

NOVA Gas Transmission Ltd.

NGTL 2004 GRA - Phase 1
Application No. 1315423
Response to CAPP-NGTL-005(c)
December 11, 2003
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CAPP-NGTL-005(c)

REVISED [February March 8, 2004](#)

Issue:

Supply and Throughput

Reference:

2004 General Rate Application Phase 1, Volume 1, Section 4, Appendix A, Supply Study

Request:

Please show for the base case, low case, high case, and “with Alaska” case the Alberta system intra-Alberta receipts by quadrant, ex-Alberta receipts by quadrant, intra-Alberta deliveries by quadrant, and ex-Alberta deliveries by export delivery point. (If any part of this cannot be provided, please explain and provide alternative data in the form that is developed by NGTL in its supply analysis). Please provide all data.

Response:

Please refer to Attachments 1 to 3 CAPP-NGTL-005(c) for the base and low case information. Please refer to Attachment 4 CAPP-NGTL-005(c) for the “with Alaska” case information. ~~NGTL has not completed a high case for the Alberta System. NGTL will provide the high case as soon as possible.~~ Please refer to Attachment 5 CAPP-NGTL-005(c) for the high case information. The NGTL high case is a scenario where there is high WCSB supply (both conventional and unconventional) and high Mackenzie Delta volumes.

NGTL High Case Ex-Alberta Deliveries

VOLUMES IN Bcf/d

	Empress	McNeill	Alberta/B.C.	Cold Lake	Unity	Alberta/Montana	Gordondale	Boundary Lake	New Capacity	Total
2002	5.7	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	10.0
2003	5.9	2.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	9.8
2004	5.6	1.9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	9.7
2005	5.1	2.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	9.8
2006	5.1	2.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	10.2
2007	5.3	2.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	10.6
2008	5.8	2.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	11.0
2009	5.6	2.1	3.3	0.0	0.0	0.0	0.0	0.0	1.4	12.3
2010	5.8	2.1	3.3	0.0	0.0	0.0	0.0	0.0	1.4	12.6
2011	5.6	2.1	3.3	0.0	0.0	0.0	0.0	0.0	1.9	13.0
2012	5.7	2.1	3.3	0.1	0.0	0.0	0.0	0.0	2.0	13.2
2013	5.6	2.1	3.5	0.1	0.0	0.0	0.0	0.0	2.5	13.8
2014	5.7	2.1	3.5	0.1	0.0	0.0	0.0	0.0	2.5	13.9
2015	5.8	2.1	3.5	0.1	0.0	0.0	0.1	0.0	2.5	14.1
2016	5.7	2.1	3.5	0.1	0.0	0.0	0.3	0.0	2.5	14.1
2017	5.5	2.0	3.3	0.1	0.0	0.0	0.5	0.0	2.5	13.9
2018	5.2	1.9	3.2	0.1	0.0	0.0	0.7	0.0	2.5	13.5
2019	4.9	1.8	3.0	0.1	0.0	0.0	0.8	0.0	2.5	13.1
2020	4.4	1.7	2.8	0.1	0.0	0.0	0.9	0.0	2.5	12.4
2021	4.2	1.6	2.7	0.1	0.0	0.0	1.0	0.0	2.4	11.9
2022	3.9	1.5	2.5	0.1	0.0	0.0	1.0	0.0	2.4	11.3
2023	3.5	1.3	2.3	0.1	0.0	0.0	1.0	0.0	2.4	10.7
2024	3.1	1.2	2.0	0.1	0.0	0.0	1.1	0.0	2.4	9.9
2025	2.7	1.0	1.8	0.1	0.0	0.0	1.1	0.0	2.4	9.1
2026	2.4	0.9	1.6	0.1	0.0	0.0	1.1	0.0	2.4	8.5
2027	2.2	0.9	1.5	0.1	0.0	0.0	1.2	0.0	2.3	8.1

NGTL High Case Intra-Alberta Deliveries

VOLUMES IN Bcf/d				
	NE	NW	SW	SE
2002	0.5	0.1	0.4	0.6
2003	0.6	0.1	0.4	0.6
2004	0.7	0.1	0.4	0.6
2005	0.8	0.1	0.4	0.7
2006	0.9	0.1	0.4	0.6
2007	0.9	0.1	0.4	0.7
2008	0.9	0.1	0.4	0.6
2009	0.9	0.1	0.4	0.6
2010	0.9	0.1	0.4	0.6
2011	0.9	0.1	0.4	0.6
2012	0.9	0.1	0.4	0.5
2013	0.9	0.1	0.4	0.5
2014	0.9	0.1	0.4	0.5
2015	0.9	0.1	0.4	0.5
2016	0.9	0.1	0.4	0.5
2017	0.9	0.1	0.4	0.5
2018	0.9	0.1	0.4	0.5
2019	0.9	0.1	0.4	0.4
2020	0.9	0.1	0.4	0.5
2021	0.9	0.1	0.4	0.5
2022	0.9	0.1	0.4	0.5
2023	0.9	0.1	0.4	0.5
2024	0.9	0.1	0.5	0.6
2025	0.9	0.1	0.5	0.6
2026	0.9	0.2	0.5	0.6
2027	0.9	0.2	0.5	0.6

NGTL High Case NGTL WCSB Quadrant Receipts Forecast

Volume in Bcf/d

	SW	SE	NW	NE	BC	total
2002	3.7	2.5	2.8	1.2	1.1	11.3
2003	3.7	2.6	2.9	1.1	1.1	11.4
2004	3.7	2.5	3.2	1.0	1.1	11.5
2005	3.8	2.5	3.3	1.0	1.3	11.7
2006	3.8	2.6	3.5	0.9	1.4	12.1
2007	3.8	2.6	3.8	0.8	1.6	12.5
2008	4.0	2.5	4.0	0.8	1.7	13.0
2009	4.3	2.6	3.5	0.8	1.4	12.6
2010	4.5	2.5	3.6	0.8	1.4	12.8
2011	4.9	2.4	3.8	0.8	1.3	13.2
2012	5.2	2.3	4.1	0.8	1.1	13.5
2013	5.5	2.4	4.3	0.8	1.0	14.0
2014	5.7	2.4	4.4	0.8	0.8	14.1
2015	5.8	2.4	4.4	1.0	0.7	14.2
2016	5.7	2.4	4.5	1.0	0.7	14.2
2017	5.7	2.2	4.4	0.9	0.7	13.9
2018	5.6	2.2	4.3	0.8	0.7	13.6
2019	5.4	2.1	4.1	0.8	0.7	13.1
2020	5.1	2.0	3.8	0.7	0.7	12.4
2021	5.0	2.1	3.5	0.6	0.8	12.0
2022	4.9	2.0	3.3	0.6	0.8	11.5
2023	4.8	1.9	3.0	0.5	0.7	10.9
2024	4.5	1.7	2.7	0.5	0.7	10.2
2025	4.3	1.6	2.4	0.5	0.7	9.4
2026	4.1	1.5	2.1	0.4	0.7	8.8
2027	4.0	1.4	1.9	0.3	0.7	8.4

Note: Volumes include conventional and unconventional gas.
 Please refer to the response to CAPP-NGTL-005(d) for the
 Mackenzie Delta volumes on NGTL.