

NTAC Canada-Northwest-California Transmission Options Study

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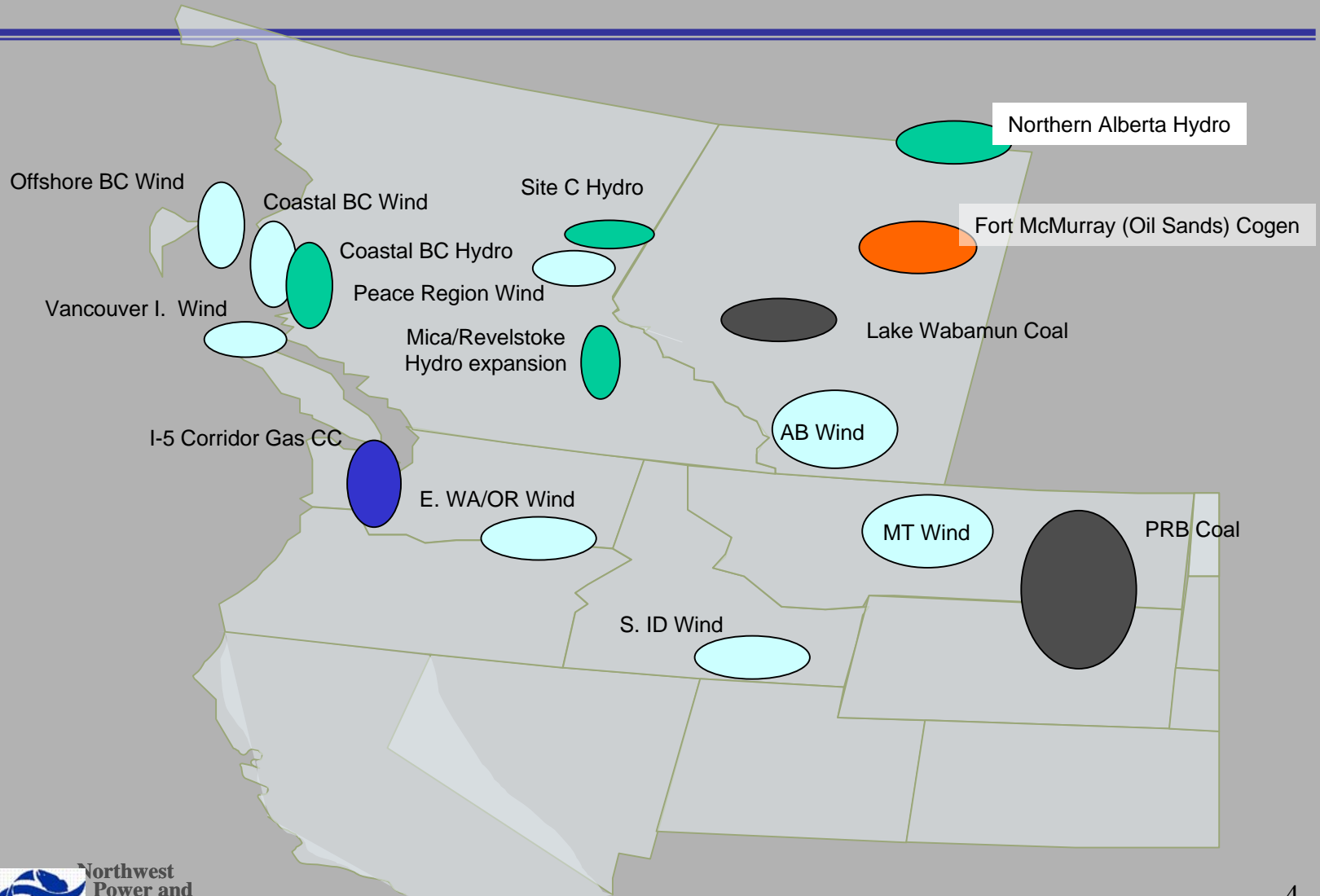
Northwest Transmission Assessment Committee (NTAC)

- “Open forum to address forward looking planning and development for a robust and cost effective Northwest Power Pool area transmission system.”
- Operates under auspices of Northwest Power Pool
- Study groups are formed to address existing bottlenecks plus transmission needed to support new generating resource development
- Three study groups addressing transmission supporting new resource development:
 - **Montana-Northwest Transmission Study Group**
 - **Canada-Northwest-California Study Group**
 - **Wind Integration Study Group**

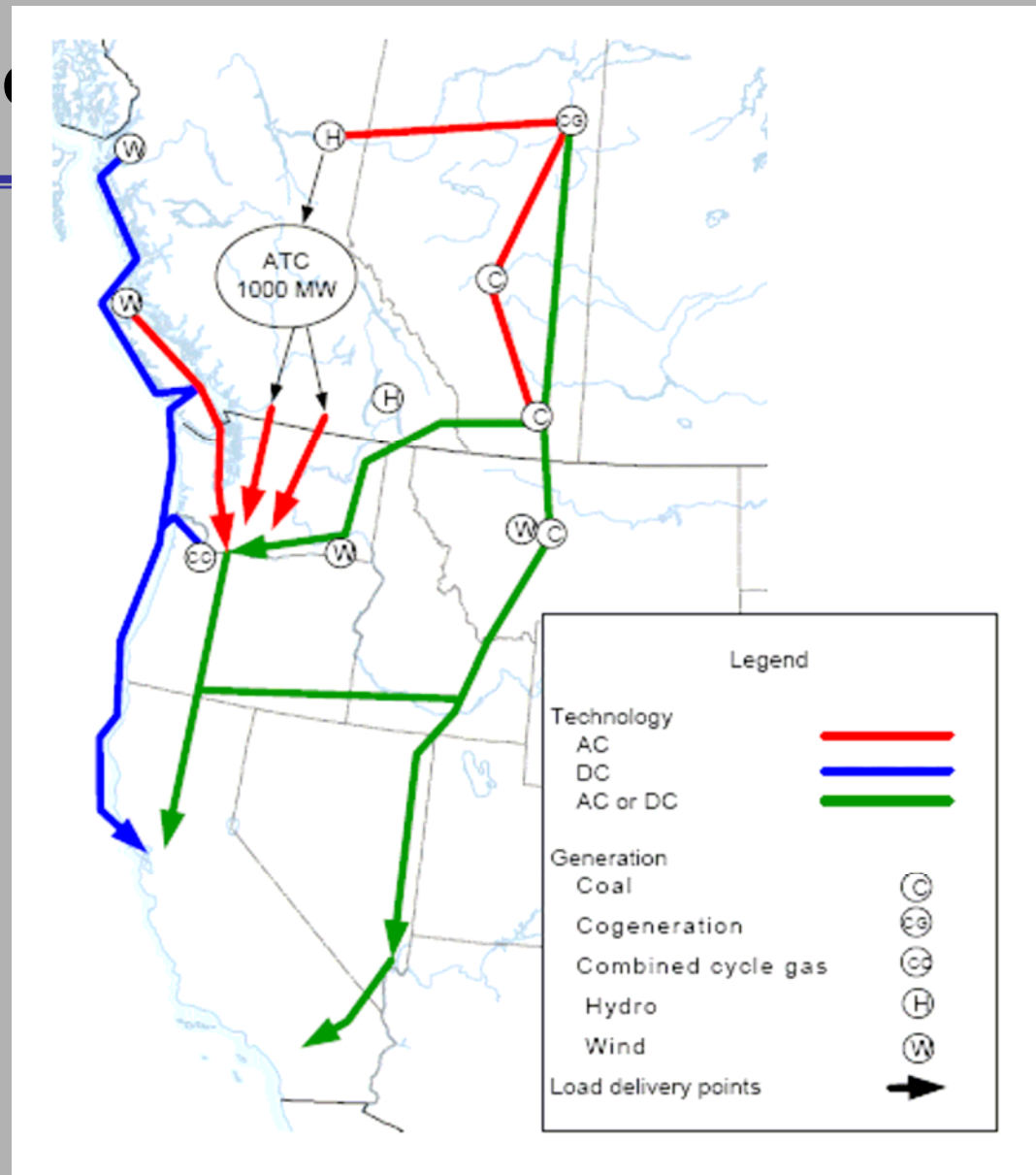
Canada-Northwest-California Transmission Study

- Provide high-level information on the feasibility of potential transmission projects to transfer new resources out of Canada to the Northwest and California.
- Focus is on new long-distance bulk transmission.
- Objective is to support estimates of the total cost of delivered energy from various resource options.

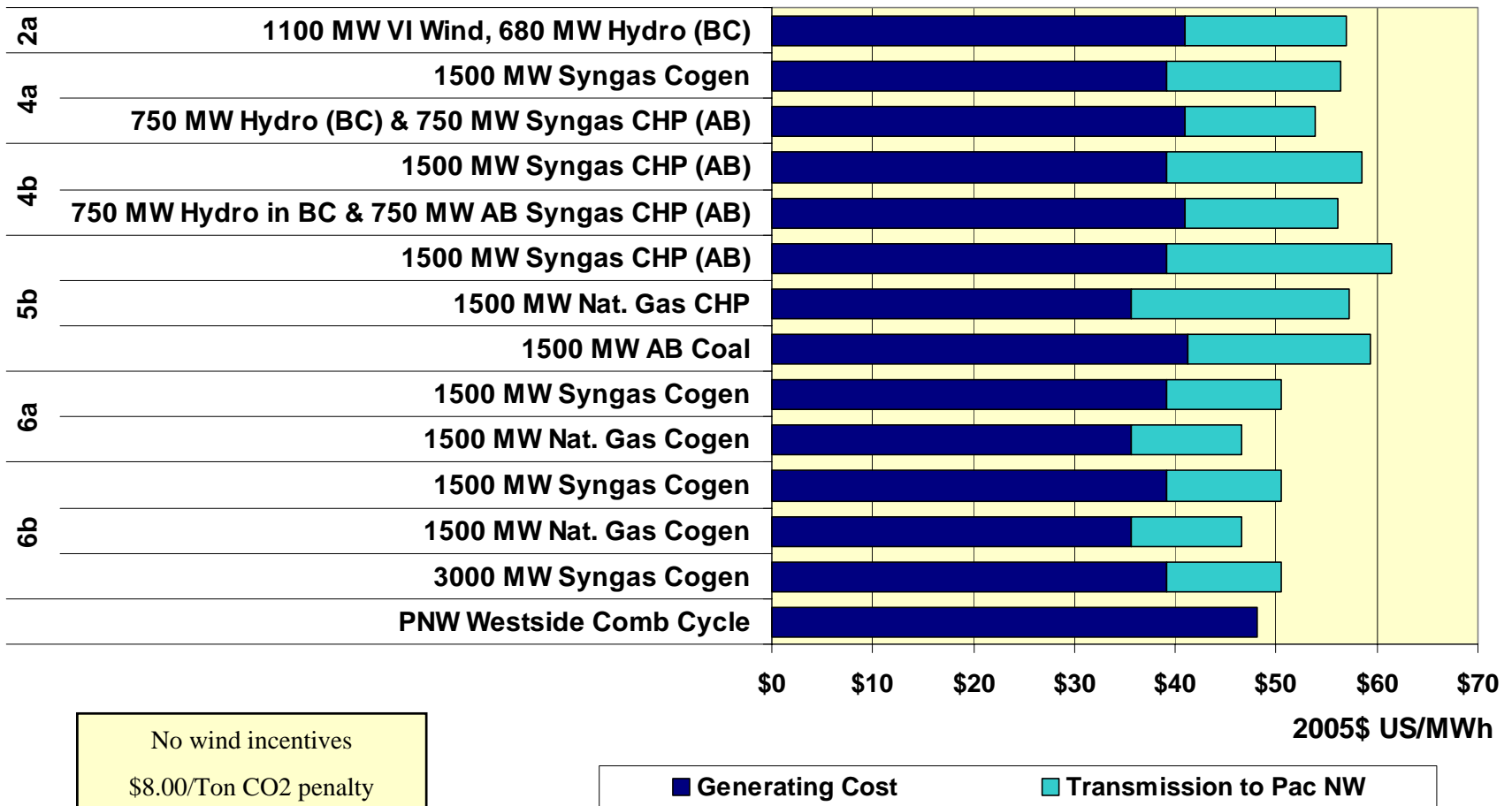
Potential resources



Corridors studied



Selected delivered energy cost estimates (5th Plan medium fuel prices)



Relevance of this study to the Council

Supportive of 5th plan actions:

TX-1: Plan for long-distance transmission needs to support resource development

GEN-15: Refine design & cost estimates for a transmission intertie from oil sands region to the Northwest

Provides information regarding new resource options for consideration in future plans:

Western Canadian wind power (Vancouver I.; coastal onshore, coastal offshore and central BC; central Alberta)

Northern BC hydro

Alberta coal