope 1) <sup>(1)</sup>	kT	<b>3</b>	4	3	3	3
SF <sub>6</sub>	kT CO <sub>2</sub> e	<b>29</b>	36	42	31	51
<b>3. Water</b>						
Water Withdrawal	Mm <sup>3</sup>	<b>0.06</b>	0.05	0.06	0.05	0.02
from marine water resources <sup>(2)</sup>	Mm <sup>3</sup>	-	-	-	-	-
from freshwater resources	Mm <sup>3</sup>	<b>0<sup>(4)</sup></b>	- <sup>(3)</sup>	- <sup>(3)</sup>	- <sup>(3)</sup>	- <sup>(3)</sup>
from municipal sources	Mm <sup>3</sup>	<b>0.06</b>	0.05	0.06	0.05	0.02
Water Discharged	Mm <sup>3</sup>	<b>0.003</b>	0.003	0.003	0.003	0.003
treated wastewater discharged to sea	Mm <sup>3</sup>	<b>0.003</b>	0.003	0.003	0.003	0.003
treated wastewater discharged to freshwater bodies <sup>(2)</sup>	Mm <sup>3</sup>	-	-	-	-	-
wastewater discharged to sewerage <sup>(3)</sup>	Mm <sup>3</sup>	-	-	-	-	-
Water Reused / Recycled <sup>(3)</sup>	Mm <sup>3</sup>	-	-	-	-	-
<b>4. Environmental Compliance</b>						
Regulatory non-compliances resulting in fines or prosecutions	No.	<b>0</b>	0	0	0	0
Licence limit exceedances & other non-compliances	No.	<b>0</b>	0	0	0	0

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