

Nuclear Facility Life Extension and Rehabilitation: The Canadian Experience

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Balancing demand and supply

■ Ontario

- no significant net addition to infrastructure over last 10 years

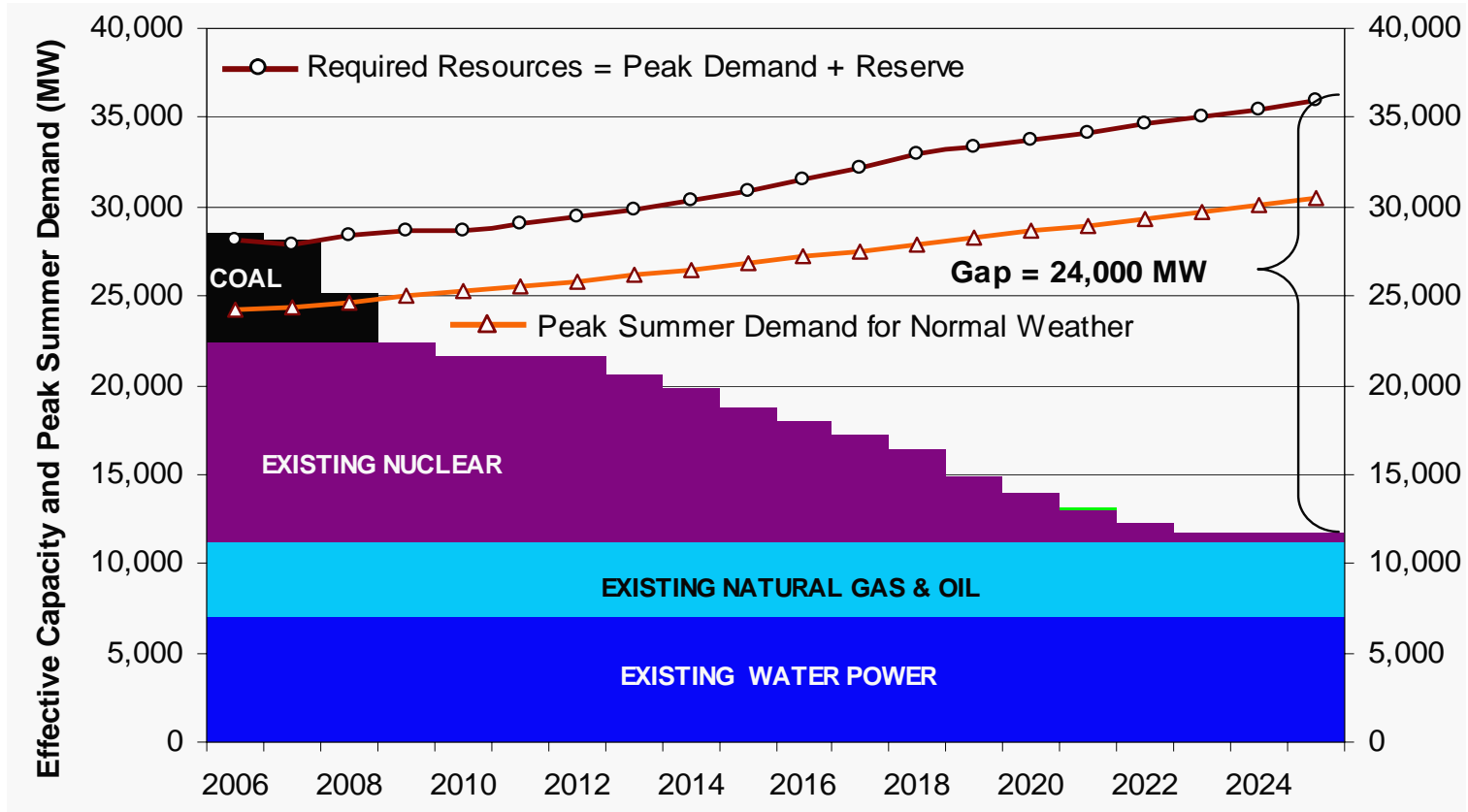
■ New Brunswick

- Point Lepreau refurbishment starting in 2007

■ Quebec

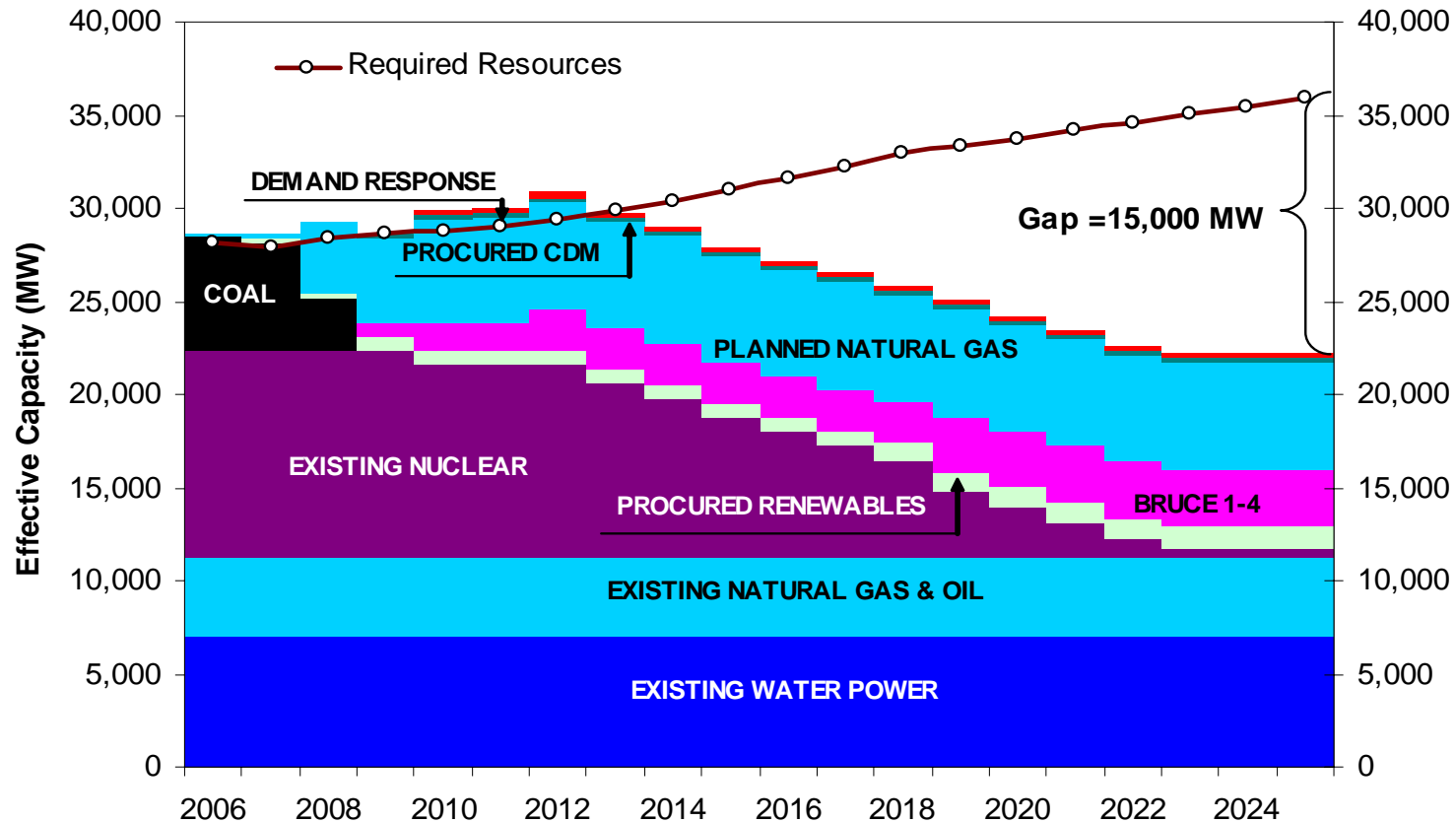
- evaluating the feasibility of refurbishing Gentilly-2

Challenge: Ontario demand growth and generation retirements



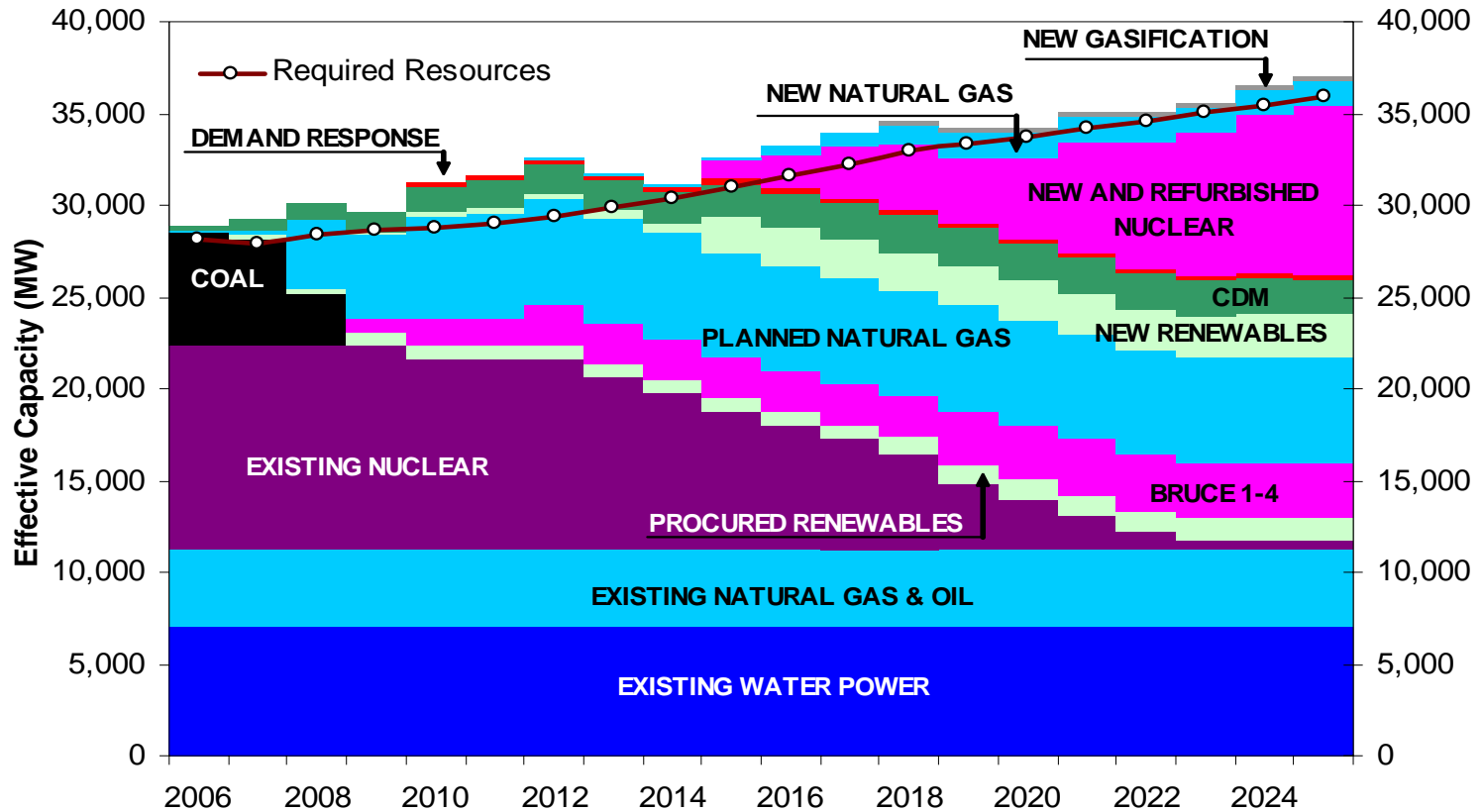
24,000 MW (80% current capacity) going out of service by 2025.

Supply gap in 2025 after planned procurements

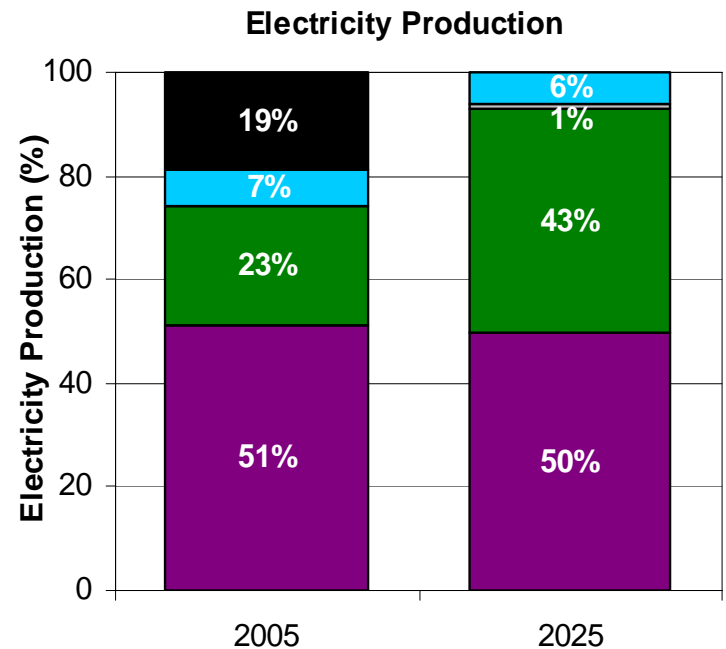
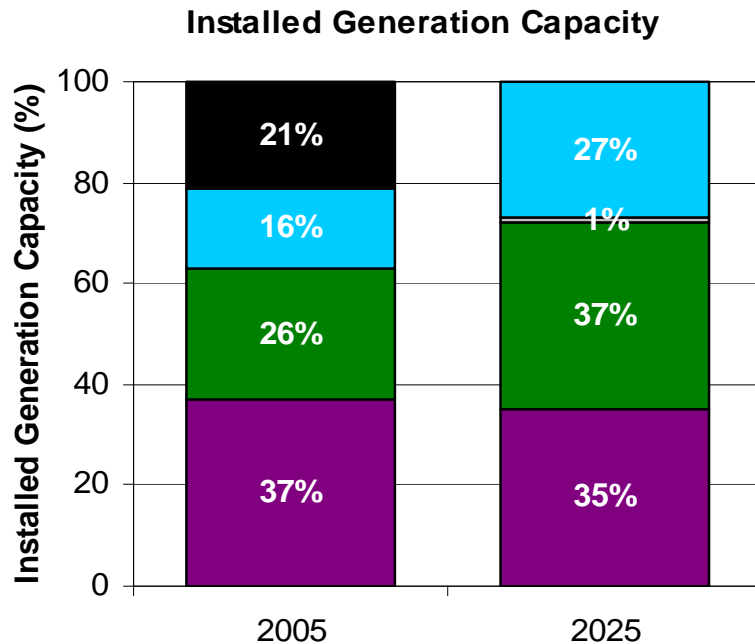


Assumes all hydro and natural gas/oil-fired resources remain in service and all procurements materialize

Filling remaining supply mix gap



OPA's supply mix advice for Ontario



■ Coal ■ Natural Gas ■ Gasification ■ Renewables ■ Nuclear

Scope of this Session

- This session will look at the various phases and issues associated with a refurbishment project