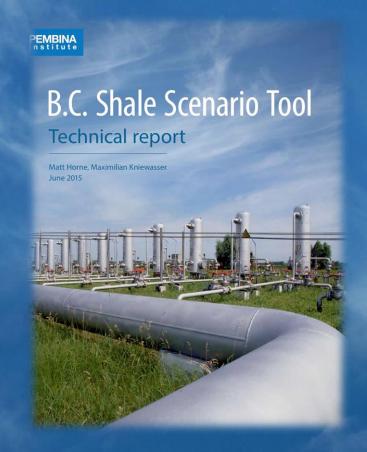
LNG and shale gas

Choices for development and the implications for water resources in northeast B.C.

Matt Horne

Pembina Institute





Leading Canada's transition to a clean energy future

The Pembina Institute is a national non-profit think tank that advances clean energy solutions through research, education, consulting and advocacy.



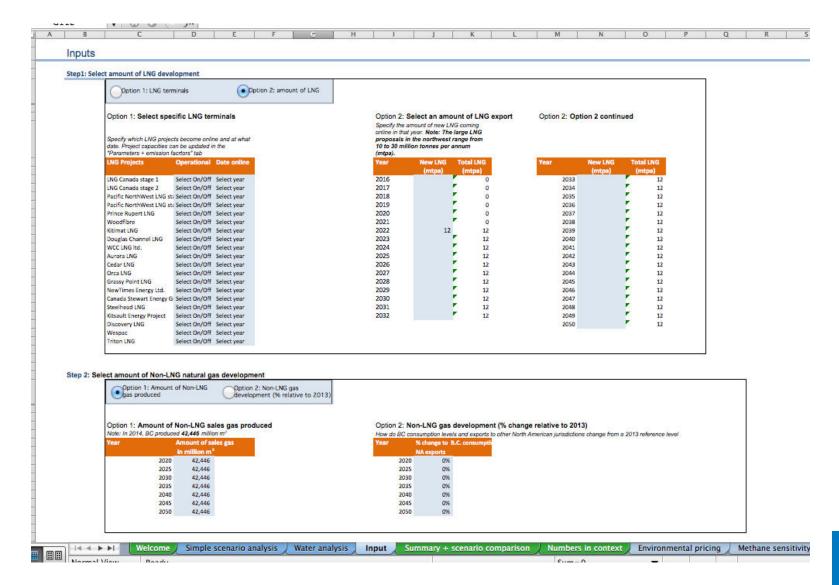








Pembina's B.C. Shale Tool



What the tool is and isn't

Is: Tool to help understand the environmental impacts from different levels of LNG and shale gas development, and different levels of environmental policy.

Isn't: Predictive model of how much LNG or shale gas development will proceed.



Inputs and outputs

Inputs

Amount of LNG and shale gas demand

Location that the gas comes from

Strength of environmental policies

Outputs

Gas wells

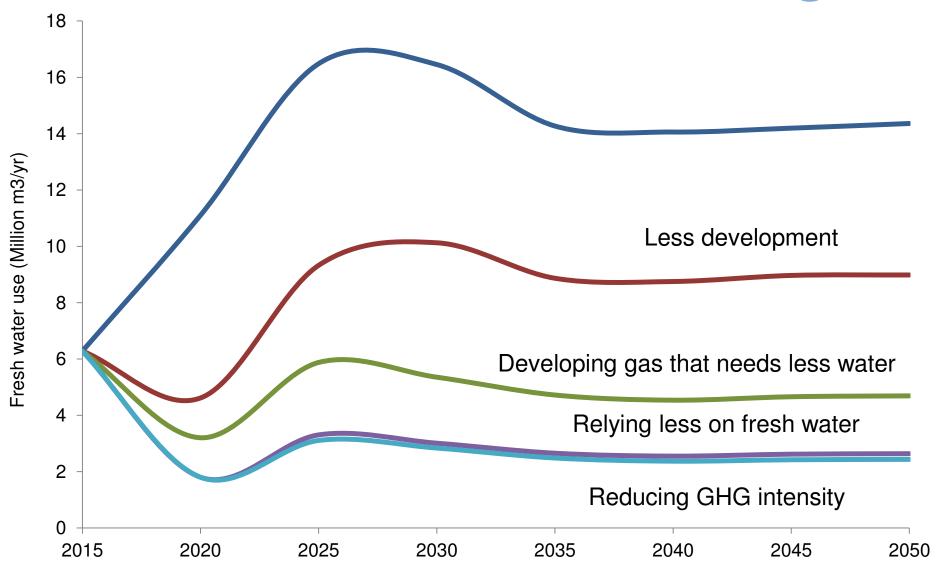
Carbon pollution

Water use

Wastewater



Fresh water use for fracking



Conclusions

- An LNG boom could have significant implications for water resources in northeast B.C.
- Choices about the scale of development, location of development, and approach to development are all important factors.
- The earlier we understand and discuss options, the more flexibility we have



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Download the B.C. shale planning tool: www.pembina.org/pub/BCShaleTool

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