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October 9, 2018

**Re: NOVA Gas Transmission Ltd. (NGTL)  
Sundre Crossover (Project)  
Board Order XG-N081-030-2017 (Order)  
Condition 5: Commitment Tracking Table No. 4  
NEB File: OF-Fac-Gas-N081-2017-04 01**

In accordance with Condition 5 of Order XG-N081-030-2017 for the Project issued by the National Energy Board (Board or NEB) on December 28, 2017, NGTL is posting the Commitment Tracking Table No. 4 for the Project on TransCanada's external webpage for the Project at <https://www.transcanada.com/en/operations/natural-gas/sundre-crossover-project/regulatory/>. The reporting period for this submission is July 6, 2018 to October 5, 2018.

If you require additional information with respect to the Commitment Tracking Table, please contact me at 403-920-2174, or by email at [roselyn\\_chou@transcanada.com](mailto:roselyn_chou@transcanada.com)

Yours truly,  
**NOVA Gas Transmission Ltd.**

Roselyn Chou  
Regulatory Project Manager  
Regulatory, Canadian Natural Gas Pipelines

Enclosure

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
1	NEB	Condition Compliance	NGTL shall comply with all of the conditions contained in this Order unless the Board otherwise directs.	Order XG-N081-030-2017 Condition 1	A88915	Ongoing	Pre-Construction through Post-Construction	Project Manager Regulatory Project Manager	
2	NEB	Project Design, Location, Construction, and Operation	NGTL shall cause the approved Project to be designed, located, constructed, installed, and operated in accordance with the specifications, standards, commitments made and other information referred to in its Application or in its related submissions.	Order XG-N081-030-2017 Condition 2	A88915	Ongoing	Pre-Construction through Post-Construction	All disciplines	
3	NEB	Implementation of Environmental Protection	NGTL shall implement or cause to be implemented all of the policies, practices, programs, mitigation measures, recommendations, procedures and its commitments for the protection of the environment included in or referred to in its Application or in its related submissions.	Order XG-N081-030-2017 Condition 3	A88915	Ongoing	Pre-Construction through Post-Construction	Project Manager Construction Manager Environmental Planner	
4	NEB	Project Design	NGTL shall file with the Board any technical specification updates for the Project components listed in the Application concurrently with its Leave to Open application. Technical specification updates are limited to differences in pipe length, diameter, wall thickness, grade or material that do not impact any other aspect of the Project as approved.	Order XG-N081-030-2017 Condition 4	A88915	Complete	Construction	Project Manager	
5	NEB	Commitment Tracking	NGTL shall file with the Board and post on its Project website, prior to the commencement of construction <sup>1</sup> , a Commitments Tracking Table listing all commitments made by NGTL in its Application, related submissions, and during the oral portion of the hearing. NGTL shall update the status of the commitments on its Project website quarterly until the end of the fifth (5th) year following commencement of operation or until all commitments have been fulfilled. In addition to the commitments, NGTL shall include reference to: a. the documentation in which the commitment appears (for example, the Application, responses to information requests, hearing transcripts, condition filings, etc.); b. the title of the individual accountable for implementing each commitment; and c. the estimated timelines associated with the fulfillment of each commitment.	Order XG-N081-030-2017 Condition 5	A88915	Ongoing	Pre-Construction through Post-Construction	All disciplines	Commitments Tracking Table No. 1 (reporting period March 24, 2017 to Jan 5, 2018) filed January 9, 2018. (A89089)  Commitment Tracking Table No. 2 uploaded to project website: April 9, 2018  Commitment Tracking Table No. 3 uploaded to project website: July 9, 2018  <u>Commitment Tracking Table No. 4 uploaded to project website: October 9, 2018</u>
6	NEB	Environmental Surveys	NGTL shall file with the Board, prior to commencement of construction: a. a summary of survey results for outstanding baseline surveys including but not limited to acoustic amphibian surveys, yellow rail and common nighthawk surveys, and bat roosting habitat assessments; b. a summary of any consultation undertaken with appropriate federal or provincial authorities regarding the results of surveys; and c. a description of additional mitigation measures that are warranted based on survey results, which will be included in the Project-specific Environmental Protection Plan to be provided to the Board per condition 7.	Order XG-N081-30-2017 Condition 6	A88915	Complete	Pre-Construction	Environmental Planner	Filed as Compliance Filing to Draft Condition 4 (NEB Filing ID: A87945).

<sup>1</sup> For clarification, "construction" includes all clearing activity.

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
7	NEB	Environmental Protection Plan (EPP)	NGTL shall file with the Board, prior to commencement of construction, including clearing, an updated Project-specific Environmental Protection Plan (EPP) and Environmental Alignment Sheets, which NGTL shall implement. The EPP shall describe all environmental protection procedures, and mitigation and monitoring commitments, as set out in NGTL's Application and subsequent filings. The EPP shall include any mitigation measures that have arisen from surveys conducted after NGTL's Application was made to the Board and/or from concerns raised by interested parties.	Order XG-N081-030-2017 Condition 7	A88915	Complete	Pre-Construction	Environmental Planner	NEB Filing ID: A89067.
8	NEB	Heritage and Archaeological Resources	NGTL shall file with the Board, prior to commencing construction: a. confirmation that NGTL has obtained all of the required archaeological and heritage resource clearances and authorizations from Alberta Culture and Tourism; b. a description of how NGTL will meet conditions and respond to comments and recommendations contained in the clearances and authorizations referred to in a); and c. a description of how NGTL has incorporated additional mitigation measures, as applicable, into its Environmental Protection Plans as a result of conditions or recommendations referred to in b).	Order XG-N081-030-2017 Condition 8	A88915	Complete	Pre-Construction	Environmental Planner	Filed as Compliance Filing to Draft Condition 6 (NEB Filing ID: A88403).
9	NEB	Piezometer Monitoring Report	NGTL shall file with the Board on 31 January of the first, second, and third years following final clean-up for the Project, a Piezometer Monitoring Report (for piezometers installed in NW-12-032-05 W5M) that includes: a. a summary of monitoring results; b. a comparison of monitoring results to the established baseline (pre-construction) levels; c. a discussion of any variance with baseline levels; d. a discussion of which measures NGTL will undertake if water levels are not consistent with baseline conditions; and e. the criteria NGTL will use to evaluate the efficacy of those measures.  NGTL shall also provide copies of these Reports to Mr. Duane Grace and/or his representative as well as Mr. Lance Greer on the same date on which the Reports are filed with the Board.  Further, should the three years following final clean-up of the Project be characterized by lower than average water levels in the region, NGTL shall continue piezometer monitoring for the fourth and fifth years following final clean-up unless an average or above-average year of water levels is demonstrated (by, for example, precipitation and climate data from Environment and Climate Change Canada's Sundre Garrington station, or a similarly appropriate source) <b>and</b> monitoring results indicate that water levels are restored to baseline conditions.	Order XG-N081-030-2017 Condition 9	A88915	Ongoing	Post-construction	Post-Construction Monitoring Team	

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
10	NEB	Post-Construction Monitoring Reports	<p>NGTL shall file with the Board, on or before 31 January of each of the first, third, and fifth growing seasons following completion of construction of the Project, a post-construction environmental monitoring report for the terrestrial portion of the Project that:</p> <ol style="list-style-type: none"> <li>identifies any environmental issues that arose during construction or in the course of the previous year;</li> <li>describes the methodology used for monitoring, the criteria established for evaluating success and the results found;</li> <li>describes measures NGTL has taken to correct the issues;</li> <li>describes current status of the issues in a) and whether the issues are resolved or unresolved;</li> <li>assesses the effectiveness of the mitigation (planned and corrective) measures applied against the criteria for success identified in b); and</li> <li>provides a schedule for and description of further proposed measures that NGTL will take to address any issues identified and unresolved in a) and d). All filed post-construction environmental monitoring reports must address issues related to soils and weed management, as well as any other environmental issues that arose during or after construction (for example, any issues related to species at risk or species of special concern, and to wildlife and wildlife management).</li> </ol>	Order XG-N081-030-2017 Condition 10	A88915	Planned	Post-Construction	Post-Construction Monitoring Team	
11	NEB	Records of Consultation	<p>NGTL must maintain records of its consultations with potentially affected groups that include, but are not limited to:</p> <ol style="list-style-type: none"> <li>a description of consultations, including the consultation methods, dates, and a summary of any issues or concerns raised by potentially affected parties;</li> <li>a summary of actions that NGTL has undertaken to address or respond to each of the issues or concerns raised by potentially affected parties, or a rationale for why no actions were taken; and</li> <li>any outstanding concerns.</li> </ol> <p>For clarity, the term "potentially affected groups" includes not only landowners, but also other parties that have been identified as potentially affected by the Project, such as municipalities, Aboriginal groups, and potentially affected nearby residents. NGTL must file with the Board, prior to commencing construction, and every two months thereafter until completed construction, updated versions of its consultation records for all potentially affected groups. NGTL must continue to file its consultation records with the Board every six months for five years after commencing Project operations.</p>	Order XG-N081-030-2017 Condition 11	A88403	Ongoing	Pre-Construction through Post-Construction	<p>Community Relations Engagement Lead</p> <p>Aboriginal Relations Engagement Lead</p> <p>Land Representative</p>	<p>NEB Filing ID: A90775</p> <p>NEB Filing ID: A92276</p>

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12	NEB	Complaint Tracking	<p>NGTL must file with the Board, prior to commencing construction, confirmation that it has created and will maintain, for a minimum of five years after commencing operation, records that chronologically track complaints by landowners or other potentially affected groups relating to the Project. The complaint tracking records must include, but are not limited to:</p> <ul style="list-style-type: none"> <li>a. the date the complaint was received;</li> <li>b. the form in which the complaint was received (for example, telephone, mail, email, or other communication method);</li> <li>c. a detailed description of the complaint;</li> <li>d. the date and summary of all subsequent telephone calls, visits, correspondence, site monitoring/inspections, follow-up reports, and other related documentation;</li> <li>e. updated contact information for all persons involved in the complaint;</li> <li>f. the date of each complaint's resolution; and</li> <li>g. if a complaint remains unresolved, a description of any further actions to be taken or an explanation for why no further actions are required.</li> </ul> <p>NGTL must maintain these records for audit purposes and make them available to the Board upon request. NGTL must make available to an affected party, upon request, the records related to the specific complaint(s) that the affected party has made to NGTL.</p>	Order XG-N081-030-2017 Condition 12	A88915	Ongoing	Pre-Construction through Post-Construction	Land Representative Aboriginal and Community Relations Liaison Operations	Confirmation filed as Compliance Filing to Draft Condition 9 (NEB Filing ID: A88403).
13	NEB	Condition Compliance by Accountable Officer	<p>Within 30 days of the date that the approved Project is placed in service, NGTL shall file with the Board a confirmation that the approved Project was completed and constructed in compliance with all applicable conditions in this Order. If compliance with any of these conditions cannot be confirmed, NGTL shall file with the Board details as to why compliance cannot be confirmed. The filing required by this condition shall include a statement confirming that the signatory to the filing is the accountable officer of NGTL, appointed as Accountable Officer pursuant to s. 6.2 of the OPR.</p>	Order XG-N081-030-2017 Condition 13	A88915	Complete	Post-Construction	Project Manager Regulatory Project Manager	30-day Condition Compliance (signed by Accountable Officer) filed May 4, 2018 (A91759-1).
14	NEB	Sunset Clause	<p>Unless the Board otherwise directs prior to 28 December 2018, this Order shall expire on 28 December 2018 unless construction of the Project has commenced by that date.</p>	Order XG-N081-030-2017 Condition 11	A88915	Complete	N/A	Project Manager	
15	NEB	Land	<p>Fencing will be installed to exclude livestock, where required. Fencing options will be discussed with landowners and occupants.</p>	Application Attachment 11: Interactions Table – Human Occupancy and Resources Use (HORU)	A82246	Complete	Pre-construction	Construction Manager	
16	NEB	Land	<p>Cross right-of-way access will be provided to the landowner for movement of livestock, where required.</p>	Application Attachment 11: Interactions Table – HORU	A82246	Complete	All Project Phases	Construction Manager	
17	NEB	Land	<p>NGTL will reach agreements with affected agricultural landowners to access land before Project construction.</p>	Application Attachment 11: Interactions Table – HORU	A82246	Complete	Pre-construction	Land Representative	
18	NEB	Healthy and Safety	<p>All vehicular traffic will be restricted to the approved and staked construction footprint.</p>	Application Attachment 11: Interactions Table – HORU	A82246	Ongoing <del>Complete</del>	All Project Phases	Construction Manager	
19	NEB	Environment	<p>NGTL will work with landowners to reclaim disturbed agricultural land following construction.</p>	Application Attachment 11: Interactions Table – HORU	A82246	Ongoing	Post-construction	Post-Construction Monitoring Team	

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
20	NEB	Stakeholder Engagement	NGTL will consult with other industry operators, where applicable, to obtain agreements related to road access and infrastructure integration.	Application Attachment 11: Interactions Table – HORU	A82246	<u>Ongoing Complete</u>	Pre-construction	Land Representative	
21	NEB	Health and Safety	All Project workers will adhere to NGTL's Health, Safety and Environment Commitment Statement.	Application Attachment 11: Interactions Table – Social and Cultural Well-being	A82246	<u>Ongoing Complete</u>	All Project Phases	All disciplines	
22	NEB	Health and Safety	All Project workers will adhere to NGTL's Alcohol and Drug Policy.	Application Attachment 11: Interactions Table – Social and Cultural Well-being	A82246	Ongoing	All Project Phases	All disciplines	
23	NEB	Stakeholder Engagement	NGTL remains available to discuss the proposed measures to avoid, mitigate or otherwise manage potential effects of the Project with Aboriginal communities and organizations and other potentially affected stakeholders and to address or respond to concerns if they are identified. During the operation phase, NGTL will continue to engage Aboriginal communities through TransCanada's Public Awareness Program.	Application Attachment 11: Interactions Table – Social and Cultural Well-being	A82246	Ongoing	Post-Construction	Operations	
24	NEB	Stakeholder Engagement	NGTL will use existing commercial accommodations (i.e., hotels and motels) in the Sundre area to house Project personnel during construction.	Application Attachment 11: Interactions Table – Social and Cultural Well-being	A82246	Complete	Construction	Project Manager	Refer to Commitment Number 34.
25	NEB	Health and Safety	The Project contractor will implement a Traffic Control Management Plan (EPP Appendix 1F).	Application Attachment 11: Interactions Table – Human Health and Aesthetics	A82246	Complete	Construction	Construction Manager	
26	NEB	Health and Safety	NGTL will use multi-passenger vehicles to transport construction workers to the Project work site, where practical and applicable.	Application Attachment 11: Interactions Table – Human Health and Aesthetics	A82246	<u>Ongoing Complete</u>	Construction	Construction Manager	
27	NEB	Environment	Align the right-of-way with existing disturbances, where possible, which will reduce the amount of new clearing required and limit new visual disturbance.	Application Attachment 11: Interactions Table – Human Health and Aesthetics	A82246	Complete	All Project Phases	Construction Manager	
28	NEB	Stakeholder Engagement	NGTL will advise and source existing commercial accommodations well in advance of Project construction.	Application Attachment 11: Interactions Table – Infrastructure and Services	A82246	Complete	Pre-Construction	Project Manager	Refer to Commitment Number 34.
29	NEB	Health and Safety	All workers and visitors to the Project site will participate in safety onboarding before entering the Project worksite.	Application Attachment 11: Interactions Table – Infrastructure and Services	A82246	<u>Ongoing Complete</u>	Construction	Construction Manager	
30	NEB	Health and Safety	Project construction workers will be expected to conduct themselves in a lawful manner and adhere to appropriate policies and plans outlined in the EPP.	Application Attachment 11: Interactions Table – Infrastructure and Services	A82246	<u>Ongoing Complete</u>	Construction	Construction Manager	
31	NEB	Health and Safety	All construction traffic will adhere to safety and road closure regulations.	Application Attachment 11: Interaction Table – Infrastructure and Services	A82246	<u>Ongoing Complete</u>	Construction	Construction Manager	
32	NEB	Economic Opportunities	NGTL will provide opportunities for businesses in the socio-economic study area (SSA) to participate in contracting and subcontracting opportunities for the Project.	Application Attachment 11: Interactions Table – Employment and Economy	A82246	<u>Ongoing Complete</u>	Construction	Project Manager	
33	NEB	Economic Opportunities	NGTL will work with Prime Contractors to provide information on qualified local businesses and will encourage sub-contracting of businesses in the SSA, where feasible.	Application Attachment 11: Interactions Table – Employment and Economy	A82246	<u>Ongoing Complete</u>	Construction	Project Manager	

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34	NEB	Economic Opportunities	NGTL will also seek to maximize local expenditure by utilizing local accommodation, which also encourages expenditure on food, gasoline and other goods.	Application Attachment 11: Interactions Table – Employment and Economy	A82246	Ongoing Complete	Construction	Project Manager	
35	NEB	Aboriginal Relations/Economic Opportunities	NGTL will implement the Indigenous Relations Business Engagement (IRBE) Program for the Project.	Application Attachment 11: Interactions Table – Employment and Economy	A82246	Complete	Construction	Aboriginal Relations Contracts Advisor	In alignment with Indigenous Relations Business Engagement Standard, NGTL executed a Project-specific Indigenous Participation Plan to maximize employment and contracting opportunities.
36	NEB	Aboriginal Relations/Economic Opportunities	NGTL provides opportunities for training and capacity development in the local and Aboriginal communities affected by the Project. In co-operation with these communities, NGTL will collectively identify training requirements for the Project, and work with community economic development officers, regional and Aboriginal training institutions and other partners to support training opportunities, where feasible, with a deliberate focus on high-demand and transferable skills.	Application Attachment 11: Interactions Table – Employment and Economy	A82246	Complete	Planning	Aboriginal Relations Contracts Advisor	NGTL has and continues to engage Aboriginal communities to identify their education and training priorities. NGTL is working with Aboriginal communities to find opportunities to deliver funding and other support.
37	NEB	Stakeholder Engagement	NGTL also seeks opportunities to support education legacy programs in affected communities for the purpose of long-term capacity building.	Application Attachment 11: Interactions Table – Employment and Economy	A82246	Complete	Pre-Construction	Community Relations	NGTL has supported the Sundre Library Literacy program from 2015 to 2017.
38	NEB	Environment	NGTL will adhere to the recommendations and mitigation measures identified in the ESA and the EPP. The Company, its authorized representatives, Contractor(s), and subcontractor(s) will comply with all conditions as presented to the Company on permits, approvals, licences, certificates and Project-specific management plans.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>Application Attachment 11: Interactions Table</li> <li>Aug 2 Response to Landowners Letter of Comment Hydrology report</li> <li>Dec 11 Supplemental Reply Evidence – Response to Greers</li> </ul>	A89067 A82246 A85293 A88524	Ongoing	Pre-Construction through Post-Construction	Construction Manager	
39	NEB	Environment	NGTL will implement a post-construction monitoring (PCM) program for the Project.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>Environmental and Socio-Economic Assessment (ESA)</li> <li>Response to NEB IR No. 1.4</li> <li>Hydrology Report</li> <li>Dec 11 Supplemental Reply Evidence – Response to Greers</li> </ul>	A89067 A88088 A82900 A87185 A88524	Planned	Post-Construction	Post-Construction Monitoring Team	

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
40	NEB	Environment	The NGTL Environmental Inspector (EI) or designate will monitor the condition of the western toad exclusion fencing (i.e., silt fence) in conjunction with the toad sweeps, which will be conducted every couple of days. NGTL's construction contractor will be responsible for repairing the fencing, and any repairs will be verified by the EI or designate.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>Response to NEB IR No. 2.2</li> </ul>	A89067 A83503	<del>Ongoing</del> <u>Complete</u>	Construction	Construction Manager	<del>As confirmed with the Alberta Environment and Parks Senior Wildlife biologist, exclusion fencing and toad sweeps are not required until after April 15. The western toad breeding period is mid-May to early August. Exclusion fencing and toad sweeps will be required for final clean-up.</del>
41	NEB	Environment	All employees, contractors and consultants will abide by all federal, provincial and local requirements for the storage, handling, transport, disposal and spill reporting requirements of all products and waste materials that are potentially hazardous to human health and the environment.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>Aug 2 Response to Landowners Letter of Comment</li> </ul>	A89067 A85293	Complete	Construction	Construction Manager	
42	NEB	Stakeholder Engagement/Land	NGTL will notify landowners and adjacent landowners along the Project route of the construction schedule before the start of construction.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>Aug 2 Response to Landowners Letter of Comment</li> </ul>	A89067 A85293	Complete	Pre-Construction through Post-Construction	Land Representative	
43	NEB	Environment	NGTL will ensure noise abatement equipment on machinery is in good working order and will take reasonable measures to control construction related noise near residential areas.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>Application Attachment 11: Interactions Table</li> <li>Aug 2 Response to Landowners Letter of Comment</li> </ul>	A89067 A82246 A85293	Ongoing	Construction and Post-Construction	Construction Manager	
44	NEB	Environment	Topsoil will be removed and stored separately during construction. Topsoil and subsoil horizons will not be mixed. The drainage plans will be developed for construction and construction will be carried out in a manner to restore surface drainage patterns to pre-construction conditions.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>ESA</li> <li>Application Attachment 11: Interactions Table</li> <li>Aug 2 Response to Landowners Letter of Comment</li> <li>Dec 11 Supplemental Reply Evidence – Response to Graces and Response to Greers</li> </ul>	A89067 A88088 A82246 A85293 A88524	<del>Ongoing</del> <u>Complete</u>	<del>Construction and Post-Construction</del>	Construction Manager	<del>Surface drainage patterns have been restored during rough clean-up and any issues with drainage will be addressed during final clean-up.</del> <u>During final clean-up in July and August 2018, NGTL worked with the contractor to address issues related to wet soils. Areas that may require further follow-up during the post-construction monitoring (PCM) program have been identified on the PCM issues tracking list.</u>



Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
45	NEB	Environment	NGTL will implement mitigation measures to ensure that the water flow through the WL19-WL20 fen complex is maintained.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>Environmental Alignment Sheets (EAS) (Revision 4)</li> <li>ESA</li> <li>Aug 2 Response to Landowners Letter of Comment</li> <li>Hydrology Report</li> <li>Dec 11 Supplemental Reply Evidence – Response to Graces and Response to Greers</li> </ul>	A89067 A88088 A85293 A87185 A88524	Complete	Construction	Construction Manager	Mitigation measures to ensure that water flow through the WL19-WL20 fen complex is maintained were implemented during construction as per the Project EPP (Revision 4).
46	NEB	Environment	The approved construction footprint will be clearly delineated and all construction activities will be restricted to the approved construction footprint.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>ESA</li> <li>Application Attachment 11: Interactions Table</li> <li>Aug 2 Response to Landowners Letter of Comment</li> </ul>	A89067 A88088 A82246 A85293	Ongoing	Construction and Post-Construction	Construction Manager	<u>NGTL is currently working with a landowner regarding a large rock that was inadvertently pushed on to the landowner's property during construction.</u>
47	NEB	Environment	NGTL will have a qualified soils specialist onsite for the duration of construction within the fen complex. This specialist will provide guidance during all work involving topsoil handling as well as clean-up and reclamation activities.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>Application Attachment 11: Interactions Table</li> <li>Hydrology Report</li> <li>Dec 11 Supplemental Reply Evidence – Response to Greers</li> </ul>	A89067 A82246 A87185 A88524	<del>Ongoing</del> Complete	Construction and Post-Construction	Project Manager Construction Manager	A qualified soils specialist was onsite for the duration of construction within the fen complex. The soils specialist will also be onsite for final clean-up and reclamation activities.
48	NEB	Environment	NGTL confirms that it will meet the conditions and recommendations contained in the archaeological and heritage resource clearances.	<ul style="list-style-type: none"> <li>EPP (Revision 4)</li> <li>EAS (Revision 4)</li> <li>Dec 5 Response to Draft Condition 6</li> </ul>	A89067 A88403	Complete	Construction and Post-Construction	Project Manager	NGTL confirms that it met the conditions and recommendations contained in the archaeological and heritage resource clearances.

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
49	NEB	Environment	NGTL commits to monitoring water levels in the WL19-WL20 fen complex pre-and post-construction through the installation of eleven piezometers on either side of the pipeline ROW in NW-12-32-5-W5 for a three year period post-construction. Reports of water levels will be prepared quarterly and will be made available to interested landowners.	<ul style="list-style-type: none"> <li>Dec 11 Supplemental Reply Evidence – Response to Graces and Response to Greers</li> <li>Hearing Transcript</li> </ul>	A88524 A88760	Ongoing	Construction and Post-Construction	Post-Construction Monitoring Team	<p>NGTL is currently monitoring the water levels in the WL19-WL20 fen complex and will continue to do so for a three-year period post-construction.</p> <ul style="list-style-type: none"> <li>The first quarterly report (Q1 2018) was sent to interested landowners on July 13, 2018.</li> <li><u>The second quarterly report (Q2 2018) was sent to interested landowners on September 12, 2018.</u></li> </ul>
50	NEB	Environment	NGTL will make a revised TransCanada Peatland Materials Conservation Trench Spoil 2 Lift Typical Drawing for WL19-WL20 fen complex showing a level grade over the trenchline (TransCanada Typical Drawing 18531-03-ML-05-008 and 009).	Hearing Transcript	A88760	Complete	Pre-Construction	Construction Manager	NEB Filing ID: A89060.
51	NEB	Environment	Following excavation and backfilling of the trench within the WL19-WL20 fen complex, construction traffic through the fen will be minimized to the extent practical.	Hearing Transcript	A88760	Complete	Construction	Construction Manager	
52	Landowner	Land	Allow Mr. Greer and or his representative escorted access to the right-of way on his land during the pipeline excavation and backfilling processes during the construction phase for inspection purposes.	Hearing Transcript	A88760	Complete	Construction	Project Manager	Mr. Greer's representative attended.
53	Landowner	Land	Make best efforts to obtain consent from the landowner adjacent to Mr. Greer for permission to allow Mr. Greer and or his representative escorted access to the right-of-way on the adjacent landowner's land during construction for inspection purposes. If access is granted, NGTL will allow Mr. Greer and or his representative escorted access to these lands as specified, with NGTL paying the costs for inspection by Mr. Greer's representative.	Hearing Transcript	A88760	Complete	Construction	Construction Manager Land Representative	
54	Landowner	Land	NGTL has agreed to install fencing to align with the property line, and for livestock management during construction.	Response to NEB IR No. 3	A84886	Complete	Construction	Construction Manager	Refer to Commitment Number 15.
55	NEB	Land	Where negotiated settlement is achieved, NGTL would discontinue any right of entry applications filed with the NEB.	Response to NEB IR No. 3	A84886	Complete	Pre-Construction	Project Manager Land Representative	
56	Landowner	Land	NGTL also stated that it is in the process of setting up monitoring equipment at Mr. Stone's residence to investigate the noise heard directly at his property, pending Mr. Stone's permission to enter his property.	Response to NEB IR No. 4	A86000	Complete	Pre-Construction	Operations	As stated in response to NEB IR No. 4, NGTL was unable to contact Mr. Stone to set up monitoring equipment. NGTL considers this commitment closed based on the completion of construction in April 2018.
57	Landowner	Land	NGTL remains committed to engaging with Mr. Hartley outside the regulatory process to discuss and address any remaining concerns he may have regarding the Project.	Response to Hartley Statement of Opposition	A84376	Ongoing	Pre-Construction, Construction and Post-Construction	Project Manager Land Representative	Communication ongoing, most recent communication was <del>March 15</del> <u>August 27</u> , 2018.

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
58	Landowner	Land	NGTL will continue to work with the Graces to address their concerns and in this regard, has offered to meet with them and their consultants at a time of their choosing.	Response to Request for Extension of Time	A86625	Complete	Pre-Construction	Project Manager Land Representative	Meeting held December 12, 2017.
59	Landowner	Land	Mrs. Thengs asked about some of the terms and markings, and the Project Manager indicated that NGTL would send her the full environmental protection plan (EPP) with the legend.	Response to Request for Extension of Time	A86625	Complete	Pre-Construction	Project Manager Environment	Provided in person on October 24, 2017.
60	NEB	Land	NGTL will be using screw anchors, which are used very often in wet or unconsolidated soil at a spacing of 20 m as a means of buoyancy control on the pipe to mitigate any potential for buoyancy. The screw anchor consists of steal shaft with a helix that is twisted into the ground until a desired rotational torque and depth is achieved. As part of construction, pull tests are performed on every 5 <sup>th</sup> screw anchor set to ensure the helix and shaft are suitably secured in the ground. A nylon band or strap is then fastened around the top of the pipe to the steal shafts embedded in the ground.	Response to Request for Extension of Time	A86625	Complete	Construction	Construction Manager	
61	NEB	Land	In the unlikely event that drainage should be negatively impacted as a result of construction, NGTL is responsible for repairing that damage and compensating landowners for any other damages they may suffer as a result.	Reply Evidence and Comments on Draft Conditions	A87185	Ongoing	Post-Construction	Project Manager Construction Manager Land Representative	
62	Landowner	Environment	Mr. Greer asked for a copy of the hydrology information to be emailed to him so he could review it prior to the meeting, and NGTL agreed to send it to him.	Reply Evidence and Comments on Draft Conditions	A87185	Complete	Pre-Construction	Land Representative	Provided by email on November 3, 2017.
63	NEB	Integrity	Within six months after the Project goes into service, NGTL will run baseline in-line inspection (ILI) to inspect the overall integrity condition of the pipeline.	Response to Letters of Comment	A85293	<u>Complete</u> <u>Planned</u>	Post-Construction	Operations Pipeline Integrity	<u>NGTL confirms that a baseline ILI was completed on October 2, 2018.</u>
64	NEB	Land	In the event of an unintended or uncontrolled release from the pipeline, the pipeline company would be liable for all actual loss or damage incurred by any person as a result of the release or as a result of any action or measure taken in relation to the release. NGTL would assess the impact, remediate as required and address any compensation for any damages sustained.	Response to Letters of Comment	A85293	Planned	Post-Construction	Operations Land Representative	
65	NEB	Land	NGTL is also committed to compensating for all damages suffered as a result of the construction and operations of the pipeline, and site-specific damages are determined on a case-by-case basis.	Response to Letters of Comment	A85293	Ongoing	Post-Construction	Project Manager Operations Land Representative	
66	NEB	Land	In the unlikely event that drainage should be negatively impacted as a result of construction, NGTL is obligated to restore drainage and compensate landowners for any damages sustained.	Response to Letters of Comment	A85293	<u>Planned</u> <u>Complete</u>	Post-Construction	Project Manager Operations Land Representative	
67	NEB	Land	Where the potential exists for water migration along the pipeline trench leading away from the wetland, mitigation measures will be undertaken to reduce this potential. Clay soil plugs, bentonite or foam trench (or ditch) breakers, as well as diversion berms and stub berms are examples of mitigation that can be applied to address this issue.	Response to Letters of Comment	A85293	Complete	Construction	Construction Manager	

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
68	NEB	Engineering	The Project will not increase the load or utilization of the Compressor Station and will not increase the amount of gas flowing into the facility. Accordingly, the Project will not impact the operation or performance of the Compressor Station nor increase the level of noise associated with the Compressor Station.	Response to Letters of Comment	A85293	Complete	Design	Project Manager	
69	NEB	Land	NGTL will continue to engage with Mr. Stone to address his concerns.	Response to Letters of Comment	A85293	Ongoing	Pre-Construction, Construction, Post-Construction	Operations	
70	Landowner	Land	NGTL indicated that if the Landowner ever has drainage issues they should let NGTL know that there is an issue. NGTL would investigate the concern, and if it was determined that the issue was caused by the Project, NGTL would address any necessary damages at that time as outlined in the letter.	Compliance Filing – Attachment 8.1 Adjacent	A88403	Ongoing	Construction, Post-Construction	Operations Land	
71	Landowner	Land	Landowner was initially interested in attending the hearing, wanted to be kept up to date on when the hearing was going to be and where. NGTL advised if he was interested in receiving additional information they would ensure he was provided any additional information provided by the Board regarding the hearing process. NGTL advised as more information was made available by the Board they would provide it to the Landowner.	Compliance Filing – Attachment 8.1 Traversed	A88403	Complete	Pre-Construction	Land Representative	All hearing related information has been shared with the landowner.
72	Landowner	Land	NGTL indicated that if access was required off the right-of-way, dust control mitigations could be put in place.	Compliance Filing – Attachment 8.1 Traversed	A88403	<del>Planned</del> Ongoing	Construction, Post-Construction	Construction Manager	
73	Landowner	Land	In the event that the construction was open cut across this road allowance, NGTL would ensure that ingress/egress to their residence was not compromised.	Compliance Filing – Attachment 8.1 Traversed	A88403	Complete	Construction, Post-Construction	Construction Manager	
74	Landowner	Land	Landowner would like an onsite visit prior to construction to discuss the dam within close proximity to the right-of-way. They discussed the road and NGTL told the Landowner that NGTL will replace it to its current state.	Compliance Filing – Attachment 8.1 Traversed	A88403	Complete	Pre-Construction	Construction Manager	Onsite visit occurred during first few weeks of construction.
75	NEB	Integrity	NGTL will install launcher and receiver facilities to allow in-line inspection (ILI) of the pipeline. A high-resolution commissioning caliper tool will be used during Project pre-commissioning to inspect for construction-related defects and indications of dents or ovality.	Application	A82246	Complete	Construction, Post-Construction	Project Manager	
76	NEB	Integrity	NGTL will conduct above-ground cathodic protection surveys to identify areas of pipe coating damage.	Application	A82246	Complete	Post-Construction	Operations	
77	NEB	Integrity	NGTL will perform in-line inspection as part of the proposed integrity plan for ongoing monitoring.	Application	A82246	<del>Planned</del> Complete	Post-Construction	Operations	<a href="#">See also Commitment Number 63.</a>
78	NEB	Engineering	The Project will be designed and operated in accordance with the requirements of the OPR and CSA Z662-15, as well as the standards, specifications and procedures listed in Application Attachment 5.	Application – Attachment 5	A82246	Complete	Pre-Construction through Post-Construction	Project Manager Project Engineer Operations	
79	NEB	Safety	Emergency management during Project construction and operations will be governed by TransCanada's overarching corporate Emergency Management System and related operating procedures.	Application	A82246	Ongoing	Construction and Operations	Project Manager Operations	

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document Reference (NEB Filing ID)	Status	Project Phase	Accountability	Comments
80	NEB	Security	Security management during Project construction and operations will be governed by TransCanada's Corporate Security Policy and any related operating procedure, as amended from time to time. Project-specific measures will be included in the Site-Specific Safety Plan and Project Security Plan.	Application	A82246	Ongoing	Construction and Operations	Project Manager Operations	
81	NEB	Engineering	As identified in Attachment 8, Class 2 pipeline requirements will be met in the Class 2 locations, as per CSA Z662-15.	Application – Attachment 8	A82246	Complete	Design, Construction	Project Manager Project Engineer	
82	NEB	Engineering	Project components installed during construction will align with details provided in the Pipeline Technical Description – Attachment 1. Additional information provided in NGTL response to NEB IRs 1.1, 1.2, and 2.1	<ul style="list-style-type: none"> <li>• Application – Attachment 1</li> <li>• Response to NEB IR No. 1</li> <li>• Response to NEB IR No. 2</li> </ul>	A82246 A82900 A83503	Complete	Design, Construction, and Operations	Project Manager Project Engineer Construction Manager	
83	NEB	Health and Safety	All activities associated with the Project, including health, safety and environmental performance, will meet or exceed applicable laws and regulations.	Application	A82246	Ongoing	Pre-Construction through Post-Construction	All disciplines	
84	NEB	Land/Stakeholder Engagement	NGTL will continue to engage with landowner regarding noise concerns that are suspected to originate from the Compressor station. NGTL submits that it is fully compliant with all regulatory requirements for the Compressor Station and has in place all required approvals, permits and licences at both the federal and provincial level for the facility.	August 2 Response to Landowners Letter of Comment	A85293	Ongoing	Construction and Operations	Project Manager Land Representative	
85	NEB	Aboriginal Relations	NGTL has agreed to ensure Project updates and notifications continue as required.	ESA	A88088	Ongoing	Pre-Construction, Construction, Post-Construction	Aboriginal Relations Engagement Lead	
86	NEB	Aboriginal Relations	Provide Aboriginal communities and organizations with Project construction schedule and maps.	<ul style="list-style-type: none"> <li>• ESA</li> <li>• Application Attachment 11: Interactions Table</li> </ul>	A88088 A82246	Complete	Pre-Construction	Aboriginal Relations Engagement Lead	
87	NEB	Aboriginal Relations	If TLU sites not previously identified are found on the construction footprint during construction, implement the measures outlined in the TLU Sites Discovery Contingency Plan (Appendix 1E of the EPP).	<ul style="list-style-type: none"> <li>• ESA</li> <li>• Application Attachment 11: Interactions Table</li> </ul>	A88088 A82246	Complete	Construction	Environmental Planner Construction Manager	