



# GTN and NGTL/FH Customer Meeting



TC Energy

May 2020

# Agenda

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1. Safety moment
2. COVID-19 Update
3. Operational Collaboration
4. NGTL/FH Operational update
5. GTN Operational update
6. Questions






# Working for you

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- Remote work continues for all those able to do so
- Expanded West Gas Control operations to include both backup locations to maximize social distancing for health and safety of control room staff
- Continuing policies and protocols to keep essential personnel safe and decrease chance of exposure



*Keith Perkins – Gas Control West*



***These are unprecedented times and the COVID-19 disruption comes with big and small impacts in all our communities. TC Energy wants to remind everyone that we are always***

***#BetterTogether***

# #BetterTogether

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Empower, our TC Energy workforce giving and volunteering program, has:

- Placed \$25 in the Empower accounts of all employees and contractors, allowing them to give back to the charities of their choice
- Committed to a **200 percent match** of all additional monetary donations made by our workforce during a five-week period to non-profit organizations

empower

Do you want to be part of our giving response?

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DONATE TO COVID-19 RELIEF  
**AND WE'LL MATCH IT...X2**



**#bettertogether**

Visit: [TCEnergy.com/GiveBack](https://www.tceenergy.com/GiveBack)



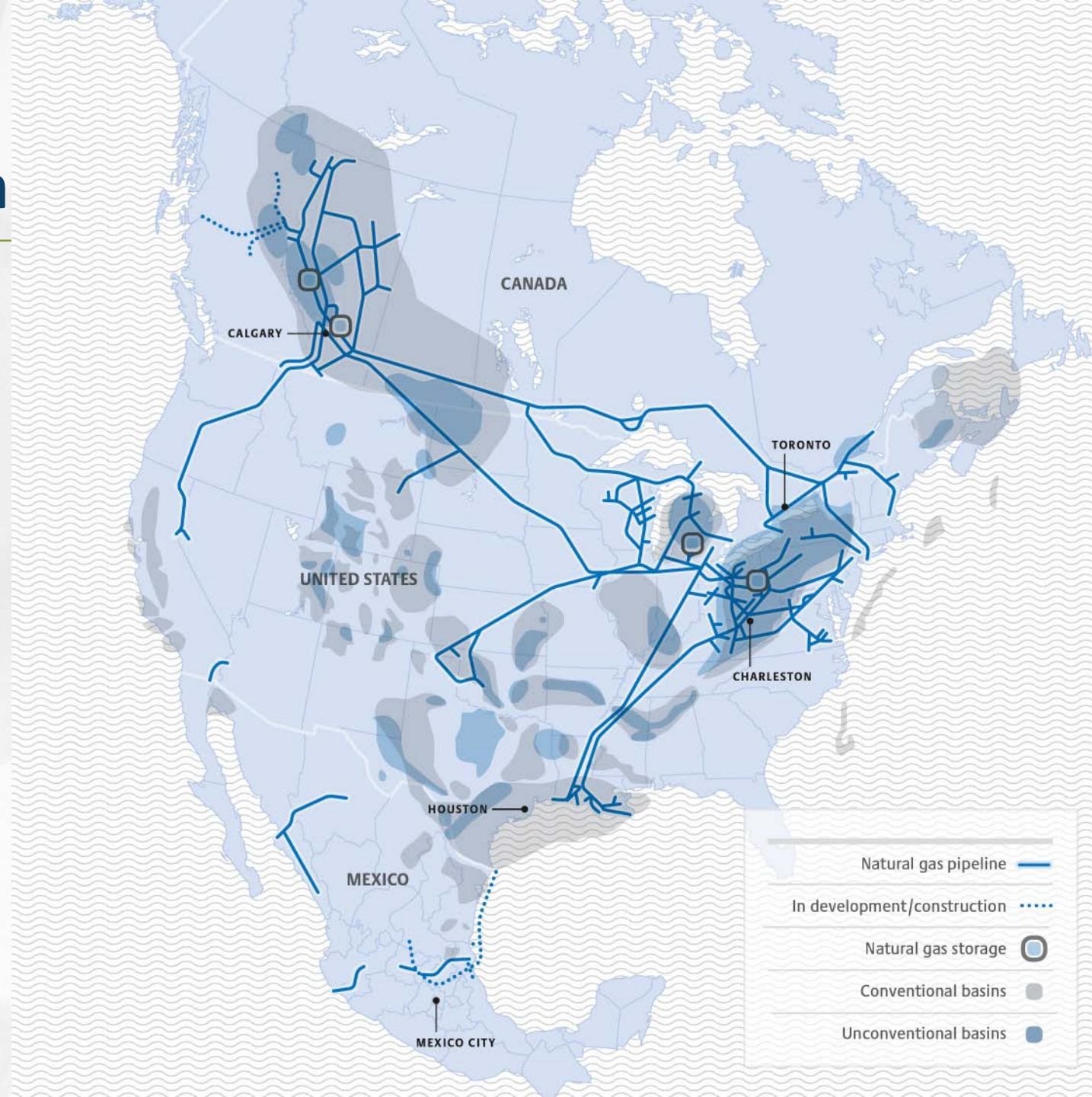
# Operational Collaboration

## Our Goal

- Minimize customer impact due to maintenance and system conditions
- Strict adherence to codes of conduct

## Continuous Collaboration

- Yearly maintenance schedule review and optimization
- Weekly operational optimization discussions
- Ad-hoc meetings to manage unplanned situations



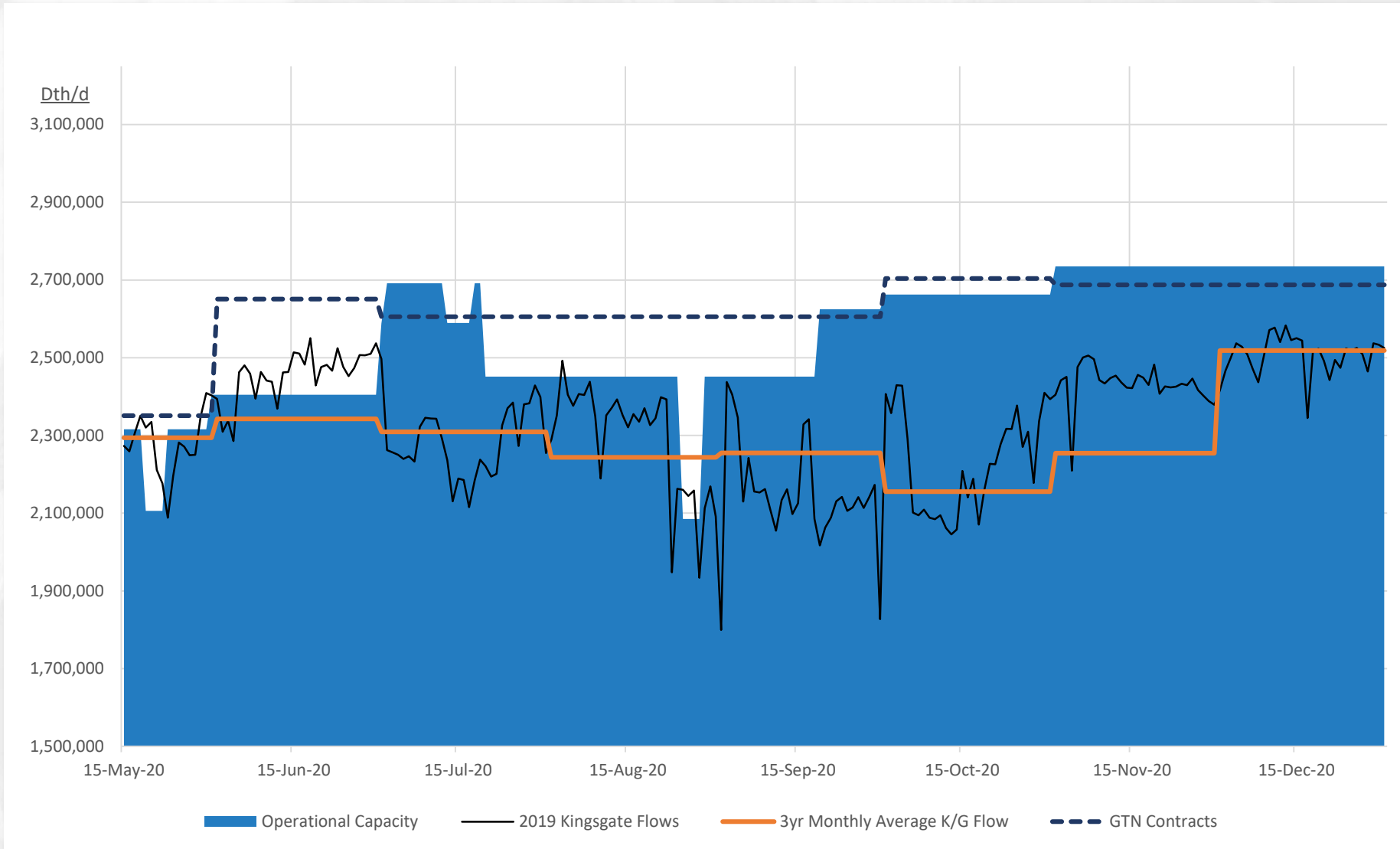




# GTN Outage Schedule

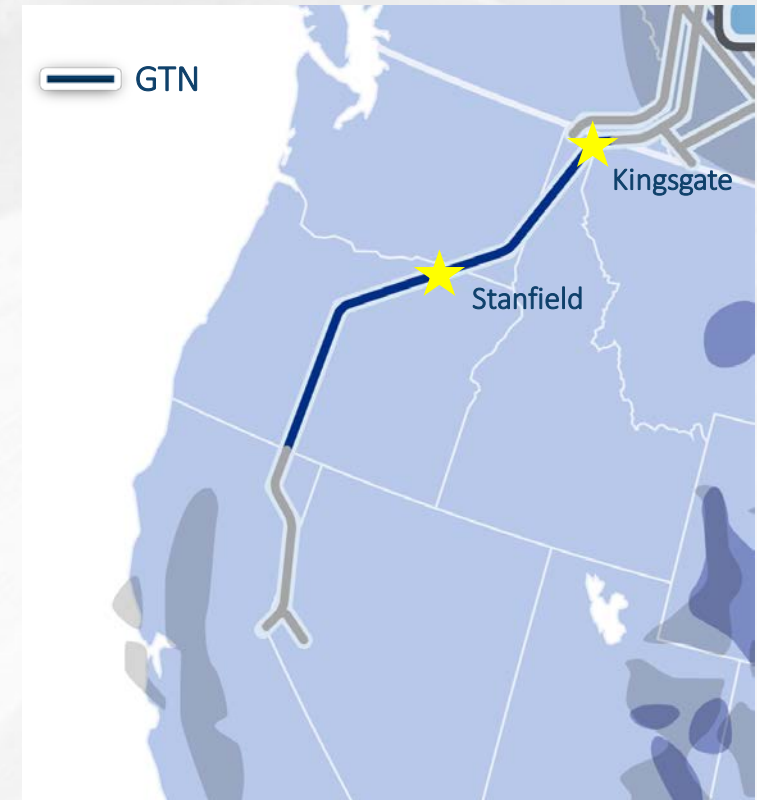
Paul Oliver – Manager US Gas Control West

# GTN Operational Capacity with Impact



May - June 2020		
5/5 - 5/29	Eastport Station 3 and Starbuck Station 7 Automation and Yard Piping Modifications	2,227-MMcf/d
5/19 - 5/22	Rosalia Station 6 to lone Station 9 'A' Line ILI Pigging	2,025-MMcf/d
5/30 - 7/1	Starbuck Station 7 Automation and Yard Piping Modifications	2,312-MMcf/d
July 2020		
7/2 - 7/19	Starbuck Station 7 'B' Unit Unavailable	2,588-MMcf/d
7/13 - 7/17	Sandpoint Station 4 to Athol Station 5 'B' Line ILI Pigging	2,490-MMcd/d
7/20 - 7/31	Athol Station 5 Automation and Yard Piping Modifications	2,357-MMcf/d
Aug - Sept 2020		
8/1 - 9/18	Athol Station 5 Automation and Yard Piping Modifications	2,357-MMcf/d
8/25 - 8/28	Kingsgate to Rosalia Station 6 'A' Line ILI Pigging	2,005-MMcf/d
9/19 - 9/30	Athol Station 5 'B' Unit Unavailable Starbuck Station 7 'B' Unit Unavailable	2,524-MMcf/d
Oct 2020		
10/1 - 10/31	Athol Station 5 'B' Unit Unavailable Starbuck Station 7 'B' Unit Unavailable	2,560-MMcf/d
Nov - Dec 2020		
11/1 - 12/31	Athol Station 5 'B' Unit Unavailable Starbuck Station 7 'B' Unit Unavailable	2,630-MMcf/d

# North of Stanfield Planned Maintenance



Outage dates based upon currently available information and are subject to change.

\*Posted capacity is subject to change based on current weather conditions in the Pacific Northwest and the current condition of the pipeline.



# South of Stanfield Planned Maintenance

Flow Past Station 14 Capacity\*

May 2020		
5/12 - 5/15	lone Station 9 to Sunriver Station 12 'A' Line ILI Pigging	1,650-MMcf/d
5/19 - 5/22	Rosalia Station 6 to lone Station 9 'A' Line ILI Pigging	1,918-MMcf/d
June - July 2020		
6/30-7/27	lone Station 9 Yard Piping Modifications	1,872-MMcf/d
August 2020		
8/6 - 8/11	Kent Station 10 Fuel Gas Heater Install	1,871-MMcf/d
8/17 - 8/21	Bend Station 12 Fuel Gas Heater Install	1,849-MMcf/d



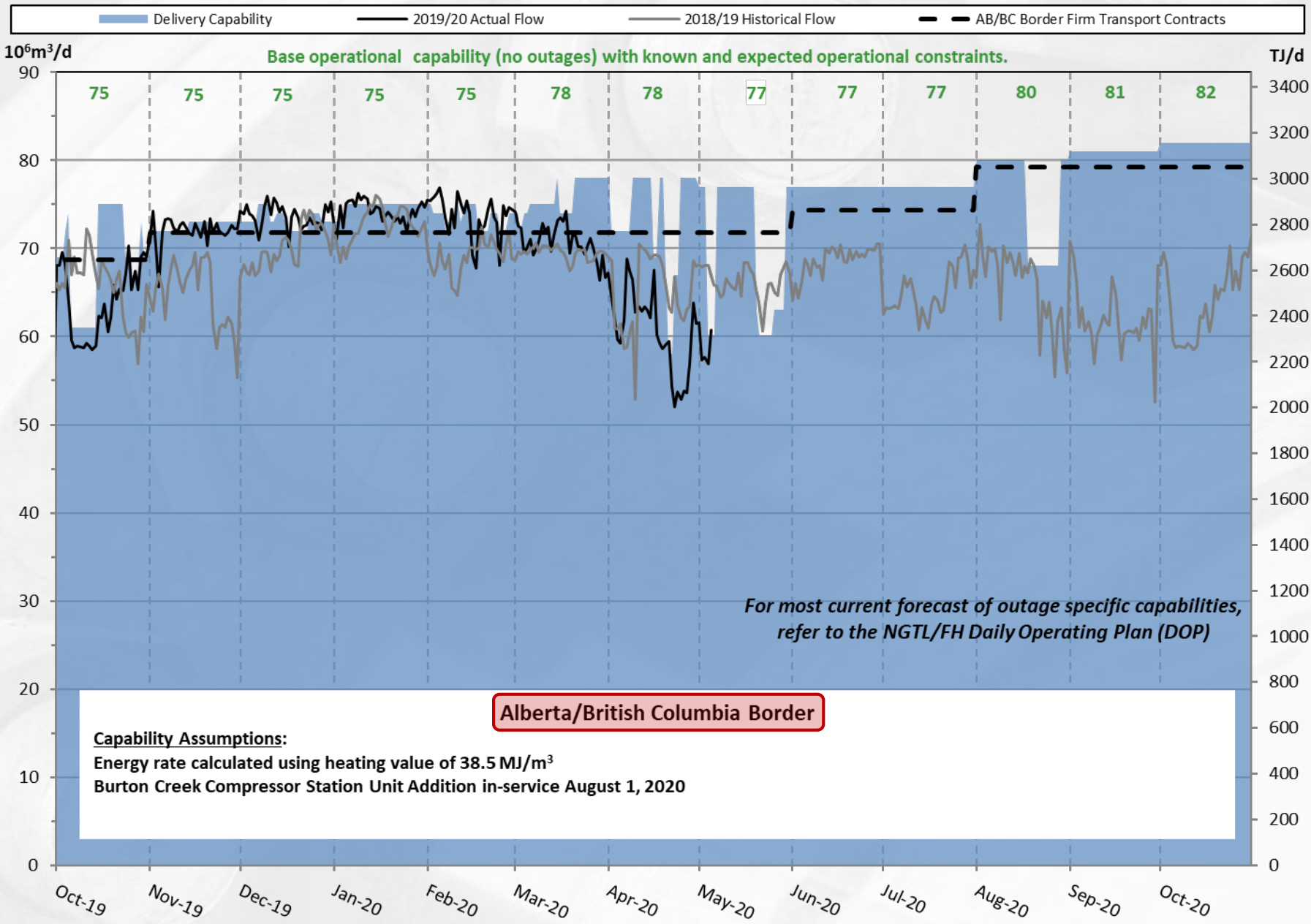
Outage dates based upon currently available information and are subject to change.

\*Posted capacity is subject to change based on current weather conditions in the Pacific Northwest and the current condition of the pipeline.



# NGTL/FH Outage Schedule

Jasmine Zhao -NGTL Operations Planning West - Outage Coordinator



Last Updated: May 6, 2020



# West Gate Delivery Area (WGAT) Foothills Zone 8 (FHBC)

No  
impact to FT

Potential  
impact to FT

Partial  
impact to FT

Outage ID	Start	End	Capability/ Allowable (10 <sup>3</sup> m <sup>3</sup> /day)	Capability/ Allowable (MMcf/d)	Service Allowable Location/Area	Outage Description
14360038	MAY 20, 2020	MAY 29, 2020	63,000	2224	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders	Burton Creek - Compressor Station Modifications
15782762	MAY 21, 2020	MAY 25, 2020	60,000	2118	Potential impact to FT-D: Alberta/BC Border Segments 22 and partial 21	NPS 42 Western Alberta System Mainline - Pipeline Maintenance
16659081	AUG 06, 2020	AUG 12, 2020	71,000	2507	No impact to FT-D anticipated: Alberta/BC Border Segments 22 and partial 21	NPS 36 Western Alberta System Mainline - Pipeline Maintenance
15782794	AUG 18, 2020	AUG 28, 2020	68,000	2401	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders	NPS 36 Western Alberta System Mainline - Pipeline Maintenance
16659086	SEP 18, 2020	SEP 24, 2020	79,000	2790	No impact to FT-D anticipated: Alberta/BC Border Segments 22 and partial 21	NPS 42 Western Alberta System Mainline - Pipeline Maintenance
15714166	MAY 20, 2020	MAY 25, 2020	65,000	2295	Potential impact to FT-R: Alberta/BC Border Foothills BC	Elko - Compressor Station Maintenance

Outage dates based upon currently available information and are subject to change.  
Last Updated: May 12, 2020



Questions