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File OF-Fac-Gas-N081-2019-02 02
7 May 2021

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Dear Ms. Prince, Mr. Gent, Mr. Denstedt, and Mr. Duncanson:

**Hearing Order GH-002-2019
NOVA Gas Transmission Ltd. (NGTL)
Application for the North Corridor Expansion Project (Project) under
Section 52 and Section 58 of the *National Energy Board Act* (NEB Act)
Certificate of Public Convenience and Necessity GC-131**

Following the issuance of the Commission of the Canada Energy Regulator (Commission) Recommendation Report for GH-002-2019 on 3 September 2020, the Commission encloses for your records a copy of the Certificate of Public Convenience and Necessity GC-131, in both official languages, which the Governor in Council approved with amendments pursuant to Order in Council P.C. 2021-362 on 30 April 2021 and directed the Commission to issue. The Commission is currently proceeding with the preparation of Order XG-021-2020 and it will be released shortly by way of a separate letter.

The Commission directs NGTL to serve a copy of this letter and Certificate on all interested parties.

Yours sincerely,

Signed by

Jean-Denis Charlebois
Secretary of the Commission

Attachment

Canada



CERTIFICATE GC-131

IN THE MATTER OF the *National Energy Board Act* (NEB Act) and the regulations made thereunder;
and

IN THE MATTER OF an application made by
NOVA Gas Transmission Ltd. (NGTL), pursuant
to Section 52 of the NEB Act, dated 4 April 2019,
filed with the National Energy Board (NEB) under
File OF-Fac-Gas-N081-2019-02 02.

BEFORE the Commission of the Canada Energy Regulatory (Commission) on
7 May 2021.

WHEREAS NGTL filed an application pursuant to Section 52 of the NEB Act, dated
4 April 2019 to construct and operate the NGTL North Corridor Expansion Project (Project);

AND WHEREAS the Project is a designated project as described pursuant to Section 2
of the *Canadian Environmental Assessment Act, 2012* (CEAA 2012);

AND WHEREAS the *Canadian Energy Regulator Act* (CER Act) came into force on
28 August 2019 (commencement day) and Section 36 of the transitional provisions
associated with the CER Act states that applications pending before the NEB immediately
before the commencement day are to be taken up before the Commission and continued in
accordance with the NEB Act;

AND WHEREAS Section 36.1 of the transitional provisions associated with the CER Act
states that Section 182.1 of the *Impact Assessment Act* (IAA) applies to applications
pending before the NEB immediately before the commencement day; and Section 182.1
of the IAA states that any environmental assessment of a designated project by the NEB
commenced under the CEAA 2012, in respect of which a decision statement has not been
issued before the day on which the IAA comes into force, being 28 August 2019, is to be
continued under CEAA 2012;

AND WHEREAS the Project includes the proposed construction and operation of
approximately 81 km of new gas pipeline, in three pipeline section loops, and related
facilities in Alberta (Section 52 Pipeline and Related Facilities); in addition to the proposed
construction and operation of a compressor station unit addition and temporary infrastructure
required for pipeline construction (Section 58 Facilities and Activities);

AND WHEREAS the Section 52 Pipeline and Related Facilities are fully described in the
attached Schedule A;

.../2

AND WHEREAS the Commission reviewed NGTL's application and all subsequent evidence and submissions, both written and oral, made by NGTL and the participants in the proceeding, and conducted an environmental assessment of the Project pursuant to CEAA 2012;

AND WHEREAS the Commission held a public hearing in respect of the Project pursuant to Hearing Order GH-002-2019, during which the Commission heard from NGTL and the participants in the proceeding;

AND WHEREAS the Commission had regard to all considerations that were directly related to the Project and were relevant, including environmental matters, pursuant to Part III and Part VI of the NEB Act;

AND WHEREAS the Commission prepared and submitted to the Minister of Natural Resources the *Canada Energy Regulator Report NOVA Gas Transmission Ltd. North Corridor Expansion Project (Report)* setting out the Commission's recommendation for the Section 52 Pipeline and Related Facilities with its reasons;

AND WHEREAS the Commission concluded that the Project, constructed and operated in full compliance with the terms and conditions recommended by the Commission in Appendix I of the Report, and with the implementation of NGTL's environmental protection procedures and mitigation measures, is not likely to cause significant adverse environmental effects;

AND WHEREAS the Commission determined the Project was in the Canadian public interest, and recommended that a Certificate of Public Convenience and Necessity (Certificate) be issued for the construction and operation of the Section 52 Pipeline and Related Facilities;

AND WHEREAS the Commission has decided to proceed with the issuance of Order XG-021-2020 pursuant to Section 58 of the NEB Act, exempting NGTL from the requirements of subsections 31(c), 31(d), and Section 33 of the NEB Act in relation to a compressor station unit addition and certain temporary infrastructure required for construction of the Project;

AND WHEREAS the Governor in Council has issued Order in Council No. P.C. 2021-362, dated 30 April 2021, approving the Project, setting out its reasons, and considerations including the implementation of mitigation measures as specified in the Report with respect to the environmental assessment, that the designated Project is not likely to cause significant adverse environmental effects, and the additional and amended conditions it considers necessary and further directing the Commission to issue Certificate of Public Convenience and Necessity GC-131 for the Section 52 Pipeline and Related Facilities, subject to the terms and conditions contained in Appendix I of the Report, as amended;

NOW THEREFORE, pursuant to Section 54 of the NEB Act, the Commission hereby issues this Certificate in respect of the Section 52 Pipeline and Related Facilities.

This Certificate is subject to the terms and conditions outlined below.

In this Certificate, the terms and expressions below (in bold) have the following meanings:

Accountable Officer: the accountable officer of NGTL, appointed as Accountable Officer pursuant to Section 6.2 of the *Canadian Energy Regulator Onshore Pipeline Regulations*.

Certificate: Certificate of Public Convenience and Necessity authorizing the construction and operation of the Section 52 Pipeline and Related Facilities, pursuant to Section 54 of the NEB Act.

Commencing construction: the clearing of vegetation, ground-breaking and other forms of right-of-way (ROW) preparation that may have an impact on the environment (activities associated with normal surveying do not constitute commencing construction).

For approval: where any condition required a filing with the Commission of the Canada Energy Regulator “for approval” prior to taking an action, NGTL must not commence the indicated action or activity until the Commission issues its approval of that filing.

Including: use of this term, or any variant of it, is not intended to limit the elements to just those listed. Rather, it implies minimum requirements with the potential for augmentation, as appropriate.

Post-construction: activities to take place once construction is complete, following final clean-up through to the completion of reclamation activities; including monitoring to evaluate the success of reclamation activities, compliance with commitments and the stability of disturbed lands.

Conditions

1. *Condition Compliance*

NGTL shall comply with all of the conditions contained in this Certificate, unless the Commission otherwise directs.

2. *Section 52 Pipeline and Related Facilities Design, Location, Construction and Operation*

NGTL shall cause the **Section 52 Pipeline and Related Facilities** to be designed, located, constructed, and operated in accordance with the specifications, standards, commitments made and other information included in its Application and otherwise made on the GH-002-2019 hearing record.

3. *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 and otherwise made on the GH-002-2019 hearing record.

Prior to Construction

4. Report on Engagement with Indigenous Peoples

- a) NGTL shall file with the Commission, **at least 45 days prior to commencing construction of the Section 52 Pipeline and Related Facilities**, and every **3 months thereafter** until completing construction, a report summarizing NGTL's engagement with all potentially affected Indigenous peoples. The first reporting period should include updates from 8 April 2020 onward¹. These reports shall include but not be limited to:
 - i. the methods, dates, and locations of consultation activities, including site visits;
 - ii. a summary of the concerns raised by Indigenous peoples;
 - iii. a description of how NGTL has addressed or will address the concerns raised;
 - iv. a description of any outstanding concerns; and
 - v. a description of how NGTL intends to address any outstanding concerns, or an explanation as to why no further steps will be taken.
- b) NGTL shall also provide a copy of the report to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL shall, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

5. Indigenous Peoples Employment, Contracting, and Procurement Plan Update

- a) NGTL shall file with the Commission **at least 45 days prior to commencing construction of the Section 52 Pipeline and Related Facilities**, an update on employment, contracting and procurement for Indigenous peoples that includes:
 - i. a copy of the Prime Contractor's Aboriginal Participation Plan;
 - ii. a copy of NGTL's Aboriginal Contracting and Employment Program; and
 - iii. a summary of how the Prime Contractor's Aboriginal Participation Plan aligns with NGTL's Aboriginal Contracting and Employment Program.
- b) NGTL shall also provide a copy of the plan to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL shall, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

6. Construction Monitoring Plan for Indigenous Peoples

- a) NGTL shall file with the Commission, **at least 45 days prior to commencing construction of the Section 52 Pipeline and Related Facilities**, a plan describing the participation of Indigenous peoples in monitoring activities during construction. Activities would include monitoring for adverse environmental impacts, heritage

¹ NGTL's most recent engagement update was for the period of 20 February 2020 to 7 April 2020, as filed with [C05684](#), NGTL's Reply Evidence, pages 2-8 (PDF pages 6-12 of 94).

resources, areas related to traditional land and resource uses, and areas of cultural significance. The plan shall include, but not be limited to:

- i. a summary of engagement and planning activities undertaken with Indigenous peoples to develop opportunities for their participation in monitoring activities;
 - ii. a description of how the results from its engagement with Indigenous peoples were incorporated into the plan, or an explanation as to why any results have not been incorporated;
 - iii. a list of Indigenous peoples who have reached agreement with NGTL to participate as monitors;
 - iv. a description of the anticipated training and participant requirements, including potential certifications for the Indigenous peoples monitors;
 - v. the scope, methodology, and justification for monitoring activities to be undertaken by NGTL and each participant identified in a) iii., including those elements of construction and geographic locations that will involve monitors;
 - vi. a description of how NGTL will use and incorporate the information gathered through the participation of monitors and apply it to the Project; and
 - vii. a description of how, what form, and the timeframe in which NGTL will provide the information gathered through the participation of monitors to the participating Indigenous peoples.
- b) NGTL shall provide a copy of the plan to those Indigenous peoples identified in a) iii.; and NGTL shall, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

7. Outstanding Traditional Land and Resource Use Investigations

- a) NGTL shall file with the Commission for approval, **at least 45 days prior to commencing construction of the Section 52 Pipeline and Related Facilities**, a report on any outstanding traditional land and resource use investigations for the Project. The report shall include, but not be limited to:
- i. a summary of the status of investigations undertaken for the Project, including Indigenous community-specific studies or planned supplemental surveys
 - ii. a description of how NGTL has considered and addressed information from any investigations on which it did not report during the GH-002-2019 hearing process;
 - iii. a description of any outstanding concerns raised by potentially affected Indigenous peoples regarding potential effects of the Project on the current use of lands and resources for traditional purposes, including a description of how these concerns have been or will be addressed by NGTL, or a detailed explanation why these concerns will not be addressed by NGTL;
 - iv. a summary of any outstanding investigations or follow-up activities that will not be completed prior to commencing construction, including an explanation why they are not being completed prior to construction; an

- estimated completion date, if applicable;
 - v. a description of how NGTL has already identified, or will identify, any potentially-affected sites or resources if the outstanding investigations will not be completed prior to construction; and
 - vi. a description of how NGTL has incorporated any revisions necessitated by the investigations or follow-up activities into the Environmental Protection Plan for the Project, or, if appropriate, into NGTL lifecycle oversight.
- b) NGTL shall also provide a copy of the report to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL shall, **within 7 days of the filing in a)**, provide confirmation to the Commission that it provided those copies.

8. Heritage Resource Clearances

- a) NGTL shall file with the Commission, **at least 30 days prior to commencing construction of the Section 52 Pipeline and Related Facilities:**
- i. confirmation, signed by the Accountable Officer of the company, that NGTL has obtained all of the required archaeological and heritage resource clearances from the Alberta Ministry of Culture, Multiculturalism and Status of Women;
 - ii. a description of how NGTL will meet any conditions and respond to any comments and recommendations contained in the clearances referred to in i.; and
 - iii. a description of how NGTL has incorporated additional mitigation measures into its Environmental Protection Plan as a result of conditions, comments, or recommendations referred to in ii.
- b) NGTL shall also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy of this information; and NGTL shall, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

9. Geological Hazards

NGTL shall file with the Commission, **at least 60 days prior to commencing construction**, a Geological Hazard Assessment(s) report(s). The report(s) shall include, but not be limited to:

- a) an assessment of all the geological hazards that the Project crosses along the ROW;
- b) the risks associated with the identified hazards;
- c) the mitigation and monitoring methods to control the identified hazards;
- d) a list of the locations identified as high risk areas during the construction stage; and
- e) NGTL's proposed monitoring plans during operation at the high hazard location and the monitoring techniques that NGTL will implement at those locations.

Monitoring techniques that the CER will be assessing for high hazard slope and landslide locations will include remote continuous slope monitoring methods and similar approaches.

10. Emergency Management Continuing Education Program

- a) NGTL shall file with the Commission, **at least 30 days prior to commencing construction**, a Project-specific plan (Plan) that outlines the development of a continuing education program for the Project (Program) and how it would be incorporated into the broader continuing education program required by Section 35 of the OPR (SOR/99-294). The Plan shall include:
 - i. a list of potentially affected Indigenous peoples, first responders (for example, police, fire departments, medical facilities), and any other appropriate organizations, government authorities or agencies (for example, municipalities) that have been identified for consultation and the results of consultation to date;
 - ii. the goals, principles and objectives for consultation for the development of the Program including evidence of how consultation feedback was integrated into the Program;
 - iii. a description of how information provided by potentially affected Indigenous peoples, first responders or any other appropriate organizations, government authorities or agencies will be incorporated into the Program, including a description of NGTL's procedure to communicate to potentially affected parties how their information will be incorporated into the Program and justification for why any information may not have been incorporated into the Program;
 - iv. a description of how Program information would be communicated or distributed to potentially affected Indigenous peoples, first responders, and any other appropriate organizations, government authorities and agencies, including how NGTL will address any requests from potentially affected Indigenous peoples to have Program information translated into the local Indigenous language; and
 - v. a summary of the information to be included in the Program, including:
 - a. potential emergency situations involving the **Section 52 Pipeline and Related Facilities**, including but not limited to, spills or releases and incidents as defined by the NEB Event Reporting Guidelines;
 - b. the safety procedures to be followed in the case of an emergency;
 - c. a description of how NGTL will conduct annual testing of emergency contact information, including with Indigenous peoples, and how NGTL will ensure the group being contacted has up-to-date company emergency contact information as well;
 - d. the methods by which potentially affected Indigenous peoples, first responders, and any other appropriate organizations, government authorities and agencies can contact NGTL in the case of an emergency situation; and
 - e. the methods by which NGTL can contact potentially

affected Indigenous peoples, first responders, and any other appropriate organizations, government authorities and agencies in the case of an emergency situation.

- b) NGTL shall also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL shall, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

11. Programs and Manuals

NGTL shall file with the Commission, **at least 30 days prior to commencing construction**, confirmation that a Construction Safety Manual(s) pursuant to Section 20 of the OPR that includes a description of the roles and responsibilities of the company representatives and its contractor(s) supervisory roles is in place for the Project. This confirmation shall be signed by the Accountable Officer of the Company.

12. Environmental Protection Plan (EPP) for Section 52 Pipeline and Related Facilities

- a) NGTL shall file with the Commission, for approval, **at least 45 days prior to commencing construction**, an updated EPP (including Environmental Alignment Sheets) specific to the **Section 52 Pipeline and Related Facilities**. The updated version of the EPP is to include revisions based on evidence provided during the hearing process. The updated EPP must include, but not be limited to, the following:
- i. environmental protection procedures (including site-specific plans), criteria for implementing these procedures, mitigation measures and monitoring applicable to all Project phases and activities;
 - ii. any updates to contingency plans and management plans;
 - iii. a description of the condition to which NGTL intends to reclaim and maintain the ROW, once construction has been completed, and a description of measurable goals for reclamation;
 - iv. a list of measures to be taken during construction to minimize disturbance to caribou and caribou habitat and help accelerate habitat restoration, including:
 - a. any provincial and federal best practices, requirements and timing restrictions specifically related to minimizing construction disturbance; and
 - b. the criteria for where those measures will be taken;
 - v. all specific mitigation related to species at risk and their habitat, and Key Wildlife and Biodiversity Zones;
 - vi. a list of any site-specific mitigation measures that were developed, if any, in response to traditional land and resource use sites identified by Indigenous peoples;
 - vii. updated environmental alignment sheets;
 - viii. evidence demonstrating that consultation took place with relevant government authorities, where applicable; and
 - ix. a revision log of the updates made, the reference where the updates can be

found in the revised document, as well as the reference from the hearing evidence for each update.

- b) NGTL must also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

13. Commitments Tracking Table

NGTL shall:

- a) File with the Commission and post on its Project website, within 90 days from the date of this Certificate and at least 30 days prior to commencing construction on the Section 52 Pipeline and Related Facilities, a Commitments Tracking Table listing all commitments made by NGTL, including all commitments made to Indigenous peoples, in its Application, and otherwise made on the GH-002-2019 hearing record, and that includes references to:
 - i. the documentation in which the commitment appears (for example, the Application, responses to Information Requests, hearing transcripts, permit requirements, condition filings, or other);
 - ii. traditional land and resource use information from potentially affected Indigenous peoples;
 - iii. the accountable lead for implementing each commitment; and
 - iv. the estimated timelines associated with the fulfillment of each commitment.
- b) Update the status of the commitments in a) on its Project website and file these updates with the Commission on:
 - i. a monthly basis until commencing operations; and
 - ii. every six months until the end of the fifth year following the commencement of operations.
- c) Maintain at its Project site during the life cycle of the Project:
 - i. the Commitments Tracking Table listing all regulatory commitments and their completion status, including those commitments resulting from NGTL's Application and subsequent filings and conditions from permits, authorizations and approvals;
 - ii. copies of any permits, approvals or authorizations issued by federal, provincial or other permitting authorities, which include environmental conditions or site specific mitigation or monitoring measures; and
 - iii. any subsequent variances to permits, approvals or authorizations in c) ii.

14. Construction Schedule

- a) NGTL must, **at least 14 days prior to the commencement of construction of the approved Section 52 Pipeline and Related Facilities**, file with the Commission a detailed construction schedule or schedules identifying major construction activities and must notify the Commission of any modifications to the schedule or schedules as they occur.

- b) NGTL must also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

15. Construction Emergency Management Preparedness and Response Planning

- a) NGTL must file with the Commission, **at least 60 days prior to commencing construction**, the Emergency Response Plan, specific to the Section 52 Pipeline and Related Facilities that will be implemented during the construction phase of the Section 52 Pipeline and Related Facilities. The plan must include spill contingency measures that NGTL will employ in response to accidental spills attributable to construction activities, 24-hour medical evacuation, fire response and security.
- b) NGTL must also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

16. Terrain, Geotechnical and Hydrotechnical Assessments update

NGTL shall file the hydrotechnical studies for the Project with the Commission **at least 60 days prior to commencing construction**. NGTL shall ensure that these studies address the following:

- a) the proposed pipeline burial depth at the Notikewin River provided that the scour depth is 1.9 m for a 1 in 100 year flood event and details of the selected installation method; and
- b) justification for the selected installation method at the Notikewin River and the Loon River based on the scour depth assessments at both watercourse crossings.

During Construction

17. Loon River Contingency Crossing Attempt

In the event that initial and contingency Horizontal Directional Drill crossing attempts at Loon River fail and NGTL resorts to an alternative crossing method to cross the Loon River, NGTL shall file a detailed description of the alternative crossing method, including design drawings, and any feasibility or engineering studies. This shall be filed with the Commission **15 days prior to implementing the alternative crossing method**.

18. Execution Plan and Engineering Drilling Fluid Plans for Loon River Horizontal Directional Drill

NGTL shall file with the Commission, **at least 30 days prior to the commencement of Horizontal Directional Drill activities**, the Horizontal Directional Drill Execution Plan and Engineered Drilling Fluid Plan for Loon River. The plans should include but not limited to:

- a) detailed description of the construction operation and schedule, pipe pullback details, and casing plans; and
- b) a description of the drilling fluid selected, drilling fluid disposal plans, and how the drilling fluid will be used to manage the identified risks.

19. Sunset Clause

This Certificate shall expire on 7 May 2024, unless construction in respect **of the Section 52 Pipeline and Related Facilities** has commenced by that date.

20. Finalized Watercourse Crossing Inventory

NGTL shall file with the Commission, **at least 60 days prior to commencing construction of any watercourse crossing**, the following:

- a) an updated inventory of all watercourses to be crossed, including, for each crossing:
 - i. the name of the watercourse being crossed and an identifier for the crossing;
 - ii. the location of the crossing;
 - iii. the primary crossing methods;
 - iv. timing of construction
 - v. information on the presence of fish and fish habitat;
 - vi. the fisheries timing window of least risk for each crossing; and
 - vii. an indication of whether there is potential for harmful alteration, disruption or destruction of fish or fish habitat, as defined by the Fisheries Act, as a result of the proposed watercourse crossing.
- b) For each watercourse crossing where there is potential for harmful alteration, disruption or destruction of fish or fish habitat, as indicated above in a) part vii, provide:
 - i. detailed crossing-specific design drawings;
 - ii. photographs of the crossing location, including both upstream and downstream;
 - iii. a description of the fish species and habitat that is present at the crossing location, and whether fish spawning is likely to occur within the immediate area;
 - iv. the site-specific mitigation and habitat enhancement measures to be used to minimize impacts to fish;
 - v. any potential residual effects;
 - vi. proposed reclamation measures;
 - vii. a discussion of potential impacts to local fisheries resources within the immediate area as a result of the crossing construction; and
 - viii. a description of how NGTL has taken traditional land and resource use information from potentially affected Indigenous peoples into consideration in developing the watercourse crossing designs.
- c) NGTL must provide a copy of the condition filing to all Indigenous peoples who may be potentially affected by a watercourse crossing; and NGTL must, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

21. Contingency Watercourse Crossing Method for the Loon River

- a) Should NGTL employ a contingency crossing method, instead of its proposed primary crossing method for the Loon River, and where there is no potential harmful alteration, disruption or destruction of fish or fish habitat, as defined in the Fisheries Act, NGTL shall file with the Commission, a notification to this effect, **at least 10 days prior to commencing the contingency crossing**. In the notification, NGTL shall explain why the contingency method is being employed and provide a summary of the differences between the primary and contingency watercourse crossing methods.
- b) Should NGTL employ a contingency crossing method for the Loon River watercourse crossing, instead of its proposed primary method, and where the contingency crossing method poses a potential harmful alteration, disruption or destruction of fish or fish habitat, as defined in the Fisheries Act, NGTL shall file with the Commission **at least 30 days prior to commencing construction of the contingency watercourse crossing**:
 - i. confirmation of the contingency watercourse crossing method being employed, the rationale for employing that method, and a summary of the differences between the primary and contingency watercourse crossing methods;
 - ii. the following site-specific information:
 - a. detailed crossing-specific design drawings;
 - b. photographs of the crossing location, as well as upstream and downstream;
 - c. a description of the fish species and habitat that is present at the crossing location, and if fish spawning is likely to occur within the immediate area;
 - d. the site-specific mitigation and habitat enhancement measures to be used to minimize impacts;
 - e. any potential residual effects;
 - f. proposed reclamation measures;
 - g. a discussion of the potential impacts to local fisheries resources within the immediate area as a result of the crossing's construction; and
 - h. a description of how NGTL has taken traditional land and resource use information from potentially affected Indigenous peoples into consideration in developing the watercourse crossing designs.
- c) NGTL shall file with the Commission, **at least 30 days prior to commencing construction of the contingency crossing method**, a summary of the consultation undertaken with appropriate government authorities, stakeholders and potentially affected Indigenous peoples in regard to a) and b) above, that includes:
 - i. a description of the engagement activities undertaken;
 - ii. a summary of the comments and concerns raised; and

- iii. how NGTL intends to address any outstanding concerns or an explanation of why no further steps will be undertaken.
- d) In any event that a contingency crossing method is employed, NGTL shall provide a notification to any Indigenous peoples potentially affected by the contingency crossing, **30 days prior to commencing construction of the contingency crossing.**
- e) In the event NGTL does not implement a contingency crossing at the Loon River, it must notify the Commission of such, **no later than 10 days after the commencement of operations.**

22. Authorizations under paragraph 35(2)(b) of the Fisheries Act

- a) For any instream activities that will require an authorization under paragraph 35(2)(b) of the *Fisheries Act*, NGTL shall file with the Commission, **at least 10 days prior to commencing the respective instream activities**, a copy of the authorization under paragraph 35(2)(b) of the *Fisheries Act*;
- b) NGTL shall confirm, **within 30 days after commencing operations**, that any required *Fisheries Act* authorizations were obtained from Fisheries and Oceans Canada and were filed with the Commission pursuant to a), or notify the Commission if no Authorizations were required.

23. Hydrostatic Testing Plan

NGTL shall file with the Commission, **at least 30 days prior to pressure testing**, a Hydrostatic Testing Plan for the **Section 52 Pipeline and Related Facilities** that includes:

- a) the location(s) of water withdrawal and discharge;
- b) clearing activities or any other associated works, if required, to allow for transport of the hydrostatic test water to the **Section 52 Pipeline and Related Facilities**;
- c) the rate(s) of water withdrawal;
- d) the volume(s) of water withdrawal;
- e) the flow rate/volume of water at withdrawal location(s); and
- f) any site-specific mitigation measures to be used at the water withdrawal and discharge locations, or at any other locations required to allow for the transport of hydrostatic test water.

24. Construction Progress Reports

NGTL must file with the Commission, **by the 16th day and by the last day of each month during construction**, construction progress reports. The report must include:

- a) information on the activities carried out during the reporting period;
- b) any environmental, socio-economic, safety and security issues and issues of noncompliance; and
- c) the measures undertaken for the resolution of each issue and noncompliance.

25. Working within the Red Earth Caribou Range Restricted Activity Period

- a) Clearing and construction activities within the Red Earth caribou range must occur outside of the Restricted Activity Period (RAP) for woodland caribou of 15 February to 15 July. In the event that working within the RAP for the Red Earth caribou range is unavoidable, NGTL must file with the Commission for approval, **at least 15 days prior to activities occurring within the RAP**:
 - i. a summary of consultation with Alberta Environment and Parks, Environment and Climate Change Canada, and any Indigenous peoples that expressed interest in the Red Earth caribou ranges during the GH-002-2019 hearing process, including a list of concerns and how these have been addressed, or a rationale for why the concerns have not been addressed;
 - ii. a description of the remaining and proposed work activities including, but not limited to the following:
 - a. a description of the scope of the work activities;
 - b. the proximity of each of the work activities to greenfield and other sensitive locations;
 - c. the predicted environmental effects of working within the RAP;
 - d. the specific mitigation that will be implemented to reduce the effects on the caribou; and
 - e. the predicted residual effects of the construction activities;
 - iii. a comparison of the alternatives to working within the RAP that were considered and assessed, including the potential impacts of each;
 - iv. a construction schedule for the remainder of the Project that includes each week NGTL intends to work within the RAP and includes but is not limited to the following:
 - a. each work activity;
 - b. the dates each work activity will be conducted;
 - c. the workforce and equipment required for each work activity;
 - d. the location of each work activity with reference to the Environmental Alignment Sheets by Kilometre Post and Latitude and Longitude; and
 - e. if helicopters are required, the purpose of the helicopter plus the location and frequency of use;
 - v. a report on the results from a caribou survey (including but not limited to telemetry) of the ROW and an appropriate buffer zone surrounding the area where activities will occur during the RAP. The survey will be conducted between three weeks to a month prior to the start of construction within the RAP. The report will include:

- a. timing of survey and method(s) used;
 - b. locations (Kilometre Post and Latitude and Longitude), dates and numbers of individual caribou sighted;
 - c. location and description of evidence of caribou use; and
 - d. description of the specific mitigation to be implemented and for how long;
- vi. documentation from a senior Alberta Environment and Parks manager authorizing activities between 15 February and 15 July. This documentation will include:
- a. minutes of meetings, conversation records, and letters with regard to approval of construction activity as described in part iv; and
 - b. evidence that NGTL has contacted an appropriate qualified professional to discuss alternatives and potential mitigation and monitoring plans; and
- vii. any other pertinent information that may be relevant to the above.
- b) NGTL must also provide a copy of the information required by this condition to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

The Commission notes that although Alberta Environment and Parks has authority over certain activities occurring in the Red Earth caribou range, the Commission maintains jurisdiction and oversight of the work being conducted on federally regulated ROWs. The Commission expects NGTL to make every effort possible to avoid work during the RAP in the Red Earth caribou range.

Post-construction and Operations

26. Condition Compliance by the Accountable Officer

Within 30 days of the date that the approved Project is placed in service, NGTL shall file with the Commission confirmation that the approved Project was completed and constructed in compliance with all applicable conditions in this Certificate. If compliance with any of these conditions cannot be confirmed, NGTL shall file with the Commission 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 Section 6.2 of the OPR.

27. Training, Employment, Contracting, and Procurement Report

- a) NGTL shall file with the Commission, **within 3 months after the date that the last Order for Leave to Open is issued**, a report on all employment, contracting, and procurement for the Project, that shall include, but is not limited to:
 - i. a summary of any training needs identified by Indigenous peoples to be able to access contracting and employment opportunities for the Project, and a

- description of how NGTL has or will support Indigenous peoples in meeting these training needs;
- ii. a summary of the employment, contracting, and procurement elements or indicators monitored;
 - iii. a summary of local and regional employment and business opportunities, including for Indigenous peoples, created during the reporting period;
 - iv. the numbers of self-identified Indigenous-owned businesses and individuals employed; and
 - v. a summary of NGTL's engagement efforts, undertaken during the reporting period, with relevant Indigenous peoples and local, regional, community, and industry groups or representatives, regarding potential training, employment and business opportunities on the Project.
- b) NGTL shall also provide a copy of the report to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL shall, **within 7 days of the filing in a)**, provide confirmation to the Commission that it provided those copies.

28. Post-Construction Monitoring Plan for Indigenous Peoples

- a) NGTL shall file with the Commission, **within 90 days after the date that the last Order for Leave to Open is issued**, a plan describing participation by Indigenous peoples in monitoring activities during post-construction of the **Section 52 Pipeline and Related Facilities**. The plan shall include, but not be limited to:
- i. a summary of engagement and planning activities undertaken with Indigenous peoples to develop opportunities for their participation in monitoring activities;
 - ii. a description of how the results from its engagement with Indigenous peoples were incorporated into the plan, or an explanation as to why any results have not been incorporated;
 - iii. a list of the Indigenous peoples that have reached agreement with NGTL to participate as monitors;
 - iv. a description of the anticipated training and participant requirements, including potential certifications;
 - v. the scope, methodology, and justification for monitoring activities to be undertaken by NGTL and each participant identified in a) iii, including those elements of post-construction and operation, and geographic locations that will involve monitor(s);
 - vi. a description of how NGTL will use the information gathered through the participation of monitors; and
 - vii. a description of how NGTL will provide the information gathered through the participation of monitors to the participating Indigenous peoples.
- b) NGTL shall provide a copy of the plan to those Indigenous peoples identified in a) iii; and NGTL shall, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

29. Post-Construction Environmental Monitoring Reports

- a) **On or before the 31 of January following each of the first, third and fifth complete growing seasons after completing final clean-up**, NGTL shall file with the Commission a post-construction environmental monitoring report (report) that:
- i. describes the methodology used for monitoring, including any relevant methodology or criteria identified in the Post-Construction Monitoring Plan for Indigenous Peoples (Condition 28), the criteria established for evaluating success and the results found;
 - ii. identifies any modifications for the criteria established for evaluating reclamation success described in its Environmental Protection Plan and the rationale for any modifications;
 - iii. identifies the issues to be monitored, including but not limited to any issues identified by the Post Construction Monitoring Plan for Indigenous Peoples (Condition 28), any unexpected issues that arose during construction, and their locations (e.g. on a map or diagram, in a table);
 - iv. describes the current status of the issues (resolved or unresolved), any deviations from plans and corrective actions undertaken;
 - v. assesses the effectiveness of mitigation measures, both planned and corrective, against the criteria for success;
 - vi. includes a detailed summary of NGTL's consultation undertaken with the appropriate provincial and federal authorities, and affected Indigenous peoples and a detailed description of how this consultation informed and/or modified NGTL's environmental monitoring program;
 - vii. a summary of NGTL's engagement efforts, undertaken during the reporting period, with relevant Indigenous peoples, including:
 - a. a summary of monitoring opportunities for Indigenous peoples created during the reporting period; and
 - b. the numbers of self-identified Indigenous-owned businesses and individuals employed;
 - viii. provides proposed measures and the schedule that NGTL would implement to address ongoing issues or concerns; and
 - ix. includes an evaluation of the effectiveness of access control measures.

The report shall include, but is not limited to, information specific to the effectiveness of mitigation applied to minimize effects on: soils, weeds, watercourse crossings, wetlands, wildlife and wildlife habitat, Key Wildlife and Biodiversity Zones, wildlife species at risk and of special concern, including caribou, and fish and fish habitat.

- b) NGTL shall provide a copy of the report to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL shall, **within 7 days of the filing**, provide confirmation to the Commission that it has provided those copies.

30. Caribou Habitat Restoration Implementation Report and Status Update

- a) NGTL shall file with the Commission for approval, a Caribou Habitat Restoration Implementation Report and Status Update on the implementation and status of caribou habitat restoration measures undertaken on the Project ROW in areas of the Project within caribou habitat. This report shall be filed **on or before 1 November after the implementation of the restoration measures** and shall include, at a minimum:
 - i. a table of caribou habitat restoration measures implemented including their location on the ROW, their distance or spatial extent, the site specific method applied at each location, a description of the adjacent off-ROW habitat, as well as any site-specific challenges;
 - ii. updated Environmental Alignment Sheets showing the types of measures implemented and at what locations;
 - iii. updates to consultation logs;
 - iv. a summary of the input received from the Government of Alberta regarding the identification of suitable locations for offsets, if available;
 - v. offset measures planning status; and
 - vi. updates or considerations, if any, from any relevant federal and/or provincial range or action plans.
- b) If a Project-specific Indigenous Working Group has been formed, the report shall include:
 - i. a description of the collaboration with the IWG that has occurred with respect to the development of the filing, including how caribou-specific Indigenous knowledge has been incorporated into the filing, including the incorporation of cultural ceremonies; and,
 - ii. a summary of any issues or concerns raised by interested Indigenous groups regarding the filing, including how NGTL has addressed the issue or concern in the filing, any ongoing collaborative attempts to resolve the issue or concern, or an explanation as to why the issue or concern will not be addressed; and,
- c) NGTL must also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy, to Environment and Climate Change Canada, and to all appropriate provincial authorities; and NGTL must, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

31. Caribou Habitat Offset Measures Implementation Report

- a) NGTL shall file with the Commission for approval, a Caribou Habitat Offset Measures Implementation Report (CHOMIR) demonstrating how all Project related residual effects from directly and indirectly disturbed caribou habitat have been offset. This implementation report shall be filed **on or before 31 March after the implementation of offset measures** and shall include:
 - i. a summary of consultation, planning and engagement activities with Indigenous peoples that expressed an interest in being involved with the

CHOMIR and related filings during the GH-002-2019 hearing process, regarding development and finalization of the CHOMIR. These summaries shall include but not be limited to:

- a. any recommendations or input provided regarding the development of the CHOMIR for the Project, how any input or recommendations informed and were incorporated into the final report, and an explanation, as applicable, why any input or recommendations were not incorporated;
 - b. any comments and concerns raised specific to the CHOMIR;
 - c. a description of how NGTL has addressed or will address the concerns or comments raised;
 - d. a description of any outstanding concerns; and
 - e. a description of how NGTL intends to address any outstanding concerns, or an explanation as to why no further steps will be taken;
- ii. an inventory of what measures were implemented, at what map locations, for what distance or spatial area, and on what type of previous disturbance (e.g., type, width, age, condition);
 - iii. a description of factors considered when determining the location for offset measures, including consideration of both site-specific factors, landscape-level factors and how the selected locations optimized landscape restoration or preservation;
 - iv. how the measures at those locations met the Offset Measures Plan criteria for offsets;
 - v. demonstration as to how the offset measures have offset the Project residual effects; and
 - vi. evidence of how consultation feedback was integrated into the implementation of offsets, including:
 - a. any feedback from federal or provincial authorities; and
 - b. any potentially affected Indigenous peoples whose traditional territory is located where the offset measures may be implemented; and,
- b) If a Project-specific Indigenous Working Group has been formed, the report shall include:
- i. a description of the collaboration with the IWG that has occurred with respect to the development of the filing, including how caribou-specific Indigenous knowledge has been incorporated into the filing, including the incorporation of cultural ceremonies; and,
 - ii. a summary of any issues or concerns raised by interested Indigenous groups regarding the filing, including how NGTL has addressed the issue or concern in the filing, any ongoing collaborative attempts to resolve the issue

or concern, or an explanation as to why the issue or concern will not be addressed; and,

- c) NGTL must also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy, to Environment and Climate Change Canada, and to all appropriate provincial authorities; and NGTL must, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

32. Caribou Habitat Restoration and Offset Measures Monitoring Program

- a) NGTL shall file with the Commission for approval, **on or before 31 March after the second complete growing season after commencing operation of the Project**, a Caribou Habitat Restoration and Offset Measures Monitoring Program for monitoring and verifying the effectiveness of the caribou habitat restoration and offset measures implemented as part of the Caribou Habitat Restoration and Offset Measures Plan. This Caribou Habitat Restoration and Offset Measures Monitoring Program shall include, but not be limited to:
 - i. a summary of consultation, planning and engagement activities with Indigenous peoples that expressed an interest in being involved with the Caribou Habitat Restoration and Offset Measures Monitoring Program and related filings during the GH-002-2019 hearing process, regarding development and finalization of the Caribou Habitat Restoration and Offset Measures Monitoring Program. These summaries shall include but not be limited to
 - a. any recommendations or input provided regarding the development of the Caribou Habitat Restoration and Offset Measures Monitoring Program for the Project, how any input or recommendations informed and were incorporated into the final report, and an explanation, as applicable, why any input or recommendations were not incorporated;
 - b. any comments and concerns raised by Dene Tha First Nation, Driftpile Cree Nation, and Peerless Trout First Nation specific to the Caribou Habitat Restoration and Offset Measures Monitoring Program;
 - c. a description of how NGTL has addressed or will address the concerns or comments raised;
 - d. a description of any outstanding concerns; and
 - e. a description of how NGTL intends to address any outstanding concerns, or an explanation as to why no further steps will be taken;
 - ii. the scientific methodology and protocols for short-term and long-term monitoring of the restoration and offset measures, including the appropriate duration of monitoring for each type of measure implemented;
 - iii. sufficient sampling and control locations to provide statistical validity for each measure, accounting for ecological conditions;

- iv. protocols for how restoration and offset measures will be adapted, as required, based on the monitoring results from either this Program or other NGTL Caribou Habitat Restoration and Offset Measures Monitoring Plans or Programs;
 - v. a quantitative assessment that demonstrates how the previously calculated residual effects have been offset by the measures implemented, to be updated in each report based on monitoring results; and
 - vi. a schedule for filing reports of monitoring results and the adaptive management responses, to the Commission, Environment and Climate Change Canada and provincial authorities to be contained in the Caribou Habitat Restoration and Offset Measures Monitoring Program as well as at the beginning of each report filed.
- b) If a Project-specific Indigenous Working Group has been formed, the report shall include:
- i. a description of the collaboration with the IWG that has occurred with respect to the development of the filing, including how caribou-specific Indigenous knowledge has been incorporated into the filing, including the incorporation of cultural ceremonies; and,
 - ii. a summary of any issues or concerns raised by interested Indigenous groups regarding the filing, including how NGTL has addressed the issue or concern in the filing, any ongoing collaborative attempts to resolve the issue or concern, or an explanation as to why the issue or concern will not be addressed; and,
- c) NGTL must also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, **within 7 days of the filing in a)**, provide confirmation to the Commission that it has provided those copies.

33. Caribou Monitoring Reports

- a) NGTL shall file with the Commission for approval, in accordance with the schedule referred to in the Caribou Habitat Restoration and Offset Measures Monitoring Program (Condition 32), Caribou Monitoring Report(s), outlining the results of the Caribou Habitat Restoration and Offset Measures Monitoring Program. The Caribou Monitoring Report(s), if a Project-specific Indigenous Working Group has been formed, shall include:
- i. a description of the collaboration with the IWG that has occurred with respect to the development of the filing, including how caribou-specific Indigenous knowledge has been incorporated into the filing, including the incorporation of cultural ceremonies; and
 - ii. a summary of any issues or concerns raised by interested Indigenous groups regarding the filing, including how NGTL has addressed the issue or concern in the filing, any ongoing collaborative attempts to resolve the issue or concern, or an explanation as to why the issue or concern will not be addressed; and,

- b) NGTL must also provide a copy to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, **within 7 days of the filing** provide confirmation to the Commission that it has provided those copies.

34. Pipeline Geographic Information System (GIS) Data

NGTL must file with the Commission, **within one year after commencing operations**, as built GIS data in the form of Esri® shapefiles. This must include:

- a) a file that contains all pipeline segment center lines (with line geometry type), where each segment has unique attribute values of outside diameter, wall thickness, maximum operating pressure, external coating, field-applied girth weld coating, pipe manufacturing specification and depth of cover. If above values of the pipeline change at any point along the pipeline, the pipeline must be segmented at that point. Spatial reference specification: GCS_North_American_1983_CSRS. WKID: 4617, Authority: EPSG, Unit of Measure for linear attributes: Metric. This file must include details on the degree of accuracy of the GIS data: better than +/- 0.1m (8 Decimal Digits for geometry); and
- b) a file that depicts point locations and names of compressor stations, terminals, custody transfer meters, and block valves, as applicable. The datum must be NAD83 and projection must be geographic (latitudes and longitudes).

The filing required by the condition must include a statement confirming that the signatory to the filing is the Accountable Officer of NGTL.

35. Support for Indigenous Groups to Review NGTL Filings Related to Conditions

Upon request, NGTL shall offer funding to Indigenous peoples to support their review of NGTL's filings related to conditions.

- a) NGTL shall file with the Commission, at least 45 days prior to commencing construction of the Section 52 Pipeline and Related Facilities, and every 6 months until the conditions identified are filed, a summary of the discussions it has had with Indigenous peoples regarding filings related to conditions. This shall include discussions on funding to support the review of filings related to Conditions 4, 5, 6, 7, 8, 10, 12, 14, 15, 20, 25, 27, 28, 29, 30, 31, 32, 33, and 37, and other conditions for which Indigenous peoples express an interest in receiving copies of filings, with a description of any outstanding concerns raised by Indigenous peoples regarding NGTL's offer of funding to support their review, including a description of how these concerns have been or will be addressed by NGTL, or a detailed explanation of why these concerns will not be addressed by NGTL.
- b) NGTL must also provide a list of Indigenous peoples who have expressed an interest in receiving a copy of filings related to any of Conditions 4, 5, 6, 7, 8, 10, 12, 14, 15, 20, 25, 27, 28, 29, 30, 31, 32, 33, and 37, and other conditions for which Indigenous peoples expressed an interest in receiving copies of filings, and which Indigenous peoples expressed an interest in which filings.

36. Indigenous Working Group for the Chinchaga and Red Earth Caribou Ranges

For the purpose of informing the planning and implementation of caribou habitat restoration, offsets, and monitoring, and for the development of other filings relating to caribou required under Conditions 30, 31, 32, and 33, including ensuring the collection and incorporation of

caribou-specific Indigenous knowledge, NGTL must seek to establish an Indigenous Working Group (IWG) for the Chinchaga and Red Earth Caribou Ranges with any interested Indigenous groups who are potentially affected by the Project and who express an interest in participating.

- a) NGTL must file with the Commission, within four months of issuance of the certificate for the Project, a plan for the establishment of an IWG. The plan is to be developed in collaboration with those Indigenous groups who are potentially affected by the Project and who expressed an interest in participating, and must include at a minimum:
 - i. a summary of any activities undertaken to-date for the development of the plan to establish an IWG; and,
 - ii. the planned steps for establishing an IWG, including an outline and timeline of activities for collaboration on the development of the IWG and its working documents.

For clarification, this plan is not required to be filed prior to the commencement of construction nor are any of the conditions that require filings for approval prior to construction contingent upon the filing of this plan.

- b) NGTL must file with the Commission, within eight months of issuance of the certificate for the Project, and annually thereafter throughout the lifespan of the IWG, a report on the progress of the establishment and activities of the IWG:
 - i. if one or more of the Indigenous groups agree to participate in the IWG, the report must confirm the establishment of the IWG and describe:
 - 1) the membership of the IWG;
 - 2) the collaboratively-developed working documents of the IWG, including, as agreed to by the membership of the IWG:
 - any terms of reference;
 - the scope of the IWG, including confirmation of any aspects of the CHR&OMP that have already been implemented or irreversibly committed to, or are necessary to achieve at least the same level of protection for caribou and its habitat as committed to during the Commission hearing and in the CHR&OMP, and are thus not open to change;
 - decision-making protocol;
 - dispute resolution process;
 - work plan; and
 - the lifespan of the IWG;
 - 3) a summary of any issues or concerns raised by the Indigenous groups regarding the functioning of the IWG, including plans or mechanisms for collaborative resolution of those issues, or an explanation as to why any issue or

concern identified by the Indigenous groups will not be addressed. NGTL must include any correspondence from the Indigenous groups, provided upon request from an Indigenous group and subject to any confidentiality agreements, that outlines any issue or concern raised;

- 4) a summary of specific input on offsets, if provided by the IWG, and confirmation that these have been provided to the Government of Alberta, or if not, an explanation as to why not;
 - 5) a description of the process used to share information received from the Government of Alberta with the IWG and to provide the IWG with the opportunity to provide comments to the proponent, including how these comments were addressed, or if not an explanation as to why not;
 - 6) a description of the resources, including funding that NGTL has provided, that will be available to support the participation of the Indigenous groups in the IWG; and
 - 7) a summary of activities implemented by the IWG; or,
- ii. if none of the Indigenous groups agree to participate, or the Indigenous groups do not come to agreement on the terms necessary to establish an IWG within eight months of issuance of the certificate for the Project, the report must include an explanation of NGTL's efforts to create an IWG and a summary of any reasons given by the Indigenous groups for their non-participation. If no IWG is formed within 8 months of the issuance of the certificate for the Project, then no further actions with respect to the IWG are required.

37. Revised Caribou Habitat Restoration and Offset Measures Plan (CHR&OMP)

- a) NGTL must file with the Commission for approval, at least 60 days prior to commencing construction of the Section 52 Pipeline and Related Facilities, a revised version of the CHR&OMP. The updated version of the CHR&OMP is to include a summary of consultation with any interested Indigenous peoples who are potentially affected by the Project and who expressed an interest in participating to confirm that all caribou-specific Indigenous knowledge that has been provided has been reflected. The revised CHR&OMP will include:
 - i. a revision log of the updates made and the reference where the updates can be found in the revised document;
 - ii. a summary of caribou-specific Indigenous knowledge, comments and concerns received from Indigenous communities and the reference where the updates can be found in the revised document. In its summary, NGTL must provide a description and justification for how it has incorporated the results of its consultation, including any recommendations from those consulted, into the CHR&OMP;

- iii. a description of what type of offsetting measures will be taken outside of the Project area, in addition to the restoration measures along the pipeline, to address the total amount of caribou habitat disturbance of the Project, and, in a manner consistent with the Recovery Strategy for the Woodland Caribou (*Rangifer tarandus caribou*), Boreal population, in Canada. This must include the anticipated timeframe for when the offset lands will be identified and remediation will commence and a schedule that illustrates how the offsets would be implemented. Specifically, NGTL must ensure that it implements an amount of on-the-ground offsetting measures, as defined in the Recovery Strategy, for restoration of legacy footprint:
 - a. within the Chinchaga Caribou Range, that will achieve (post-offset) a minimum amount of 183 hectares of new, undisturbed habitat consistent with the definition in the Federal Recovery Strategy; and,
 - b. within the Red Earth Caribou Range, that will achieve (post-offset) a minimum amount of 603 hectares of new, undisturbed habitat consistent with the definition in the Federal Recovery Strategy; and,
 - iv. NGTL must consult with the Government of Alberta, or provide a rationale as to why consultation was not possible.
- b) NGTL must also provide a copy of the revised plan to all Indigenous peoples who have expressed an interest in receiving a copy, and to Environment and Climate Change Canada and to all appropriate provincial authorities; and NGTL must, within 7 days of the filing described in paragraph a), provide confirmation to the Commission that it has provided those copies.

ISSUED in Calgary, Alberta on 7 May 2021.

THE COMMISSION OF THE CANADA ENERGY REGULATOR

Signed by

Jean-Denis Charlebois
Secretary of the Commission

SCHEDULE A**Canada Energy Regulator Certificate GC-131**

NOVA Gas Transmission Ltd.
Application dated 4 April 2019
assessed pursuant to Section 52 of the *National Energy Board Act*

NGTL North Corridor Expansion Project
File OF-Fac-Gas-N081-2019-02 02

Pipeline Specifications - Northwest Mainline Area - Bear Canyon North Extension

Project Type	New construction
Location (endpoints)	Between valves NW35 and NW51
Approximate Length	Line pipe: 24 km Heavy wall pipe: 1 km
Outside Diameter	NPS 36 (914 mm)
Minimum Wall Thickness	Line pipe: 10.0 mm Heavy wall pipe: 13.3 mm
Pipe Material	Carbon steel
Pipe Material Standard	CSA Z245.1
Pipe Grade	483
External Coating Type	Fusion-bonded epoxy (FBE), liquid applied coating for field girth welds, additional mechanical protection system for angular backfill material, abrasion-resistant coating for installation methods that could cause abrasion to the coating.
Maximum Operating Pressure	8,450 kPa
Product	Non-sour natural gas

SCHEDULE A (cont'd)
Canada Energy Regulator Certificate GC-131

Pipeline Specifications - North Central Corridor Area - North Star Section 2

Project Type	New construction
Location (endpoints)	Between valves NCCA100 and NCCA90
Approximate Length	24 km
Outside Diameter	NPS 48 (1,219 mm)
Minimum Wall Thickness	Line pipe: 15.7 mm Heavy wall pipe: 20.9 mm
Pipe Material	Carbon steel
Pipe Material Standard	CSA Z245.1
Pipe Grade	483
External Coating Type	Fusion-bonded epoxy (FBE), liquid applied coating for field girth welds, additional mechanical protection system for angular backfill material, abrasion-resistant coating for installation methods that could cause abrasion to the coating.
Maximum Operating Pressure	9,930 kPa
Product	Non-sour natural gas

SCHEDULE A (cont'd)
Canada Energy Regulator Certificate GC-131

Pipeline Specifications - North Central Corridor Area – Red Earth Section 3

Project Type	New construction
Location (endpoints)	Between valves NCCA40 and NCCA30
Approximate Length	32 km
Outside Diameter	NPS 48 (1,219 mm)
Minimum Wall Thickness	Line pipe: 15.7 mm Heavy wall pipe: 20.9 mm Heavy wall pipe (trenchless): 25.4 mm
Pipe Material	Carbon steel
Pipe Material Standard	CSA Z245.1
Pipe Grade	483
External Coating Type	Fusion-bonded epoxy (FBE), liquid applied coating for field girth welds, additional mechanical protection system for angular backfill material, abrasion-resistant coating for installation methods that could cause abrasion to the coating.
Maximum Operating Pressure	9,930 kPa
Product	Non-sour natural gas