

## Explanatory Note for Fuel Mix & Energy Costs

Fuel Mix & Energy Costs web page:

<https://www.clp.com.hk/en/community-and-environment/green-tools/energy-costs>

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### Fuel Mix & Energy Costs

#### Fuel Mix

Our Fuel Mix Strategy in Hong Kong

A diversified fuel mix is crucial for energy security and helps us to maintain a balance between meeting emissions caps requirements and mitigating energy cost pressure. We continue to optimise our diversified fuel mix which consists mainly of coal, nuclear and natural gas.

#### Energy Costs

Monthly Energy Costs Breakdown (Local Sales) - August 2018

#### Electricity Sent Out and Energy Cost

Electricity Sent Out (Millions of kWh)

Category	Value (Millions of kWh)	Percentage
Nuclear	1,304	35%
Coal	1,364	37%
Gas	1,004	27%
Others	10	0%
<b>Fuel</b>	<b>2,378</b>	

More Information

- Explanatory Note for Energy Costs Data
- Cleaner Fuel Mix For Electricity Generation
- 2017 Fuel Mix

## Key Features

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### “Fuel Mix & Energy Costs” web page

- Published under the section of “Green Tools”, the web page aims to provide a set of data in relation to energy costs for the supply of electricity to our customers.
- In the web page, energy refers to nuclear energy and fuel which includes coal, gas and others (e.g. oil).

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### Monthly Energy Costs Breakdown

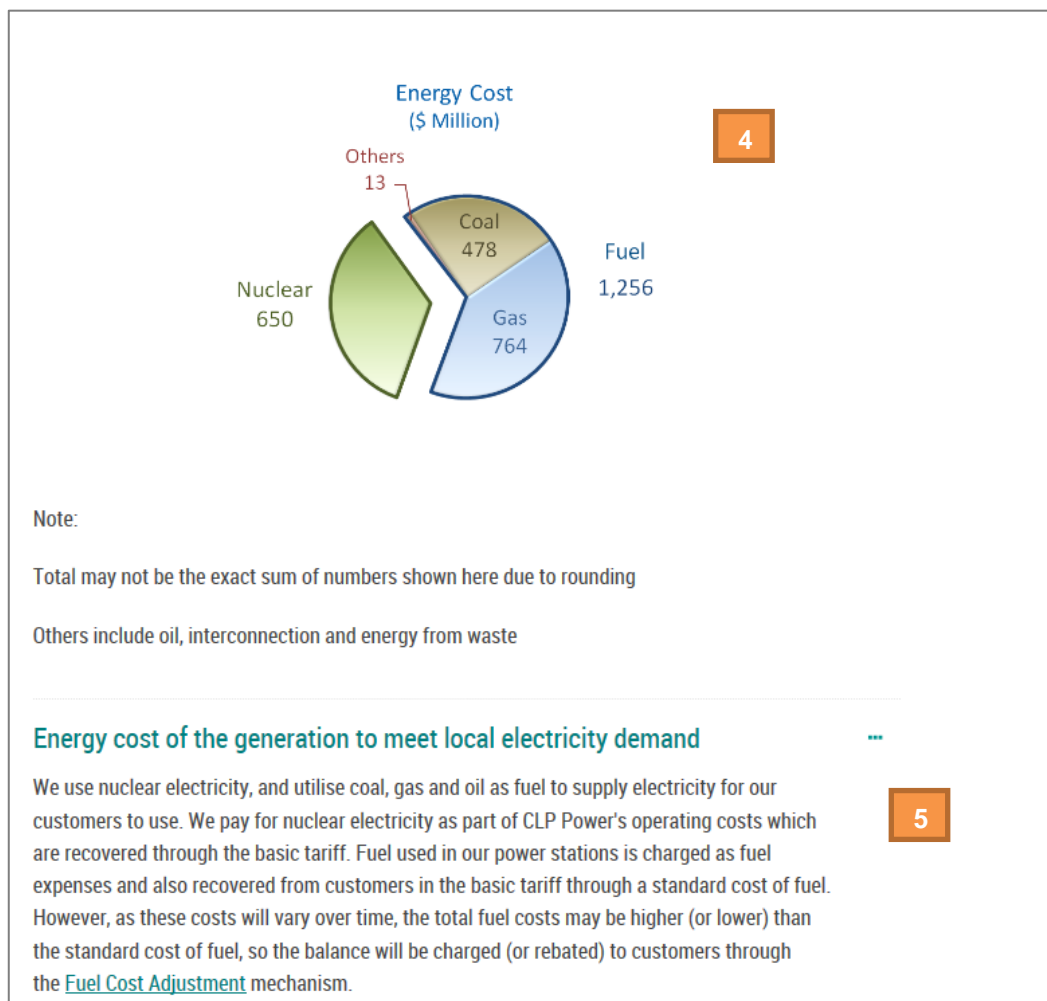
- The monthly energy cost breakdown comprises two sets of data, namely the electricity sent out to our customers and the energy cost derived from local sales in that month.
- Nuclear purchased by CLP from Daya Bay Nuclear Power Station is already in the form of electricity, which is different from the fuel (i.e. coal, gas and others) CLP purchases for power generation. As shown in the pie charts, nuclear is

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distinct from fuel.

### 3 Electricity Sent Out by energy types

- Electricity Sent Out refers to the amount of electricity produced by power plants after deducting the amount used by the plants, which is then sent out to customers through the power grid for meeting local demand.
- The pie chart shows a breakdown of electricity sent out in the month by nuclear and by generation from different fuel types: coal, gas and others (e.g. oil). The amount of electricity derived from each fuel type and its percentage in CLP's current energy/fuel mix are indicated.



### 4 Energy Cost by energy types

- Total energy cost comprises the cost of nuclear electricity and the cost of fuel. Nuclear is purchased in the form of electricity and CLP pays for it as part of our operating costs, which are recovered through the basic tariff. Fuel used in our power stations (i.e. coal, gas and others) is charged through the basic tariff and the Fuel Cost Adjustment mechanism.
- The pie chart shows a breakdown of total energy cost incurred for nuclear energy and each fuel type in the month for meeting local electricity demand.

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### **Energy cost of the generation to meet local electricity demand**

- This part explains how CLP collects energy and fuel costs through the charging mechanism