Canada’s Perspective: Natural Gas Data Collection and JODI-Gas Issues

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Monthly Gas Data in Canada

A mature collection system for supply-demand:

1. Upstream data are collected by nine regulatory agencies
   - overseeing a large number of conventional suppliers, one offshore field, and one LNG import terminal

2. Transportation/distribution data collected by Statistics Canada via a detailed statistical survey (in existence for several decades)
   - ≈ 100 respondents, including long-distance pipelines and local distribution companies
Issue: Data Timeliness for M-1

- Current availability of data:
  - preliminary data available from regulatory and statistical agencies around 1 to 1½ month after the reference month
  - actuals available ≈ one month later or more

- Options:
  - estimating missing data for M-1
  - accelerating the collection of key statistics
    - as was done in Canada for JODI-Oil
Issue: Stock Levels

- Currently, there are no administrative/statistical surveys in Canada on levels of gas in storage
  - however, data on deliveries to, and withdrawals from storage sites are collected under the pipeline/distribution survey
  - thus, stock changes data can be calculated

- Options:
  - developing a new statistical survey of storage sites
  - using data available from private sector consultants
Issue: Power Generation

- Currently, the pipeline/distribution survey does not ask respondents to identify deliveries to power generators

- Options:
  - expanding the pipeline/distribution survey
    - however, respondents may not know if gas delivered to industrial facilities are used for industrial purposes or power generation
  - modifying monthly electricity survey to seek electricity generation from natural gas, and then estimating fuel input