

# 100億風電場 爲誰而建？

香港建風電場 - 是福是禍？

專題講座

香港大會堂高座演奏廳

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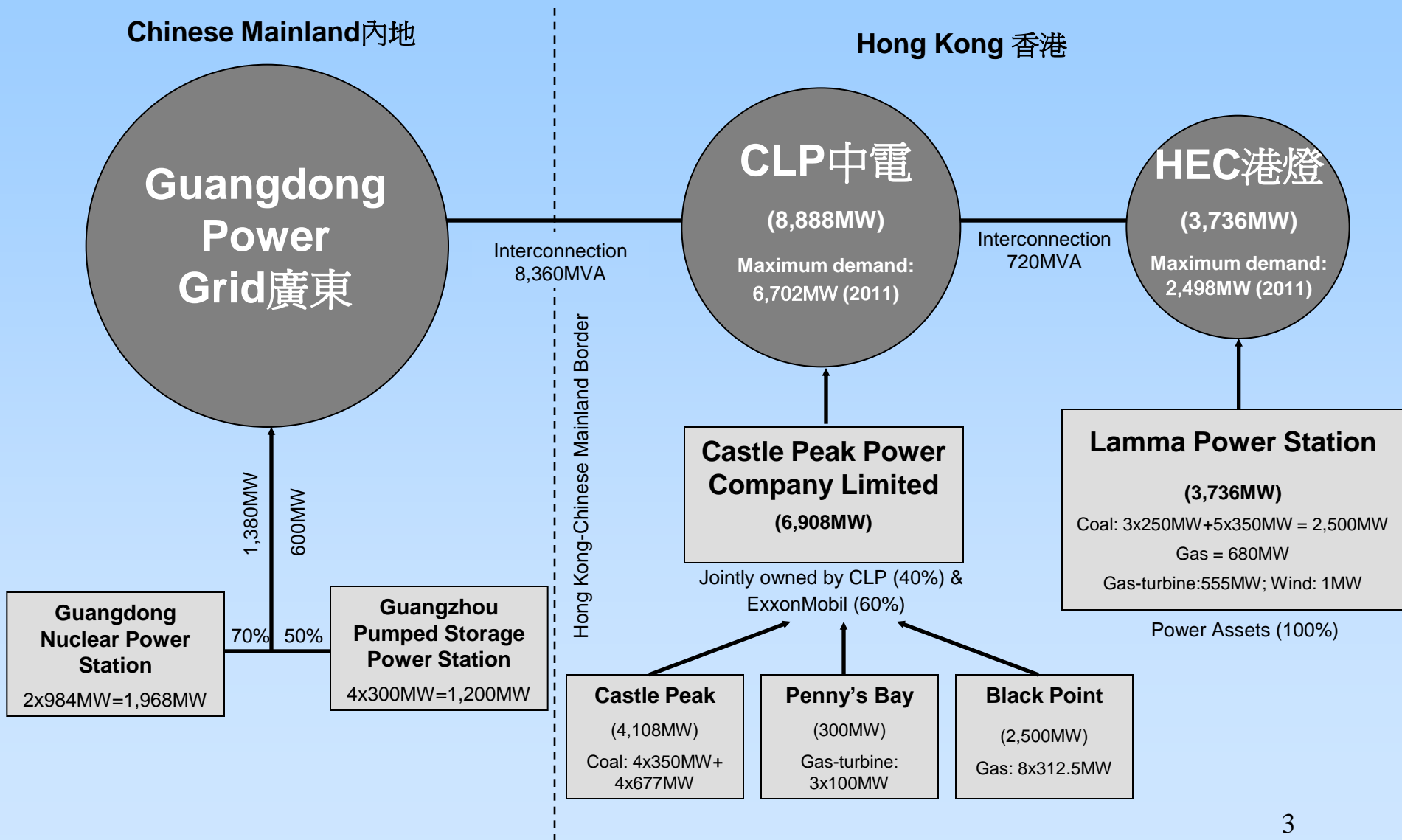
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# 內容

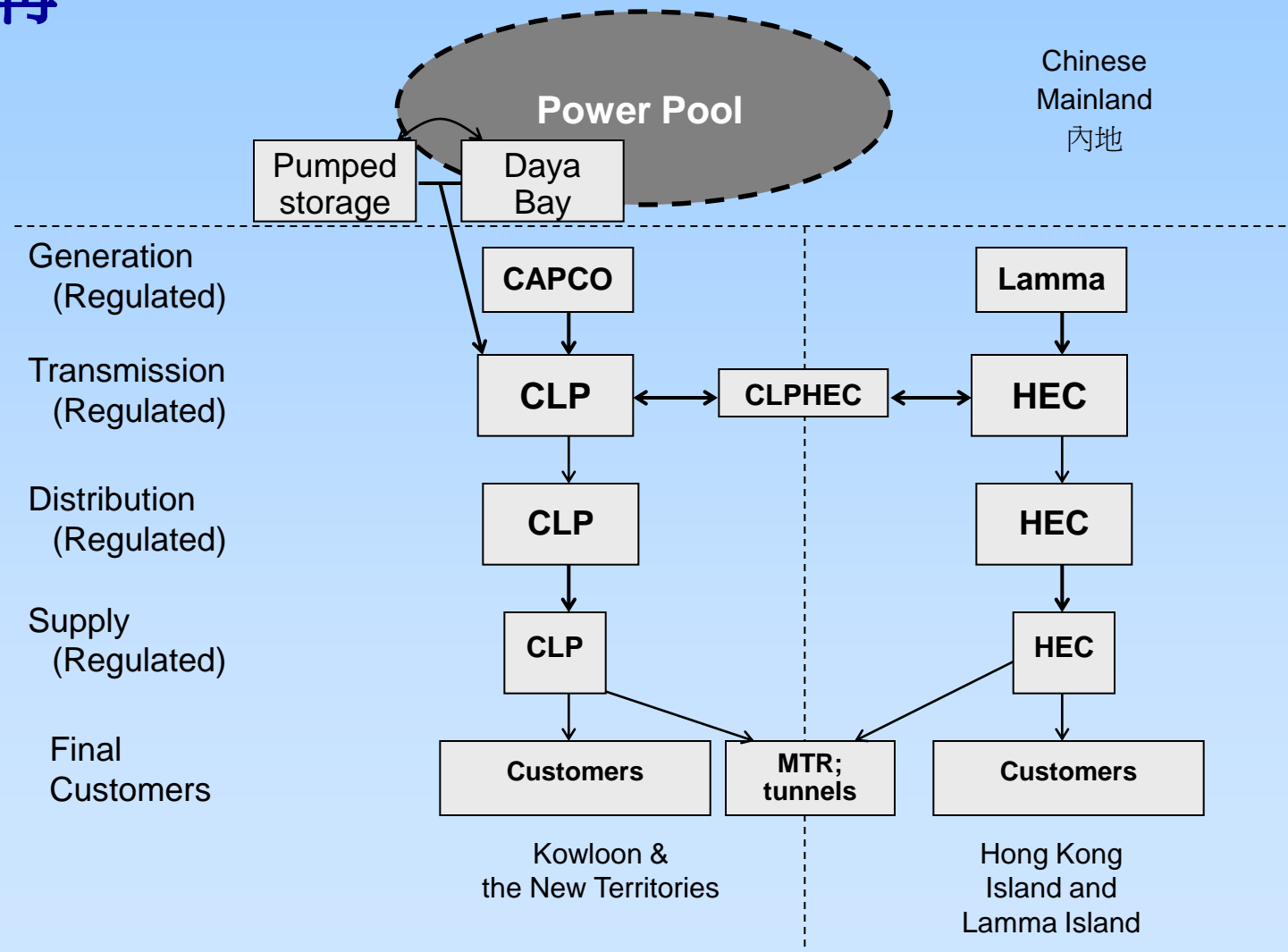
1. 香港的電力市場
2. 有需要興建風電場嗎？
3. 一些建議



# Electricity Industry in 2012 電力工業



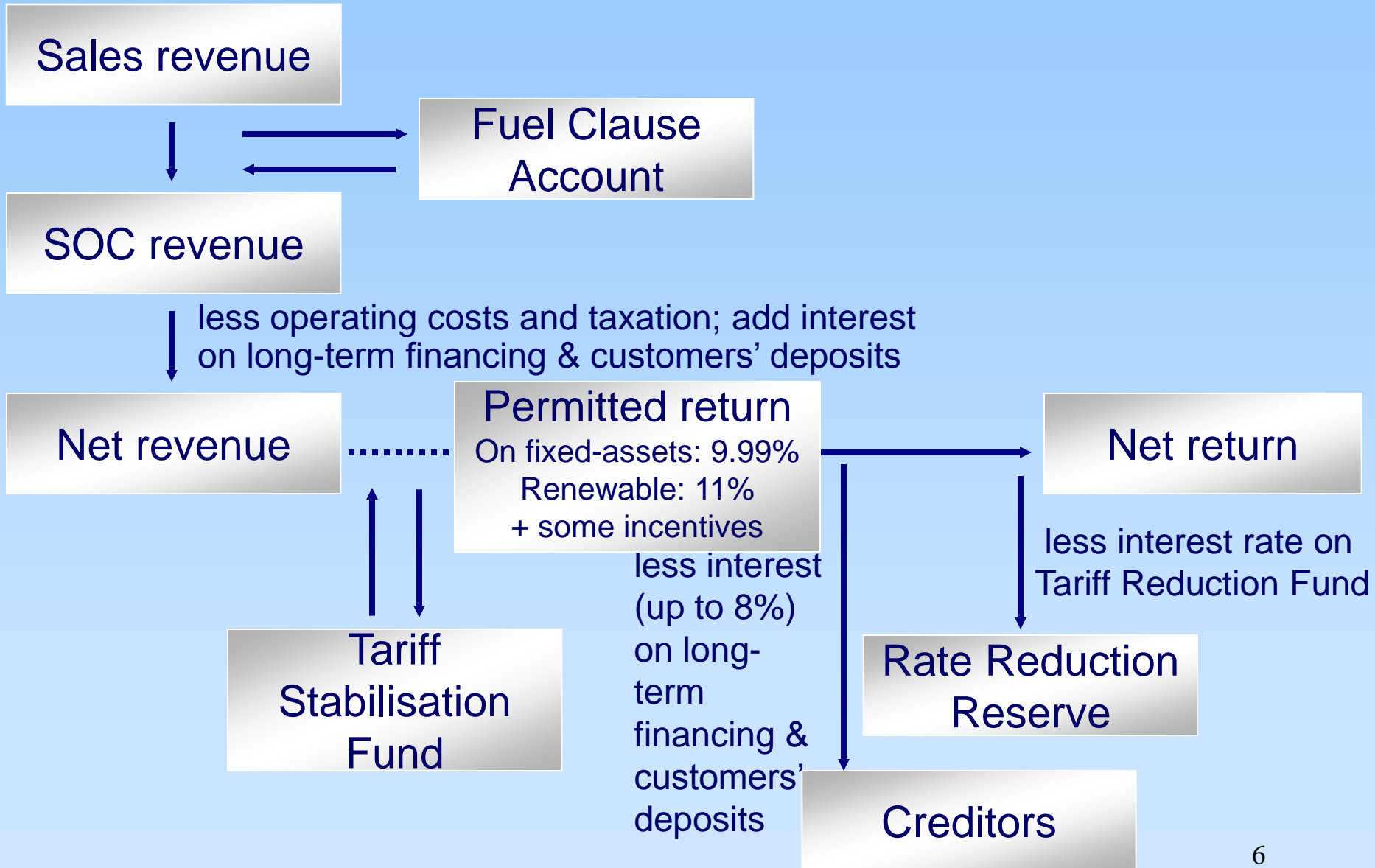
# Market Structure of Hong Kong's electricity industry 香港電力工業的市場架構



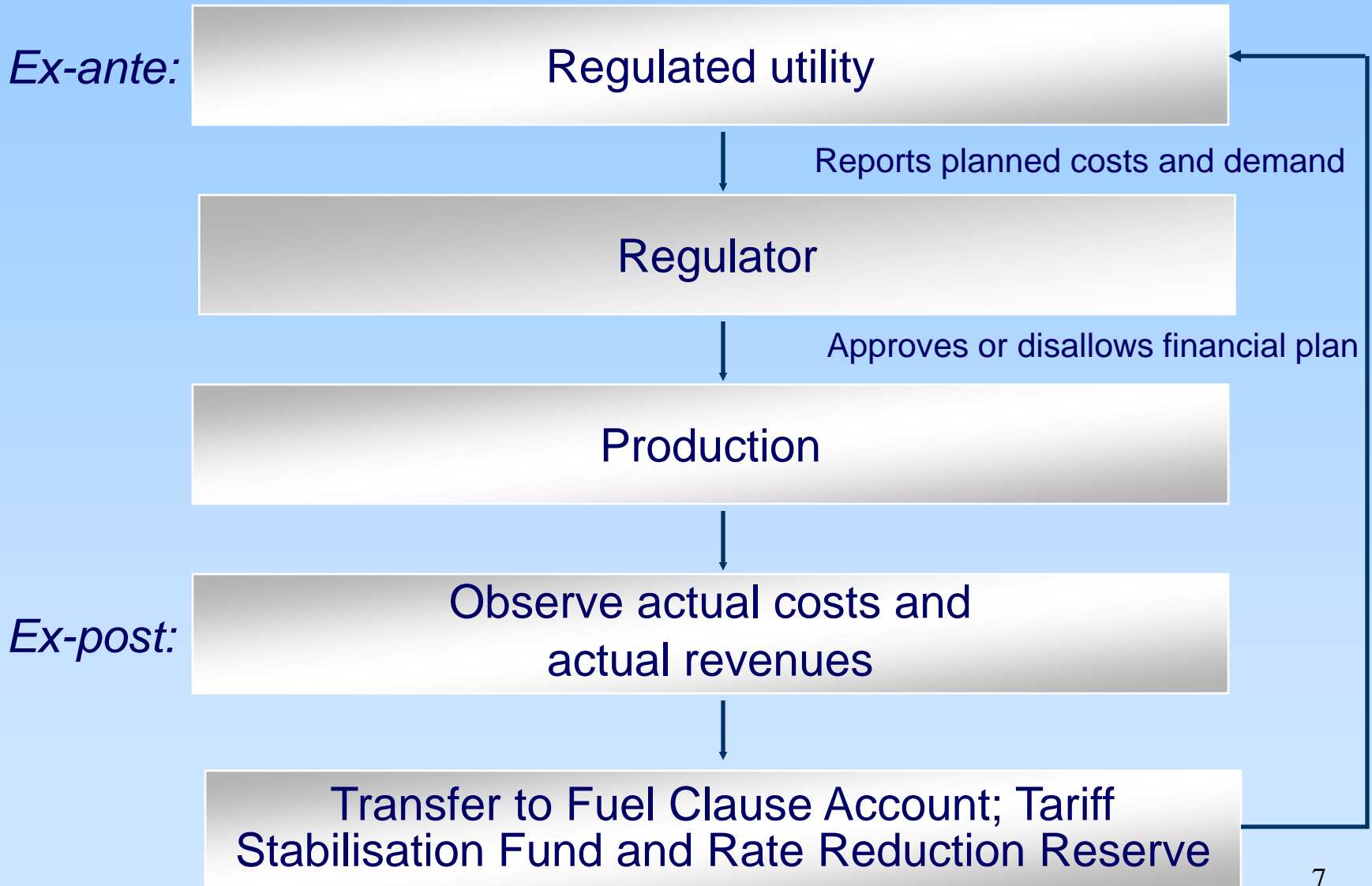
# Objectives of SOC:管制計劃目的

- “The Government recognises that the Companies and their shareholders are entitled *to earn a return which is reasonable in relation to the risks* involved and the capital invested in and retained in their business; and in return, the Government has to be assured that *service to the consuming public continues to be adequate to meet demand, to be efficient and of high quality*, and *is provided at the lowest cost* which is reasonable in the light of financial and other considerations.”
- The Companies will make continuing efforts to improve their environmental performance and to promote efficient use of energy (e.g. reducing emissions, exploring alternative power generation sources, promoting public awareness and public participation).

# The SOC mechanism 管制計劃機制



# Regulatory procedure 管制程序





# 兩電風電場計劃



中電：67台共200兆瓦（50- 70億港元）

港燈：30台共100兆瓦（30億港元）

投資合共100億港元

每年11億港元准許利潤



# 兩電 2011 年備用電量

- 中電：

$$(8,888 \text{ MW} - 6,702 \text{ MW}) / 6,702 \text{ MW} = 33\%$$

- 港燈

$$(3,736 \text{ MW} - 2,498 \text{ MW}) / 2,498 \text{ MW} = 50\%$$

- 風電場只佔1-2%總發電量
- 直至2018年兩電無需增加發電容量
- 興建風電場破壞環境，浪費資源，令電費加幅更大

# 一些建議

- 加強兩電聯網，開放電網，互相支援及買賣電力。
- 大力推動節能減排，製造更多就業機會。

- 改變遊戲規則，取消利潤保證計劃。
- 引入分段收費計劃，降低高峰期用電量。

Thank You

多謝