

National Energy
Board



Office national
de l'énergie

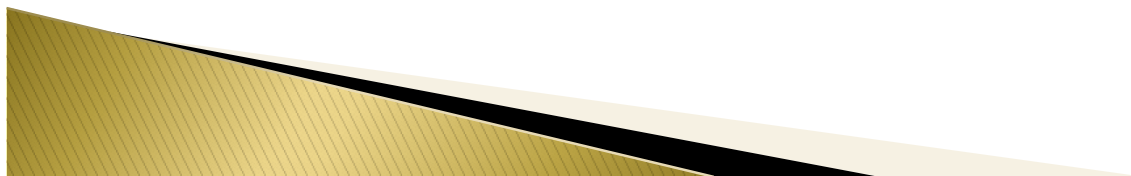
“Changing Natural Gas Pipeline Throughputs in Canada”

Presented at 2015 EIA Energy Conference

June 15, 2015

Margaret Skwara, National Energy Board

Abha Bhargava, National Energy Board





About the National Energy Board (NEB)



- [National Energy Board Act](#)
- [LNG Export and Import Licence Applications](#) (summary and links to LNG export licence applications)
- [Market Snapshots](#) (energy information updates; weekly updates)
- [Energy Futures Report](#) (long term projections of supply and demand; Nov 2015 new release)
- [Regulatory Document Index](#) (submissions, correspondence, decisions)



Major Pipeline Systems Regulated by the NEB



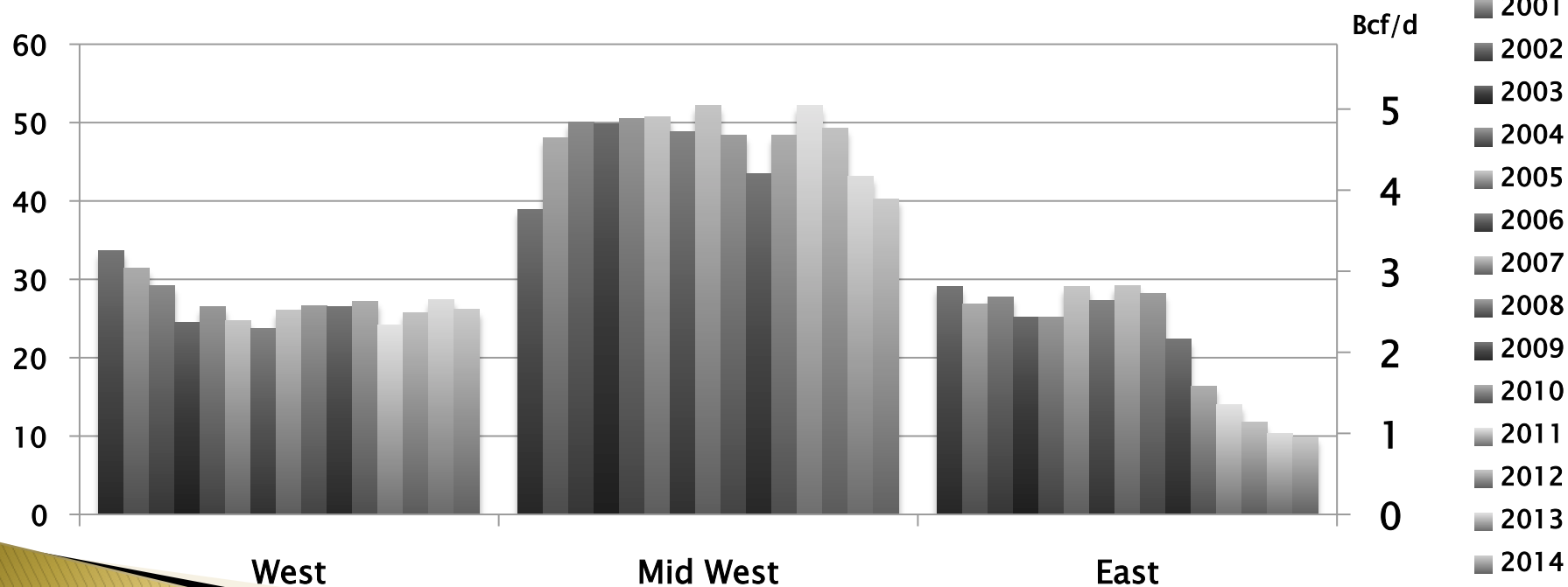
- 73,000 km of interprovincial and international pipelines.
- Pipelines shipped \$159 billion worth of crude, petroleum products, NGLs and natural gas.
- Transportation cost of approximately \$7 billion.

Source: NEB 2014 [Annual Report](#) to Parliament



Declining Throughputs to Markets in the East

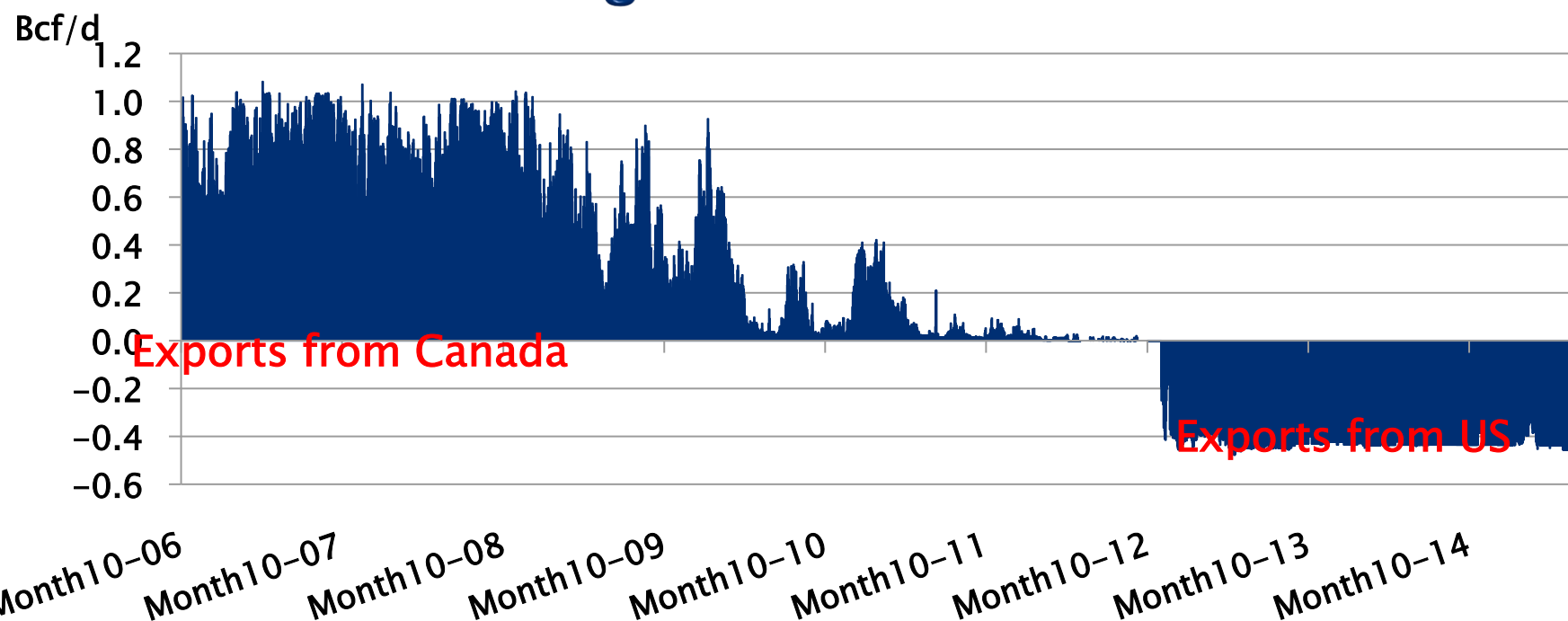
Billion cubic meters
per year



Source: NEB [Commodity Statistics](#), Gas – Historical Summary by Region



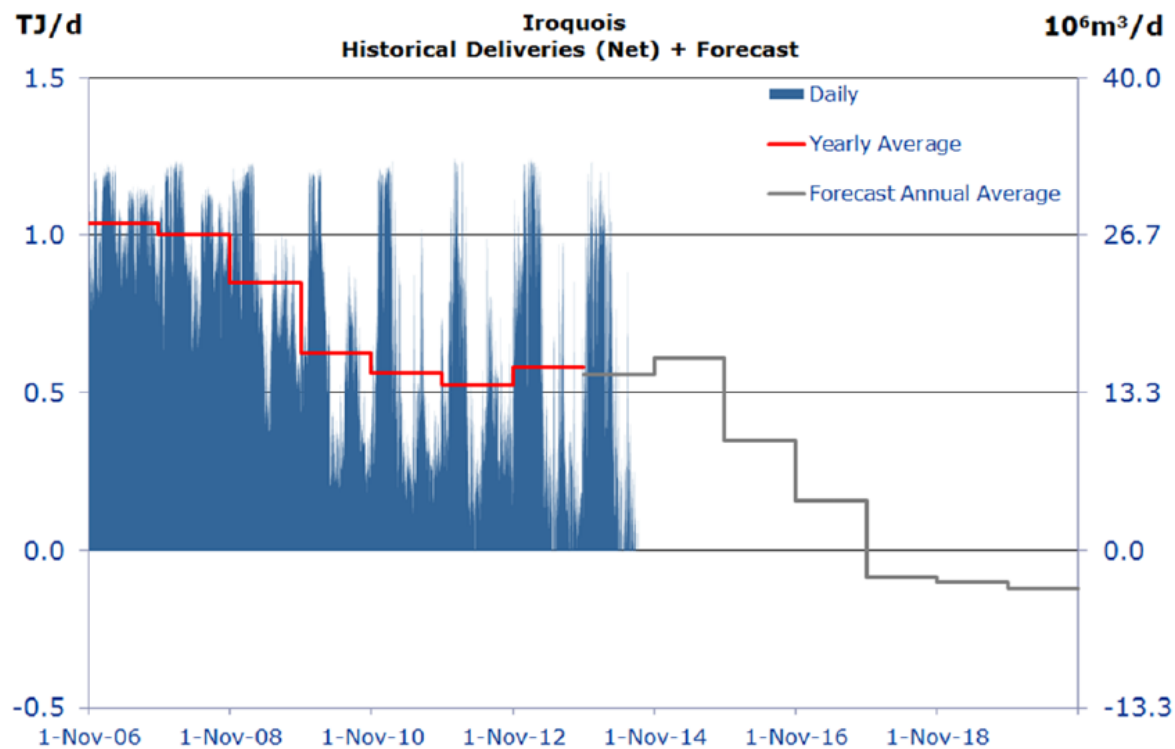
Flow Reversals at Niagara



Source: LCIEI; daily throughputs @ Niagara



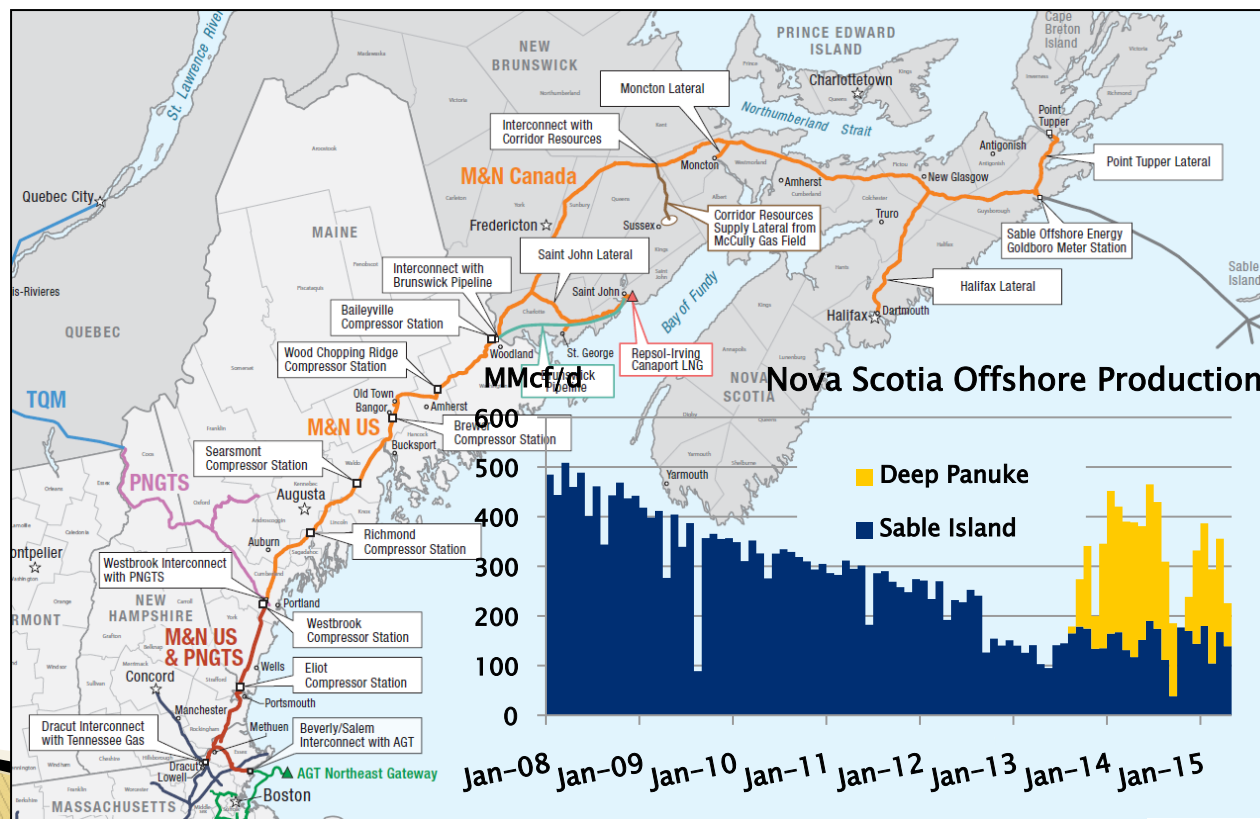
Anticipated Flow Reversals at Iroquois



Source: TransCanada [filing](#) to Ontario Energy Board, re: EB-2014-0289, Jan. 16, 2015

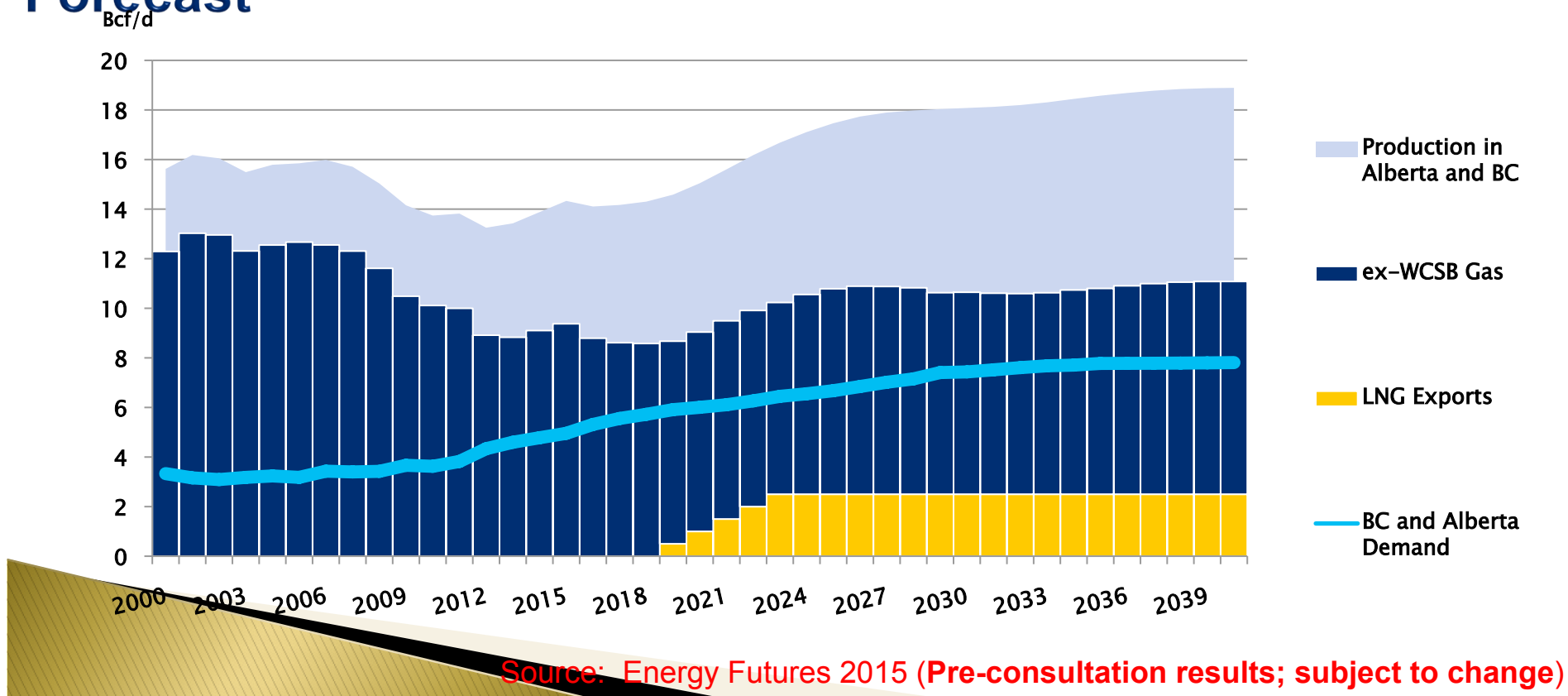


Unique Market in the Maritimes



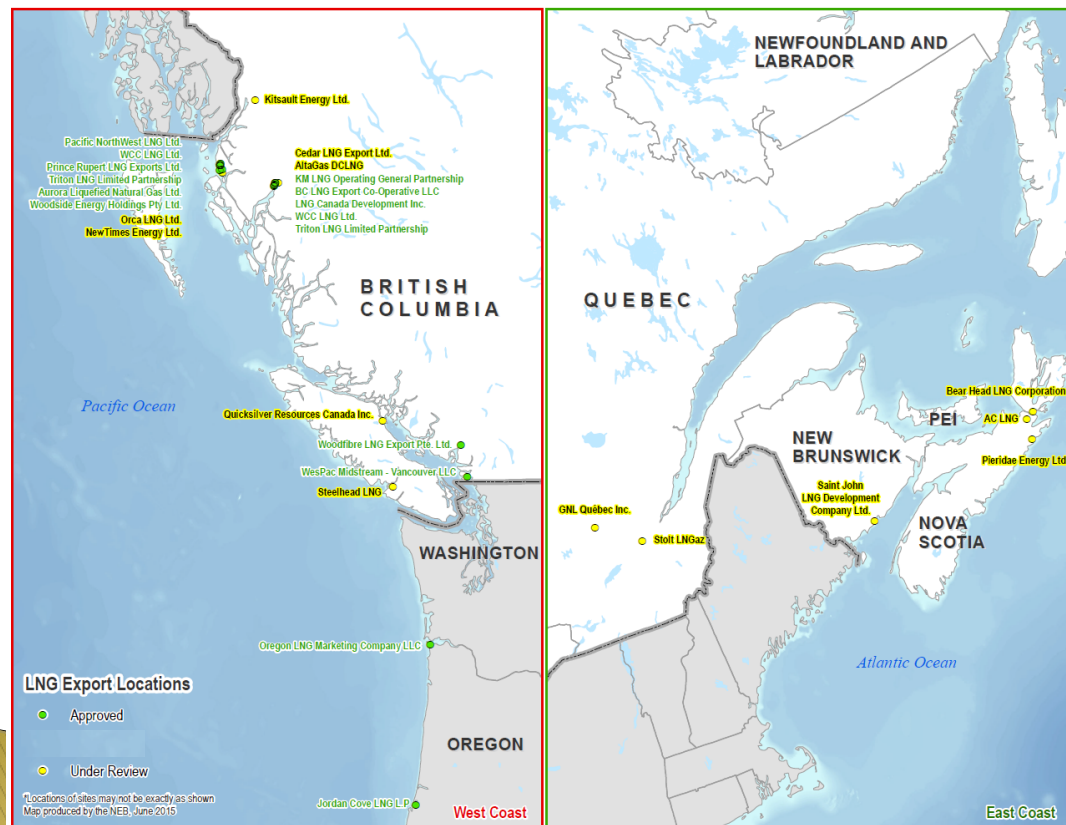
Source: Maritimes & Northeast Pipeline; [Canada-Nova Scotia Offshore Petroleum Board](#)

Natural Gas Production and ex-WCSB Exports Forecast





Potential Growth Markets for Canadian Gas



LNG exports from Canada;
Mid-West US market;
Pacific Northwest.

Source: National Energy Board



Conclusions

- Changing gas flows continue to characterize the Canadian natural gas market.
- Less Canadian gas into the US Northeast market.
- Traditional export points are evolving into import points (ex. Niagara, Chippawa, Iroquois).
- Maritimes to turn from net-exporters to net-importers of natural gas before the end of the decade; pipeline de-bottlenecking plans in early phases of regulatory review (FERC).
- Canadian production expected to increase to ~19 Bcf/d by 2040. Forecast assumes 2.5 Bcf/d of LNG exports from Canada by 2023. 8 Bcf/d of natural gas available for ex-WCSB export.* **Preliminary results from Energy Futures 2015; to be released in November 2015.*
- More Canadian gas will be exported to US Mid-West and US West markets.

