

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
<b>Certificate GC-134</b>									
1	Canada Energy Regulator (CER or Commission)	Certificate Conditions	<b>1. Condition compliance</b> NGTL must comply with all conditions contained in this Certificate, unless the Commission otherwise directs.	Certificate GC-134 Condition 1	C22329	In Progress	All Project Phases		Project Manager(s)
2	CER	Certificate Conditions	<b>2. Design, location, construction, and operation</b> NGTL must cause the approved Project to be designed, located, constructed, and operated in accordance with the specifications, standards, commitments made and other information referred to in its Application or in its related submissions.	Certificate GC-134 Condition 2	C22329	In Progress	All Project Phases		<ul style="list-style-type: none"> <li>Project Manager(s)</li> <li>Construction Management</li> </ul>
3	CER	Certificate Conditions	<b>3. Environmental Protection</b> NGTL must 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.	Certificate GC-134 Condition 3	C22329	In Progress	All Project Phases		Environmental Permitting and Planning
4	CER	Certificate Conditions	<b>4. Greenhouse gas (GHG) Emissions Mitigation Measures Plan – Project construction</b> NGTL must file with the CER, at least <b>90 days prior to commencing construction</b> , a GHG Emissions Mitigation Measures Plan for the direct GHG emissions generated from Project construction (including all temporary activities and RoW preparation). The Plan must include: a) measures that will be implemented to salvage timber, including a description of how much timber will be salvaged during construction; b) a discussion of all possible mitigation measures, including offset measures, considered to reduce GHG emissions during the construction phase; c) a rationale for not selecting any of the mitigation measures, including offset measures identified in part b); d) a description of mitigation and any offset measures (e.g., carbon capture and storage, corporate-level initiatives or actions, etc.) selected for minimizing direct GHG emissions generated from Project construction, and the rationale for selecting these measures; and e) a description of how NGTL has considered the guidance in the most recent version of Environment and Climate Change Canada’s Strategic Assessment of Climate Change document in the identification of any offset measures.	Certificate GC-134 Condition 4	C22329	<del>In Progress</del> Completed	Pre-Construction	Condition 4 was filed on December 6, 2022 (C22394). Relief to the 90-day pre-construction filing timing was requested <u>and was approved by the Commission on February 1, 2023 (C23142)</u> .	Environmental Permitting and Planning

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5	CER	Certificate Conditions	<p><b>5. Updated site-specific geohazards</b> NGTL must file with the CER, <b>at least 60 days prior to commencing construction</b>, updated tables containing the identified geohazard locations for the Project. The updated version of these tables is to include revisions as engineering progresses through detailed design, and must include the following:</p> <ul style="list-style-type: none"> <li>a) the name of the Project component;</li> <li>b) the geohazard identifier;</li> <li>c) the unique location identifier;</li> <li>d) the associated KP range;</li> <li>e) the hazard type;</li> <li>f) the unmitigated hazard rating;</li> <li>g) the recommended mitigation (if applicable);</li> <li>h) the mitigated hazard rating (if applicable); and</li> <li>i) the final design depth of cover.</li> </ul>	Certificate GC-134 Condition 5	C22329	Completed	Pre-Construction	Condition 5 was filed on December 15, 2022 (C22552).	Project Engineering
6	CER	Certificate Conditions	<p><b>6. Seismic assessment</b> NGTL must file with the CER, <b>at least 60 days prior to commencing construction</b>, an updated seismic hazard assessment for the Lundbreck Section and any other section where Natural Resources Canada's updated seismic hazard model might have an impact on the previous assessment. The update should confirm that NGTL has implemented the latest national probabilistic seismic hazard model produced by Natural Resources Canada and should highlight any changes to the Project.</p>	Certificate GC-134 Condition 6	C22329	Completed	Pre-Construction	Condition 6 was filed on December 16, 2022 (C22580).	Project Engineering
7	CER	Certificate Conditions	<p><b>7. Updated Environmental Protection Plan</b></p> <p>a) NGTL must file with the CER, <b>at least 60 days prior to commencing construction</b> on each approved Project component, for Commission approval, an updated Environmental Protection Plan (EPP) specific to the Project. The updated version of the EPP is to include revisions based on evidence and commitments provided during the hearing process. The updated EPP must include the following:</p> <ul style="list-style-type: none"> <li>i. environmental protection procedures (including site-specific plans), criteria for implementing these procedures, mitigation measures and monitoring applicable to all Project phases and activities;</li> <li>ii. any updates to contingency plans and management plans;</li> <li>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;</li> <li>iv. all specific mitigation related to species at risk and their habitat, including Key Wildlife and Biodiversity</li> </ul>	Certificate GC-134 Condition 7	C22329	<del>In Progress</del> Completed	Pre-Construction	<p>EPPs were filed on December 9, 2022 (C22473) for the:</p> <ul style="list-style-type: none"> <li>• Western Alberta System (WAS) Mainline Loop No. 2 – Turner Valley Section (Turner Valley Section)</li> <li>• WAS Mainline Loop No. 2 – Longview Section (Longview Section)</li> <li>• WAS Mainline Loop No. 2 – Lundbreck Section (Lundbreck Section)</li> </ul> <p>In accordance with 7 b) NGTL confirms a copy of the filing was sent to all Indigenous peoples who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on December 12, 2021 (C22490).</p> <p><u>Commission approval was received on February 7, 2023 (C23214).</u></p>	<ul style="list-style-type: none"> <li>• Project Manager(s)</li> <li>• Construction Management</li> <li>• Environmental Permitting and Planning</li> <li>• Indigenous Relations</li> </ul>

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			<p>Zones, Grizzly Bear Core Recovery Zones and Grizzly Bear Support Zones;</p> <p>v. updated watercourse crossing inventory tables;</p> <p>vi. updated environmental alignment sheets;</p> <p>vii. evidence demonstrating that consultation took place with relevant government authorities, where applicable; and</p> <p>viii. 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.</p> <p>b) NGTL must also provide a copy of the updated EPP to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, <b>within 7 days of the filing in a)</b>, provide confirmation to the CER that it provided those copies.</p>						
8	CER	Certificate Conditions	<p><b>8. Construction Emergency Response Plan</b></p> <p>a) NGTL must file with the CER, <b>at least 60 days prior to commencing construction</b>, on each approved Project component, the Project-specific emergency response plan (<b>ERP</b>) that will be implemented during the construction phase of the Project. 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. This plan should also include areas of unique risk (e.g., Eden Valley).</p> <p>b) NGTL must also provide a copy of the ERP to all Indigenous peoples and landowners who have expressed an interest in receiving a copy; and NGTL must, <b>within 7 days of the filing in a)</b>, provide confirmation to the CER that it provided those copies.</p>	Certificate GC-134 Condition 8	C22329	Completed	Pre-Construction	<p>ERPs were sent by email and condition 8 was filed on January 10, 2023 (C22766) for the:</p> <ul style="list-style-type: none"> <li>• Turner Valley Section</li> <li>• Longview Section</li> <li>• Lundbreck Section</li> </ul> <p>Relief to the 60-day pre-construction filing timing was requested and approved by the CER on January 24, 2023 (C22968).</p> <p>In accordance with 8 b) NGTL confirms that it sent a redacted copy of the filing to the Indigenous groups and landowners who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on January 13, 2023 (C22818).</p>	<ul style="list-style-type: none"> <li>• Emergency Management</li> <li>• Safety Representative</li> </ul>

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9	CER	Certificate Conditions	<p><b>9. Emergency Management Continuing Education Program</b></p> <p>a) NGTL must file with the CER, <b>at least 60 days prior to commencing construction</b>, a Project-specific plan (<b>Plan</b>) for the development of a continuing education program for the Project (<b>Program</b>) that would be incorporated into the broader continuing education program required by section 35 of the <i>Canadian Energy Regulator Onshore Pipeline Regulations (SOR/2020-50)</i>.</p> <p>The Plan must include:</p> <ul style="list-style-type: none"> <li>i. a list of potentially affected Indigenous peoples, first responders (for example, police, fire departments, medical facilities), and any other appropriate organizations, government authorities, landowners and agencies (for example, municipalities) that have been identified for consultation and the results of consultation to date;</li> <li>ii. the goals, principles and objectives for consultation for the development of the Program;</li> <li>iii. a description of how information provided by potentially affected Indigenous peoples, first responders or any other appropriate organizations, government authorities and 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;</li> <li>iv. a description of how Program information will 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</li> <li>v. a summary of the information to be included in the Program, including:             <ul style="list-style-type: none"> <li>1. potential emergency situations involving the Project;</li> <li>2. the safety procedures to be followed in the case of an emergency including how egress route(s) and alternatives (if the main egress route is unavailable as a result of the emergency) will be determined and communicated;</li> <li>3. a description of how NGTL will conduct annual testing of emergency contact information, including with Indigenous peoples, and how</li> </ul> </li> </ul>	Certificate GC-134 Condition 9	C22329	Completed	Pre-Construction	<p>Condition 9 was filed on December 16, 2022 (C22581).</p> <p>In accordance with 9 b) NGTL confirms a copy of the filing was sent to all Indigenous peoples who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on December 12, 2021 (C22650).</p>	Emergency Management

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			<p>NGTL will ensure the community being contacted has up-to-date company emergency contact information as well;</p> <p>4. the methods by which potentially affected Indigenous peoples, first responders, and any other appropriate organizations, government authorities and agencies can contact NGTL in an emergency; and</p> <p>5. 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.</p> <p>b) NGTL must also provide a copy of the plan to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, <b>within 7 days of the filing in a)</b>, provide confirmation to the CER that it provided those copies.</p>						
10	CER	Certificate Conditions	<p><b>10. Employment, contracting, procurement, and training update</b></p> <p>a) NGTL must file with the CER <b>at least 60 days prior to commencing construction, for Commission approval</b>, an update on employment, contracting and procurement, carried out prior to the start of construction, that includes:</p> <p>i. a summary of NGTL's engagement efforts, including those performed by its Prime Contractor(s), with Indigenous peoples, as well as local, regional, community, and industry groups or representatives, and other diverse groups of people, regarding potential employment, contracting, and procurement opportunities on the Project for self-identified Indigenous peoples, women, or other diverse groups of people;</p> <p>ii. a description of the anticipated opportunities for employment, contracting and procurement for the Project, including for self-identified Indigenous peoples, women, other diverse groups of people, and local individuals and/or businesses;</p> <p>iii. a description of the measures NGTL will use to ensure self-identified Indigenous peoples, women, other diverse groups of people, and local individuals and/or businesses can take advantage of these employment, contracting and procurement opportunities, including diversity and cultural inclusion measures specific to employment, contracting and procurement opportunities for Indigenous peoples; and</p> <p>iv. a description of the oversight measures NGTL will use to ensure that its Prime Contractor(s) are</p>	Certificate GC-134 Condition 10	C22329	In Progress Completed	Pre-Construction	<p>Condition 10 was filed on December 16, 2022 (C22587).</p> <p>In accordance with 10 c) NGTL confirms a copy of the filing was sent to all those who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on December 21, 2021 (C22651).</p> <p><u>On February 14, 2023 Commission approval was received in relation to Part a) ii), iii) and iv) of Condition 10 and accepted the submission made in relation to Part b) ii) and iii) of Condition 10. The Commission also granted relief under Condition 1 of Certificate GC-134 from the timing requirement set out in Condition 10 Part a) i) and Part b) i) (C23274).</u></p> <p><u>On March 10, 2023 NGTL filed a supplemental filing to address Part a) i) and Part b) i) of Condition 10 (C23603). In accordance with Condition 10 c) NGTL confirms a copy of the filing was sent to all those who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on March 15, 2023 (C23650). Commission approval for the supplemental filing was received on May 8, 2023 (C24432).</u></p>	<ul style="list-style-type: none"> <li>Indigenous Relations Business Engagement (IRBE)</li> <li>Community Relations</li> </ul>

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			<p>adhering to NGTL's Equal Employment Opportunity and Non-Discrimination Policy, its Supplier Diversity and Local Participation Policy, as well as any other policies and procedures that encourage safety, responsibility, integrity, diversity, inclusion and fair employment, including cultural sensitivity training informed by, where possible, local Indigenous community trainers or resources that is specific to Indigenous Peoples, to be provided to project workers, to foster the well-being of NGTL's workers and nearby communities, and Indigenous peoples.</p> <p>b) NGTL must also file with the CER <b>at least 60 days prior to commencing construction</b>, an update on training, carried out prior to the start of construction, that includes:</p> <ul style="list-style-type: none"> <li>i. a summary of NGTL's engagement efforts, including those performed by its Prime Contractor(s), with Indigenous peoples, as well as local, regional, community, and industry groups or representatives, and other diverse groups of people, regarding potential training opportunities on the Project for self-identified Indigenous peoples, women, or other diverse groups of people;</li> <li>ii. a description of the anticipated opportunities for training for the Project, including for self-identified Indigenous peoples, women, other diverse groups of people, and local individuals and/or businesses; and</li> <li>iii. a description of the measures NGTL will use to ensure self-identified Indigenous peoples, women, other diverse groups of people, and local individuals and/or businesses can take advantage of these training opportunities, including diversity and cultural inclusion measures specific to training opportunities for Indigenous peoples.</li> </ul> <p>c) NGTL must also provide a copy the filing to all those who have expressed an interest in receiving a copy; and NGTL must, <b>within seven days of the filings in a) and b)</b>, provide confirmation to the CER that it provided those copies.</p>						
11	CER	Certificate Conditions	<p><b>11. Socio-Economic Effects Monitoring Plan</b> NGTL must file with the CER, <b>at least 45 days prior to commencing construction, for Commission approval</b>, a plan for monitoring potential adverse socio-economic effects of the Project during construction. The plan must include the following:</p> <ul style="list-style-type: none"> <li>a) the factors or indicators to be monitored;</li> <li>b) the methods and rationale for selecting the factors or indicators;</li> </ul>	Certificate GC-134 Condition 11	C22329	<del>In Progress</del> Completed	Pre-Construction	<p>Condition 11 was filed on December 20, 2022 (C22643). In accordance with 11 h) NGTL confirms a copy of the filing was sent to all Indigenous groups who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on December 21, 2022 (C22652). The SEEMP monitoring reports will be provided to Indigenous groups and other parties, including the CER, who have expressed an interest in receiving a copy. The</p>	Environmental Permitting and Planning

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			<ul style="list-style-type: none"> <li>c) a description of the baseline, pre-construction socio-economic conditions;</li> <li>d) the monitoring methods and schedule;</li> <li>e) a discussion of how mitigation measures will be implemented to address any identified adverse effects, including:               <ul style="list-style-type: none"> <li>i. the criteria or thresholds that will require mitigation measures to be implemented;</li> <li>ii. how monitoring methods and mitigation measures are incorporated into the EPP (Condition 7); and</li> <li>iii. a description of the roles and responsibilities of the construction Prime Contractor(s), subcontractors, and Project assignees for monitoring activities for compliance during construction;</li> </ul> </li> <li>f) a summary of how the results of NGTL's engagement with potentially affected Indigenous peoples, and affected landowners/tenants/land users has been incorporated into this plan and/or the EPP;</li> <li>g) NGTL's plans for regular engagement and reporting on effects during construction with potentially affected Indigenous peoples, communities, local and regional authorities, and service providers; and,</li> <li>h) NGTL must also provide a copy of the plan to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, <b>within 7 days of the filing in a) through g)</b>, provide confirmation to the CER that it provided those copies.</li> </ul>					<p>reports will be provided within three months after the completion of clearing and site preparation activities (first report), within three months after the Project is in-service (second report), and within three months following the completion of final clean-up (final report).</p> <p><u>Commission approval was received on February 10, 2023 (C23243).</u></p> <p><u>The first SEEMP monitoring report, SEEMP Monitoring Report No. 1, was provided to Indigenous groups on July 4, 2023 and other parties, including the CER (C25222) on June 28, 2023.</u></p>	
12	CER	Certificate Conditions	<p><b>12. Construction Monitoring Plan for Indigenous peoples</b></p> <p>a) NGTL must file with the CER, <b>at least 45 days prior to commencing construction</b>, a plan describing the participation of Indigenous peoples in monitoring activities during construction. Activities may include monitoring the Project's potential adverse effects on: the rights of Indigenous peoples; the environment; heritage resources; areas related to traditional land and resource uses; and, areas of cultural significance. The plan must include:</p> <ul style="list-style-type: none"> <li>i. summary of engagement and planning activities undertaken with Indigenous peoples to develop opportunities for their participation in monitoring activities;</li> <li>ii. a description of how the results from its engagement with Indigenous peoples were incorporated into the plan, including existing community based monitoring programs, such as the Piikani Nation Bio-Cultural Monitoring Program, or an explanation as to why any results have not been incorporated;</li> </ul>	Certificate GC-134 Condition 12	C22329	Completed	Pre-Construction	<p>Condition 12 was filed on December 20, 2022 (C22631).</p> <p>In accordance with 12 b) NGTL confirms a copy of the filing was sent to all Indigenous groups who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on December 21, 2022 (C22653).</p>	Indigenous Relations

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			<ul style="list-style-type: none"> <li>iii. a list of Indigenous peoples who have reached an agreement with NGTL to participate as monitors;</li> <li>iv. a description of the anticipated training and participant requirements, including potential certifications for the Indigenous peoples monitors and training on NGTL's Cultural Resources Discovery Contingency Plan;</li> <li>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, such as preconstruction activities (e.g., clearing activities);</li> <li>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</li> <li>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.</li> </ul> <p>b) NGTL must also provide a copy of the plan to those Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, <b>within 7 days of the filing in a)</b>, provide confirmation to the CER that it provided those copies.</p>						
13	CER	Certificate Conditions	<p><b>13. Outstanding Traditional Land and Resource Use investigations</b></p> <p>a) NGTL must file with the CER, <b>at least 45 days prior to commencing construction</b>, a report on any outstanding traditional land and resource use investigations for the Project. The report must include:</p> <ul style="list-style-type: none"> <li>i. a summary of the status of investigations undertaken for the Project, including Indigenous community-specific studies or planned supplemental surveys;</li> <li>ii. a description of how NGTL has integrated, where warranted, incorporated and addressed information from any investigations on which it did not report during the GH-002-2020 hearing process;</li> <li>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;</li> <li>iv. a summary of any outstanding investigations or follow-up activities that will not be completed prior to commencing construction, including an explanation</li> </ul>	Certificate GC-134 Condition 13	C22329	Completed	Pre-Construction	Condition 13 was filed on December 20, 2022 (C22632). In accordance with 13 b) NGTL confirms a copy of the filing was sent to all Indigenous groups who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on December 21, 2022 (C22654).	Indigenous Relations



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			<p>why they are not being completed prior to construction; including an estimated completion date, if applicable;</p> <p>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,</p> <p>vi. a description of how NGTL has incorporated any revisions necessitated by the investigations or follow-up activities into EPP (Condition 7), or, if appropriate, into NGTL lifecycle oversight.</p> <p>b) NGTL must provide a copy of the report to all Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, <b>within 7 days of the filing in a)</b>, provide confirmation to the CER that it provided the copies.</p>						
14	CER	Certificate Conditions	<p><b>14. Acid Rock Drainage Management Plan</b>            NGTL must file with the CER, <b>at least 45 days prior to commencing construction</b>, a Project-specific Acid Rock Drainage Management Plan for the Lundbreck Section that includes:</p> <p>a) NGTL's methods to be followed during construction to verify results of acid rock drainage characterization and engineering assessments regarding the Acid Rock Drainage Management Plan;</p> <p>b) the process outlining material handling steps for confirming acid rock drainage material;</p> <p>c) the decision-making process for selecting mitigation options; and typical drawings and typical specifications for potential mitigation options such as soil covers and rock slope face barriers.</p> <p>Should implementation of the Acid Rock Drainage Management Plan indicate the need for additional mitigation measures, NGTL must:</p> <p>d) implement monitoring activities along the RoW and in temporary workspaces, as developed by a Qualified Professional and based on the circumstances and site-specific conditions at the time of construction;</p> <p>e) identify and implement contingency measures to be applied, as required, should monitoring indicate the selected measures not be sufficient;</p> <p>f) include progress and success of the measures implemented in the Construction Progress Reports (Condition 25); and</p> <p>g) provide evidence of consultation with relevant regulatory authorities regarding the proposed mitigation and any follow-up monitoring in the Post-Construction Environmental Monitoring Reports (Condition 32).</p>	Certificate GC-134 Condition 14  <u>NGTL response to CER 2.1 d)</u>	C22329	Completed	Pre-Construction	Condition 14 was filed on December 28, 2022 (C22697).  <u>Acid Rock Drainage Implementation Plan for the Lundbreck Section was filed June 19, 2023 (C25007)</u>	<ul style="list-style-type: none"> <li>Project Engineering</li> <li>Environmental Permitting and Planning</li> </ul>

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15	CER	Certificate Conditions	<p><b>15. Support for Indigenous peoples to review NGTL filings related to conditions</b></p> <p>NGTL must file with the CER, <b>at least 45 days prior to commencing construction</b>, a capacity-funding report that describes NGTL's support for Indigenous peoples to review NGTL's filings related to conditions. The report should include:</p> <ul style="list-style-type: none"> <li>a) a list of potentially affected Indigenous peoples that were offered capacity funding to support the review of NGTL's condition filings;</li> <li>b) a list of the conditions that potentially affected Indigenous peoples are interested in reviewing; and</li> <li>c) a summary of any outstanding concerns raised by Indigenous peoples regarding NGTL's offer of funding to support review of filings by Indigenous peoples, 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.</li> </ul>	Certificate GC-134 Condition 15	C22329	Completed	Pre-Construction	Condition 15 was filed on December 20, 2022 (C22633).	Indigenous Relations
16	CER	Certificate Conditions	<p><b>16. Engagement report regarding pre-construction harvesting</b></p> <p>NGTL must file with the CER, <b>at least 45 days prior to commencing construction</b>, an engagement report related to pre-construction harvesting by Indigenous peoples. The report should include:</p> <ul style="list-style-type: none"> <li>a) any relevant outcomes of Project-specific engagement activities with Piikani Nation, Nakcowinewak Nation of Canada and Elk Valley Métis Nation and any other Indigenous peoples who have raised an interest in pre-construction harvesting for Traditional and Land and Resource Use purposes on any of the Project components;</li> <li>b) a summary of NGTL's approach to facilitate pre-construction harvesting by Indigenous peoples for the Project comprising: <ul style="list-style-type: none"> <li>i. a summary of any comments and concerns raised by the above-noted Indigenous peoples;</li> <li>ii. a description of how NGTL has addressed or will address the concerns or comments raised;</li> <li>iii. a description of any outstanding concerns;</li> <li>iv. a description of how NGTL intends to address any outstanding concerns, or an explanation as to why no further steps will be taken; and</li> </ul> </li> <li>c) NGTL must also provide a copy of the filing to Piikani Nation, Nakcowinewak Nation of Canada and Elk Valley Métis Nation, if desired, and any other Indigenous peoples who have who have expressed an interest in receiving a copy; and NGTL must, <b>within 7</b></li> </ul>	Certificate GC-134 Condition 16	C22329	Completed	Pre-Construction	Condition 16 was filed on December 20, 2022 (C22635). In accordance with 16 c) NGTL confirms a copy of the filing was sent to Piikani Nation, Nakcowinewak Nation of Canada and Elk Valley Métis Nation, and other Indigenous groups who expressed interest in receiving a copy. Confirmation of service was filed with the CER on December 21, 2022 (C22655).	Indigenous Relations

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			days of the filing in a), provide confirmation to the CER that it provided those copies.						
17	CER	Certificate Conditions	<p><b>17. Rare Ecological Community and Rare Plant Population Management Plan</b></p> <p>NGTL must file with the CER, <b>at least 45 days prior to commencing construction for Commission approval</b>, a Rare Ecological Community and Rare Plant Population Management Plan for the Lundbreck Section that includes rare ecological communities of concern; rare plant populations (i.e., listed as threatened or endangered under federal or provincial legislation for protection or that have a Provincial at-risk status of S1 or S2); and draft, candidate, proposed, or final critical habitat for plant species under the <i>Species at Risk Act</i> that are potentially affected by the Project during construction or operations. The Plan must include the following:</p> <ul style="list-style-type: none"> <li>a) a summary of any supplementary survey results;</li> <li>b) mitigation measures to be implemented during construction, including all relevant measures committed to throughout the GH-002-2020 proceeding, any new mitigation measures resulting from supplementary surveys, detailed criteria using clear and unambiguous language that describes the circumstances under which each measure will be applied, and measurable objectives for evaluating mitigation success;</li> <li>c) a description of how the mitigation hierarchy framework (e.g., avoidance, mitigation, offset) was considered in developing the plan;</li> <li>d) details on post-construction monitoring, including potential corrective measures, and a process for determining under what circumstances measures will be applied;</li> <li>e) a Preliminary Rare Ecological Community and Rare Plant Population Offset Plan for ecological communities and rare plant species that have a Provincial at-risk status of S1 or S2 or that are listed as endangered under federal or provincial legislation for protection that, after five years of operations, have not achieved reclamation success. This preliminary plan must include the following:               <ul style="list-style-type: none"> <li>i. an explanation of how the need for offset measures will be determined and quantified, including offset ratios;</li> <li>ii. the potential offset measures, the process for selecting which will be implemented, and an evaluation of the probability of their success; and</li> <li>iii. a discussion of how the effectiveness of offsets measures will be monitored, assessed, and reported on.</li> </ul> </li> </ul>	Certificate GC-134 Condition 17	C22329	<del>In Progress</del> Completed	Pre-Construction	<p>Condition 17 was filed on December 19, 2022 (C22620).</p> <p><u>Commission approval was received on February 14, 2023 (C23276).</u></p>	Environmental Permitting and Planning

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			f) a summary of NGTL's consultation concerning a) to e) with appropriate government authorities, species experts, and any potentially affected Indigenous peoples, including any issues or concerns raised and how NGTL has addressed or responded to them; g) a description of how NGTL has taken available and applicable Indigenous traditional land use and traditional ecological knowledge into consideration in developing the plans; and h) confirmation that the updated EPP (Condition 7) has been updated to include all relevant information from the Rare Ecological Community and Rare Plant Population Management Plan.						
18	CER	Certificate Conditions	<b>18. Temporary construction camp(s)</b> NGTL must file with the CER, <b>at least 30 days prior to commencing construction:</b> a) confirmation that no temporary construction camp(s) are needed for the Project; or b) in the event that any temporary construction camp(s) are required for the Project, NGTL must provide the following: i. the physical size and location of each camp; a description of the environmental setting; the potential environmental and socio-economic effects, including effects on the rights of Indigenous peoples, from utilizing each camp; and the mitigation measures that will be implemented to address these potential effects; ii. details regarding the integration and accommodation of Indigenous knowledge into the design and operation of each camp; iii. the proposed schedule for constructing, operating and dismantling each camp(s); iv. the proposed method for dismantling the camp and remediating the lands it previously occupied; v. the predicted human occupancy of each camp, including the number of people accommodated at the camp, the number of camp staff, and a summary of the diverse identity factors as referenced by NGTL; vi. a summary of NGTL's engagement activities with the relevant municipalities, regional authorities, and all potentially affected landowners, stakeholders and Indigenous peoples; vii. a description of any issues or concerns raised by municipalities, regional authorities, and all potentially affected landowners, stakeholders and Indigenous peoples; including a list of those who raised issues or concerns; and	Certificate GC-134 Condition 18	C22329	Completed	Pre-Construction	Condition 18 was filed on January 9 <sup>11</sup> , 2023 (C22786), confirming no temporary construction camp(s) were required for the Project.	Project Manager(s)

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			viii. a description of how the issues and concerns identified in v. are addressed in the environment and socio-economic protection plan for the camp(s), or if not addressed, an explanation as to why not.						
19	CER	Certificate Conditions	<b>19. Construction Safety Manual(s)</b> NGTL must file with the CER, <b>at least 30 days prior to commencing construction</b> , confirmation that a Construction Safety Manual(s) pursuant to section 20 of the <i>Canadian Energy Regulator Onshore Pipeline Regulations</i> 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 must be signed by the Accountable Officer of the Company.	Certificate GC-134 Condition 19	C22329	Completed	Pre-Construction	Safety Manual(s) were sent by email and Condition 19 was filed on January 13, 2023 (C22820) for clearing and mainline work on the: <ul style="list-style-type: none"> <li>• Turner Valley Section</li> <li>• Longview Section</li> <li>• Lundbreck Section</li> </ul>	<ul style="list-style-type: none"> <li>• Construction Management</li> <li>• Safety Representative</li> </ul>
20	CER	Certificate Conditions	<b>20. Heritage resource clearances</b> a) NGTL must file with the CER, <b>at least 30 days prior to commencing construction on each approved Project component</b> : 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 for the Project's permanent and temporary land requirements, based on NGTL's understanding of land requirements at the time of filing 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 EPP as a result of conditions, comments, or recommendations referred to in ii. b) NGTL must also provide a copy of this filing to those who have expressed an interest in receiving a copy; and NGTL must, <b>within 7 days of the filing in a)</b> , provide confirmation to the CER that it provided those copies. For additional permanent lands identified during construction, if any, NGTL must obtain the clearances referred to in (a) prior to using those lands.	Certificate GC-134 Condition 20	C22329	Completed	Pre-Construction	Condition 20 was filed on January 13, 2023 (C22821).  In accordance with 20 b) NGTL confirms that it sent a copy of the filing to those who expressed an interest in receiving a copy. Confirmation of service was filed with the CER on January 16, 2023 (C22829).	Environmental Permitting and Planning

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
21	CER	Certificate Conditions	<p><b>21. Construction schedule</b>            NGTL must file with the CER, <b>at least 15 days prior to commencing construction on each approved Project component</b>, a detailed construction schedule(s) identifying major construction activities and must notify the CER of any modifications to the schedule(s) as they occur.</p>	Certificate GC-134 Condition 21	C22329	In Progress	Pre-Construction	Condition 21 was filed on January 26, 2023 (C23013).	Project Manager(s)
22	CER	Certificate Conditions	<p><b>22. Commitments tracking table</b>            NGTL must:</p> <p>a) File with the CER and post on its Project website, <b>at least 15 days prior to commencing construction</b>, a Commitments tracking table listing all commitments made by NGTL, including all commitments made to Indigenous peoples, in its Application, and otherwise made by NGTL on the hearing record, including references to:</p> <ol style="list-style-type: none"> <li>i. the documentation in which the commitment appears (for example, the Application, responses to Information Requests, permit requirements, condition filings, or other);</li> <li>ii. traditional land and resource use information from potentially affected Indigenous peoples;</li> <li>iii. the accountable lead for implementing each commitment; and</li> <li>iv. the estimated timelines associated with the fulfillment of each commitment.</li> </ol> <p>b) Update the status of the commitments in a) on its Project website and file these updates with the CER:</p> <ol style="list-style-type: none"> <li>i. every six months until commencing operations; and</li> <li>ii. every six months until the end of the fifth year following the commencement of operations.</li> </ol> <p>c) Maintain at its Project site during the construction phase of the Project (until the final Leave to Open is issued):</p> <ol style="list-style-type: none"> <li>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;</li> <li>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</li> <li>iii. any subsequent variances to permits, approvals or authorizations in c) ii.</li> </ol>	Certificate GC-134 Condition 22	C22329	In Progress	All Phases	<p>Condition 22 was filed on:</p> <ul style="list-style-type: none"> <li>• <u>January 31, 2023 (C23126).</u></li> </ul>	All Disciplines

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
23	CER	Certificate Conditions	<p><b>23. Authorizations under paragraph 35(2)(b) of the Fisheries Act</b> For any instream activities that may require an authorization under paragraph 35(2)(b) of the <i>Fisheries Act</i>:</p> <p>a) NGTL must file with the CER, <b>at least 14 days prior to commencing the respective instream activities</b>, a copy of the authorization granted under paragraph 35(2)(b) of the <i>Fisheries Act</i>; or</p> <p>b) NGTL must notify the CER, <b>within 30 days after commencing operations</b>, that no authorizations under paragraph 35(2)(b) of the <i>Fisheries Act</i> were required.</p>	Certificate GC-134 Condition 23	C22329	Planned Completed	Construction	<p>NGTL received a letter of application completeness from the Department of Fisheries and Oceans Canada (DFO) on January 17, 2023.</p> <p>An authorization under paragraph 35(2)(b) of the <i>Fisheries Act</i> was issued on January 20, 2023 - is expected to be received by February 6, 2023, for the following watercourses:</p> <ul style="list-style-type: none"> <li>• Turner Valley Section: Threepoint Creek</li> <li>• Longview Section: Pekisko Creek</li> <li>• Lundbreck Section: Tributaries of Rock Creek</li> </ul> <p>NGTL will file a copy of the authorizations pursuant to Condition 23 a) on March 8, 2023 (C23574).</p>	Environmental Permitting and Planning
24	CER	Certificate Conditions	<p><b>24. Breeding bird survey and protection</b> NGTL must file with the CER, <b>every 15 days when NGTL is actively clearing or removing topsoil during the applicable breeding bird restricted activity periods</b>, the following:</p> <p>a) a summary of survey methods, including references to best practices, and confirmation that the survey methods satisfy applicable regulatory requirements;</p> <p>b) the results of the survey(s); and,</p> <p>c) any mitigation implemented, including monitoring as applicable, developed under the direction of a Wildlife Resource Specialist and in accordance with applicable regulatory requirements, to protect any migratory and non-migratory birds and their nests identified in the survey(s), including any birds listed under the <i>Species at Risk Act</i>.</p>	Certificate GC-134 Condition 24	C22329	Planned In Progress	Construction	<p>Condition 24 was filed on:</p> <ul style="list-style-type: none"> <li>• March 16, 2023 (C23668)</li> <li>• March 31, 2023 (C23881)</li> <li>• April 14, 2023 (C24034)</li> <li>• April 28, 2023 (C24297)</li> <li>• June 21, 2023 (C25025)</li> <li>• July 6, 2023 (C25424)</li> <li>• July 21, 2023 (C25611)</li> </ul> <p>NGTL notes no clearing (i.e., no reporting) occurred in May to June 6, 2023.</p>	Environmental Permitting and Planning
25	CER	Certificate Conditions	<p><b>25. Construction progress reports</b> NGTL must file with the CER, <b>by the 16<sup>th</sup> day and by the last day of each month during construction</b>, construction progress reports. The report must include:</p> <p>a) information on the activities carried out during the reporting period;</p> <p>b) any environmental, socio-economic, safety and security issues and issues of non-compliance;</p> <p>c) the measures undertaken for the resolution of each issue and non-compliance; and</p> <p>d) information on safety performance indicator trends, such as, but not limited to:</p>	Certificate GC-134 Condition 25	C22329	Planned In Progress	Construction	<p>Condition 25 was filed on:</p> <ul style="list-style-type: none"> <li>• Filed February 28, 2023 (C23437)</li> <li>• Filed March 16, 2023 (C23670)</li> <li>• Filed March 31, 2023 (C23883)</li> <li>• Filed April 14, 2023 (C24035)</li> <li>• Filed April 28, 2023 (C24298)</li> <li>• Filed May 16, 2023 (C24513)</li> <li>• Filed May 31, 2023 (C24675)</li> <li>• Filed June 16, 2023 (C24981)</li> <li>• Filed June 28, 2023 (C25244)</li> <li>• Filed July 14, 2023 (C25525)</li> </ul>	<ul style="list-style-type: none"> <li>• Construction Management</li> <li>• Environmental Permitting and Planning</li> <li>• Safety Representative</li> </ul>

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			<ul style="list-style-type: none"> <li>i. cumulative total and Contractor recordable injury rates and/or frequency;</li> <li>ii. total and Contractor lost time injury rates and/or frequency,</li> <li>iii. total and Contractor preventable motor vehicle incident rates and/or frequency, and</li> <li>iv. respective benchmarks for all safety performance indicators submitted, as set by NGTL.</li> </ul>					<ul style="list-style-type: none"> <li>• Filed July 31, 2023 (C25703)</li> </ul>	
26	CER	Certificate Conditions	<p><b>26. Post-Construction Monitoring Plan for Indigenous peoples</b></p> <p>a) NGTL must file with the CER, <b>within 45 days after the date NGTL files its first Leave to Open application</b>, a plan describing participation by Indigenous peoples in monitoring activities during post-construction of the Project. Activities may include monitoring the Project's potential adverse effects on: the rights of Indigenous peoples; the environment; heritage resources; areas related to traditional land and resource uses; and areas of cultural significance. The plan must include:</p> <ul style="list-style-type: none"> <li>i. a summary of engagement and planning activities undertaken with Indigenous peoples to develop opportunities for their participation in monitoring activities;</li> <li>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;</li> <li>iii. a list of the Indigenous peoples that have reached agreement with NGTL to participate as monitors;</li> <li>iv. a description of the anticipated training and participant requirements, including potential certifications;</li> <li>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);</li> <li>vi. a description of how NGTL will use the information gathered through the participation of monitors; and</li> <li>vii. a description of how NGTL will provide the information gathered through the participation of monitors to the participating Indigenous community.</li> </ul> <p>b) NGTL must provide a copy of the plan to those Indigenous peoples who have expressed an interest in receiving a copy; and NGTL must, <b>within seven days of the filing in a)</b>, provide confirmation to the CER that it provided those copies.</p>	Certificate GC-134 Condition 26	C22329	Planned	Operations		Indigenous Relations



Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
27	CER	Certificate Conditions	<b>27. Condition compliance by the Accountable Officer</b> <b>Within 30 days of the date that the approved Project is placed in service (i.e., the final Leave to Open has been issued),</b> NGTL must file with the CER 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 must file with the CER details as to why compliance cannot be confirmed. The filing required by this condition must 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 <i>Canadian Energy Regulator Onshore Pipeline Regulations</i> .	Certificate GC-134 Condition 27	C22329	Planned	Operations		Project Manager(s)
28	CER	Certificate Conditions	<b>28. Quantification of construction-related GHG emissions</b> NGTL must file with the CER, <b>within 60 days of commencing operations</b> , a quantitative assessment of the actual GHG emissions directly related to the construction of the Project (including all temporary infrastructure and RoW preparation). The assessment must include: a) the methodology used for the assessment, including the sources of GHG emissions, assumptions, and methods of estimation; b) the total direct GHG emissions generated from Project construction, including emissions generated by vehicles and equipment, land clearing, slash burning and decay; and c) a comparison and discussion of the direct GHG emissions calculated in b) with the predicted emissions in the Application.	Certificate GC-134 Condition 28	C22329	Planned	Operations		Environmental Permitting and Planning
29	CER	Certificate Conditions	<b>29. Employment, contracting, procurement, and training report</b> a) NGTL must file with the CER, <b>within 3 months from the date that the last Project component commences operation</b> , a report on all employment, contracting, procurement, and training since the start of construction for the Project that must include, but is not limited to: i. a summary of NGTL's engagement efforts, including those performed by its Prime Contractor(s), carried out for the Project with self-identified Indigenous peoples, local, regional, community, and industry groups or representatives, and other diverse groups of people regarding potential employment, contracting, and procurement opportunities on the Project; ii. the results of the employment, contracting, and procurement efforts for self-identified Indigenous peoples and/or Indigenous businesses, women, and	Certificate GC-134 Condition 29	C22329	Planned	Operations		<ul style="list-style-type: none"> <li>IRBE</li> <li>Community Relations</li> </ul>

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			<p>local individuals and/or businesses. The results reported must include but not be limited to the following in aggregate:</p> <ul style="list-style-type: none"> <li>the total hours worked and the relevant categories or fields of employment for each of the following: 1) self-identified Indigenous Peoples; 2) women; and 3) local individuals;</li> <li>the total labour spent (based on hourly labour costs and hours worked) for: 1) self-identified Indigenous peoples; 2) women; and 3) local individuals hired;</li> <li>the total value of contracts awarded and the relevant categories or areas of businesses or services for each of the following: 1) self-identified Indigenous Peoples; 2) Indigenous businesses.</li> </ul> <p>iii. a summary of NGTL's engagement efforts, including those performed by its Prime Contractor(s), carried out with self-identified Indigenous peoples, regional, community, and industry groups or representatives, and other diverse groups of people regarding potential training opportunities, including any training needs, identified for the Project; and</p> <p>iv. the results for the Project for training, including a description of how NGTL supported those self-identified Indigenous Peoples and/or Indigenous businesses, women, and local individuals and/or businesses. The results reported must include but not be limited to:</p> <ul style="list-style-type: none"> <li>the type and duration of training provided to: 1) self-identified Indigenous peoples; 2) women; 3) local individuals; 4) Indigenous businesses; and 5) local businesses;</li> <li>the certification or qualification, if any, attained at the completion of the training; and</li> <li>how the training provided addressed training needs identified in a) iii for each of: 1) self-identified Indigenous peoples; 2) women; 3) local individuals; 4) Indigenous businesses; and 5) local businesses.</li> </ul> <p>b) NGTL must also provide a copy of this report to all those who have expressed an interest in receiving a copy; and NGTL must, <b>within seven days of the filing in a)</b>, provide confirmation to the CER that it provided those copies.</p>						
30	CER	Certificate Conditions	<p><b>30. Pipeline Geographic Information Systems (GIS) data</b>            NGTL must file with the CER, <b>within one year of the Project commencing operations</b>, as-built GIS data in the form of Esri® shapefiles. This must include:</p>	Certificate GC-134 Condition 30	C22329	Planned	Operations		Project Engineering

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			<p>a) a file that contains pipeline segment centre lines (with geometry type), where each segment has a 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 the above values of the pipeline change at any point along the length of 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</p> <p>b) a file that depicts point locations and names of compressor stations, terminals, custody transfer meters, and block valves, as applicable.</p> <p>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.</p>						
31	CER	Certificate Conditions	<p><b>31. Net-zero GHG Emissions Plan – Project operations</b>            NGTL must file with the CER, <b>within one year of the Project commencing operations</b>, a Net-zero GHG Emissions Plan outlining its proposed actions to achieve net-zero GHG emissions for the operating Project, including from maintenance activities. The Plan must include the following:</p> <p>a) a description of NGTL's strategies to reduce emissions to achieve net-zero GHG emissions through either Project-specific improvements, or system-wide initiatives at a corporate level, or a mix of Project-specific and system-wide reductions, including how these strategies will be accounted for in achieving net-zero GHG emissions for the Project's operational emissions; and</p> <p>b) a description of how NGTL proposes to update its Plan periodically to reflect any changes to applicable provincial and federal regulations and policies regarding net-zero GHG emissions that apply to the ongoing operations of the Project.</p>	Certificate GC-134 Condition 31	C22329	Planned	Operations		Environmental Permitting and Planning
32	CER	Certificate Conditions	<p><b>32. Post-Construction Environmental Monitoring Reports</b>            a) NGTL must file with the CER, <b>on or before 31 January following each of the first, third, and fifth complete growing seasons after completing final clean-up of the last Project component</b>, a Post-Construction Environmental Monitoring Report that:</p>	Certificate GC-134 Condition 32	C22329	Planned	Operations		Environmental Permitting and Planning

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			<ul style="list-style-type: none"> <li>i. describes the methodology used for monitoring, the criteria established for evaluating success and the results found;</li> <li>ii. identifies any modifications to the criteria established for evaluating reclamation success described in its updated EPPs, as approved by the Commission, and the rationale for any modifications;</li> <li>iii. identifies the issues to be monitored, including unexpected issues that arose during construction, and their locations (for example, on a map or diagram, in a table);</li> <li>iv. describes the current status of the issues (resolved or unresolved), any deviations from Commission-approved plans, and corrective actions undertaken;</li> <li>v. assesses the effectiveness of the mitigation measures, both planned and corrective, applied against the criteria for success;</li> <li>vi. includes a detailed summary of NGTL's consultation undertaken with the appropriate provincial and federal authorities, and affected Indigenous communities, including any feedback received from affected Indigenous communities regarding the effectiveness of the mitigation measures;</li> <li>vii. provides proposed measures and the schedule that NGTL would implement to address ongoing issues or concerns; and</li> <li>viii. includes an evaluation of the effectiveness of access control measures.</li> </ul> <p>The report must include, but is not limited to, information specific to the effectiveness of mitigation applied to minimize adverse effects, including NGTL's mitigation aimed at minimizing contributions to adverse cumulative effects, on the exercise of Section 35 rights, soils, weeds, watercourse crossings, wetlands, rare plants, wildlife and wildlife habitat, and wildlife species at risk and of special concern.</p> <p>b) For areas where Foothills rough fescue grassland was disturbed, in addition to the reporting schedule described above, NGTL must file with the CER, <b>on or before 31 January following the tenth complete growing season after completing final clean-up of the last Project component</b>, a Post-Construction Environmental Monitoring Report that meets the relevant objectives described in part a). This report must also describe where the Foothills rough fescue grassland stands on its trajectory towards the reclamation goals described in the post-construction monitoring reports, describe how the outcomes arising from consultation with Indigenous peoples and other</p>						

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			<p>parties were considered, and provide details on any corrective actions as needed.</p> <p>c) NGTL must also provide a copy of the report to all Indigenous peoples and impacted landowners who have expressed an interest in receiving a copy (through ongoing engagement); and NGTL must, <b>within seven days of the filing in a)</b>, provide confirmation to the CER that it provided those copies.</p>						
33	CER	Certificate Conditions	<p><b>33. Final Rare Ecological Community and Rare Plant Population Offset Plan</b></p> <p>NGTL must file with the CER, <b>on or before 31 January following the fifth complete growing season after completing final clean-up, for Commission approval</b>, a Final Rare Ecological Community and Rare Plant Population Offset Plan for the Lundbreck Section that includes:</p> <p>a) for ecological communities of concern; rare plants; and draft, candidate, proposed, or final critical habitat for plant species under the <i>Species at Risk Act</i>, an evaluation of mitigation success with reference to the measurable objectives outlined in the Rare Ecological Community and Rare Plant Population Management Plan required by Condition 17;</p> <p>b) identification of any residual effects on ecological communities and rare plant species identified in the Rare Ecological Community and Rare Plant Population Management Plan required by Condition 17;</p> <p>c) for the residual effects identified in b), a Final Rare Ecological Community and Rare Plant Population Offset Plan that updates the preliminary plan(s) required by Condition 17, and that also includes details on the amount and type of offsets required, if applicable, and on the offset measures to be implemented, including a timeline for their implementation and monitoring;</p> <p>d) a description of how NGTL has taken available and applicable Indigenous traditional land use and traditional ecological knowledge into consideration; and</p> <p>e) a summary of NGTL's consultation concerning a) to d) with appropriate government authorities, species experts, and any potentially affected communities of Indigenous peoples, including any issues or concerns raised and how NGTL has addressed or responded to them.</p>	Certificate GC-134 Condition 33	C22329	Planned	Operations		Environmental Permitting and Planning
34	CER	Certificate Conditions	<p><b>34. Sunset clause</b></p> <p>This Certificate will expire on <b>1 December 2025</b>, unless construction of the Project has commenced by that date.</p>	Certificate GC-134 Condition 34	C22329	In Progress			

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
35	CER	Certificate Conditions	<b>35. Technical Specification Updates</b> NGTL must file with the CER any technical specification updates for the Project components listed in the Application and AO-001-GC-134 concurrently with its Leave to Open application(s). 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.	Certificate GC-134 Condition 35 AO-001-GC-134	C24656	Planned			<ul style="list-style-type: none"> <li>Project Manager(s)</li> <li>Project Engineering</li> </ul>
<b>Order XG-005-2022</b>									
36	CER	Order Conditions	<b>1. Condition compliance</b> NGTL must comply with all of the conditions contained in this Order, unless the Commission otherwise directs.	Order XG-005-2022 Condition 1	C22333	In Progress	All Project Phases		Project Manager(s)
37	CER	Order Conditions	<b>2. Design, location, construction and operation</b> NGTL must cause the approved Project to be designed, located, constructed, 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-005-2022 Condition 2	C22333	In Progress	All Project Phases		<ul style="list-style-type: none"> <li>Project Manager(s)</li> <li>Construction Management</li> </ul>
38	CER	Order Conditions	<b>3. Environmental protection</b> NGTL must 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-005-2022 Condition 3	C22333	In Progress	All Project Phases		Environmental Permitting and Planning
39	CER	Order Conditions	<b>4. Condition compliance by the Accountable Officer Within 30 days of the date that the approved Project is placed in service (i.e., the final Leave to Open has been issued),</b> NGTL must file with the CER 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 must file with the CER details as to why compliance cannot be confirmed. The filing required by this condition must 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 <i>Canadian Energy Regulator Onshore Pipeline Regulations</i> .	Order XG-005-2022 Condition 4	C22333	In Progress	All Project Phases		Project Manager(s)
40	CER	Order Conditions	<b>5. Sunset clause</b> This Order will expire on <b>5 May 2025</b> , unless construction of the Project has commenced by that date.	Condition 5	C22333	<del>In Progress</del> Completed	All Project Phases		Regulatory
<b>Project Application</b>									
41	CER	Regulatory	NGTL confirms that all activities contemplated under section 214 of the CER Act will not commence until after the CPCN has been issued for the entire Project and after any applicable conditions for the section 214 activities are satisfied.	Application-Section 1.5: Section 214 Activities	C09063	In Progress	All Project Phases		<ul style="list-style-type: none"> <li>Regulatory</li> <li>Project Manager(s)</li> </ul>

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
42	CER	Design Matters	The Project will be designed, constructed and operated in accordance with the requirements of the <i>Onshore Pipeline Regulations (OPR)</i> and <i>Canadian Standards Association (CSA) Z662-19</i> .	Application-Section 1.4: Engineering Design	C09063	In Progress	All Project Phases		<ul style="list-style-type: none"> <li>Project Manager(s)</li> <li>Construction Management</li> </ul>
43	CER	Design Matters	The Project will be designed, constructed and operated in accordance with CSA Z662-19, the OPR and the TC Energy specifications listed in Section 7.2.2.	Application-Section 7: Pipeline	C09063	In Progress	All Project Phases		Project Engineering
44	CER	Design Matters	All TC Energy specifications comply with the OPR and industry codes and standards.	Application-Section 7: Pipeline	C09063	Completed	All Project Phases		Project Engineering
45	CER	Design Matters	All purchased items and contracted services will be obtained from suppliers and contractors of assessed capabilities who have been pre-qualified in accordance with TC Energy's internal supplier management and pre-qualification procedures or have been pre-qualified by a prime contractor to TC Energy. Documentation received for each purchase will be recorded and reviewed by the applicable subject matter expert to ensure they meet Project requirements. Evidence of this review will be retained as part of the permanent Project records.	Application-Section 7: Pipeline	C09063	In Progress	All Project Phases		Project Manager(s)
46	CER	Design Matters	During construction, each prime contractor will be responsible for ensuring the work performed is in accordance with contract documents, Project design, applicable standards, specifications and procedures, and the Project-specific quality plan. TC Energy inspectors will monitor all construction activities to ensure compliance	Application-Section 7: Pipeline	C09063	In Progress	All Project Phases		Construction Management
47	CER	Design Matters	Before purchase order execution, NGTL will identify the preferred inspection agency, and as necessary, the qualified company representative to conduct the inspection.	Application-Section 7: Pipeline	C09063	In Progress	Construction		<ul style="list-style-type: none"> <li>Project Manager(s)</li> <li>Construction Management</li> </ul>
48	CER	Design Matters	The composition of the natural gas to be transported by the Project will meet the specifications listed in NGTL's Tariff	Application-Section 7: Pipeline	C09063	In Progress	All Project Phases		Project Engineering
49	CER	Design Matters	The proposed pipeline sections will generally have a minimum depth of cover of 0.9 m.	Application-Section 7: Pipeline	C09063	In Progress	Construction		Project Engineering
50	CER	Design Matters	Depth of cover will vary in the following circumstances: <ul style="list-style-type: none"> <li>agricultural lands will have a minimum depth of cover of 1.2 m.</li> <li>valve site locations will have a minimum depth of cover of 1.1 m.</li> <li>road crossings will have a minimum depth of cover of 1.5 m.</li> <li>buried utility and foreign pipeline crossings, above or below the pipeline, will have a minimum clearance of 0.3 m.</li> <li>the minimum depth of cover for pipeline crossings of watercourses with defined beds and banks will be 1.8 m. Increased depth of cover might be required at locations where there is a potential for scouring of the watercourse bed. The requirement for increased depth of cover will be</li> </ul>	Application-Section 7: Pipeline	C09063	In Progress	Construction		Project Engineering

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			evaluated as engineering design and construction planning progresses. <ul style="list-style-type: none"> <li>the minimum depth of cover on the Lundbreck Section may be as shallow 0.6 m, as allowed per CSA Z662-19 Section 4.11 and Table 4.9, in sections of ditchline that require rock excavation requiring blasting or comparable means.</li> </ul>						
51	CER	Design Matters	The primary coating for the external surface of the below ground pipe will be fusion-bonded epoxy (FBE). Field girth welds will be protected with a liquid applied coating.	Application-Section 7: Pipeline	C09063	In Progress	Construction		Project Engineering
52	CER	Design Matters	Abrasion-resistant coating will be used where pipe is installed using boring, horizontal directional drill (HDD) or other methods that could cause abrasion to the coating during installation.	Application-Section 7: Pipeline	C09063	In Progress	Construction		Project Engineering
53	CER	Design Matters	Below-ground assembly piping will be protected with a liquid applied coating. Above-ground piping will be primed and painted.	Application-Section 7: Pipeline	C09063	In Progress	Construction		Project Engineering
54	CER	Design Matters	CP test leads will be installed, where required, along the pipeline and at road, foreign pipeline and utility crossings.	Application-Section 7: Pipeline	C09063	In Progress	Construction		Project Engineering
55	CER	Design Matters	The Turner Valley, Longview and Lundbreck Sections of the Project will have a MOP <sup>1</sup> of 8,690 kPa.	Application-Section 7: Pipeline	C09063	In Progress	All Project Phases		Project Engineering
56	CER	Design Matters	Turner Valley Section: In addition, each compressor station will have pressure relief devices (or other suitable protective devices) of sufficient capacity and sensitivity to ensure MOP of the station piping is not exceeded by more than 10%.	Application-Section 7: Pipeline	C09063	In Progress	All Project Phases		Project Engineering
57	CER	Design Matters	Turner Valley, Longview and Lundbreck Section: The existing operation plan is to operate the proposed pipeline and its connecting systems up to a pressure of 5,825 kPa and therefore, there is no possibility of the proposed pipeline to overpressure connecting pipelines with MOP of 5,825 kPa at the spec break locations. However, overpressure protection (pressure-limiting) devices will be installed at spec break locations to accommodate any future change to the operation plan.	Application-Section 7: Pipeline	C09063	In Progress	All Project Phases		Project Engineering
58	CER	Design Matters	Construction access will maximize the use of existing public roads as well as privately owned and maintained all-season and seasonal industry roads. New temporary access to the pipeline section ROWs will be minimized to the greatest extent possible, at this time, it is not anticipated that any new temporary access will be required.	Application-Section 8: Pipeline Construction	C09063	In Progress	All Project Phases		<ul style="list-style-type: none"> <li>Project Engineering</li> <li>Construction Management</li> </ul>
59	CER	Design Matters	NGTL confirms that emergency management during Project construction will be governed by the Project-specific ERPs, and during operations by TC Energy's overarching Emergency Management Corporate Program Manual and related operating procedures.	Application- Section 9: Operations	C09063	In Progress	Construction and Operations		Emergency Management
60	CER	Design Matters	In the event of an emergency TC Energy's comprehensive Emergency Management Program would be activated. TCPL	Application- Section 9: Operations	C09063	In Progress	Operations		Emergency Management

<sup>1</sup> MOP considered the maximum pressure at which a pipeline is qualified to be operated. Also referred to as certified/authorized/granted by the CER as per the Schedule A attached to the pipeline's Order or Certificate.



Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			employees and contractors receive training for emergency events and if there is an incident, will work closely with landowners and impacted persons or groups, as well as authorities and emergency responders to manage the incident.						
61	CER	Design Matters	During the operational phase, TC Energy's Emergency Management team will continue to liaise, collaborate and work with the emergency response agencies (Fire, Police, Emergency Medical Services) in the area through tabletop and field response exercises, and other outreach activities, all in order to be prepared and respond effectively to an incident.	Application- Section 9: Operations	C09063	In Progress	Operations		<ul style="list-style-type: none"> <li>Emergency Management</li> <li>Safety Representative</li> </ul>
62	CER	Design Matters	Security management, during operation, will be governed by TC Energy's Corporate Security Program Manual, Policy, and TC Energy Operating Procedures (TOPs) which adhere to the CSA Z246.1 standard for security management and, subsequently, the OPR.	Application- Section 9: Operations	C09063	In Progress	Operations		<ul style="list-style-type: none"> <li>Emergency Management</li> <li>Safety Representative</li> </ul>
63	CER	Design Matters	TC Energy's Corporate Security Program Manual will govern security management during construction and operations. However, the prime contractor(s) will also be responsible for developing a security management plan for construction and will monitor its effectiveness.	Application- Section 9: Operations	C09063	Completed	Construction and Operations		<ul style="list-style-type: none"> <li>Emergency Management</li> <li>Safety Representative</li> </ul>
64	CER	Land	NGTL confirms that the land acquisition process for the Project will comply with the applicable sections of the CER Act, including sections 321 and 322.	Application-Section 10: Land Matters	C09063	In Progress	Construction		Land Representative
65	CER	Land	Notices pursuant to section 322 of the CER Act will be served on owners of lands proposed to be acquired for the Project, as defined in section 320 of the CER Act.	Application-Section 10: Land Matters	C09063	Completed	Construction		Land Representative
66	CER	Land	NGTL will ensure land rights will be acquired and third-party agreements obtained in advance of the scheduled construction.	Application-Section 10: Land Matters	C09063	In Progress	Pre-Construction		Land Representative
67	CER	Stakeholder Engagement	As the Project progresses, the website will be continually updated with information related to the regulatory process, construction schedule, engagement activities, and other key Project information.	Application-Section 11: Stakeholder Engagement	C09063	In Progress	All Project Phases		Communications
68	Blood Tribe (BT)	Indigenous Relations Matters	TK Report received on September 15, 2020. NGTL is in the process of reviewing the TK Report and will provide a response to Blood Tribe.	Application-Section 12: Indigenous Engagement	C09063	Completed	Pre-Construction	NGTL reviewed the report and on March 25, 2021, NGTL provided its responses and proposed mitigation measures in response to the concerns raised in BT's TK Report.	Indigenous Relations
69	Louis Bull Tribe (LBT)	Indigenous Relations Matters	Upon receipt, the findings of LBT's TK Report will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate.	Application-Section 12: Indigenous Engagement	C09063	Completed	Pre-Construction	NGTL reviewed the report and on November 11, 2021, NGTL provided its responses and proposed mitigation in response to the concerns raised in LBT's TK Report.	Indigenous Relations
70	Métis Nation of Alberta Region 3 (MNAR3)	Indigenous Relations Matters	Upon receipt, the findings of MNAR3's TK Report will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate.	Application-Section 12: Indigenous Engagement	C09063	Completed	Pre-Construction	NGTL reviewed MNAR3's final TK report and on March 25, 2021, NGTL provided MNAR3 NGTL's responses and proposed mitigations in response to the concerns raised in MNAR3's TK Report.	Indigenous Relations

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
71	Piikani Nation (PKN)	Indigenous Relations Matters	Upon receipt, the findings of PKN's TK Report will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate.	Application-Section 12: Indigenous Engagement	C09063	Completed	Pre-Construction	On November 22, 2022, NGTL received confirmation from PKN that the TK Report filed as part of their Written Evidence is PKN's Final TK Report. NGTL reviewed the report and on December 21, 2021, NGTL filed its Reply Evidence, which included NGTL's responses and proposed mitigation in response to the concerns and recommendations raised in PKN's TK Report.	Indigenous Relations
72	Samson Cree Nation (SCN)	Indigenous Relations Matters	Upon receipt, the findings of SCN's TK Report will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate.	Application-Section 12: Indigenous Engagement	C09063	Completed	Pre-Construction	NGTL reviewed the report and on October 18, 2021, NGTL provided its responses and proposed mitigation in response to the concerns raised in SCN's TK Report.	Indigenous Relations
73	Siksika Nation (SN)	Indigenous Relations Matters	TK Report received on September 17, 2020. NGTL is in the process of reviewing the TK Report and will provide a response to SN.	Application-Section 12: Indigenous Engagement	C09063	Completed	Pre-Construction	NGTL reviewed the report and on March 25, 2021, NGTL provided its responses and proposed mitigation in response to the concerns raised in SN's TK Report.	Indigenous Relations
74	Stoney Nakoda Nations (SNN)	Indigenous Relations Matters	Upon receipt, the findings of SNN's TK Report will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate.	Application-Section 12: Indigenous Engagement	C09063	<del>In Progress</del> Completed	Pre-Construction	SNN TK Study fieldwork was completed in September 2022. <del>TK Report anticipated in late 2022/winter 2023.</del> NGTL received SNN's TK Report in April 2023. NGTL reviewed the report and on June 16, 2023, NGTL provided its responses and proposed mitigation in response to the concerns raised in SNN's TK Report.	Indigenous Relations
75	Tsuut'ina Nation (TSN)	Indigenous Relations Matters	NGTL is reviewing the results of TSN's Interim TK Report, and will provide a response with an offer to meet to answer questions or discuss concerns, if any.	Application-Section 12: Indigenous Engagement	C09063	Completed	Pre-Construction	NGTL reviewed the report and on March 25, 2021, NGTL provided its responses and proposed mitigations in response to the concerns raised in TSN's Interim TK Report.	Indigenous Relations

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
<b>Information Requests</b>									
76	CER	Design Matters	Emergency responders will receive a copy of the Project's operational Emergency Response Plan (ERP).	NGTL response to CER 1.1 a) and b)	C10519	Planned	Construction		Project Manager(s)
77	CER	Design Matters	For any area of concern confirmed to pose a moderate or high hazard, mitigation measures such as; preparation of engineered grade plans with required permanent cut/fill slopes, site-specific slope restoration plans, and utilization of heavy wall pipe, will be considered.	NGTL response to CER 2.6- Attachment CER 2.6-1	C12449	Completed	Pre-Construction	Refer to Commitment Number 5. Updated geological hazards were provided to the CER as part of Certificate Condition 5 filed on December 15, 2022 (C22552).	Project Engineering
78	CER	Design Matters	Design drawings will incorporate the findings of the studies where the minimum depth of cover and sag/bend configurations have been established based on the Scour Analysis performed. For areas identified with potential for surface erosion on the right of way, mitigation measures such as; the installation of diversion berms and requirement for site-specific drainage plans, will be considered.	NGTL response to CER 2.6- Attachment CER 2.6-1	C12449	Completed	Construction	Issue for construction drawings (IFC) that incorporate findings from studies pertaining to scour analysis and surface erosion have been developed and intended for construction use.	Project Engineering
79	CER	Design Matters	NGTL also confirms it will file with the CER the final results of the geological hazard assessments as noted in response to CER 2.9.	NGTL response to CER 2.8 b)	C12449	Completed	Construction	NGTL provided a copy of the final Geohazard Assessments for the Turner Valley Section and Longview Section on September 20, 2021 (C15013).	Project Engineering
80	CER	Design Matters	Geohazard assessment reports for the Turner Valley and Longview Sections are being prepared and NGTL will file a copy of the final reports with the CER by September 6, 2021.	NGTL response to CER 2.9 b)	C12449	Completed	Construction	NGTL provided a copy of the final Geohazard Assessments for the Turner Valley Section and Longview Section on September 20, 2021 (C15013).	Project Engineering
81	CER	Design Matters	Lundbreck Section: NGTL will develop and file with the CER prior to construction a mitigation plan to address ARD formation potential for the Lundbreck Section.	NGTL response to CER 2.11 a)	C12449	Completed	Construction	Refer to Commitment Number 14. Certificate Condition 14 was filed on December 28, 2022 (C22697).	Project Engineering
82	CER	Design Matters	NGTL confirms it will file the results of the geological hazard assessments as noted in response to CER 2.9 with the CER.	NGTL response to CER 2.11 a)	C12449	Completed	Pre-Construction	Refer to Commitment Number 5. Updated geological hazards were provided to the CER as part of Certificate Condition 5 was filed on December 15, 2022 (C22552).	Project Engineering
83	CER	Design Matters	Geohazard Mitigation Commitments	NGTL response to CER 3.5 Attachment CER 3.5-1	C14838	In Progress	Construction	Refer to Commitment Number 5. NGTL is planning to implement the recommended geohazard mitigations identified in the updated table, which was filed pursuant to Condition 5 on December 15, 2022 (C22552).	Project Engineering
84	CER	Design Matters	NGTL and the Prime contractor will also perform safety audits to check compliance against the SSSP and ERP.	NGTL response to CER 3.6	C14838	Planned	Construction		<ul style="list-style-type: none"> <li>Construction Management</li> <li>Safety Representative</li> </ul>
85	CER	Design Matters	Egress route option(s) and alternatives (if the main egress route is unavailable as a result of the emergency) will be determined and communicated to the surrounding public, landowners,	NGTL response to CER 3.7	C14838	Planned	Construction		Emergency Management

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			Indigenous communities, and potentially impacted non-NGTL operated facilities by local first responders.						
86	CER	Design Matters	Those sites of concern will be included within TC Energy's IMP for routine inspection activities.	NGTL response to CER 4.2 b)	C17304	In Progress	Construction and Operation		Emergency Management
87	CER	Design Matters	Due to the limited area where a High Geochemical Rating has been identified, NGTL will be able to maintain the construction schedule by prioritizing testing in these areas during construction.	NGTL response to CER 4.4 b)	C17304	In Progress	Construction		<ul style="list-style-type: none"> <li>Construction Management</li> <li>Project Engineering</li> </ul>
88	CER	Design Matters	NGTL will evaluate community input, including traditional knowledge (TK), on a case-by-case basis upon receipt from a community, for potential incorporation into plans such as the Construction emergency response plan, Operational emergency response plans or other relevant documents as appropriate; however, no specific community input regarding those plans has been received to date.	NGTL response to CER 4.5 b)	C17304	In Progress	Construction		Emergency Management
89	CER	Environmental Matters	NGTL has refined the Project schedule to allow for early clearing of vegetation in Q1 2023 on the Longview Section to avoid clearing during the active bat season.	NGTL response to CER 2.26 b)	C12449	<del>Planned</del> Completed	Construction	Project schedule has been revised to reflect early clearing in Q1 2023 (also part of the Final Watercourse Crossing List for the Project filed on January 13, 2022 [C17186]).	Environmental Planning and Permitting
90	CER	Environmental Matters	NGTL confirms that a final Spawning Deterrent Execution and Monitoring Plan will be included in Appendix 1F Management Plans of the EPP that will be updated prior to construction if additional monitoring determines the need to employ spawning deterrents for mitigation.	NGTL response to CER 4.9 b)	C17304	Completed	Pre-Construction	Given no spawning deterrents have been recommended or are included in the Fisheries Act Authorization package, a Spawning Deterrent Execution and Monitoring Plan is not required based on the lack of suitable spawning habitat within the Project footprints.	Environmental Planning and Permitting
91	Livingstone Landowners Group	Environmental Matters	If spawning habitat is found within the LAA, spawning deterrents will be implemented prior to the spring spawning period preceding construction, as required.	NGTL response to LLG 1.11 b)	C13497-6	Completed	Pre-Construction	Given no spawning deterrents have been recommended or are included in the Fisheries Act Authorization package, and given the lack of suitable spawning habitat within the Project footprints there are no spawning deterrents planned on the Projects.	Environmental Planning and Permitting
92	Livingstone Landowners Group	Environmental Matters	NGTL will develop mitigation measures with AEP after a bear den is identified because any mitigation measures developed will be site-specific and need to consider such factors as proximity to the construction footprint, type of construction activity occurring in the area, and line-of-sight. Any mitigation measures developed will consider safety for the bears as well as humans.	NGTL response to LLG 3.9 c)	C13497-6	<del>Planned</del> Completed	Pre-Construction	NGTL's consultant, Stantec, is conducting pre-construction bear den surveys to confirm presence/absence of bear dens on the Turner Valley and Lundbreck Sections. No suitable bear denning habitat exists within 750 m of the Longview Section. <u>No bear dens were identified during the pre-construction bear den surveys.</u>	Environmental Planning and Permitting
93	Livingstone Landowners Group	Environmental Matters	If the Lundbreck Section construction schedule changes and the bat survey identifies active bat roosts, mitigation measures will be developed with AEP at that time and will consider the characteristics of the particular bat roost(s).	NGTL response to LLG 3.10	C13497-6	<del>Planned</del> Completed	Construction	<u>Clearing activities (i.e., tree clearing) was completed in Q1 2023.</u>	Environmental Planning and Permitting
94	Livingstone Landowners Group	Environmental Matters	Owl and raptor nest survey will follow provincial Sensitive Species Inventory Guidelines (ESRD 2013) and will be ground-based.	NGTL response to LLG 3.12 a)	C13497-6	<del>Planned</del> Completed	Construction	<u>Owl and raptor nest survey followed provincial Sensitive Species Inventory Guidelines (ESRD 2013) and were ground-based.</u>	Environmental Planning and Permitting

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
95	CER	Environmental Matters	Construction monitoring, including wetland-specific measures in the EPP, will be accomplished through NGTL's environmental inspection program. Environmental Inspectors will be onsite during pipeline construction to monitor activities for compliance with regulatory commitments and mitigation measures as outlined in the EPP.	NGTL response to CER 2.15 d)	C12449	Planned In progress	Construction	This will be completed by the Environmental Inspection team during construction.	Environmental Planning and Permitting
96	CER	Environmental Matters	NGTL's Post-Construction Monitoring (PCM in Appendix D of the ESA) methods and activities will be followed for compliance with specific reclamation performance expectations and conditions. Wetland monitoring will be conducted as part of the PCM including a comparison of on and off right-of-way conditions.	NGTL response to CER 2.15 d)	C12449	Planned	Post-Construction		Environmental Planning and Permitting
97	CER	Environmental Matters	Where the Project footprint intersects Foothills fescue grasslands, NGTL will seed topsoil disturbances during clean-up and reclamation with an appropriate seed mix, developed in consultation with AEP, using seed of key native species present in the preconstruction landscape.	NGTL response to CER 2.19 a)	C12449	Planned	Construction	This is proposed and has been accepted by AEP as a condition of PNT Clearance for Native Fescue grassland polygons on the Lundbreck Section.	Environmental Planning and Permitting
98	CER	Environmental Matters	Longview Section: Planned outstanding field studies for wildlife consist of a bat roost survey scheduled for Bar U Ranch National Historic Site (BURNHS) lands and adjacent forested lands along Pekisko Creek. The survey will include an early and late season visit during the spring and summer of 2021. Findings from this survey will be filed with the CER, and results will be reviewed and evaluated against mitigation planned for the Project and the outcomes of the ESA. If required, survey results and additional or site-specific mitigation measures will be included in an update to the EPP and EASs prior to construction.	NGTL response to CER 2.20 b)	C12449	Completed	Pre-Construction	Bat roost surveys have been conducted in 2021 and 2022 and findings have helped inform mitigation measures in the EPP.	Environmental Planning and Permitting
99	CER	Environmental Matters	Lundbreck Section: NGTL projects in and adjacent to the Lundbreck Section RAA (i.e., Lundbreck Section, ABC Section and ABC Border Meter Station Expansion) have different in-service dates and consequently different construction timelines; they are also spatially separated. Opportunities to coordinate timing or construction activities have not been identified to date. However, as planning progresses for each project, NGTL will consider what opportunities may be feasible to reduce direct or indirect cumulative effects to wildlife and wildlife habitat during construction and vegetation clearing for these projects.	NGTL response to CER 2.21 b)	C12449	Completed	Pre-Construction and Construction	There is limited temporal overlap of these Projects; no further opportunities beyond mitigation measures planned for each Project have been identified to reduce cumulative effects to wildlife and wildlife habitat.	Environmental Planning and Permitting
100	CER	Environmental Matters	NGTL will notify potentially affected landowners, lessees and nearby residents of the intended Project schedule before the start of construction to avoid or reduce impacts to their operations or activities.	NGTL response to CER 2.22 c)	C12449	Planned Completed	Pre-Construction	<u>Notification was provided prior to construction commencement and NGTL continues to communicate with these parties throughout the course of construction.</u>	Environmental Planning and Permitting
101	CER	Environmental Matters	Throughout the construction phase including reclamation, NGTL will continue to engage with landowners, lessees and nearby residents. Should concerns regarding dust be raised, NGTL will work with residents to identify site-specific mitigations on a case-by-case basis.	NGTL response to CER 2.22 c)	C12449	Planned In progress	Construction		Environmental Planning and Permitting

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
102	CER	Environmental Matters	TC Energy's Leak Detection and Repair (LDAR) Program will be applied to the applicable assets after it goes into operation to manage fugitive emissions.	NGTL response to CER 2.24 a)	C12449	Planned	Operations		Environmental Planning and Permitting
103	CER	Environmental Matters	Once in service, emissions will be quantified annually in accordance with NGTL's established process for tracking GHG emissions which includes fugitive emissions.	NGTL response to CER 2.25 b)	C12449	Planned	Operations		Environmental Planning and Permitting
104	CER	Environmental Matters	Should NGTL rely on actions taken outside of its System, NGTL will develop tracking and accounting mechanisms to ensure that the emissions reductions, avoidances or offsets credited to it and any associated costs are appropriately allocated to NGTL.	NGTL response to CER 2.25 b)	C12449	Planned	Operations	Details with respect to NGTL's plans to achieve net zero emissions by 2050 will be outlined in the Net-zero GHG Emissions Plan - Project operations that will be filed pursuant to Certificate Condition 31.	Environmental Planning and Permitting
105	CER	Environmental Matters	As a part of its decision-making process to identify and assess potential actions to achieve net-zero Project operational emissions by 2050, NGTL will engage with its customers.	NGTL response to CER 2.25 b)	C12449	Planned	Operations	Details with respect to NGTL's plans to achieve net zero emissions by 2050 will be outlined in the Net-zero GHG Emissions Plan - Project operations that will be filed pursuant to Certificate Condition 31.	Environmental Planning and Permitting
106	CER	Environmental Matters	NGTL commits to providing the CER with an update on its planned actions, including the expected intervals for emissions reductions, within one year of the Project being placed into operation and every five years thereafter until net zero emissions for the Project are achieved.	NGTL response to CER 2.25 b)	C12449	Planned	Operations	Details with respect to NGTL's plans to achieve net zero emissions by 2050 will be outlined in the Net-zero GHG Emissions Plan - Project operations that will be filed pursuant to Certificate Condition 31.	Environmental Planning and Permitting
107	CER	Environmental Matters	Longview Section: NGTL will undertake targeted surveys in 2021 to confirm within the BURNHS. In the event that active bat roosts are identified, NGTL will develop appropriate mitigation in consultation with Parks Canada.	NGTL response to CER 2.26 b)	C12449	Completed	Pre-Construction	Additional bat roost surveys were conducted in winter 2021/2022 and summer 2022 to confirm the presence/absence of maternal bat roosts on BURNHS lands. Survey findings have been used to inform mitigation measures contained in Table 1 of the EPP.	Environmental Planning and Permitting
108	CER	Environmental Matters	Should noise concerns be raised, NGTL will work with residents to identify site-specific mitigations on a case-by-case basis.	NGTL response to CER 2.29 b)	C12449	Planned In progress	Construction	At the time of this report, no noise concerns had been raised; however, NGTL will continue to monitor this through the course of construction.	
109	CER	Environmental Matters	Socio-economic mitigation measures listed in Section 13.4 of the ESA will be monitored during construction by Project assignees such as Project Management, Construction Management, Socio-Economic Advisors and Stakeholder Engagement teams. Project assignees for the socio-economic mitigation measures will work directly with the General/Prime Contractors during construction to monitor activities for compliance.	NGTL response to CER 2.30 d)	C12449	In progress	Construction	Details with respect to monitoring and reporting socio-economic effects are outlined in the Socio-economic Effects Monitoring Plan that was filed in response to Certificate Condition 11.	Environmental Planning and Permitting
110	CER	Environmental Matters	Longview Section: NGTL will continue to engage with Parks Canada and will incorporate mitigation to address any additional issues raised by Parks Canada or any other interested or affected stakeholders, as applicable. Where additional or site-specific mitigation measures are warranted, these will be included in an update to the EPP and EAS prior to construction.	NGTL response to CER 2.31 e)	C12449	Completed	Pre-Construction	NGTL has provided a bat habitat enhancement plan as well as a bald eagle nest management plan for Parks Canada to address and mitigate disturbance on wildlife occurrences observed on BURNHS lands. Commitments and mitigation measures have been included in the updated EPP and in the socio-economic commitments tracking list, as applicable.	Environmental Planning and Permitting

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
111	CER	Environmental Matters	NGTL will retain a Wildlife Resource Specialist who is knowledgeable with respect to breeding birds in the Project area to complete breeding bird nest searches as required for the Project and in accordance with the Breeding Bird and Nest Management Plan (BBNMP) in the EPP.	NGTL response to CER 4.7 a)	C17304-1	Planned In progress	Pre-Construction and Construction	As outlined in the BBNMP and as part of NGTL's environmental construction support request for proposal, the successful contractor must have a Qualified Wildlife Resource Specialist who is knowledgeable with respect to breeding birds within the Project area and who will help guide nest search protocols during construction activities. <u>NGTL engaged Qualified Wildlife Resource Specialists to undertake breeding bird nest surveys the results of which have been filed with the CER in accordance with Condition 24.</u>	Environmental Planning and Permitting
112	CER	Environmental Matters	In the event that additional measures to manage and control weeds are deemed warranted based on the outcomes of the pre-construction weed surveys that will be completed in 2022, they will be updated in Table 1 of the EPP and the Environmental Alignment Sheets (EAS) prior to construction.	NGTL response to CER 4.8 b)	C17304-1	Completed	Pre-Construction	Pre-construction weed surveys were conducted in 2022 and findings were used to inform mitigation measures contained in Table 1 of the filed updated Project EPPs.	Environmental Planning and Permitting
113	CER	Environmental Matters	Lundbreck Section: specific seed mixes to be applied in areas of native grassland and thin forest with a native grass understory.	NGTL response to CER 4.10 a)	C17304-1	Planned	Construction	NGTL has developed and plans to reseed areas of native grassland on crown land in with an appropriate seed mix, as agreed upon with AEP, as part of conditions contained within the PNT clearance.	Environmental Planning and Permitting
114	CER	Environmental Matters	Lundbreck Section: any additional site-specific requirements arising from AEP's review of the PNT Clearance Report will be included in the EPP and EAS updated prior to construction.	NGTL response to CER 4.10 a)	C17304-1	Completed	Pre-Construction	AEP's comments and recommendations for PNT Clearance have been used to inform mitigation contained within Table 1 of the filed updated Lundbreck Section EPP.	Environmental Planning and Permitting
115	CER	Environmental Matters	Lundbreck Section: Along the Lundbreck Section, NGTL commits to planting whitebark and limber pine seedlings to replace trees that will be removed during construction.	NGTL response to CER 4.11 b)	C17304-1	Planned	Construction	Whitebark pine and limber pine seedlings will be replanted to replace removed trees as indicated in Table 1 of the filed updated Lundbreck Section EPP.	Environmental Planning and Permitting
116	CER	Environmental Matters	Seed native grassland on Crown land with a native seed mix in accordance with applicable approval(s). Seed native grassland on freehold land with a seed mix based on input from landowners and the availability of seed at the time of reclamation.	NGTL response to CER 4.11 b)	C17304-1	Planned	Construction	NGTL has developed and plans to reseed areas of native grassland on crown land in with an appropriate and approved seed mix as part of conditions contained within the PNT clearance. In addition, NGTL plans to reseed areas of freehold land with an appropriate recommended native seed mix agreed upon by affected landowners.	Environmental Planning and Permitting
117	CER	Environmental Matters	Lundbreck Section: Where applicable Indigenous knowledge is made available to NGTL, it will be integrated in the Rare Ecological Community and Rare Plant Population Management Plan (Commission's Potential Condition 5) 5 and Final Rare Ecological Community and Rare Plant Population Offset Plan (Commission's Potential Condition 28) 6 if these or similar plans are included in the Certificate and Order for the Project, as appropriate.	NGTL response to CER 4.11 b)	C17304-1	Completed	Pre-Construction and Construction	The Rare Plant Plan that was filed in response to Certificate Condition 17 has incorporated relevant traditional knowledge shared to date for the Lundbreck Section. NGTL plans to continue engagement as outlined in this plan and any relevant outcomes will be included in the final plan that will be filed in response to Certificate Condition 33.	Environmental Planning and Permitting
118	Canadian Association of Energy and	Environmental Matters	NGTL will continue monitoring information on clubroot infestations made available through the Government of Alberta	NGTL response to CAEPLA-WPLC 1.23 b)	C13497-2	Planned In progress	Pre-Construction		Environmental Planning and Permitting

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
	Pipeline Landowners Associations (CAEPLA-WPLC), Foothills County and landowners.		(2021), and through ongoing consultation with Foothills County and landowners.						
119	Piikani Nation (PKN)	Environmental Matters	NGTL will record locations of issues identified during construction related to vegetation establishment, general construction footprint conditions, water crossing stability, and reclamation success. This issues list will identify the success of environmental protection measures used during Project construction, and ensure outstanding issues are investigated, resolved, and reported during PCM for the Project.	NGTL response to PKN 1.6	C13497-7	<del>Planned</del> In progress	Construction and Post-Construction		Environmental Planning and Permitting
120	Stoney Nakoda Nations (SNN)	Environmental Matters	In the event that site-specific concerns are identified by Indigenous groups, NGTL will engage with the Indigenous group to identify mitigation options, including potential options to adjust the construction footprint to avoid sensitive sites.	NGTL response to SNN 1.5 f)	C13497-8	In Progress	Pre-Construction and Construction		Indigenous Relations
121	Livingstone Landowners Group	Environmental Matters	Further site-specific mitigation will be developed as required prior to construction based on ongoing environmental, constructability and engineering assessments, as well as engagement with regulators, Indigenous groups and stakeholders. Should updated mitigation be necessary, it will be included in an update to the EPP and EAS prior to construction.	NGTL response to LLG 1.4(2) d)	C13497-6	<del>Planned</del> Completed	Pre-Construction	NGTL has incorporated additional site-specific mitigation measures contained in Table 1 and Table 2 of the Project EPPs for sensitive areas and habitats, as applicable.	Environmental Planning and Permitting
122	Livingstone Landowners Group	Environmental Matters	Lundbreck Section: Spawning surveys in the Lundbreck Section are planned for June 2021 as per NGTL's response to CER IR 2.16 c). Results of the survey will include mapping to show areas of suitable westslope cutthroat trout spawning habitat, and locations of redds or spawning adults, if observed, in the LAA of tributaries of Rock Creek.	NGTL response to LLG 1.11 b)	C13497-6	Completed	Pre-Construction	Spring spawning surveys were conducted in spring of 2021 and 2022. Limited suitable spawning habitat was identified within the Lundbreck Section footprint of WC-002 only in 2021 and none observed in 2022. Although suitable spawning habitat exists within the Lundbreck Section LAA, there has been no observations of spawning activity (spawning fish, redds) in 2021 or 2022.	Environmental Planning and Permitting
123	Livingstone Landowners Group	Environmental Matters	Lundbreck Section: Mitigation measures to reduce effects on whitebark and limber pine will be finalized in consultation with AEP and incorporated into the Environmental Protection Plan (EPP) prior to construction. An updated EPP will be filed with the CER prior to construction.	NGTL response to LLG 2.1 a)	C13497-6	Completed	Pre-Construction	Mitigation measures detailing the protection and regeneration of whitebark pine and limber pine seedlings to replace removed trees is contained in Table 1 of the filed Project EPP.	Environmental Planning and Permitting
124	Livingstone Landowners Group	Environmental Matters	Lundbreck Section: Seeds will be collected from each occurrence of the S1 and S2 plant species listed in Table LLG 2.2-1 when the seeds are mature in summer 2021 or 2022 and the location and micro-habitat of each occurrence recorded. The seeds will be allowed to dry at room temperature and then frozen. After Project construction and reclamation, the seeds will be returned to similar micro-habitats on the reclaimed footprint near the location where they were collected.	NGTL response to LLG 2.2 b)	C13497-6	In Progress	Pre-Construction	Seed collection activities were conducted for native grasses and rare plants and seeds have been dried and are being stored frozen. They will be used for revegetation activities. Details with respect to rare plant mitigation are detailed in the Rare Plant Plan that was filed in response to Certificate Condition 17.	Environmental Planning and Permitting
125	Livingstone Landowners Group	Environmental Matters	Any wildlife trails or other key wildlife features observed during surveys conducted before construction will be recorded for consideration in Project planning.	NGTL response to LLG 3.8 d)	C13497-6	<del>Planned</del> Completed	Pre-Construction	Wildlife surveys of the Lundbreck Section conducted prior to construction will note	Environmental Planning and Permitting



Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
								locations of wildlife trails or other key wildlife features for considerations in Project planning. <u>No additional wildlife trails or other key wildlife features were identified during pre-construction surveys.</u>	
126	Livingstone Landowners Group	Environmental Matters	Protocols that will be followed during the bear den survey for human and bear safety include: working in pairs, carrying bear spray, leaving the area in the event of fresh bear sign, developing a plan for that location if more information is needed, and assuming visual evidence of bear denning activity such as fresh soil piles from digging is an active den.	NGTL response to LLG 3.9 c)	C13497-6	<del>Planned</del> Completed	Pre-Construction	Protocols outlined as part of commitment number 90 will be followed during pre-construction bear den surveys. <u>Protocols outlined as part of commitment number 90 were followed during pre-construction bear den surveys.</u>	Environmental Planning and Permitting
127	Livingstone Landowners Group	Environmental Matters	Lundbreck Section: Although vegetation clearing for the Lundbreck Section is currently proposed outside of the active bat season for the little brown myotis, a bat survey would be undertaken if the clearing schedule changed such that clearing of mature trees were to occur during the active bat season. The bat survey would be carried out at discrete sites in suitable habitat (mature deciduous trees or mixedwood forest; see Section 7.2.2.1 in the ESA for a detailed discussion of preferred roosting habitat) and consist of two separate surveys. The preliminary roost assessment would be carried out in the day time on foot searching for potential roost trees, and evidence of bat activity (e.g., sounds, guano, scrape marks, staining). For large tracts of suitable treed habitat, a transect grid would be walked. The second survey would focus on the identified potential roost trees and would look for evidence of bat activity, use a snake camera and/or thermal camera to look inside cavities, where accessible, and include an acoustic emergence and/or re-entry survey at dusk or dawn using an ultrasonic acoustic recorder.	NGTL response to LLG 3.10	C13497-6	<del>Planned</del> Completed	Pre-Construction	<u>Clearing activities (i.e., tree clearing) was completed in Q1 2023.</u> <u>No roosting bats were identified in or adjacent to the construction footprint during the winter acoustic and hibernacula surveys.</u>	Environmental Planning and Permitting
128	Livingstone Landowners Group	Environmental Matters	NGTL confirms that nest surveys proposed in the Breeding Bird and Nest Management Plan will consider both visual confirmation of a nest and/or observed behavior to identify active and suspected active nests.	NGTL response to LLG 3.11 c)	C13497-6	<del>Planned</del> Completed	Pre-Construction	<u>NGTL confirms that nest surveys proposed in the Breeding Bird and Nest Management Plan considers both visual confirmation of a nest and/or observed behavior to identify active and suspected active nests.</u>	Environmental Planning and Permitting
129	Livingstone Landowners Group	Environmental Matters	NGTL is open to have another meeting with LLG to further discuss the request for review currently in front of the DFO and any documentation LLG is seeking, at LLG's request.	NGTL response to LLG IR No. 2; 1.1	C17303-2	<del>In Progress</del> Completed	Pre-Construction		
130	Livingstone Landowners Group	Environmental Matters	If observed behaviour indicates an active nest is nearby, measures to mitigate potential impacts to the suspected nest will be implemented even if the physical nest location is not directly observed. Specific mitigation to be implemented, if warranted, will be based on site-specific considerations at the time in consultation with a wildlife resource specialist as per Figure 3 of the Breeding Bird and Nest Management Plan.	NGTL response to LLG IR No. 2; 2.4	C17303-2	<del>Planned</del> In progress	Construction	<u>Refer to Commitment Number 128</u>	Environmental Planning and Permitting

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
131	Livingstone Landowners Group	Environmental Matters	This area of the route revision's PDA [route revision section in NE 32-16-2 W5M and NW 33-16-2 W5M] will be surveyed in June 2022 to confirm or correct desktop mapping and to search for plant species of management concern. If potential habitat for plant species of management concern is identified along the re-route, then a second survey will be conducted in late July or August 2022. Results from field surveys conducted in 2022 will be reviewed and evaluated against mitigation for the Project and additional or site-specific mitigation measures will be included in an update to the EPP and Environmental Alignment Sheets (EAS) prior to construction, as required.	NGTL response to LLG IR No. 2; 2.8	C17303-2	Completed	Pre-construction	Surveys were completed in 2022 for this area on the Longview Section and no additional vegetation features were identified that require site-specific mitigation.	Environmental Planning and Permitting
132	Ermineskin Cree Nation (ECN)	Indigenous Relations Matters	Upon receipt of the outstanding final TK Reports, the findings will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate. Additionally, NGTL will provide responses and proposed mitigation measures for any issues or concerns raised by Indigenous groups in the final TK Reports.	NGTL response to CER 2.33 a)	C12449	Completed	Pre-Construction	TK Report for the Project received on September 16, 2022. NGTL reviewed the report and on October 5, 2022, NGTL provided ECN NGTL's responses and proposed mitigation measures in response to the concerns raised in ECN's TK Report.	Indigenous Relations
133	Montana First Nation (MFN)	Indigenous Relations Matters	Upon receipt of the outstanding final TK Reports, the findings will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate. Additionally, NGTL will provide responses and proposed mitigation measures for any issues or concerns raised by Indigenous groups in the final TK Reports.	NGTL response to CER 2.33 a)	C12449	In Progress	Pre-Construction	MFN fieldwork completed in Fall 2021. Final TK Report anticipated late 2022/Winter 2023.	Indigenous Relations
134	Nakcowinewak Nation of Canada (NNC)	Indigenous Relations Matters	Upon receipt of the outstanding final TK Reports, the findings will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate. Additionally, NGTL will provide responses and proposed mitigation measures for any issues or concerns raised by Indigenous groups in the final TK Reports.	NGTL response to CER 2.33 a)	C12449	Completed	Pre-Construction	TK Report received on October 12, 2021. NGTL reviewed the report and on November 10, 2021, NGTL provided its responses and proposed mitigation in response to the concerns raised in NNC's TK Report.	Indigenous Relations
135	TSN	Indigenous Relations Matters	Upon receipt of the outstanding final TK Reports, the findings will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate. Additionally, NGTL will provide responses and proposed mitigation measures for any issues or concerns raised by Indigenous groups in the final TK Reports.	NGTL response to CER 2.33 a)	C12449	In Progress	Pre-Construction	Final TK Report anticipated in late 2022/winter 2023.	Indigenous Relations
136	O'Chiese First Nation (OCFN)	Indigenous Relations Matters	Upon receipt of the outstanding final TK Reports, the findings will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate. Additionally, NGTL will provide responses and proposed mitigation measures for any issues or concerns raised by Indigenous groups in the final TK Reports.	NGTL response to CER 3.9	C14838	Completed	Pre-Construction	On November 11, 2021, OCFN confirmed that OCFN's Written Evidence submission, which was filed on September 2, 2021 as part of the GH-002-2020 hearing process (C14776), was considered OCFN's Final TK Report. NGTL reviewed the report and on December 21, 2021, NGTL filed its Reply Evidence, which included proposed mitigation in response to concerns and recommendations raised in OCFN's TK Report.	Indigenous Relations
137	Driftpile Cree Nation (DCN)	Indigenous Relations Matters	Upon receipt of the outstanding final TK Reports, the findings will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate. Additionally, NGTL will provide responses and proposed mitigation	NGTL response to CER 4.13	C17304	Completed	Pre-Construction	TK Report for the Project received on September 8, 2022. NGTL reviewed the report and on September 26, 2022, NGTL provided DCN NGTL's responses and proposed	Indigenous Relations

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
			measures for any issues or concerns raised by Indigenous groups in the final TK Reports.					mitigation measures in response to the concerns raised in DCN's TK Report.	
138	Foothills Ojibway Society (FOS)	Indigenous Relations Matters	Pending agreement with NGTL on appropriate scope and costs. Upon receipt of the outstanding final TK Reports, the findings will be reviewed in the context of the ESA and considered for incorporation into Project planning, as appropriate. Additionally, NGTL will provide responses and proposed mitigation measures for any issues or concerns raised by Indigenous groups in the final TK Reports.	NGTL response to CER 4.13	C17304	Planned	Pre-Construction	Currently, NGTL does not anticipate completing an agreement with FOS.	Indigenous Relations
<b>Supplemental Filings</b>									
139	Parks Canada	Environmental Matters	Longview Section: Where a certificate of weed analysis cannot be provided for source material on BURNHS, a record of lab analysis will be provided to Parks Canada.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	Planned	Construction	NGTL commits to providing Parks Canada with a certificate of weed analysis, or a lab analysis for any materials (e.g., seed, soil, etc.) imported to the BURNHS lands for the purposes of use in pipeline construction. Commitment included in the filed updated Longview Section EPP.	Environmental Planning and Permitting
140	Parks Canada	Environmental Matters	Longview Section: Parks Canada will be notified of any listed weed infestations or invasive aquatic species found on the construction footprint in BURNHS during construction.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	<del>Planned</del> In progress	Construction	NGTL will notify Parks Canada of weed and/or invasive aquatic species identified, if present, located on BURNHS lands during construction within the Project footprint Commitment included in the filed updated Longview Section EPP.	Environmental Planning and Permitting
141	Parks Canada	Environmental Matters	Longview Section: Parks Canada will be notified if an active nest is found on BURNHS.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	<del>Planned</del> In progress	Construction	NGTL will notify Parks Canada of bird nests identified during construction bird nest sweeps located on BURNHS lands. Commitment included in the filed updated Longview Section EPP.	Environmental Planning and Permitting
142	Parks Canada	Environmental Matters	Longview Section: Clearing or construction activities are scheduled to occur during the active bat season (approximately May 1 to September 30). A bat roost survey will be undertaken in 2021 to identify potential bat roosts and roosting habitat that may be affected by Project clearing and construction activities on BURNHS lands. NGTL will consult with Parks Canada prior to undertaking the survey. Where applicable, based on results from the survey, NGTL will develop a bat roost mitigation plan for the Project in consultation with Parks Canada.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	Completed	Pre-construction	NGTL has fulfilled commitments to complete bat roost surveys in winter of 2021/2022 and summer of 2022 to identify potential bat roosts. Survey results have informed mitigation measures contained within Table 1 of the EPP.	Environmental Planning and Permitting
143	Parks Canada	Environmental Matters	Longview Section: A Project fact sheet that Parks Canada can make available to BURNHS visitors will be provided by NGTL in French and English at the request of Parks Canada.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	<del>Planned</del> Completed	Construction	NGTL commits to providing a Project information brochure to be disseminated by Parks Canada to BURNHS visitors, if requested by Parks Canada, in both official Canadian languages. <u>NGTL provided a Project information brochure to Parks Canada, in both official Canadian languages.</u>	Environmental Planning and Permitting

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
144	Parks Canada	Environmental Matters	Longview Section: NGTL will post signage describing the Project for visitors to BURNHS (if requested) in French and English.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	Planned Completed	Construction	NGTL commits to posting signage on BURNHS lands describing the Project for interested visitors, if requested, in both official Canadian languages. <u>NGTL posted signage on BURNHS lands describing the Project for interested visitors, in both official Canadian languages.</u>	Environmental Planning and Permitting
145	Parks Canada	Environmental Matters	Longview Section: Heritage Resources: Fulfill all requirements for assessment, Indigenous engagement, and mitigation, including construction monitoring issued relative to the Project by Parks Canada.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	Planned In progress	Pre-Construction and Construction	NGTL commits to fulfilling all requirements for archaeological assessment and monitoring as issued to the Project by Parks Canada.	Environmental Planning and Permitting
146	Parks Canada	Environmental Matters	Longview Section: If historical or palaeontological features (e.g., arrow heads, modified bone, pottery fragments, fossils) not previously identified are found on the construction footprint in BURNHS during construction, implement the measures outlined in the Cultural Resource Discovery Contingency Plan (Appendix 1E of the EPP), including immediate contact of Parks Canada archaeologists.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	Planned In progress	Construction	NGTL commits to implement the Cultural Resource Discovery Contingency Plan contained within the Project EPP if palaeontological and/or archaeological features are found, which will include the notification of Parks Canada officials. Commitment included in the filed updated Longview Section EPP.	Environmental Planning and Permitting
147	Parks Canada	Environmental Matters	Longview Section: Immediately contact Parks Canada archaeologists and follow Parks Canada Management Directive 2.3.1 on Human Remains, Cemeteries and Burial Grounds in the event of a chance find of human remains.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	Planned In progress	Construction	NGTL commits to informing Parks Canada of any artifact finds during Historic Resource Impact Assessment activities or chance finds as described under the Cultural Resource Discovery Contingency Plan contained within the Project EPP. Commitment included in updated EPP.	Environmental Planning and Permitting
148	Parks Canada	Environmental Matters	Longview Section: Restore the irrigation ditch (1670R98) to its original contours during reclamation and clean-up.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	Planned	Construction	Commitment included in the updated Table 1 of the filed Longview Section EPP.	Environmental Planning and Permitting
149	Parks Canada	Environmental Matters	Longview Section: Restore the irrigation ditch (1670R98) to its original contours during reclamation and clean-up.	Supplemental Filing No. 4- Attachment 3: BURNHS ESA Update	C12563	Planned	Construction	Commitment included in the updated Table 1 of the filed Longview Section EPP.	Environmental Planning and Permitting
<b>NGTL's Reply Evidence</b>									
149	CER	Environmental Matters	NGTL confirms that nest surveys proposed in the Breeding Bird and Nest Management Plan will consider both visual confirmation of a nest and observed behavior to identify active and suspected active nests. Breeding behaviour includes but is not limited to auditory signs (singing males, alarm calls, defense calls, screeching, begging vocalizations by nestlings), distraction displays, nest defense behaviours (e.g., diving), birds carrying nesting material, food or fecal sacs, and repeated flying towards a specific location.	NGTL Reply Evidence, Section 3.8.5	C16938-1	Completed	Pre-construction	Refer to Commitment Number 1286.	Environmental Planning and Permitting
150	CER	Environmental Matters	Longview Section: NGTL will also undertake winter acoustic surveys and an early winter hibernacula search with Parks Canada biologists in winter 2021/2022 to discern whether bats are overwintering at the Project's Pekisko Creek crossing and/or in buildings at BURNHS.	NGTL Reply Evidence, Section 3.9	C16938-1	Completed	Pre-construction	No roosting bats were identified in or adjacent to the construction footprint during the winter acoustic and hibernacula surveys.	Environmental Planning and Permitting

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (CER Filing ID)	Status	Project Phase	Comments	Accountability
151	CER	Environmental Matters	Longview Section: NGTL will undertake two additional emergence surveys, in July and August 2022, at previously identified potential bat roost sites in the Pekisko Creek area.	NGTL Reply Evidence, Section 3.9	C16938-1	Completed	Pre-construction	Roost Emergence Surveys were completed on July 27 and 28, 2022. No bats were observed emerging from potential roosts, but numerous bats were observed foraging at potential roost sites.	Environmental Planning and Permitting
152	Elk Valley Métis (EVM)	Indigenous Relations Matters	NGTL explained once the TK Report was provided to NGTL, it would review the TK Report and prepare responses and proposed mitigations to address any concerns identified in the TK Report. NGTL also noted it would review the proposed mitigations with EVM and finalize proposed mitigations that are mutually acceptable.	NGTL Reply Evidence, Appendix 2-1	C16938-1	Completed	Pre-Construction	TK Report for the Project received on May 9, 2022. NGTL reviewed the report and on June 2, 2022, NGTL provided EVM NGTL's responses and proposed mitigation measures in response to the concerns raised in EVM's TK Report and offered to meet to review together. NGTL followed up with EVM requesting for input and concerns to the proposed mitigations. EVM was not receptive to NGTL's offers to discuss NGTL's proposed mitigations to their general Project concerns until NGTL addressed other funding requests. NGTL has responded to EVM's other funding requests.	Indigenous Relations