



National Energy Board



Office national de l'énergie

Energy Data Management at the National Energy Board

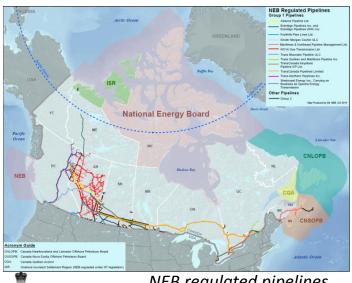
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About the National Energy Board

An independent quasijudicial regulatory tribunal established in 1959.



NEB regulated pipelines



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Office national de l'énergie Regulates pipelines, power lines, energy development, and energy trade in the Canadian public interest



The NEB's office in Calgary, Alberta



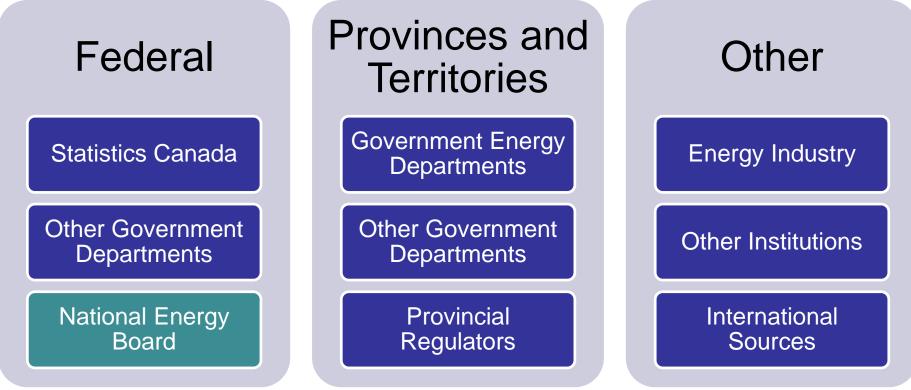
What data does the NEB collect?

Energy Market Statistics	ImportsExportsOther Trade Data	
Regulatory & Operational Statistics	 Pipeline Incidents Non-compliance Information on regulatory applications 	
Frontier Statistics	ProductionExploration (Drilling and Seismic Activity)	





In Canada, energy statistics come from a variety of sources





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What does the NEB do with the data?

- Publish statistics and reports on its website
- Uses them internally for operational purposes
- Support the NEB's strategic priorities:

de l'énergie

Board



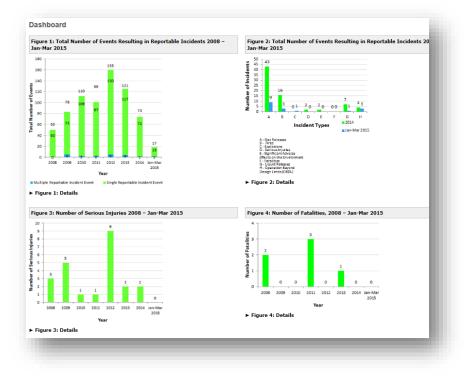


Safety Performance Portal

Interactive Incident Map shows incident location by year, type



Dashboard highlights key incident statistics and charts





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Statistical Tables

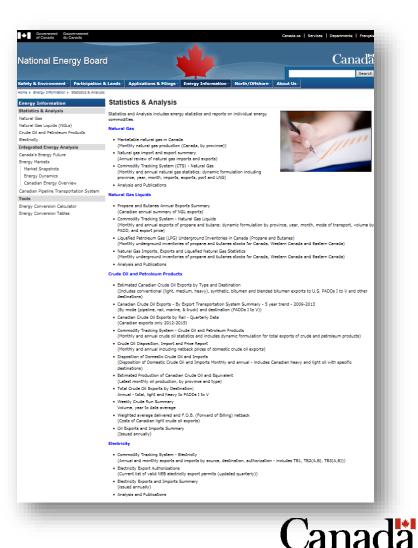
Data tables on key statistics can be downloaded from the website

- By energy commodity:
 - Natural gas
 - Natural gas liquids
 - Crude oil and Petroleum Products
 - Electricity
- Available in a variety of formats
 - HTML
 - PDF



Excel



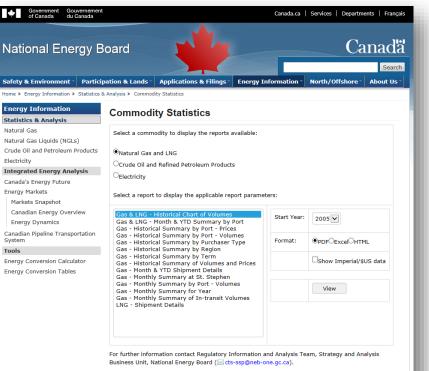


Commodity Tracking System

- Electronic web portal to simplify completion of monthly reporting requirements
- Allows users to access statistical reports in a dynamic framework
 - Statistics available by energy type, desired statistic, year, output format, units



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Filing Commodity Forms

- 🛓 Commodity Forms Help
- 🛓 First Time User Guide



Energy Information Products

- Cover a wide range of areas
 - Resource Assessments
 - Energy Market Overview
 - Projections
- Utilize statistics collected by the NEB, as well as others







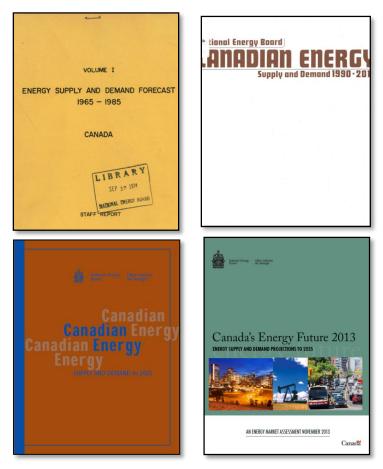


Canada's Energy Future

- Flagship energy information product
- Long term projection of energy supply and demand for:
 - All provinces and territories
 - All energy commodities
 - All sectors
- Published since 1967, currently released every two years
- Includes a very large statistical appendix



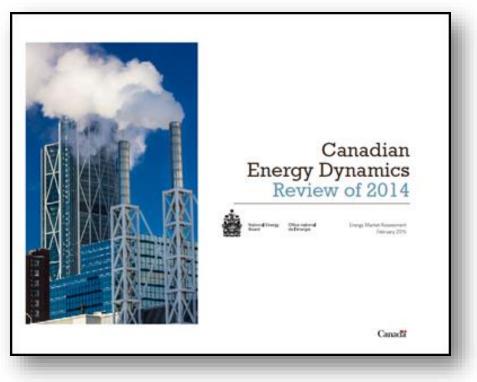
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Canadian Energy Dynamics

- Annual publication covering important trends in Canadian energy for the previous year
 - By energy type
 - By region
- Detailed data review found in the Canadian Energy Overview







Energy Supply Reports

Resource Assessments

- Assessments of various resource plays
- Done in collaboration with Province/Territory governments/regulators

Deliverability Report

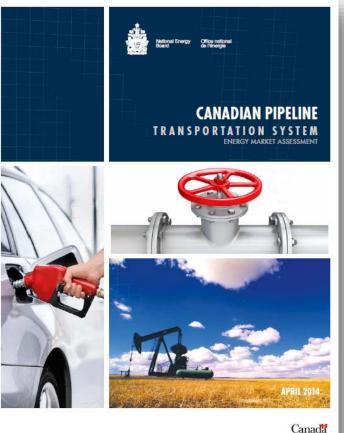
- Annual, short-term projections of natural gas production
- Oil Deliverability coming this year



Canadian Pipeline Transportation System Report

- Overview of NEB regulated pipelines at a specific point in time
 - Capacity
 - Utilization
 - Tolls
 - Settlements
 - Toll Proceedings
 - Complaints
 - Financial Integrity

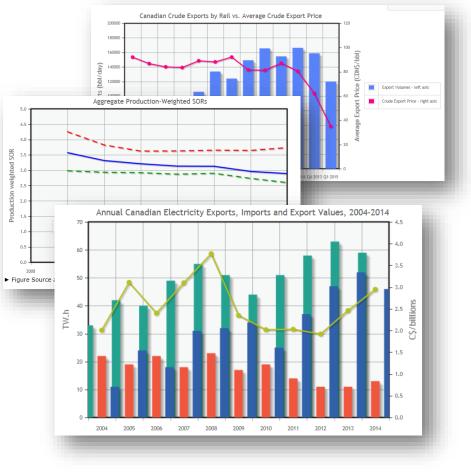






Market Snapshots

- Short overview of a given energy topic
- Provides topical energy information to Canadians
- Several snapshots highlight NEBcollected data





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How is the NEB improving its data?

Quantity	 Collect and publish new data Increasing demands for data to be made available faster 	
Quality	 Verification Collaboration with other statistical agencies 	
Consistency	 Definitions Data Within Canada and internationally 	



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Regulatory Information Analysis Team

- Provides a centralized source of data related to the business of the Board and helps demonstrate how the NEB meets its goals.
- Provides efficient, accurate and consistent responses to requests for data and information.
- Conducts analysis of historical trends and patterns and generates reports that assist in business operations.
- Promoting transparency of information and data by making information available to the public using current technology.





Canada/U.S./Mexico Trilateral:

- Consultation and collaboration on North American energy information
- Four areas of cooperation:

Export/Import	Geospatial	Projected	Energy
Data		Energy Flows	Definitions
ComparingValidatingImproving	 Sharing geospatial information on energy infrastructure 	 Comparison of energy outlooks 	Understand differences in definitions and concepts related to energy





Collaboration with U.S. Energy Information Administration

- Quarterly Conference Calls
 - Data
 - Information products
 - New releases
- Work together on data issues
 - For example, crude by rail



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Rail cars carrying crude oil outside the NEB offices in Calgary



Conclusion

- Energy data is important to the NEB, and has a big role to play in the future.
- ✓ There is room for improvement.
- Some of the improvements we are making are through participation in international forums such as this one.











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