

# Development of the West Doe Sour Gas Plant

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# Agenda

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- About Spectra Energy
- Description of Development
- Development Timelines
- Challenges

# About Spectra Energy and Spectra Energy Midstream

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**Spectra Energy Corp** (NYSE: SE), a FORTUNE 500 company, is one of North America's premier natural gas infrastructure companies serving three key links in the natural gas value chain: gathering and processing, transmission and storage, and distribution. For nearly a century, Spectra Energy and its predecessor companies have developed critically important pipelines and related infrastructure connecting natural gas supply sources to premium markets. Based in Houston, Texas, the company operates in the United States and Canada approximately 19,100 miles of transmission pipeline, more than 285 billion cubic feet of storage, as well as natural gas gathering and processing, natural gas liquids operations and local distribution assets. The company also has a 50 percent ownership in DCP Midstream, one of the largest natural gas gatherers and processors in the United States. Spectra Energy is a member of both the Dow Jones Sustainability Index North America and the U.S. S&P 500 Carbon Disclosure Leadership Index.

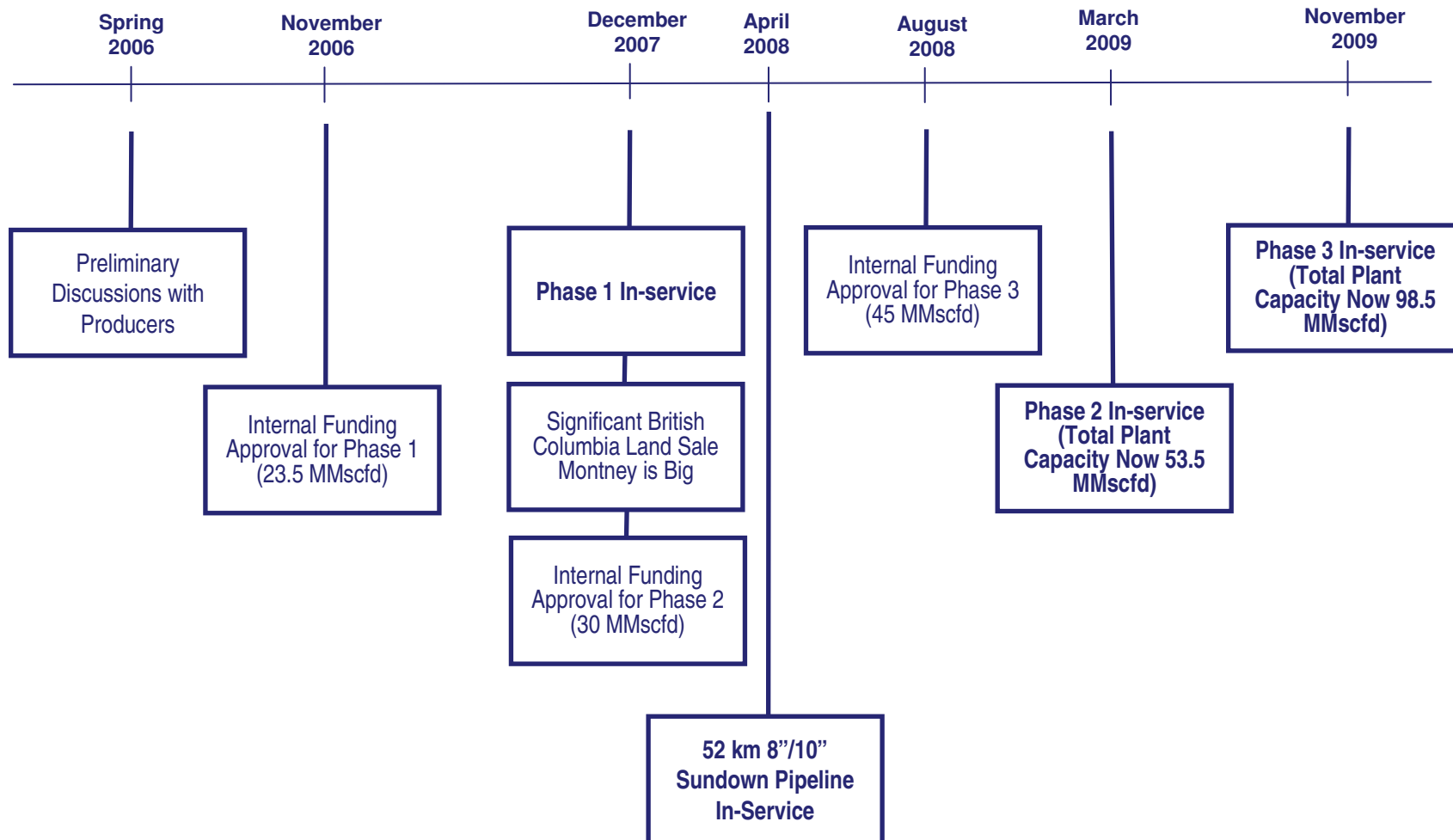
**Spectra Energy Midstream** is one of the largest midstream operators in western Canada with interests in eleven natural gas processing plants with more than 650 MMscfd of processing capacity. With mid-sized facilities located in Alberta and northeastern British Columbia, Spectra Energy Midstream employs a sour gas focus with about 95% of its processing capacity having sour gas processing capabilities. Environmentally preferred injection facilities are utilized at five of Spectra Energy Midstream's plants to dispose of acid gas.

## Description of the West Doe Facilities

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- Spectra Energy Midstream's West Doe Plant is located at **02/03-25-80-15 W6M** approximately 19 km north of Dawson Creek, BC
- The plant's acid gas injection is adjacent to the plant and disposes of acid gas in the Belloy formation.
- Gas processing capacity is **98.5 MMscfd** with an inlet gas composition of **2.35% H<sub>2</sub>S** and **2.74% CO<sub>2</sub>**.
- Gathering systems include the **6" Sunrise pipeline from 01-18-80-17 W6M** and the **50% WI 8"/10" Sundown pipeline from b-67-H/93-P-10**.
- 50% WI in the 3" fuel pipeline from the West Doe plant to b-67-H/93-P10.
- Plant sales connections are to the Spectra Energy Transmission T-North system and the Alliance Pipeline system.

# History of the Development



# Challenges & Spectra Energy's Response

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- Stakeholders

- Greenfield facility
- Unprecedented industry activity south of the Peace River
- First acid gas disposal scheme into an aquifer in British Columbia

- Robust Stakeholder management strategy
  - Time, information sharing, addressing concerns, education, commitment to safety
- Leveraging existing facilities
- Managing expectations

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- Development occurred during a period of high industry activity

- Significant multi-project draws on internal resources
- Impact to costs and schedule

- Continuous improvement re: our Project Execution Model
- Strong project team, external suppliers, clarification of expectations
- Dedicated resources, early involvement by key owners of the project
- Relentless oversight with focus on scope-creep

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Spectra Energy Midstream

