North Dakota Petroleum Council Annual Meeting

Justin J Kringstad

Geological Engineer
Director
North Dakota Pipeline Authority



Natural Gas Update



Production

- Technology
- Markets



Gathering

- Capacity
- Connections



Processing

- Capacity
- Location

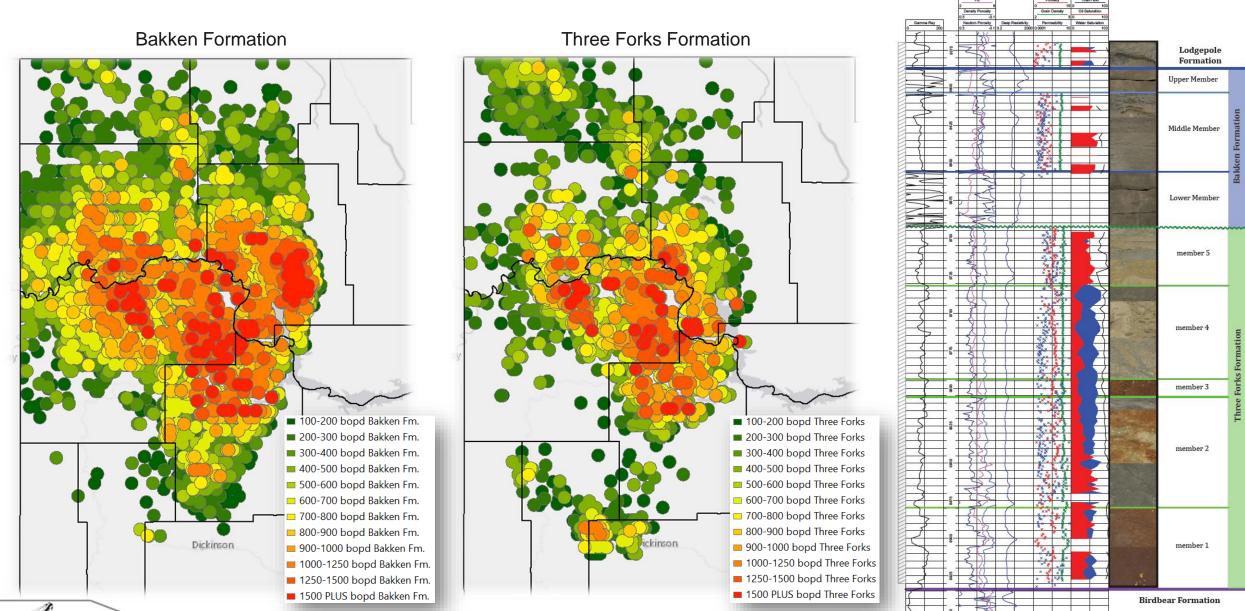


Transmission

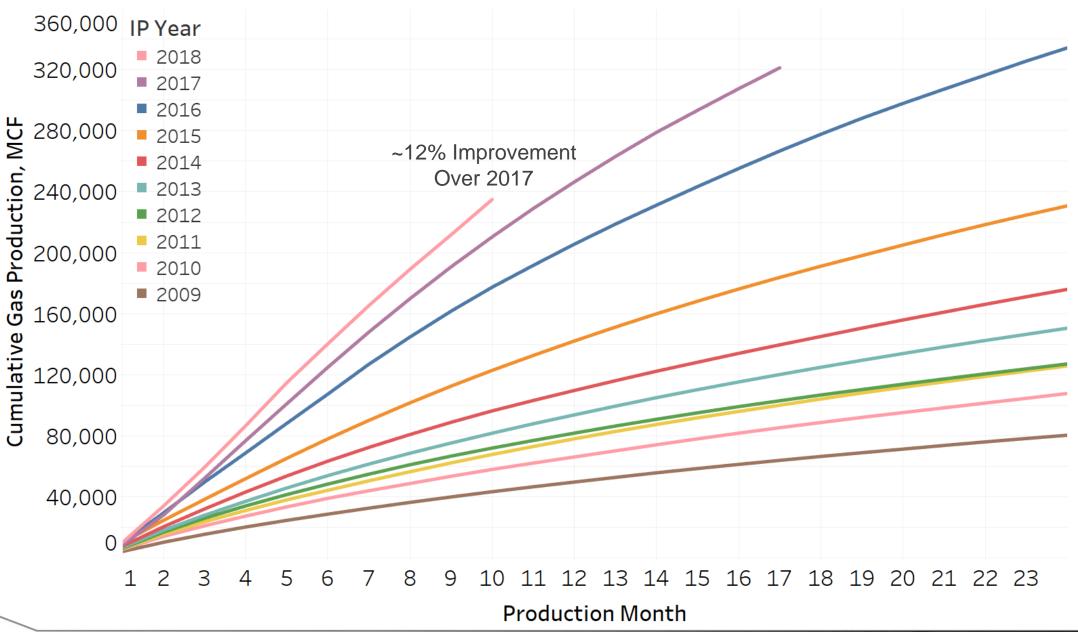
- Dry Gas
- Natural Gas Liquids



Bakken & Three Forks Formations



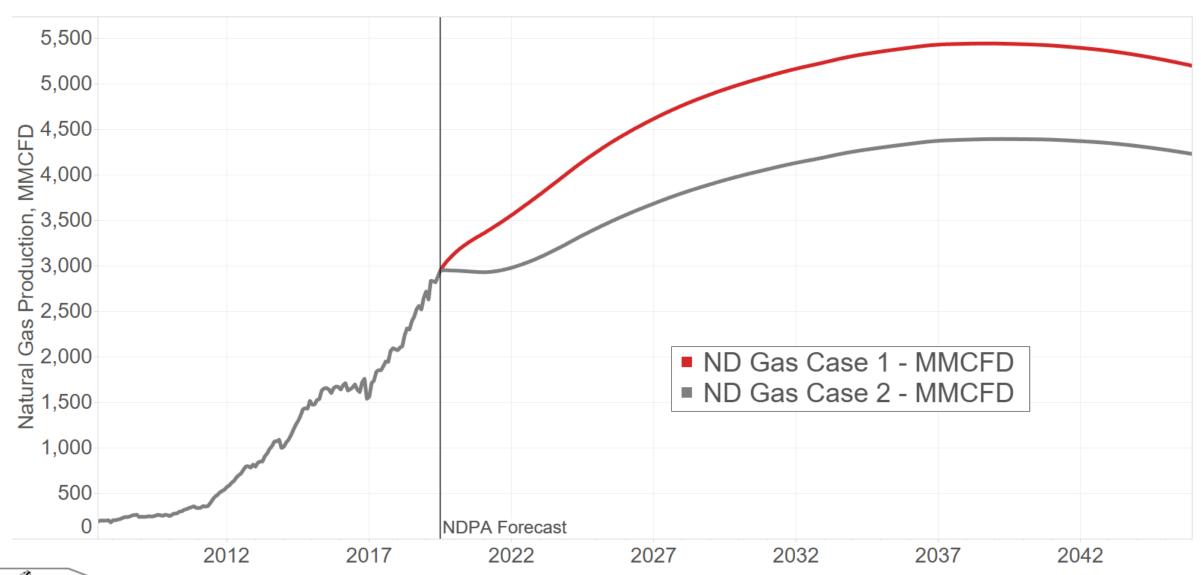
Statewide Gas Performance





North Dakota Gas Production Forecast

Assumes Current Technology - Enhanced Oil Recovery Not Included



Natural Gas Update



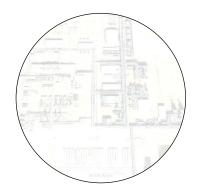
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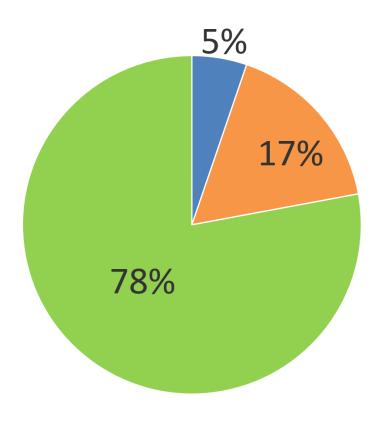
- Capacity
- Location



Transmission

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Statewide

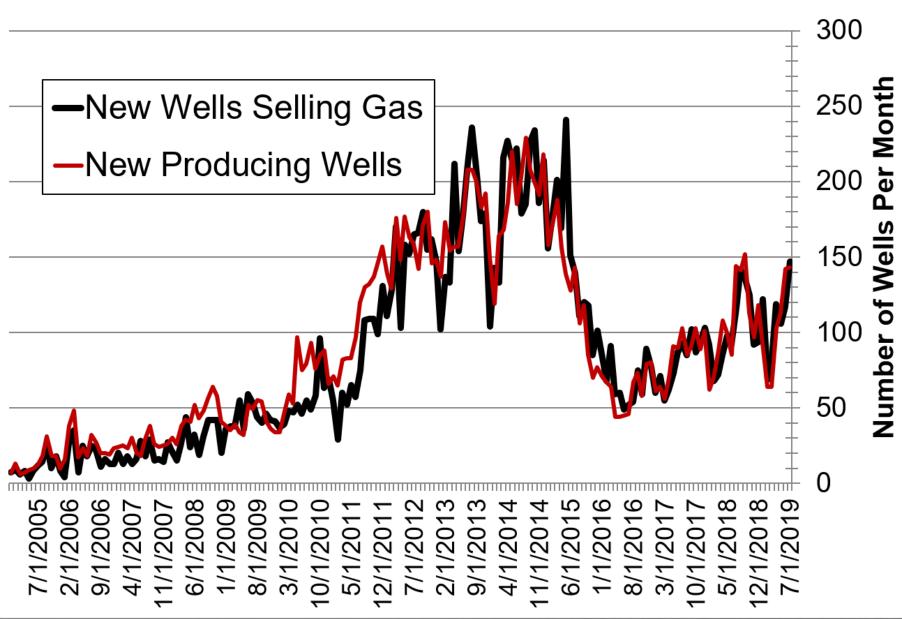
GREEN – % of gas captured and sold Blue – % flared from zero sales wells Orange – % flared from wells with at least one mcf sold.

Simple Terms

Blue – Lack of pipelines

Orange – Challenges on existing infrastructure

July 2019 Data - Non-Confidential Wells





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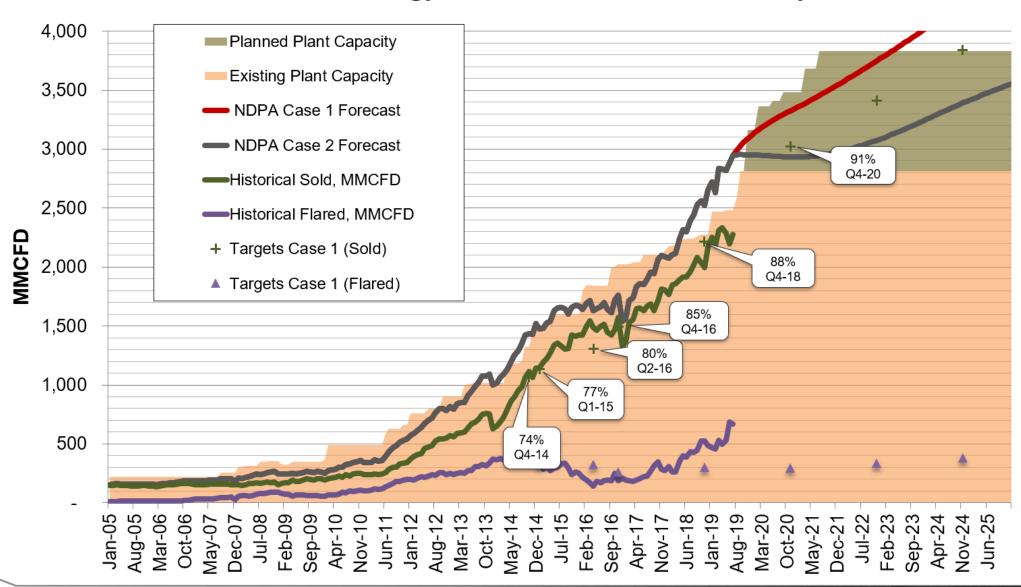


Transmission

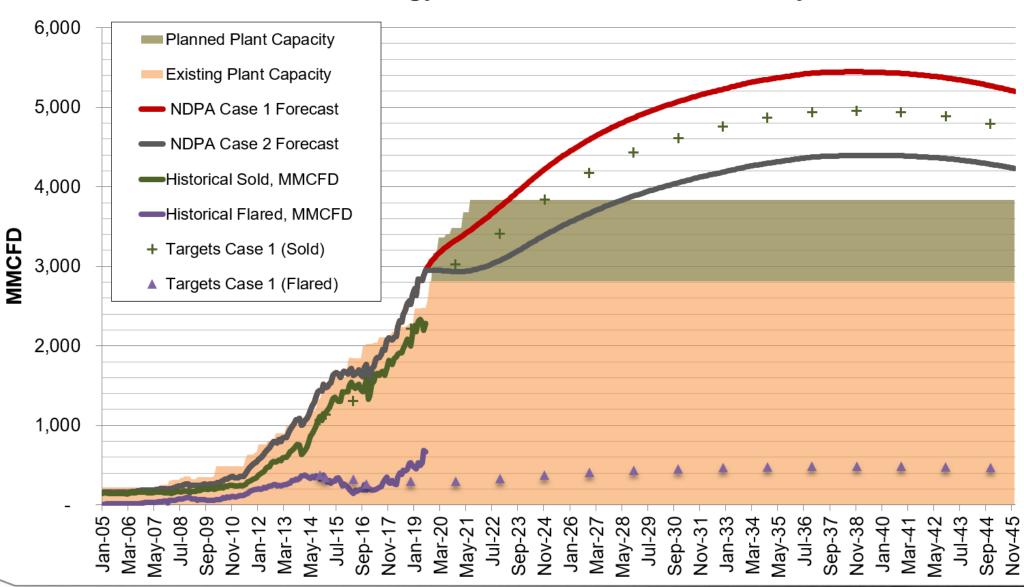
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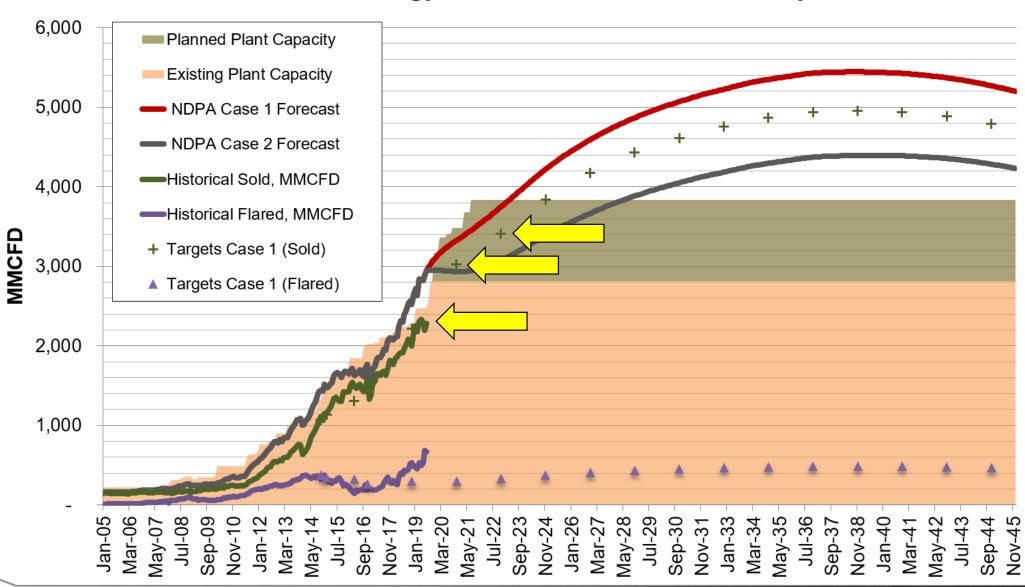


Transmission

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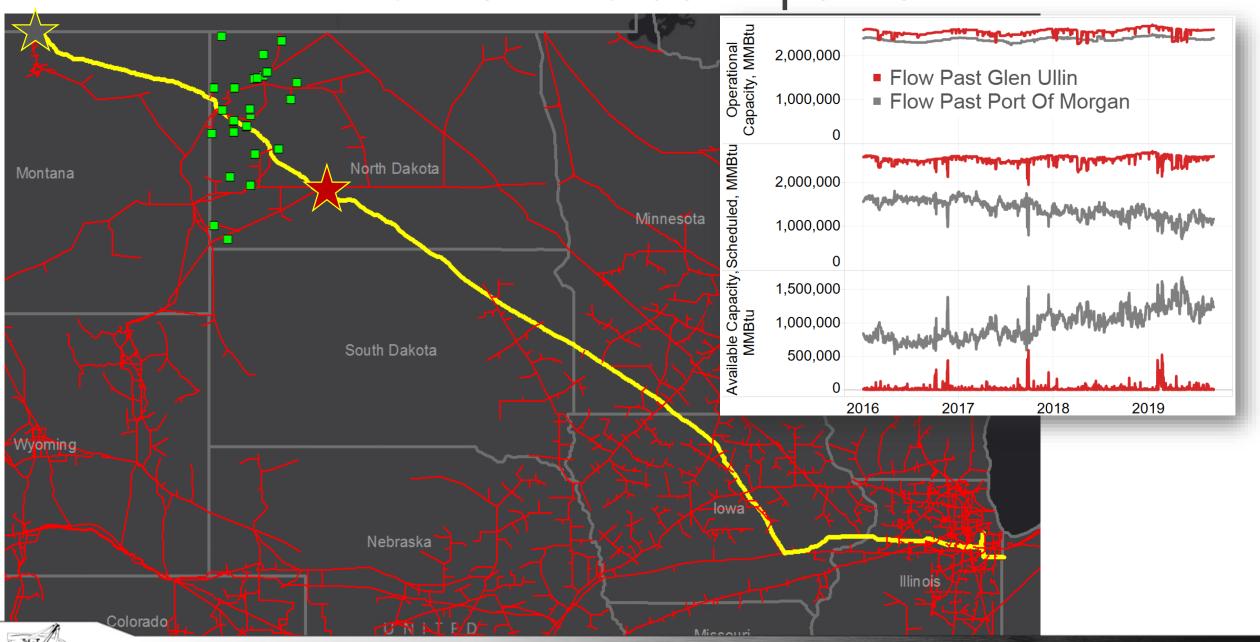


Major Gas Pipeline and Processing Infrastructure

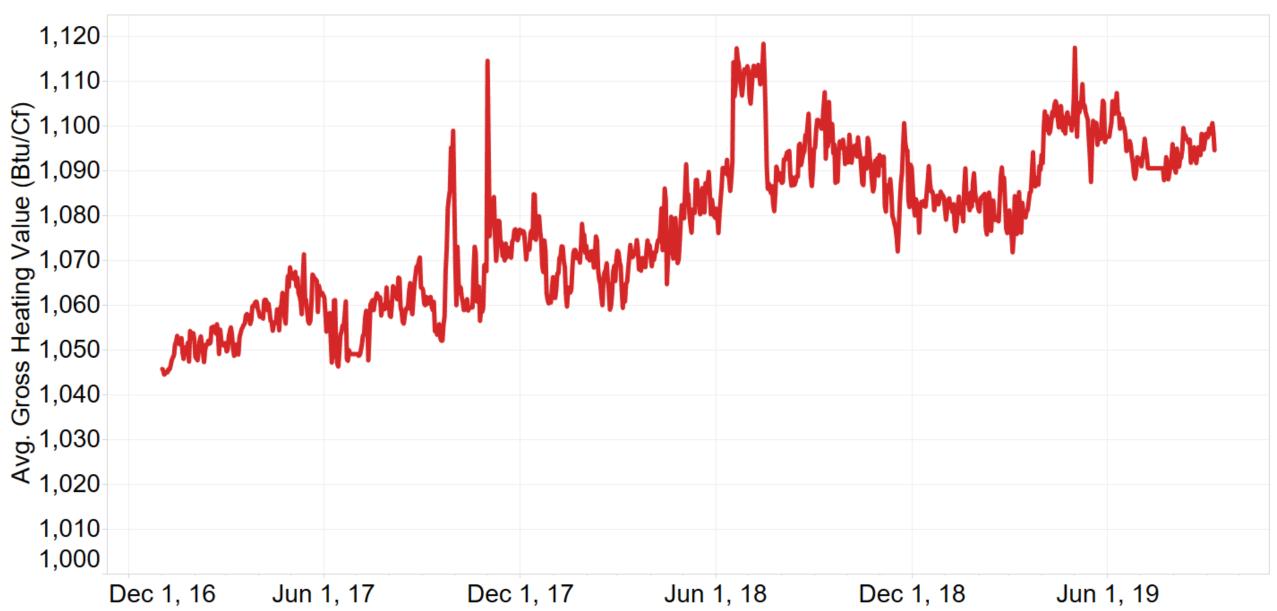




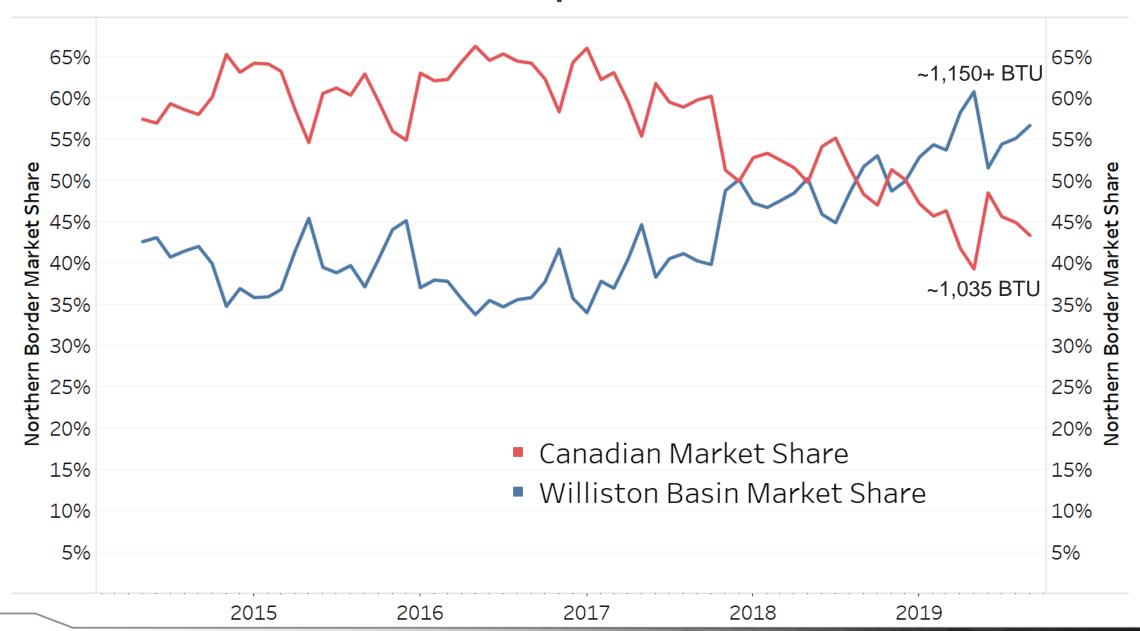
Northern Border Pipeline



Northern Border BTU at Glen Ullin, ND

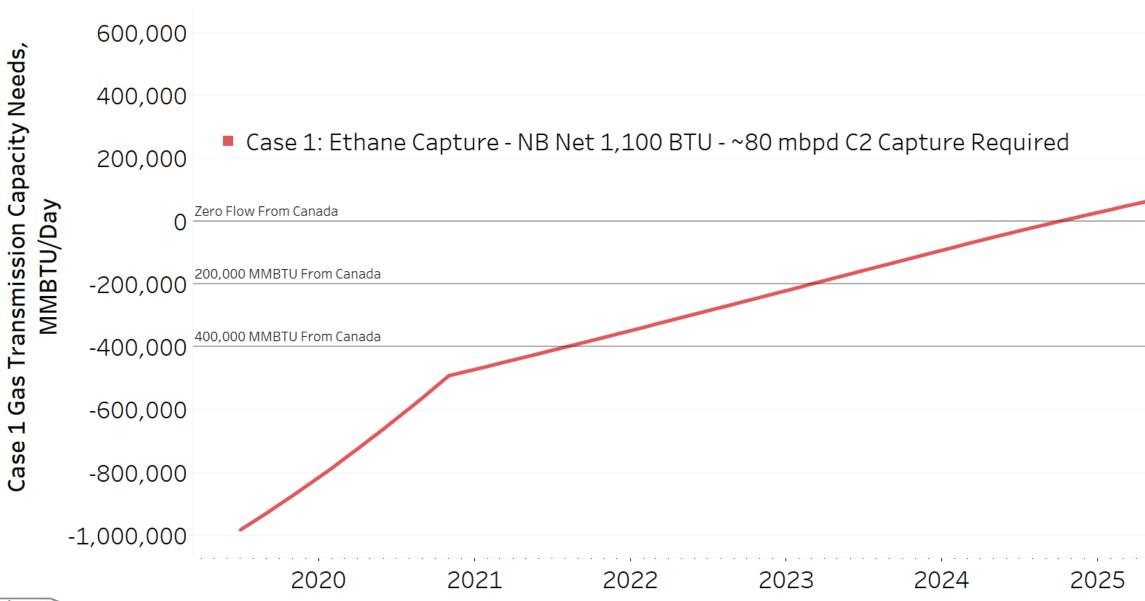


Northern Border Pipeline Market Share

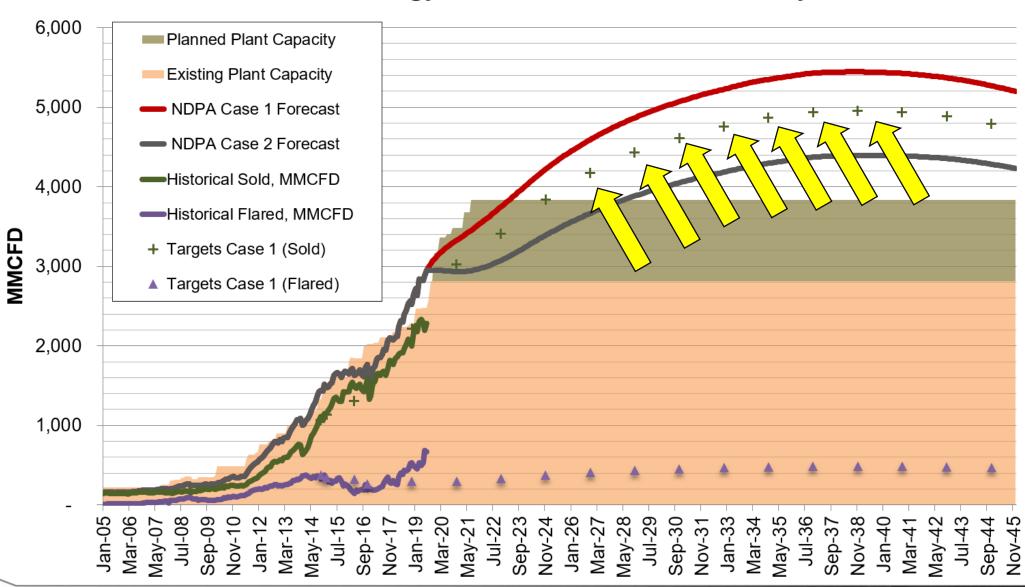




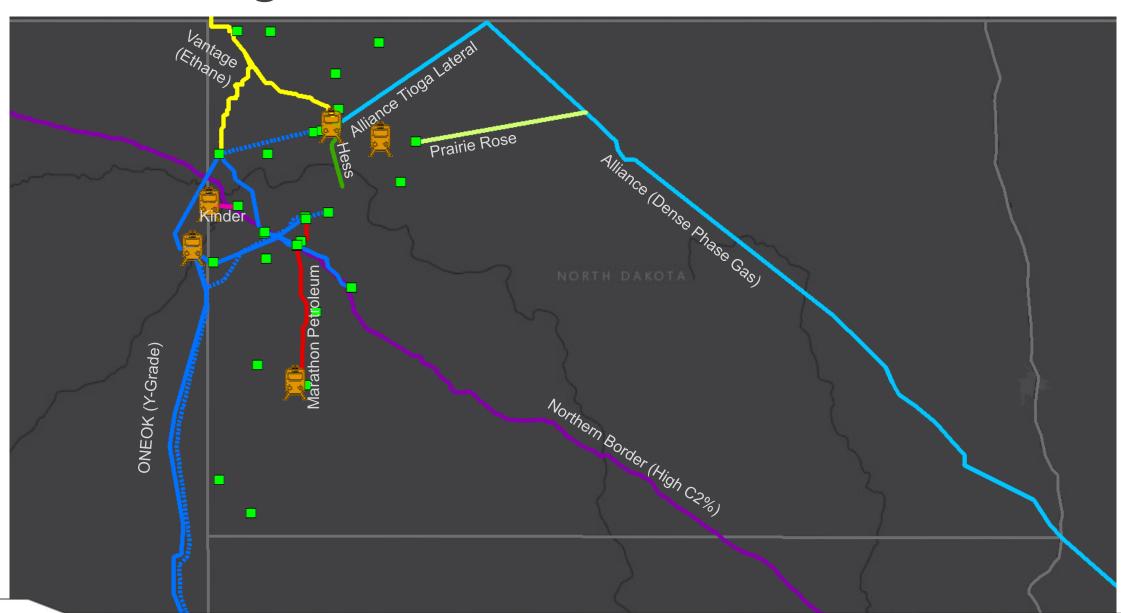
Northern Border – BTU Calculations*



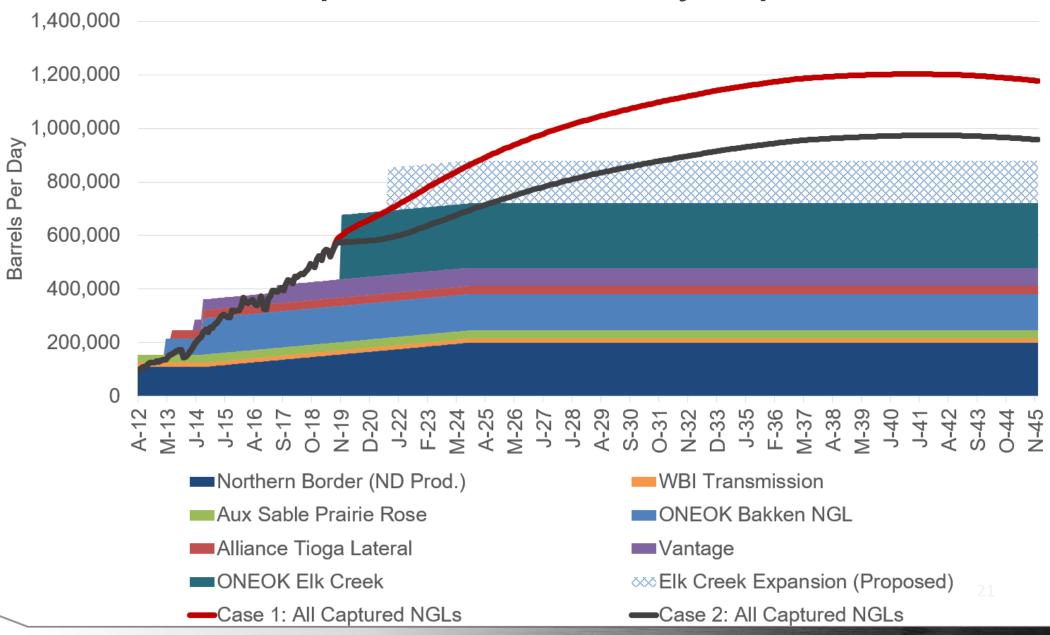
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Regional NGL Infrastructure



NGL Pipeline Takeaway Options



Contact Information

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