# Energy Data on Commercial/Residential Sectors of HKC

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Hong Kong, China

Kim-Kong MAK

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1. MEELS Programme

# I. About the Database

- 1. Introduction
- 2. Data presentation
- 3. Data collection

# HKEEUD @ www.emsd.gov.hk

#### **Energy End-use Data and Consumption Indicators**

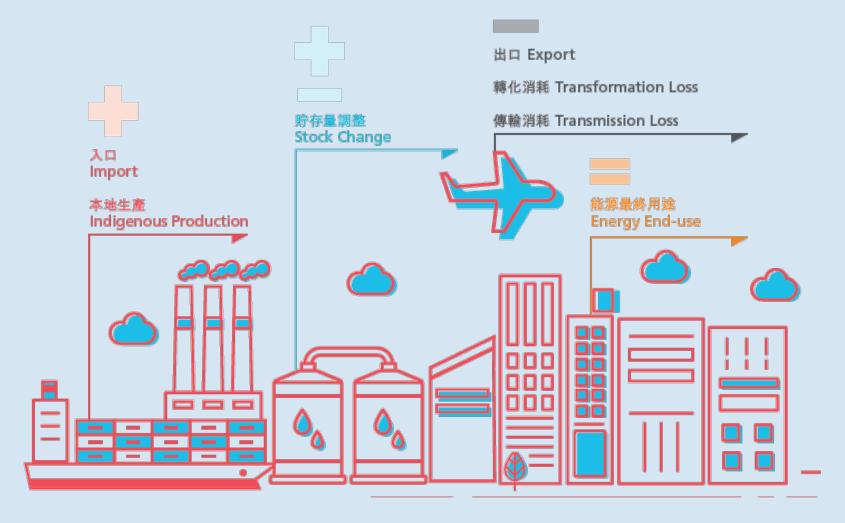
#### Hong Kong Energy End-use Data

#### Set of Data

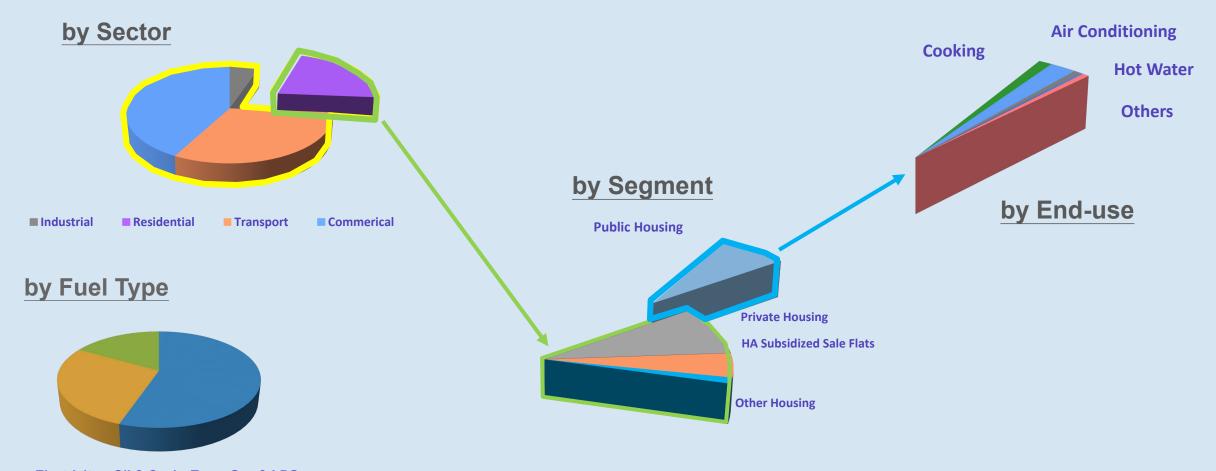
- Hong Kong Energy End-use Data 2020 [PDF format (2.19MB)]
- Hong Kong Energy End-use Data 2019 [PDF format (2.60MB)]
- Hong Kong Energy End-use Data 2018 [PDF format (3.60MB)]
- Hong Kong Energy End-use Data 2017 [PDF format (7.70MB)]
- Hong Kong Energy End-use Data 2016 [PDF format (3.02MB)]



# Energy End-Use

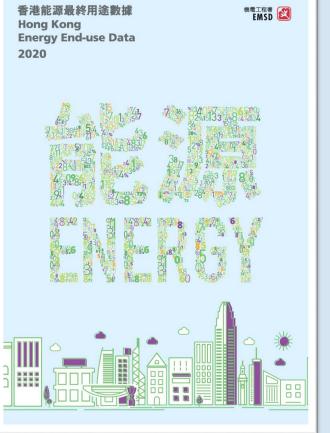


# Hong Kong Energy End-use Data – Fuel Type, User Type & End-uses



Electricity Oil & Coal Town Gas & LPG

# Energy Data – Both Macro and Micro Data



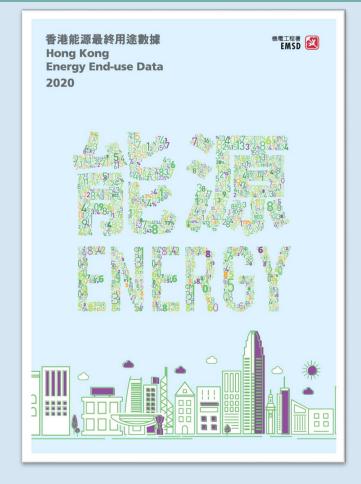
### 公共房屋組別所有能源使用按最終用途劃分

Total Energy Consumption in Public Housing Segment by End-use

單位 Unit:太焦耳 Terajoule

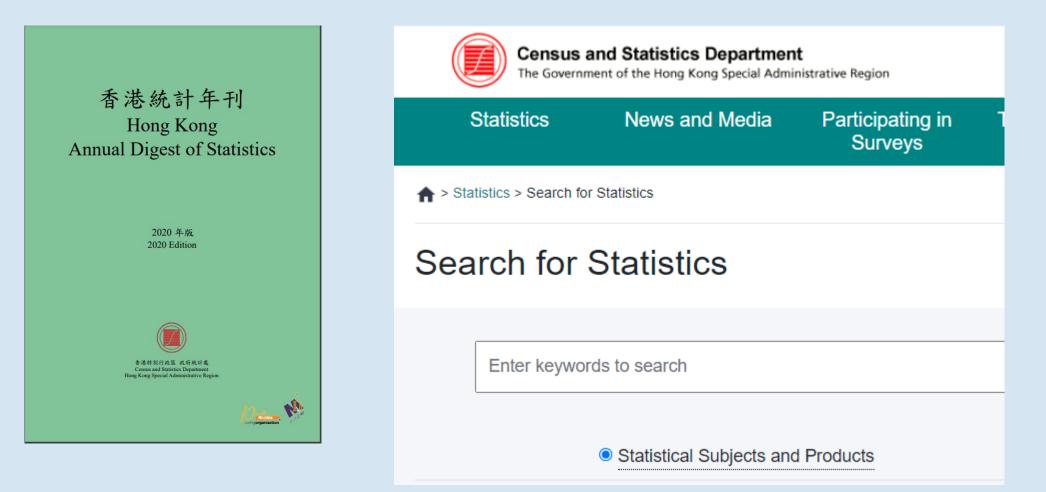
	煮食 Cooking	空氣調節 Air Conditioning	熱水 Hot Water	照明 Lighting	冷凍 Refrigeration	辦公室設備 Office Equipment	洗衣 Laundry	其他 Others	總計 Total
2008	4,467	2,620	3,567	952	1,825	1,421	-	599	15,451
2009	4,546	2,801	3,566	963	1,863	1,505	-	671	15,915
2010	4,661	2,870	3,557	947	1,818	1,558	-	742	16, 152
2011	4,735	2,931	3,564	942	1,763	1,642	-	841	16,418
2012	4,786	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

# Compilation of the database

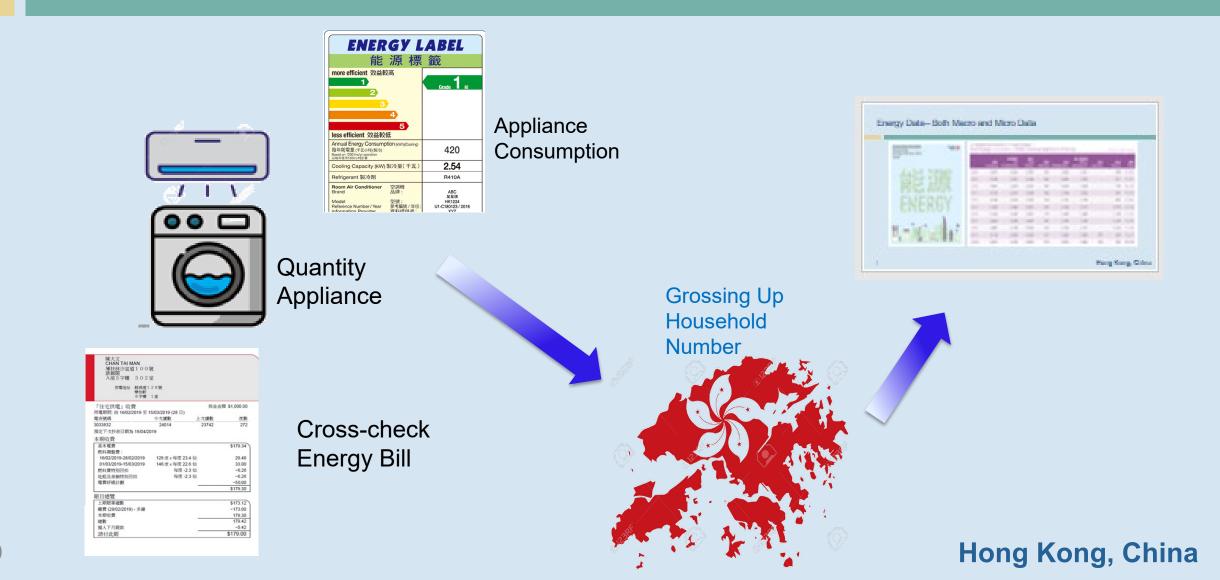


# HOW?

# Source of Macro Energy Data and Activities Data



## Survey for Consumption per Unit Activitiy

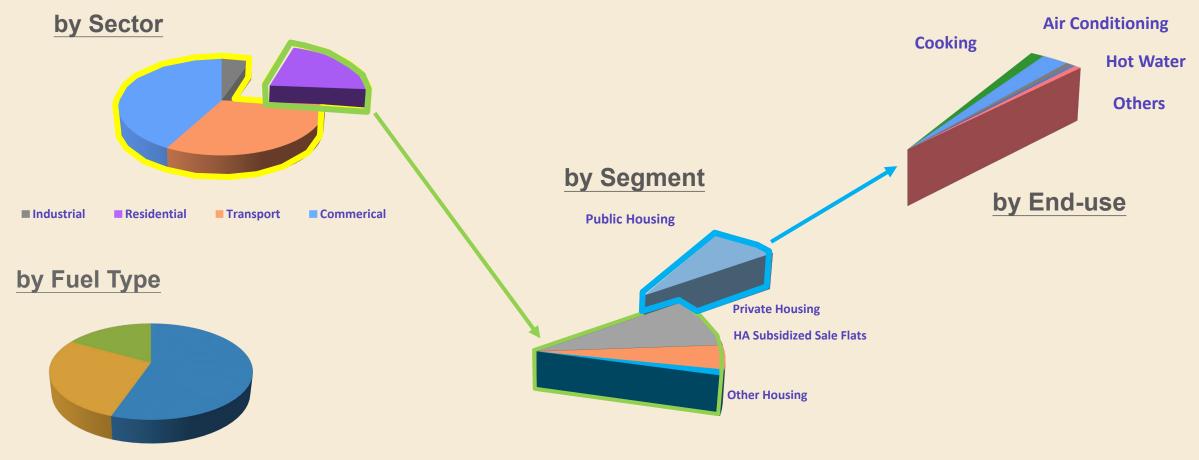


# II. Commercial and Residential Consumption Data of HKC

- 1. Commercial Sector data
- 2. Residential Sector data



# Hong Kong Energy End-use Data – Fuel Type, User Type & End-uses



Electricity Oil & Coal Town Gas & LPG

## Hong Kong Energy End-use Data

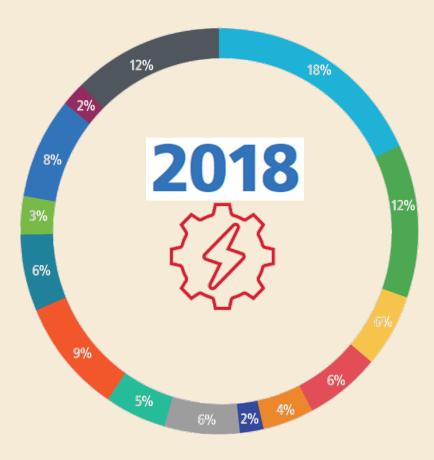
# **by Sector**



Commercial Sector	44%
Transport Sector	30%
<b>Residential Sector</b>	21%
Industrial Sector	5%

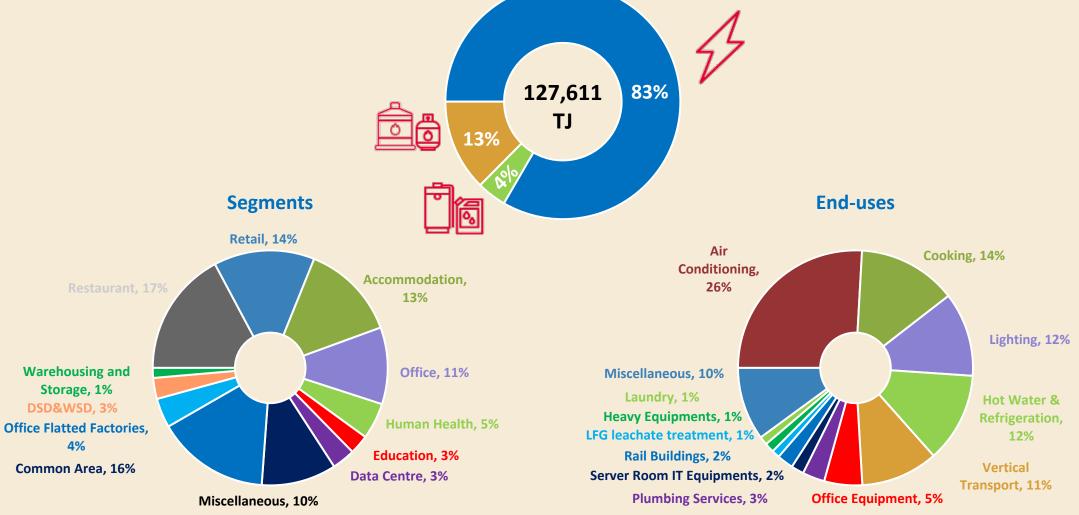
# Hong Kong Energy End-use Data

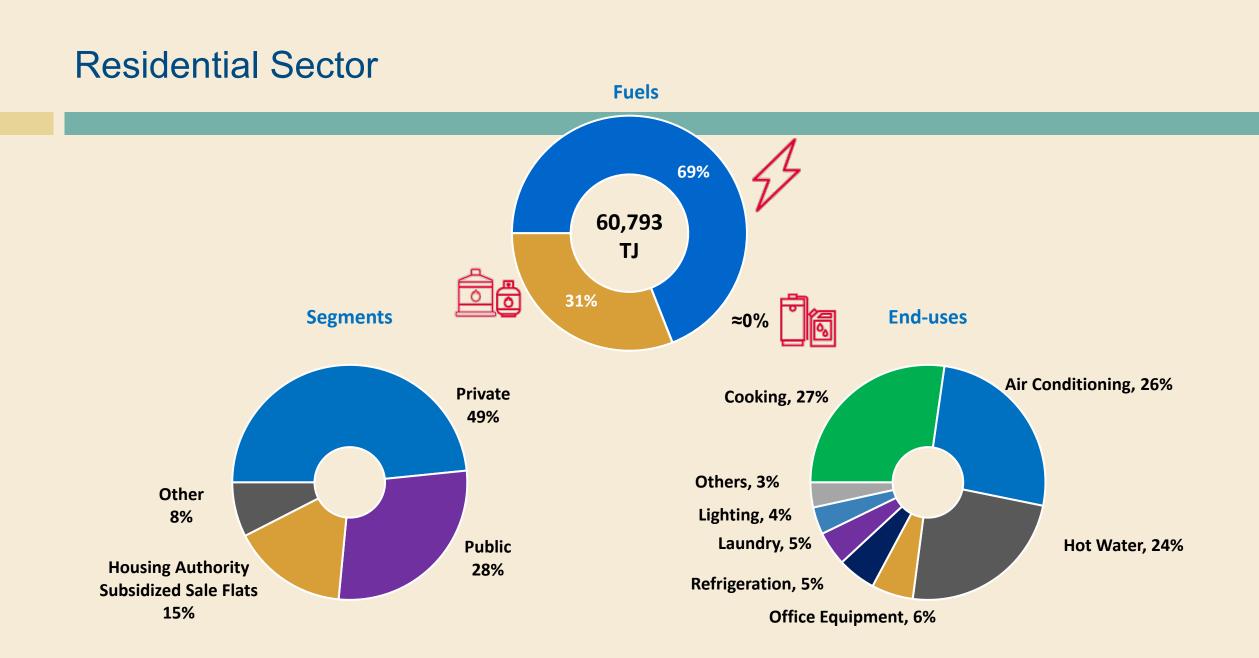
# by End-use





# Commercial Sector Fuels





# III. Case Study: Tracking of Energy Performance

1. MEELS Programme

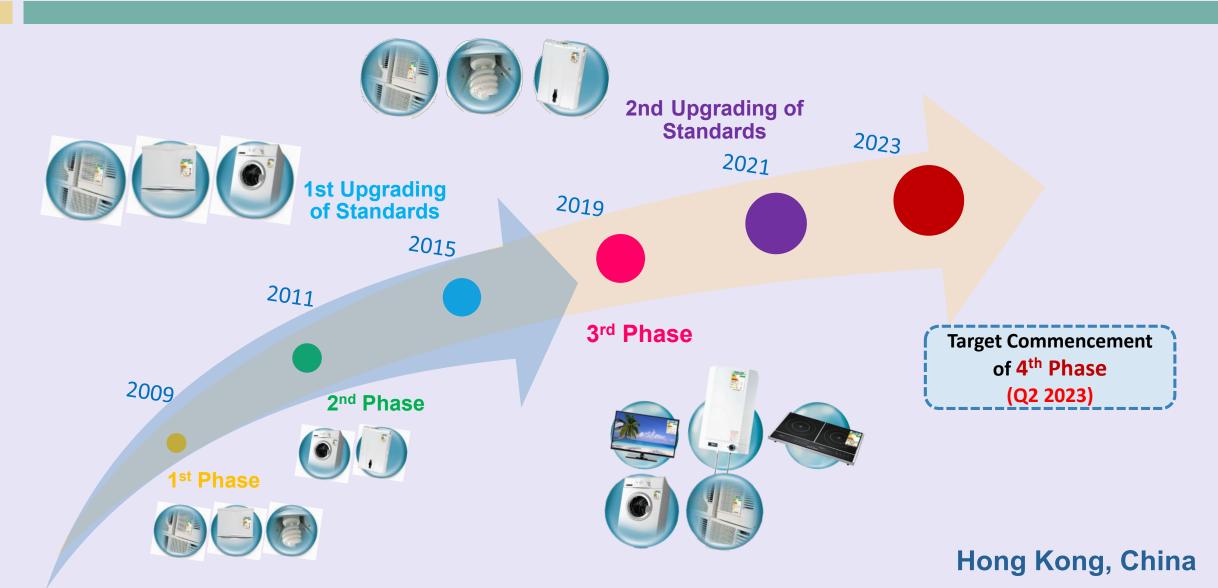




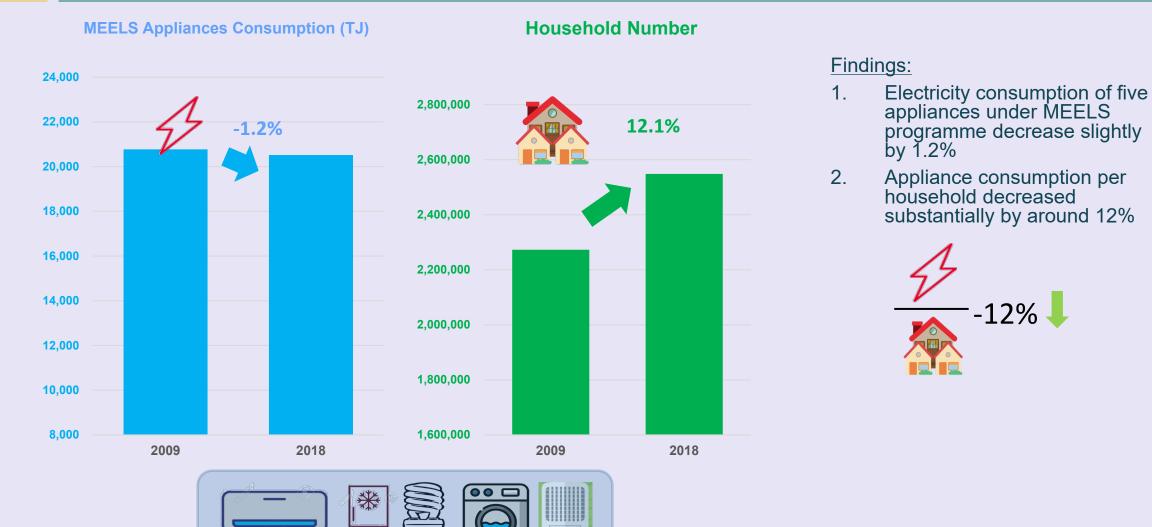
# Mandatory Energy Efficiency Labelling Scheme (MEELS)



# Mandatory Energy Efficiency Labelling Scheme (MEELS)



# Electricity Consumption of MEELS Appliances vs Household Number



# THANK YOU

#### Hong Kong Energy End-use Data (HKEEUD)

https://www.emsd.gov.hk/en/energy\_efficiency/energy\_end\_use\_data\_and\_consump tion\_indicators/hong\_kong\_energy\_end\_use\_data/data/index.html

