

**Future Fuel Mix for Electricity Generation**

**By Homer YU**

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Hong Kong is one of the leading economic in the world with a population of 7 million living within four hundred sq. mile of land and yet we are severing around 50 million tourist a year.

A stable and sufficient electricity supply is critical in our daily life as almost everything our economy is based for run on electricity.

Let me summarize the basic points on the our demand of electricity

**1) Reliability:**

Non-interrupting reliable supply to keep lighting, heating or cooling, transport, electronics and all electrical device running.

**2) Safety:**

Non-hazardous for every one use

**3) Affordable:**

The cost must be within reason and affordable for industry, trade and home use.

**4) Sustainable:**

As our economy will grow, the supply must be adequate and ready for the future. Power generating company must be able to gain access to all possible means in order to guarantee our supply.

**5) Environment:**

The generation of electricity must be clean and safe without damaging public health and the environment.

In view of the above points a proper fuel mix is required,

Let me compare the fuel types available for electricity generation for

Hong Kong but I shall focus on the environment and cost

Fuel Type	Cost	Environment Impact
Coal	Low	Responsible for sulphur dioxide and suspended particles for our small area
Natural Gas	High	Medium at least less suspend particles
Nuclear	Low	Low with risk of long term treatment or nuclear waste and decommissioning of plant
Renewal Energy	High	Low but we need a big roof, a lot of wind and waste.
Grid purchase	High	Low as pollution is other Government's problem.

The government proposed two options for future fuel mix

**In a short run OPTION 1 is a good choice but I would like to see more on Nuclear as it is a clean option**

**In the long run OPTION 2 can blend in but I like to maintain my view on more Nuclear and less Natural Gas**