

The background of the slide features a composite image. The upper portion shows a photograph of a large cruise ship docked at a pier in Hong Kong, with the dense urban skyline and mountains visible in the distance. The lower portion is a stylized line-art illustration of the Hong Kong skyline, including prominent skyscrapers like the Bank of China Tower. A large, diagonal watermark reading 'APSEC官方网站阅读' is overlaid across the center of the slide.

Energy End-Use in Hong Kong

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Climate Action and Energy Saving Plans of Hong Kong



2015 to 2025



2017 to 2030

ENERGY
INTENSITY



By 2025
(base year
2005)



CARBON
INTENSITY



By 2030
(base year
2005)

Energy Efficiency Initiatives

Current Initiatives



- Electricity Saving Target for Government Buildings
- Mandatory Energy Efficiency Labelling Scheme (MEELS)
- Building Energy Efficiency Ordinance (BEEO)
- District Cooling Systems (DCS)
- Retro-commissioning (RCx)

New Initiatives

- Green Energy Target for Government Buildings and Infrastructures
- Green School 2.0
- RCx Training and Registration Scheme



Renewable Energy Initiatives

- Feed-in Tariff and RE Certificate
- Installing RE Systems in Various Government Venues
- Solar Harvest for Non-government Schools and Welfare NGOs
- Waste-to-energy Infrastructures



HKEEUD @ www.emsd.gov.hk

Energy End-use Data and Consumption Indicators

Hong Kong Energy End-use Data

Set of Data

- ▶ [Hong Kong Energy End-use Data 2020](#)

[PDF format (2.19MB)]

- ▶ [Hong Kong Energy End-use Data 2019](#)

[PDF format (2.60MB)]

- ▶ [Hong Kong Energy End-use Data 2018](#)

[PDF format (3.60MB)]

- ▶ [Hong Kong Energy End-use Data 2017](#)

[PDF format (7.70MB)]

- ▶ [Hong Kong Energy End-use Data 2016](#)

[PDF format (3.02MB)]



Energy End-Use

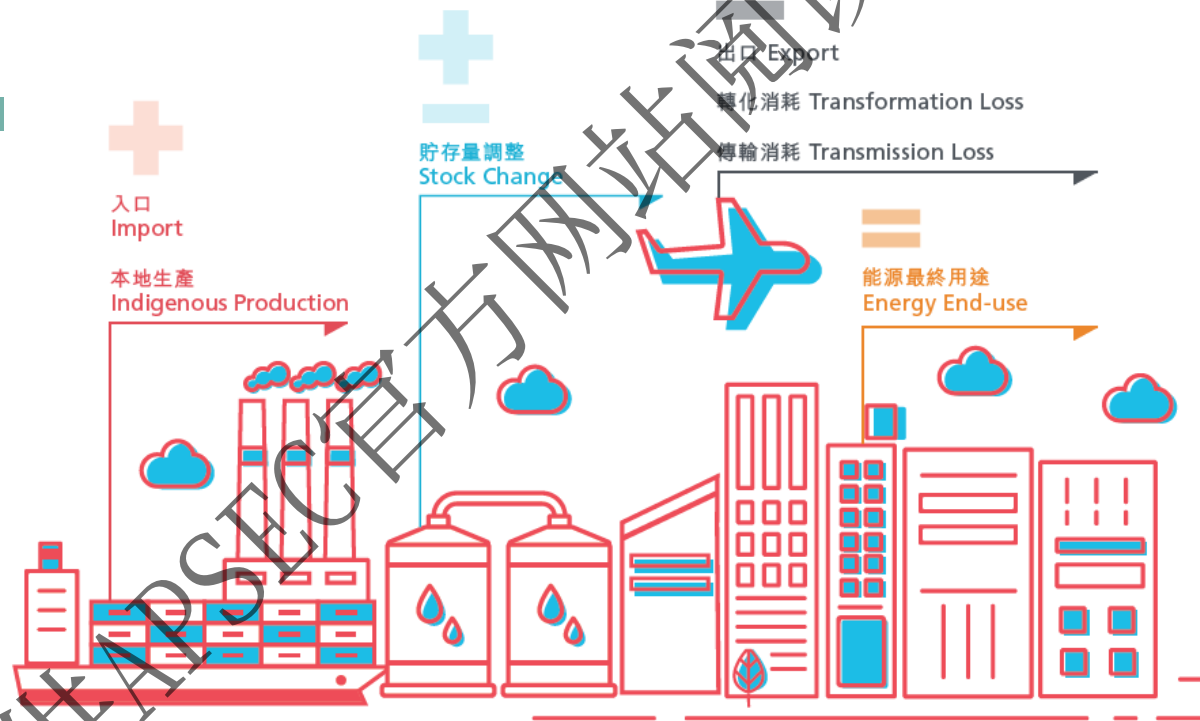
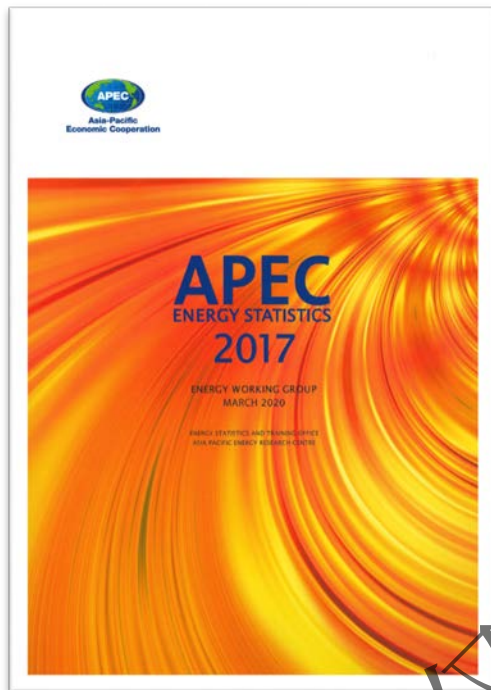


Figure 1
能源最終用途
Energy End-use

Energy Data - Macro Data

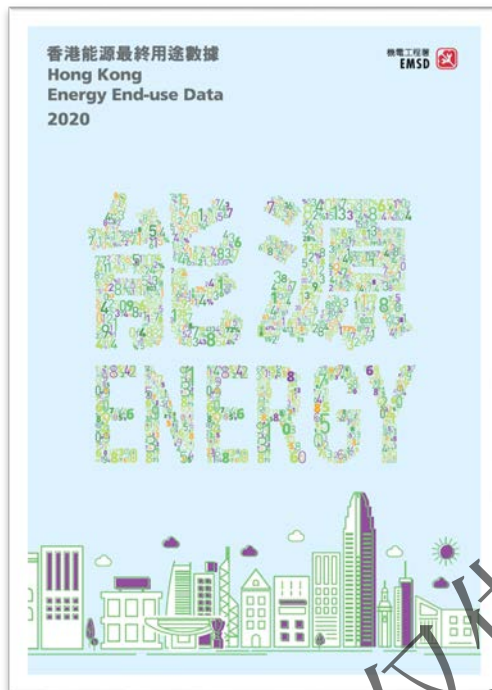


Hong Kong, China

Energy balance table of Hong Kong, China

	Coal	Coal products	Crude oil & NGL	Total	Petroleum products				
					Gasoline	Naphtha	Jet fuel	Kerosene	Gas/diesel oil
2017									
...									
Total final consumption				2 278	593		6	4	1 308
Total final energy consumption				2 278	593		6	4	1 308
Industry sector				81	4		3	1	72
Iron and steel									
Chemical & petrochemical									
Non-metallic minerals									
Other industries				81	4		3	1	72
Transport sector				2 000	589		4		1 122
Domestic air transport				4			4		
Road				1 818	551				982
Rail									
Inland waterways				178	38				140
Other transport									
Other sector				197				4	114
Residential				54					
Commerce and public services				142				3	114
Agriculture									
Non-specified others									

Energy Data – Both Macro and Micro Data



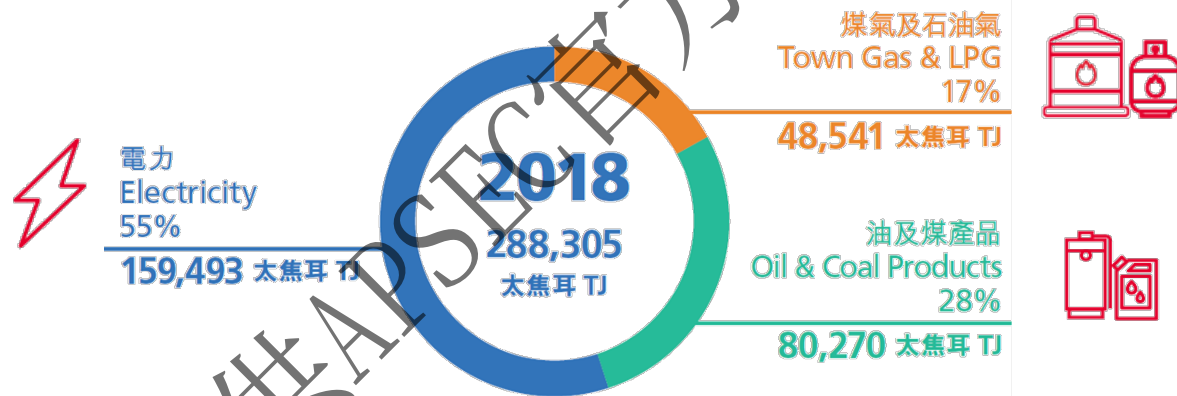
公共房屋組別所有能源使用按最終用途劃分
Total Energy Consumption in Public Housing Segment by End-use

單位 Unit : 太焦耳 Terajoule

	煮食 Cooking	空氣調節 Air Conditioning	熱水 Hot Water	照明 Lighting	冷凍 Refrigeration	辦公室設備 Office Equipment	洗衣 Laundry	其他 Others	總計 Total
2008	4,467	2,620	3,567	952	1,825	1,421	-	599	15,451
2009	4,546	2,861	3,566	963	1,863	1,505	-	671	15,915
2010	4,661	2,870	3,557	947	1,818	1,558	-	742	16,152
2011	4,735	2,931	3,564	942	1,763	1,642	-	841	16,418
2012	4,788	3,029	3,543	970	1,725	1,794	-	995	16,844
2013	5,055	2,883	3,651	823	1,544	1,573	-	1,035	16,565
2014	5,043	3,496	3,851	775	1,495	1,489	-	1,168	17,316
2015	4,863	3,580	3,847	691	1,349	1,338	-	1,235	16,902
2016	4,881	3,758	4,055	633	1,226	1,231	-	1,320	17,105
2017	4,718	3,829	4,020	571	1,055	1,082	791	550	16,617
2018	4,855	3,783	4,095	570	1,054	1,080	790	549	16,776

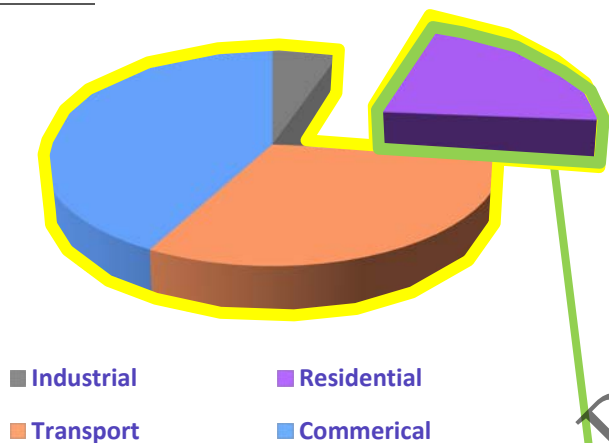
Hong Kong Energy End-use Data

by Fuel Type



Hong Kong Energy End-use Data – Sectors, Segments & End-uses

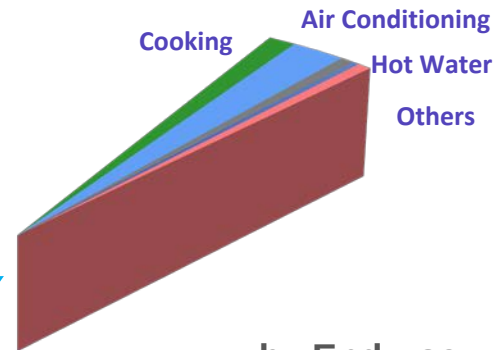
by Sector



by Segment

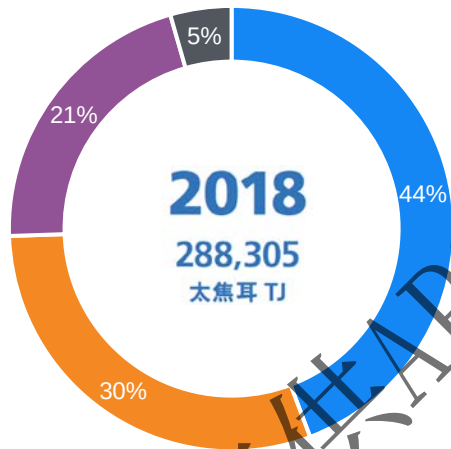


by End-use



Hong Kong Energy End-use Data

by Sector



Commercial Sector 44%

Transport Sector 30%

Residential Sector 21%

Industrial Sector 5%

Hong Kong Energy End-use Data

by End-use



● 空氣調節
Air Conditioning

● 煮食
Cooking

● 工業生產 / 設備
Industrial Process/
Equipment

● 照明
Lighting

● 辦公室設備
Office Equipment

● 冷凍
Refrigeration

● 熱水
Hot Water

● 垂直運輸
Vertical Transport

● 貨車
Goods Vehicle

● 巴士
Bus

● 的士
Taxi

● 汽車
Car

● 船隻
Marine

● 其他
Others

Tracking and indicators

GDP 2,835 HK\$ Billion, (around 366 US\$ Billion)

Population 7.451 Million in 2018



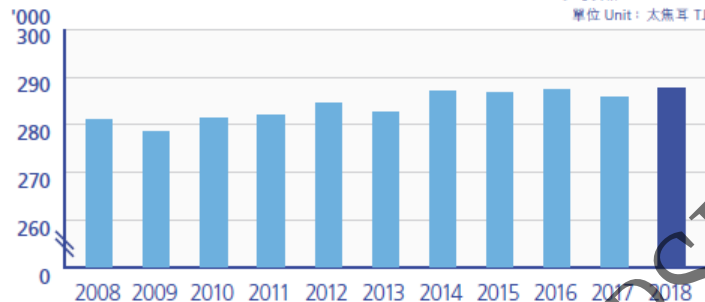
圖片 Figure 3
人均所用能源
Energy Consumption Per Capita

Tracking and indicators

圖表 Chart 2

能源最終用途 (太焦耳)
Energy End-use (TJ)

參考表格 Refer Table 1
單位 Unit: 太焦耳 TJ



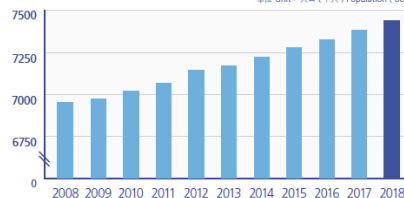
↑ 2.4%

2018 對比 2008
2018 VS 2008

圖表 Chart 6

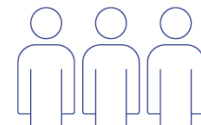
人口 (千人)
Population ('000)

參考表格 Refer Table 1
單位 Unit: 人口 (千人) Population ('000)



↑ 7.1%

2018 對比 2008
2018 VS 2008



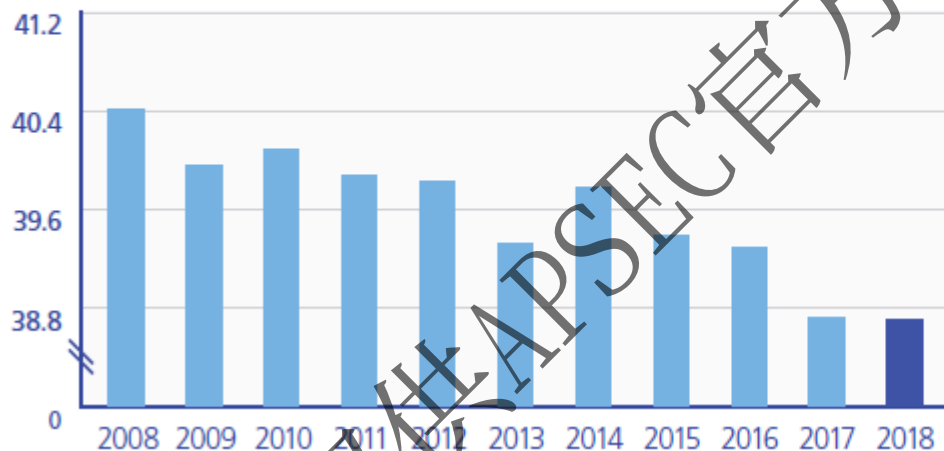
Tracking and indicators

圖表 Chart 4

人均能源最終用途 (千兆焦耳)

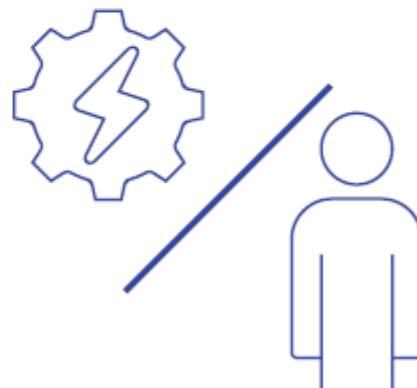
Energy End-use / Capita (GJ)

參考表格 Refer Table 1
單位 Unit: 千兆焦耳 GJ



↓ 4.3%

2018 對比 2008
2018 VS 2008



Tracking and indicators

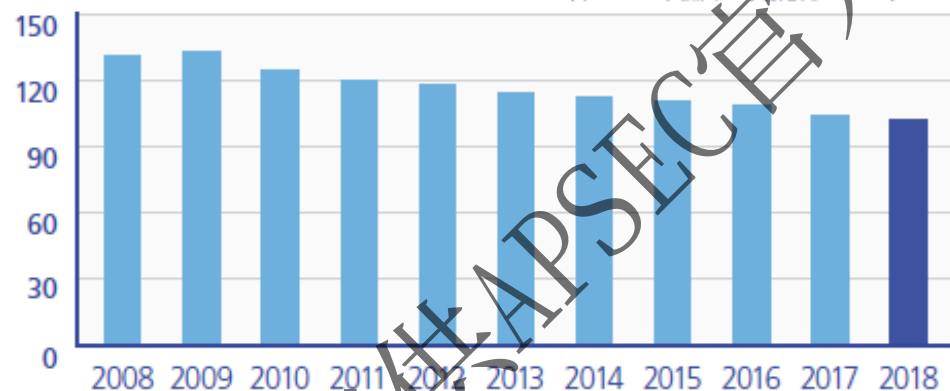
圖表 Chart 1

能源最終用途 (太焦耳) / 本地生產總值 (十億港元)

Energy End-use (TJ) / GDP (HK\$ billion)

參考表格 Refer Table 1

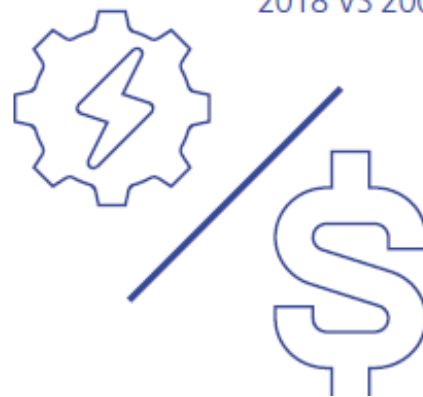
單位 Unit : 太焦耳 / 十億港元 TJ / HK\$ billion



Energy Intensity 102 TJ/HK\$ Billion in 2018

↓ 22.0%

2018 對比 2008
2018 VS 2008



Progress of Energy Intensity Target of Hong Kong



THANK You

Hong Kong Energy End-use Data (HKEEUD)

https://www.emsd.gov.hk/en/energy_efficiency/energy_end_use_data_and_consumption_indicators/hong_kong_energy_end_use_data/data/index.html

