

CLP Power Hong Kong Limited and Castle Peak Power Company Limited

Overview

In Hong Kong, CLP Power Hong Kong Limited (CLP Power Hong Kong) operates a vertically integrated electricity generation, transmission and distribution business. The generating plants in Hong Kong are owned by Castle Peak Power Company Limited (CAPCO), which is 40% owned by CLP Power Hong Kong and 60% owned by ExxonMobil Energy Limited. CLP Power Hong Kong builds and operates CAPCO's power stations under contract and is the sole customer for CAPCO's electricity which CLP Power Hong Kong transmits and distributes to its customers in Kowloon and the New Territories. CLP Power Hong Kong owns the transmission and distribution network.

Since financial year 1964, the electricity-related operations of CLP Power Hong Kong and CAPCO (the SoC Companies) have been governed by a Scheme of Control Agreement (SoC) with the Hong Kong Government. The SoC specifies the SoC Companies' obligations to supply adequate and reliable electricity supplies to customers at the lowest reasonable cost and the mechanism for Hong Kong Government to monitor their financial affairs and operating performance. In return, CLP Power Hong Kong is allowed to charge tariffs designed to recover the operating costs (including tax) and allowed net return of the SoC Companies.

The current SoC took effect from 1 October 2008. The SoC covers a period of 10 years to 30 September 2018, with the Hong Kong Government having the right to extend by 5 years on the same terms to 30 September 2023 by giving notice before 1 January 2016. In the event that the 5 years extension option is not exercised by the Hong Kong Government, the SoC Companies will continue to earn the permitted return until 30 September 2023 on all approved investments.

The current SoC includes a provision to give the SoC Companies protection for stranded costs, which may arise as a result of future changes to the market structure which adversely impact on the SoC Companies' ability to recover and to earn returns on existing investments made in good faith in accordance with the SoC. These costs will include the costs of investments, fuel and power purchase agreements previously approved by the Hong Kong Government. If stranded costs arise after the SoC Companies have implemented mitigation measures reasonably required by the Hong Kong Government, the SoC Companies are entitled to recover them from the market, consistent with international practice. Three years before market changes are introduced, the SoC Companies and the Hong Kong Government will agree on the amount of stranded costs and the mechanism for their recovery by the SoC Companies.

Tariff Setting Mechanism

For each year, CLP Power Hong Kong designs the net tariff it charges to cover the SoC Companies' operating costs and allowed net return. The net tariff consists of the following three components:

- (i) basic tariff rate which is derived by taking into account the annual forecast of (a), (b) and (c) below, using the formula "(a-b)/c":
 - (a) the allowed net return and operating costs including the standard cost of fuel; generation, transmission, distribution and administration expenses; depreciation; interest expenses; and taxes;
 - (b) 80% of the profit on electricity sale to the Chinese mainland; and
 - (c) local unit sales as determined by the load forecast.
- (ii) fuel clause charge or rebate which represents the difference between the costs of fuel (including natural gas, coal and oil) and the standard cost recovered through the basic tariff rate; and
- (iii) SoC rebate from the Rate Reduction Reserve.

Any difference between the actual profit for SoC operations and the permitted return for the year is transferred to or from a Tariff Stabilisation Fund. The Tariff Stabilisation Fund does not form part of distributable shareholders' funds and represents a liability in the accounts of CLP Power Hong Kong. A charge on the average balance of the Tariff Stabilisation Fund is credited to the Rate Reduction Reserve in the accounts of CLP Power Hong Kong and is applied as SoC rebates to customers as shown above.

Scheme of Control Statement

Permitted and Net Return

The permitted and net return that the SoC Companies are allowed under the SoC are calculated as follows:

- The annual permitted return under the SoC is 9.99% of the SoC Companies' average net fixed assets other than renewable energy investments; and 11% for renewable energy investments.
- The net return is the permitted return after the deduction or adjustment of the following items:
 - (a) interest up to a maximum of 8% per annum on borrowed capital arranged for financing fixed assets;
 - (b) a charge of the average one-month Hong Kong interbank offered rate on the average balance of the Tariff Stabilisation Fund under the SoC, which is credited to the Rate Reduction Reserve;
 - (c) an excess capacity adjustment of 9.99% under the SoC on the average excess capacity expenditure less an allowed interest charge up to 8% per annum on the average excess capacity expenditure;
 - (d) interest up to 8% per annum on the increase in average balance of the customers' deposits in excess of the balance as at 30 September 1998; and
 - (e) incentives/penalties adjustments linked with emission performance, customer performance, energy efficiency and renewables performance. These performance related adjustments are only applicable to each full calendar year of the SoC, and are in the range of -0.43% to +0.2% on the average net fixed assets.
- The rate of return on average net fixed assets of the SoC Companies for the year ended 31 December 2010 was 9.15% (2009: 9.27%).

The net return is divided between the SoC Companies in accordance with the provisions of the agreements between the SoC Companies and ExxonMobil International Holdings Inc. These provisions state that each company will receive that proportion of the total net return represented by the net return that company would receive if it were the only company under the SoC and the net return were calculated solely on the basis of its own financial statements. In year 2010, 64% (2009: 65%) of the net return was allocated to CLP Power Hong Kong and 36% (2009: 35%) to CAPCO. If the actual profit for the SoC, when added to the amount available for transfer from the Tariff Stabilisation Fund is less than the permitted return, the share of any such deficit to be borne by CAPCO is limited to 20%.

The calculations shown on page 209 are in accordance with the SoC and the agreements between the SoC Companies.

For the year ended 31 December

	2010 HK\$M	2009 HK\$M
SoC revenue	30,016	28,437
Expenses		
Operating costs	3,467	3,102
Fuel	7,848	7,029
Purchases of nuclear electricity	5,003	5,237
Provision for asset decommissioning	224	246
Depreciation	3,427	3,149
Operating interest	677	537
Taxation	1,597	1,554
	22,243	20,854
Profit after taxation	7,773	7,583
Interest on increase in customers' deposits	_	_
Interest on borrowed capital	763	625
Adjustment for performance incentives/penalties	(43)	(41)
Adjustments required under the SoC		
(being share of profit on sale of electricity to		
the Chinese mainland attributable to the SoC Companies)	(73)	(115)
Profit for SoC	8,420	8,052
Transfer from Tariff Stabilisation Fund	148	103
Permitted return	8,568	8,155
Deduct interest on / Adjustment for		
Increase in customers' deposits as above	_	_
Borrowed capital as above	763	625
Performance incentives/penalties as above	(43)	(41)
Tariff Stabilisation Fund to Rate Reduction Reserve	3	3
	723	587
Net return	7,845	7,568
Divisible as follows:		
CLP Power Hong Kong	4,985	4,894
CAPCO	2,860	2,674
	7,845	7,568
	7,343	
CLP Power Hong Kong's share of net return		
CLP Power Hong Kong	4,985	4,894
Interest in CAPCO	1,144	1,070
	6,129	5,964

Five-year Summary: CLL Group Financial Et Operating Statistics =

	2010	2009	2008	2007	2006
Consolidated Operating Results, HK\$M					
Revenue	20.044	20 207	20 101	20.604	20.202
Electricity business in Hong Kong (HK) Energy business outside HK	29,944 28,124	28,297 22,175	30,191 23,822	29,684 20,879	29,293 16,143
Others	342	196	284	226	266
Total	58,410	50,668	54,297	50,789	45,702
Operating profit	12,397	10,847	 13,307	13,304	12,167
Earnings					
Electricity business in HK	6,129	5,964	7,549	7,589	7,290
Other investments / operations Other income, net	3,476 356	3,007 153	2,564 657	2,120 1,797	2,778 408
Provisions for jointly controlled entities / associated companies	(258)	(477)	-	1,797	406
Tax consolidation benefit from Australia	989	-	_	_	_
Other one-off items of TRUenergy	97	(17)	19	(503)	-
Unallocated net finance costs	(18)	(21)	(21)	(90)	(283)
Unallocated Group expenses	(439)	(413)	(345)	(305)	(293)
Total	10,332	8,196	10,423	10,608	9,900
Ordinary dividends	5,967	5,967	5,971	5,973	5,756
Special dividends					48
Total dividends	5,967	5,967	5,971	5,973	5,804
Capital expenditure, owned and leased assets	20,032	9,713		= 8,271	9,213
Depreciation & amortisation, owned and leased assets	5,065	4,332	4,055	4,650	4,968
Consolidated Statement of Cash Flows, HK\$M	5,555	.,	.,	.,	.,
Net cash inflow from operating activities	16,085	14,529	15,238	14,823	11,472
Consolidated Statement of Financial Position, HK\$M					
SoC fixed assets	57,247	54,712	52,132	49,684	47,516
Other fixed assets	60,213	44,146	36,991	38,925	38,137
Goodwill and other intangible assets	9,150	8,105	6,324	8,135	7,326
Interests in jointly controlled entities	20,476	18,838	17,791	17,684	19,163
Interests in associated companies Other non-current assets	2,378	1,813	242	299	18
Current assets	11,177 18,714	9,588 19,329	8,166 11,185	8,272 13,278	6,615 12,316
current assets	-				<u> </u>
Total assets	179,355	156,531	132,831	136,277	131,091
Shareholders' funds	79,661	70,761	63,017	63,901	55,838
Non-controlling interests	97	107	105	95	78
Equity	79,758	70,868	63,122	63,996	55,916
Bank loans and other borrowings	44,623	39,431	26,696	28,360	30,278
Obligations under finance leases	27,100	21,855	21,765	22,216	22,810
SoC reserve accounts	1,509	1,654	1,826	2,300	3,346
Other current liabilities	16,420	14,023	11,205	11,538	10,781
Other non-current liabilities	9,945	8,700	8,217	7,867 	7,960
Total liabilities	99,597	85,663	69,709	72,281	75,175
Equity and total liabilities	179,355	156,531	132,831	136,277	131,091
Per Share Data, HK\$					
Shareholders' funds per share	33.11	29.41	26.19	26.53	23.19
Earnings per share	4.29	3.41	4.33	4.40	4.11
Dividends per share					
Ordinary Special	2.48	2.48	2.48	2.48	2.39 0.02
Total	2.48	2.48	2.48	2.48	2.41
TOTAL	2.40	2.40	2.40	2.40	2.41



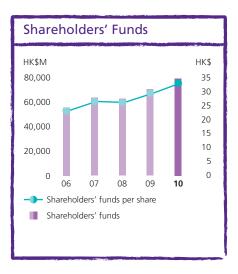
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				2006
64.65			59.95	57.90
				43.15
63.10	52.45	52.60	53.25	57.50
13.7	12.3	16.4	17.7	18.6
35.9	35.7	29.7	30.7	35.1
33.3	30.7	29.1	28.6	33.9
7	8	9	8	7
15	15	12	12	14
3.9	4.7	4.7	4.7	4.2
57.8	72.8	57.3	56.3	58.6
20,692	20,680	19,467	20,113	20,351
2,406.14	2,406.14	2,406.14	2,408.25	2,408.25
2 700	2 700	2.750	2 961	3,866
	,			2,221
2,300	2,069		1,054	2,221
6,075	5,777	5,717	5,695	6,087
6 908	6 908	6 908	6 908	6,908
	,			4,213
	,			4,124
				655
868	832	796	728	992
19 3/17	18 976	18 225	15 905	16,892
13,347	10,520	10,223	15,505	10,032
17,145	,		14,693	15,381
2,202	2,453	2,589	1,212	1,511
19,347	18,926	18,225	15,905	16,892
	52.15 63.10 13.7 35.9 33.3 7 15 3.9 57.8 20,692 2,406.14 3,709 2,366 6,075 6,908 3,211 5,899 2,461 868 19,347	52.15 51.15 63.10 52.45 13.7 12.3 35.9 35.7 33.3 30.7 7 8 15 15 3.9 4.7 57.8 72.8 20,692 20,680 2,406.14 2,406.14 3,709 3,708 2,366 2,069 6,908 3,211 3,188 5,899 2,461 2,420 868 832 19,347 18,926 17,145 16,473 2,202 2,453	52.15 51.15 42.85 63.10 52.45 52.60 13.7 12.3 16.4 35.9 35.7 29.7 33.3 30.7 29.1 7 8 9 15 15 12 3.9 4.7 4.7 57.8 72.8 57.3 20,692 20,680 19,467 2,406.14 2,406.14 2,406.14 3,709 3,708 3,758 2,366 2,069 1,959 6,908 6,908 5,777 5,717 5,717 6,908 6,908 6,908 3,211 3,188 3,132 5,899 5,578 5,206 2,461 2,420 2,183 868 832 796 19,347 18,926 18,225 17,145 16,473 15,636 2,202 2,453 2,589	52.15 51.15 42.85 50.25 63.10 52.45 52.60 53.25 13.7 12.3 16.4 17.7 35.9 35.7 29.7 30.7 33.3 30.7 29.1 28.6 7 8 9 8 15 15 12 12 3.9 4.7 4.7 4.7 57.8 72.8 57.3 56.3 20,692 20,680 19,467 20,113 2,406.14 2,406.14 2,408.25 3,709 3,708 3,758 3,861 2,366 2,069 1,959 1,834 6,075 5,777 5,717 5,695 6,908 6,908 6,908 6,908 3,211 3,188 3,132 3,112 5,899 5,578 5,206 4,477 2,461 2,420 2,183 680 868 832 796 728 <tr< td=""></tr<>

- * Group generating capacity (in MW) is incorporated on the following basis: (a) CAPCO on 100% capacity as stations operated by CLP Power Hong Kong; (b) PSDC and Ecogen on 100% as having right to use; and (c) other stations on the proportion of the Group's equity interests.
- ** Including our interests in wind farms held through Roaring 40s for 2006 to 2008. CLP acquired these wind farms from Roaring 40s during 2009.







Five-year Summary: Scheme of Control Financial Et Operating Statistics = CLP Power Hong Kong Limited and Castle Peak Power Company Limited

	2010	2009	2008	2007	2006
SoC Financial Statistics, HK\$M					
Combined Profit & Loss Statement Profit for SoC	8,420	8,052	10,418	10,367	10,250
Transfer (to)/from Tariff Stabilisation Fund/Development Fund ¹	148	103	(133)	353	202
Permitted return	8,568	8,155	10,285	10,720	10,452
Less: Interest on / Adjustment for Increase in customers' deposits Borrowed capital Performance incentives / penalties Tariff Stabilisation Fund / Development Fund ¹ and Special provision account	- 763 (43)	625 (41)	2 608 - 132	33 728 - 202	35 754 – 265
Net return	7,845	7,568	9,543	9,757	9,398
Combined Balance Sheet Net assets employed Fixed assets Non-current assets Current assets	87,713 1,698 4,367	83,811 774 3,929	79,445 1,552 3,612	75,239 533 3,504	73,156 934 3,402
Less: current liabilities	93,778 15,194	88,514 17,658	84,609 14,394	79,276 14,429	77,492 10,257
Net assets Exchange fluctuation account	78,584 (962)	70,856 (346)	70,215 (165)	64,847 51	67,235 5
	77,622	70,510	70,050	64,898	67,240
Represented by Shareholders' funds Long-term loans and other borrowings Deferred liabilities Tariff Stabilisation Fund / Development Fund ¹	39,960 25,248 10,909 1,505	37,197 21,598 10,062 1,653 70,510	42,366 16,616 9,312 1,756 70,050	40,404 13,828 8,549 2,117	38,842 16,161 9,305 2,932 67,240
Other SoC Information Total electricity sales Capital expenditure Depreciation	29,917 7,748 3,427	28,349 7,798 3,149	30,288 7,665 3,005	29,236 6,123 3,699	29,004 5,673 4,117
SoC Operating Statistics Customers and Sales Number of customers (thousand) Sales analysis, millions of kWh	2,347	2,321	2,291	2,261	2,236
Commercial Manufacturing Residential Infrastructure and Public Services	12,642 1,952 8,457 7,878	12,488 1,938 8,331 7,813	12,312 2,202 7,890 7,661	12,144 2,418 7,724 7,676	11,957 2,653 7,469 7,482
Local Export	30,929 2,609	30,570 3,731	30,065 3,552	29,962 4,035	29,561 4,528
Total Electricity Sales	33,538	34,301	33,617	33,997	34,089
Annual change, % Local consumption, kWh per person Local sales, HK¢ per kWh (average)	(2.2) 5,365	2.0 5,353	(1.1) 5,260	(0.3) 5,301	0.6 5,162
Basic tariff Fuel clause charge SoC rebate Special rebate	80.1 11.5 –	77.5 11.8 (0.2)	85.6 7.3 (0.8) (1.6)	88.1 2.0 (1.1) (1.8)	88.0 2.0 (1.1) (1.8)
Total	91.6	89.1	90.5	87.2	87.1
Annual basic tariff change, % Annual total tariff change, %	3.4 2.8	(9.5) (1.5)	(2.8)	0.1 0.1	(0.2) (0.2)



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	2010	2009	2008	2007	2006
Generation (Including Affiliated Generating Companies)					
Installed capacity, MW	8,888	8,888	8,888	8,888	8,888
System maximum demand					
Local, MW	6,766	6,389	6,749	6,284	6,435
Annual change, %	5.9	(5.3)	7.4	(2.3)	(0.6)
Local and the Chinese mainland, MW	7,349	7,616	8,199	7,730	8,318
Annual change, %	(3.5)	(7.1)	6.1	(7.1)	6.4
System load factor, %	57.2	56.4	51.1	55.0	50.9
Generation by CAPCO stations, millions of kWh	26,019	26,410	25,722	26,698	26,408
Sent out, millions of kWh –					
From own generation	24,552	24,920	24,324	25,200	25,024
Net transfer from/(to)					
Landfill gas generation	5	5	5	6	5
GNPS / GPSPS	10,350	10,773	10,653	10,164	10,256
Total	34,907	35,698	34,982	35,370	35,285
Fuel consumed, terajoules –					
Oil	844	895	1,048	868	1,116
Coal	148,229	169,753	153,565	179,599	148,830
Gas	83,007	70,393	77,487	63,552	85,462
Total	232,080	241,041	232,100	244,019	235,408
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Cost of fuel, HK\$ per gigajoule – Overall	34.13	29.14	29.06	20.14	18.42
Thermal efficiency, % based on units sent out	38.1	37.2	37.7	37.2	38.3
Plant availability, %	79.2	83.0	85.8	90.0	89.9
Transmission and Distribution					
Network, circuit kilometres					
400kV	554	555	554	554	554
132kV	1,528	1,488	1,386	1,346	1,255
66kV & 33kV	27	60	62	88	171
11kV	11,658	11,444	11,240	11,076	10,978
Transformers, MVA	58,929	57,700	57,187	56,423	55,769
Substations –					
Primary	213	214	214	202	208
Secondary	13,208	13,074	12,914	12,784	12,623
Employees and Productivity					
No. of SoC employees	3,709	3,708	3,758	3,861	3,866
Productivity, thousands of kWh per employee	8,340	8,189	7,892	7,755	7,650

Note

¹ The Tariff Stabilisation Fund has replaced the Development Fund under the new SoC effective from 1 October 2008.

