

## **APPENDIX B      CONSULTATION KEY COMMENT AND RESPONSE TABLE**

## Appendix B: Consultation Key Comment and Response Table

**Table B-1: Summary of Agency Key Comments and Responses**

Commenter	Topic	Summary of Key Comments	Responses
Niagara Escarpment Commission (NEC)	Alternatives	NEC requested consideration of alternatives through the Environmental Report. The Ontario Energy Board (OEB) process should be used to demonstrate the NEC criterion: <i>any new or expanded infrastructure in Escarpment Natural Area must be deemed necessary to the public interest after all other alternatives have been considered.</i> Refer to Part 2.12.5 of Niagara Escarpment Plan.	The Environmental Report includes an evaluation of alternatives. Specifically, alternative routes and pipeline installation methods were considered in Project planning and design. Refer to Environmental Report Section 2.3 Project Construction Methods and Section 2.5 Pipeline Route.
NEC	Impact Assessment	NEC requested that negative impacts on the Escarpment environment should be avoided, and opportunities for enhancement of the Escarpment environment should be explored through the Environmental Report.	Negative impacts on the Escarpment environment are assessed in the Environmental Report. Section 4 provides the existing environmental and socio-economic conditions. Section 5 provides the assessment of potential environmental effects and proposed mitigation measures.
NEC	Natural Hazards	NEC requested that the site shall not be prone to natural hazards (including flooding and erosion) and the development shall not impact or exacerbate the control of natural hazards.	Pipeline routing, design, and environmental mitigation planning for the Waterdown to Finch Project (the Project) considered the risk of natural hazards (including flooding and erosion). Environmental Report Section 4.2.2 describes geological hazards and Sections 5.2.1 and 5.2.2 describe potential effects, proposed mitigation measures, and net effects on geological resources. A channel and bank erosion (fluvial geomorphology) assessment will be completed to assess concerns related to channel and bank erosion associated with pipeline watercourse crossings for Conservation Authority permit applications (see Section 1.3.2).
NEC	Impact Assessment	NEC requested an engineering report for areas where construction may impact steep slopes; development should be compatible with the Escarpment environment.	An engineering report for areas where construction may impact steep slopes within the Niagara Escarpment Planning Area will be prepared and submitted to the NEC as part of the Development Permit application for the Project.
NEC	Water	NEC requested that key hydrologic features that will be impacted directly or indirectly by the development are inventoried and the potential impacts are addressed in the Environmental Report (to include avoidance and mitigation measures). Refer to policies 2.6.3 through 5 and 2.6.9 through 12.	Hydrologic features that may be impacted directly or indirectly by the Project were inventoried and potential impacts were assessed in the Environmental Report. Refer to Environmental Report Section 4.2.5 for Surface Water Resources, and to Sections 4.3.3 and 5.3.3 for Fish and Fish Habitat for existing conditions and potential effects assessment and mitigation related to hydrologic features.
NEC	Alternatives - Routing	NEC indicated that the objective is to protect and where possible enhance natural heritage features. Refer to policies 2.7.3 through 9 and 2.7.12.	Pipeline routing has avoided effects on Natural Heritage features within the Niagara Escarpment Planning Area to the extent possible by paralleling the existing Imperial right-of way (ROW) and crossing Provincially Significant Wetlands (PSWs) and watercourses by Horizontal directional drilling where feasible. If effects on Natural Heritage features cannot be avoided, reclamation and mitigation measures will be implemented to minimize effects on Natural Heritage features.
NEC	Impact Assessment	NEC requested that the infrastructure should be designed and located so that the least possible impact occurs on the Escarpment environment. Refer to policies 2.12.1 through 6; NEC requested that efforts should be made during construction to ensure agricultural operations are not negatively impacted and are returned to an agriculture condition following construction. NEC requested that the Environmental Report shall include potential impacts on agriculture including mitigation measures.	Pipeline routing has avoided effects on the Niagara Escarpment to the extent possible by paralleling the existing Imperial ROW.  A Traffic Management Plan and associated mitigation measures will be implemented during construction to avoid or minimize effects on agricultural operations (see Section 7.7). Agricultural areas will be reclaimed to pre-existing condition following construction in consultation with directly affected landowners (see Sections 4.4.2 and 4.4.1).

Commenter	Topic	Summary of Key Comments	Responses
NEC	Vegetation	NEC requested that the vegetation clearing and tree removal should be minimized and native species should be used when replanting. NEC requested that Escarpment landforms are maintained, with cutting and filling minimized and clearly shown on construction drawings. An NEC Development Permit is required if soil or other excavated material need to be disposed of.	Vegetation clearing and tree removal will be minimized where feasible and native species will be used for reclamation of natural areas.  Escarpment landforms will be avoided where feasible and open-cut trenching (cut/fill) will be clearly shown on construction drawings.  An NEC Development Permit will be submitted for the Project. Imperial will notify NEC during construction if soil or other excavated material within the Niagara Escarpment Planning Area need to be disposed of.
NEC	Niagara Escarpment Exemption Letter	NEC reviewed Imperial's geotechnical investigation for the Project and determined that the drilling of boreholes is a permitted use in the Niagara Escarpment Plan and is not in conflict with the <i>Niagara Escarpment Planning and Development Act</i> . The geotechnical investigation was determined to be exempt from NEC Development Permit requirements. NEC requested to be notified prior to geotechnical investigations commencing within NEC jurisdiction.	Imperial notified NEC prior to any geotechnical investigations commencing within NEC jurisdiction.
Ministry of Natural Resources and Forestry (MNRF), Aurora District	Species at Risk	MNRF provided lists of endangered and threatened species at risk (SAR) in addition to evaluated provincially significant wetlands in the study area.  MNRF requested Imperial to assess the impacts of the Project on SAR. MNRF requested the submission of detailed project information compiled in MNRF's Information Gathering Form (IGF). This will include a comprehensive botanical inventory and confirmation of which sensitive areas the pipeline replacement would be accomplished by drilling beneath.  Following completion of fieldwork, request the submission of a report on SAR to the MNRF Aurora office.	Surveys were completed in 2018 and an IGF was submitted to both MNRF districts (Guelph and Aurora) on December 3, 2018, outlining which SAR were identified during field surveys, and if SAR and/or SAR habitats will be impacted by construction activities. The IGF also included the results of a comprehensive botanical inventory.  Confirmation of which sensitive areas will be crossed using trenchless pipeline construction methods (i.e., Horizontal directional drilling (HDD) or Horizontal Directional Boring (bore)) was also provided.
MNRF, Aurora District	Field Survey Methods	<b>Plant Surveys</b> MNRF recommended that a tabular list of identified plant species be provided, with accompanying mapping of the specific locations of all S1 to S3 species and all species with a coefficient of conservatism of 8 to 10.  <b>Breeding Bird Surveys</b> MNRF recommended that upcoming field work include targeted surveys for bobolink and eastern meadowlark using the methodology provided by Guelph District.  <b>Blanding's Turtle</b> In addition to what is currently proposed, MNRF recommended that the Project's team review the methodology for Blanding's turtle surveys in vegetated wetlands, e.g., meadow marshes (see page 7 of MNRF's survey protocol of August 2015) and apply this approach if suitable habitat is present.  <b>Snake Surveys</b> MNRF recommended that the attached protocol be followed for the general snake surveys (visual) and hibernacula surveys. As noted in the protocol, early season surveys for basking snakes near suitable hibernacula can be used to confirm hibernation sites. Although it is unlikely that SAR snakes will be encountered in the study area, the identification of reptile hibernacula is important for the identification of Significant Wildlife Habitat (SWH).  <b>SAR Bats</b> Following identification of candidate maternity roosting habitat that is suitable for species at risk (SAR) bats, it is recommended that the Project's team consult with MNRF to potentially scope sites where acoustic monitoring may be recommended.	<b>Plant Surveys</b> A botanical inventory will be provided to MNRF that lists the COSSARO, COSEWIC, G and S ranks, and coefficient of conservation for all species documented within the right-of-way (ROW). Mapping of S1 to S3 species and all species with a coefficient of conservation of 8 to 10 will also be provided.  <b>Breeding Bird Surveys</b> Breeding bird surveys incorporated bobolink and eastern meadowlark methods provided by MNRF.  <b>Blanding's Turtle</b> No suitable habitat for Blanding's turtle was observed within the ROW. MNRF protocols were incorporated when screening for suitable turtle nesting habitat.  <b>Snake Surveys</b> Any potential snake hibernacula sites were GPS-located and analysed for the potential of SWH.  <b>SAR Bats</b> Bat acoustic work (through the deployment of passive acoustic detectors) was targeted within forested communities within the ROW that may be directly impacted by construction, and were identified as having potentially suitable maternity roosting habitat during previous habitat assessments. Survey locations were provided to MNRF in advance of the survey program as requested. No comments on the survey locations were received from MNRF.

Commenter	Topic	Summary of Key Comments	Responses
MNRF, Guelph District	Species at Risk	<p>MNRF identified two provincially significant wetlands, two Areas of Natural and Scientific interest, and the following (SAR) in the area: Jefferson salamander, Blanding's turtle, barn swallow, bobolink, eastern meadowlark, snapping turtle, and eastern wood pewee.</p> <p>Based on this assessment, the MNRF recommended the completion and submission of an Information Gathering Form (IGF) that includes Blanding's turtle and Jefferson salamander.</p> <p>The MNRF also recommended review of the project eligibility for registration under Section.23.18 (threats to health and safety, not imminent) of Ont. Reg. 242/08. If eligible, a mitigation plan must be prepared for each threatened or endangered species identified on the Notice of Activity form.</p> <p>The MNRF recommended contacting municipalities and the conservation authorities to determine if they have any additional information or records of interest for the study area.</p>	<p>Imperial acknowledges the MNRF's guidance on identified wetlands, Areas of Natural and Scientific Interest, and SAR.</p> <p>Imperial has prepared and submitted an IGF to both MNRF districts (Guelph and Aurora) in December 2018 for their review. All SAR observed on the site are identified within the IGF process, as well as mitigation methods to reduce effects on SAR and SAR habitat.</p> <p>At MNRFs recommendation, Section 23.18 of Ont. Reg. 242/08 was reviewed by Imperial to determine the Projects eligibility for registration. Imperial is currently consulting with the MNRF to determine the most suitable approach for ensuring compliance with the ESA.</p> <p>Imperial has consulted regulatory agencies (including Conservation Halton, Credit Valley Conservation, Hamilton Conservation Authority and Toronto and Region Conservation Authority, and MNRF Guelph and Aurora districts) to obtain background information about the Project's area.</p> <p>A review of natural environmental databases was completed, including:</p> <ul style="list-style-type: none"> <li>■ MNRF's Natural Heritage Information Centre database;</li> <li>■ Atlas of the Breeding Birds of Ontario;</li> <li>■ Fisheries and Oceans Canada aquatic species at risk distribution mapping;</li> <li>■ Ontario Nature's Reptile and Amphibian Atlas;</li> <li>■ Ontario Butterfly Atlas; and</li> <li>■ Land Information Ontario database.</li> </ul> <p>Through aerial interpretation, preliminary ecological land classification (ELC) was completed to understand the ecological communities present. From there, ecosites were assessed along the ROW to determine whether suitable habitat may be present for SAR identified in background phase. This information and background screening informed targeted ecological survey locations.</p> <p>Ecological survey methods and results were presented within the IGF submission to MNRF.</p>
Toronto and Region Conservation Authority (TRCA)	Right-of-way (ROW)/Access Agreement	TRCA requested that Imperial apply for authorization should access, staging, or storage be unavailable in existing corridors.	The pipeline replacement will be located within an existing Imperial-owned ROW and within a new easement within the existing HONI ROW utility corridor. Requests to the TRCA will be submitted if access, staging, or storage is unavailable in these existing corridors. These areas will be agreed upon prior to any use.
TRCA	Impact Assessment	Areas of interest within TRCA should be identified and characterized.	Areas of interest to the Project were identified and characterized in the Environmental Report. Refer to Environmental Report Sections 4.2 (Physical Features) and Section 4.3 (Biophysical Features) for existing conditions and Sections 5.2 and 5.3 for potential effects assessment and mitigation of identified features.
TRCA	Construction Methods	Please indicate pipeline installation methods and methods specific to portions of the pipeline installation that will traverse through environmentally sensitive areas.	<p>Trenchless pipeline construction methods are planned for approximately one-third of the total pipeline length. The remainder will be trenched installation.</p> <p>The proposed construction methods were informed by geotechnical and environmental considerations. Trenchless construction methods were considered for the watercourse and wetland crossings that TRCA identified as environmentally sensitive areas; Berry Creek, West Humber River, Main Humber River, Emery Creek and Black Creek, in the City of Toronto. The pipeline route description is provided in the Environmental Report Table 2.5-1.</p>
TRCA	Fluvial Geomorphology Study	Identify channel and erosion studies (e.g., fluvial geomorphic assessment) to be completed to minimize risk of exposure.	A fluvial geomorphology study will be completed to inform watercourse crossing design, and slope stability, erosion, and sediment control mitigation measures will be included in the Conservation Authority permit applications (see Section 1.3.2).

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TRCA	Watercourse Crossings	Project design should consider early on the potential impacts at crossings at sensitive watercourse and natural areas.	Construction impacts to sensitive watercourses and natural areas will be avoided to the extent possible by employing trenchless construction methods, where feasible, and the implementation of mitigation measures. Refer to section 5.3 and 5.4 of the Environmental Report.
TRCA	Compensation Reclamation & Restoration	Compensation and restoration plans should be in accordance with the final TRCA Guideline for Determining Ecosystem Compensation. Additional opportunities may be sought by TRCA Restoration Projects group.	Compensation and site restoration for the Project will consider the final TRCA Guideline for Determining Ecosystem Compensation. Generally, following pipeline installation, the disturbed area will be restored to natural or pre-construction contours and native topsoil will be replaced over the work space. In natural areas, restoration will include re-seeding. In developed areas, restoration will include leaving the work space in a condition suitable to resume agricultural activity or urban landscaping.
TRCA	Accidents and Malfunctions - Spills	TRCA requires the development of a watershed-based spill response plan, in addition to the identification of the location of an Emergency Spills Response Team within the Greater Toronto Area (GTA) that is equipped to deal with a fuel spill in Lake Ontario. TRCA expects emergency response exercises that include lake-based and wet and severe weather scenarios are conducted and appropriate location of automated shut off valves are provided.	<p>The existing Emergency Response Plan will be updated to incorporate the operation of the replacement pipeline.</p> <p>The location of an Emergency Spills Response Team within the Greater Toronto and Hamilton Area that is equipped to deal with a fuel spill in Lake Ontario will be identified in the Emergency Response Plan.</p> <p>Emergency response exercises will be carried out annually as is done with the current pipeline. These exercises will include wet and severe weather and lake-based scenarios. For example, the exercise conducted in Oct 2018 simulated a spill into the Humber River which feeds into Lake Ontario.</p> <p>The location of automated and manual shut off valves are identified in Table 2.2-1 of Section 2.2 Project Description in the Environmental Report.</p>
TRCA	Excavation/Damage Prevention	Complete an ongoing geohazard risk assessment and monitoring program of both the existing and new pipeline to enable early detection of slope and channel erosion hazards to prevent and remediate future pipeline exposures.	A fluvial geomorphology study is being completed to support pipeline design and will be provided with Conservation Authority permit applications.
TRCA	Alternatives	<p>TRCA has suggested a number of concerns to be addressed for Imperial's alternative assessment. TRCA requires that the preferred alternative considers avoiding, minimizing, mitigating and compensating for impacts to the ecosystem, and to avoid, mitigate or remediate hazards.</p> <p>In order to fulfil requirements of Ontario Regulation 166/06 at the detailed design stage, staff also requires that the preferred alternative meets Living Cities Policy (LCP) policies in Section 8.</p>	An assessment of alternatives is provided in the Environmental Report (refer to Section 2.5.1) and fulfills the requirements of Ontario Regulation 166/06, and meets the spirit and intent of the LCP policies in Section 8. Specifically, the Environmental Report includes existing conditions, effects assessment, cumulative effects assessment, and mitigation planning for slope instability (refer to Environmental Report Section 4.2.2 and 5.2.2 and Attachment 6 of the CA permit application); existing landforms, features and functions (Environmental Report Section 4.2); aquatic and terrestrial habitat and functions, including connectivity (Environmental Report Section 4.2.5 and 4.3); and TRCA property and heritage resources (Environmental Report Section 4.4.8 and 4.4.9). Imperial will submit an application for a Development, Interference with Wetlands, Alterations to Shorelines and Watercourses permit for associated features within TRCA jurisdiction.
TRCA	Consultation	TRCA requests Imperial contact them when key project milestones are reached to ensure TRCA concerns are addressed early in the review process.	<p>The following will be provided to TRCA for review and comment as part of the Environmental Report and Leave to Construct application filing in Q1 2019:</p> <ul style="list-style-type: none"> <li>■ One electronic copy of the draft Environmental Report.</li> <li>■ Records of Consultation, including TRCA meeting agendas, as well meeting minutes, Community Information Session Boards (already posted online on the Project's website), and how TRCA comments have been addressed.</li> <li>■ Electronic copy of the Leave to Construct application.</li> </ul>

Commenter	Topic	Summary of Key Comments	Responses
TRCA	Geotechnical Investigations - General	<p>Questions asked included:</p> <ul style="list-style-type: none"> <li>■ Will the geotechnical investigation require disturbance within a TRCA regulated area?</li> <li>■ Will there be any pump tests associated with boreholes drilled in support of the geotechnical assessment?</li> </ul>	<p>Imperial's geotechnical investigation as currently planned does not require site grading, temporary or permanent fill placement, or vegetation removal within a TRCA regulated area. If this plan changes, Imperial will consult with TRCA regarding environmental protection and mitigation measures.</p> <p>Imperial's geotechnical program includes drilling at approximately 49 locations with installation of temporary monitoring wells (i.e. piezometers) at 14 locations determined by the geotechnical investigation, available access, land owner permission, and local ground conditions. The geotechnical investigation does not include pump tests to assess well performance and capacity, however, it does include the use of the installed monitoring wells to confirm depth to water and to conduct slug tests to estimate the hydraulic conductivity of the geologic material. The latter is determined following standard industry methods and procedures by removing, or adding water, to the monitoring well and measuring the rate groundwater level.</p>
TRCA	Geotechnical Investigations - Planning	<p>Weather forecasts should be checked and schedules made in advance to take advantage of favourable weather. Measures should be in place (i.e., remove all unfixed items) to avoid spills or obstruction of flow should an unexpected storm arise.</p>	<p>Imperial's contractor will monitor the weather several days in advance of the geotechnical investigation to schedule the drilling during favourable weather conditions. Should an unexpected storm arise, Imperial's contractor will remove from the Regional Flood Plain all unfixed items that would have the potential to cause a spill or obstruction of flow.</p>
TRCA	Geotechnical Investigations - Archaeology	<p>Permits are required for access through TRCA property. Archaeological assessments may need to be completed if vehicles or heavy equipment disturb TRCA property.</p>	<p>If access through TRCA property is required, TRCA and the City of Toronto will be consulted for Park Access Permit requirements. Access will remain on existing roads/trails to the extent feasible. If rutting or disturbance to vegetated areas on TRCA property is anticipated as a result of vehicles or heavy equipment, an archaeological assessment of the area will be completed in advance to protect archeological resources from compaction.</p> <p>Imperial has reviewed the use of existing access for the geotechnical investigation with the Ministry of Tourism, Culture and Sport (MTCS) and additional archaeological assessments may be required for access due to the types of drill rigs to be used. A combination of tired and track drill rig units will be used depending on borehole location and surface condition. Generally, tired rigs will be used on built surfaces such as gravel or asphalt; whereas track rigs will be used on natural surfaces such as grassland and agricultural areas. Hollow stem augers will be used, drilling to depths ranging from 10 and 85 m below ground surface.</p>
TRCA	Geotechnical Investigation - Access	<p>TRCA had questions and concerns specific to a number of geotechnical investigation boreholes locations related to access through natural features.</p>	<p>Imperial provided responses to TRCA on August, 2018 to address their access comments and concerns prior to commencing the geotechnical investigation.</p>
CH	Natural Heritage	<p>CH provided comments related to the identification of sensitive habitat and species that must be considered for alternatives, mitigation, and avoidance to minimize potential project-related impacts.</p>	<ul style="list-style-type: none"> <li>■ Ministry of Natural Resources and Forestry (MNRF) guidance has been referred to when undertaking fieldwork and/or recommendations related to natural heritage or natural hazards.</li> <li>■ CH policies (policies 3.51 and 4.6.8, and policy 2.1.2 of PPS, 2014) and guidelines for ecopassages or other measures to facilitate wildlife movement have been considered in mitigation planning for the Environmental Report.</li> <li>■ An Information Gathering Form (IGF) was submitted to both MNRF districts (Guelph and Aurora) in December 2018 for their review. All species at risk (SAR) observed on the site are identified within the IGF process, as well as mitigation methods to reduce effects on SAR and SAR habitat. Refer to Section 5.3.4 of the Environmental Report for an assessment of potential effects on SAR and mitigation.</li> <li>■ Section 5 of the Environmental Report addresses potential impacts to Environmentally Sensitive Areas (ESAs).</li> <li>■ Protection/mitigation measures for natural and semi-natural features to vegetation type are provided in Section 5.3 of the Environmental Report; ecological land classification (ELC) of the Project's area is provided in the IGF.</li> <li>■ CH's Environmental Impact Study Guidelines have been reviewed in developing survey protocols and timing, as well as information on general study requirements and impact assessments. Site Specific Environmental Plans will be provided in the Conservation Authority permit applications.</li> <li>■ Project design will consult the various Conservation Authority guidelines on vegetation clearing and restoration.</li> </ul>

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CH	Fish and Fish Habitat	CH requested fish habitat maps and requested that fisheries setbacks should be applied, as well as compliance with the <i>Fisheries Act</i> , to ensure no serious harm to fish.	<ul style="list-style-type: none"> <li>■ A Fisheries and Oceans Canada (DFO) Request for Review will be submitted and includes detailed descriptions and habitat maps of in-stream and bank habitat features as well as photo documentation of study area.</li> <li>■ Watercourse crossings will be constructed and operated in an environmentally responsible manner while avoiding "serious harm to fish," as defined by DFO.</li> <li>■ 30 m setback from the bank will be applied where possible; however, the site-specific environmental plans (see Attachment 3 of the Conservation Authority permit applications) may suggest alternatives if required.</li> </ul>
CH	Groundwater	Under Groundwater and Stormwater Management/Drainage, CH required completion of hydrogeological studies and a demonstration that quality/quantity/erosion controls are identified in the Environmental Report.	<ul style="list-style-type: none"> <li>■ Section 5.2.4 of the Environmental Report provides an assessment of potential impacts on groundwater quality/quantity and mitigation measures.</li> <li>■ Policy 4.6.9 and policies 2.2.1 and 2.2.2 of the Provincial Policy Statement (PPS), 2014 will be referred to for groundwater assessments.</li> </ul>
CH	Impact Assessment	<p>Other requirements for inclusion in the Environmental Report include:</p> <ul style="list-style-type: none"> <li>■ Following recommendations and requirements outlined in the Sixteen Mile Creek Subwatershed Study and the Grindstone Creek Subwatershed Study;</li> <li>■ Identifying of potential impacts to CH lands including utility relocation;</li> <li>■ Providing sufficient review time, with proposed works and/or alternative works overlain on an aerial photo; a site visit to all proposed watercourse crossing locations;</li> <li>■ Confirming if additional infrastructure/or reconstruction is required;</li> <li>■ A fisheries self-assessment along with written approval from DFO for any work within sensitive habitat, as per <i>Species at Risk Act</i> (SARA);</li> <li>■ Providing all approvals and requirements under the <i>Fisheries Act</i>, <i>Endangered Species Act</i>, and SARA; and</li> <li>■ Ensuring that any vegetation removal takes place outside of the nesting season, pursuant to the <i>Migratory Birds Convention Act</i>.</li> </ul>	<ul style="list-style-type: none"> <li>■ Recommendations and requirements from the CH Sixteen Mile Creek Subwatershed Study and Grindstone Creek Subwatershed Study will be considered during mitigation planning.</li> <li>■ Potential impacts to CH land are identified in the CH permit application along with mitigation measures to avoid impacts, e.g., the use of trenchless construction methods at watercourse crossings to avoid impacts to aquatic species at risk (SAR).</li> <li>■ Imperial's CH permit application will consider the requirements of Ontario Regulation 162/06.</li> <li>■ If requested, site visits to wetland and watercourse crossing locations within CH jurisdiction will be arranged in 2019.</li> <li>■ The Environmental Report will be provided to all Conservation Authorities with sufficient review time.</li> <li>■ In the Environmental Report, Appendix D Ecological Constraints Map provides the replacement pipeline alignment on satellite imagery.</li> <li>■ A DFO Request for Review will be submitted.</li> <li>■ Section 1.3 of the Environmental Report provides regulatory approvals required and includes a listing of the status of submissions and approvals.</li> <li>■ Vegetation/tree removal and ground clearing is expected to occur outside of the active nesting season to avoid upland bird, wetland bird and raptor nests. If activity will occur during the active nesting season, pre-clearing surveys will be conducted to determine the presence of species of concern or the presence of upland bird, wetland bird, and raptor nests.</li> </ul>
Credit Valley Conservation (CVC)	Wetlands, Watercourse Crossings	<p>CVC would like to see consultation with the Ministry of Natural Resources and Forestry (MNRF) for discussion to ensure consistency around permitting and potential effects to wetlands and watercourse crossings.</p> <p>CVC stated preference for trenchless installations for wetlands and, if not, provide an appropriate rationale.</p>	<p>Imperial has confirmed it is consulting with MNRF and NEC to discuss project planning, and avoidance and mitigation measures to wetlands and watercourse crossings. Imperial will ensure that CVC is copied on consultation with the MNRF.</p> <p>Imperial has consulted with the Aurora and Guelph districts of the MNRF to review field survey methods.</p>
Hamilton Conservation Authority (HCA)	Impact Assessment	Maintenance of existing watercourses and surface drainage patterns pre-post pipeline construction.	Mitigation measures to maintain watercourse and surface water drainage patterns are included in the Environmental Report Section 5.2.5 and 5.3.3.
HCA	Wetlands	HCA requested delineation of any previously unidentified wetlands, and maintenance of groundwater flow pattern/volumes and water balance for wetlands.	Previously unidentified wetlands are described in the Environmental Report, Section 4.3.1.2 and Appendix D Ecological Constraints Map. Mitigation measures to maintain groundwater flow pattern/volumes and water balance for wetlands are included in the Environmental Report Section 5.3.1.
HCA	Construction	HCA requested the locations of extra temporary work space areas and material stockpiling during construction.	The location of temporary construction work space/additional temporary work space including material stockpiling will be provided to HCA for review. Refer to Appendix D of the Environmental Report.
HCA	Project Design	HCA requested mitigation measures for watercourses/surface drainage, tree protection, etc., during construction.	Mitigation measures for watercourses/surface drainage, tree protection, etc., are described in sections 5.3 and 5.4 of the Environmental Report.

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HCA	Reclamation and Restoration	HCA requested post-construction restoration and re-vegetation of disturbed areas.	Mitigation measures for post-construction restoration and re-vegetation of disturbed areas are described in the Environmental Report in Section 5.3.1 and Section 7.
Ontario Energy Board (OEB)	Consultation	OEB provided direction on regulatory agencies to consult, and requested Imperial to engage the Ontario Ministry of Energy, Northern Development and Mines (MENDM) – Indigenous Energy Policy for direction on the Crown’s Duty to Consult.	Imperial has engaged regulatory agencies, including those on the Ontario Pipeline Coordinating Committee (OPCC).  Imperial has engaged MENDM – Indigenous Energy Policy to seek the Crown’s direction on the Duty to Consult.  The Crown delegated the procedural aspects of consultation to Imperial and directed Imperial to consult with the Mississaugas of New Credit First Nations, Six Nations**, Huron-Wendat Nation. (** Consult the Six Nations elected council as well as the Haudenosaunee Confederacy Chiefs Council with a copy of correspondence to Haudenosaunee Development Institute.)
OEB	Consultation	OEB provided direction on frequency of Community Information Sessions.	Imperial acknowledged comment and has followed the OEB staff’s recommended guidance to hold two rounds of Community Information Sessions within the communities along the proposed route: <ul style="list-style-type: none"> <li>■ Round 1 held in July 2018: Introduce Project, describe regulatory agencies and approvals, provide information on environmental studies, provide information on construction methods, gather comments and input; and</li> <li>■ Round 2 held in November 2018: Provide additional information on project design, describe details on regulatory approvals, provide information on “What We’ve Heard” and how Imperial has responded, provide information on how comments have influenced the Project’s design changes, provide information on trenchless and trench construction methods.</li> </ul>
Technical Standards and Safety Authority (TSSA)	Deactivation	TSSA inquired on the plan for the existing line once the replacement pipe is installed. Will the old line be removed or left in place?	The existing line will be cleaned, filled with nitrogen and deactivated in-place. Imperial recognizes the congestion of the corridor of other lines and infrastructure, and undertaking deactivation will minimize net environmental impacts.
Ministry of Energy, Northern Development and Mines (MENDM)	Indigenous Duty to Consult	Ontario Crown delegated the procedural aspects of the Duty to Consult to Imperial.	MENDM, as the Ontario Crown, delegated the procedural aspects of the Duty to Consult to Imperial. The Crown provided a list of Indigenous Communities to consult.  Imperial must consult with the Mississaugas of New Credit First Nations, Six Nations**, Huron-Wendat Nation. (** Consult the Six Nations elected council as well as the Haudenosaunee Confederacy Chiefs Council with a copy of correspondence to Haudenosaunee Development Institute).  Imperial will prepare and submit an Indigenous Consultation Report to the Ontario Energy Board (OEB) as part of the Leave to Construct application.
Ministry of Agriculture, Food and Rural Affairs (OMAFRA)	Impact Assessment	Request to conduct an agricultural impact assessment.	The Environmental Report will include an assessment of effects on agricultural lands and soils, and socio-economic effects.  Refer to Environmental Report Section 5.2.3 and Section 5.4.
Ministry of Municipal Affairs (MMA)	Parkway Belt	MMA noted that there does not appear to be concerns with the Project’s compatibility with the Parkway Belt, since the overall objective of the Parkway Belt is to protect linear corridors for the development of transportation, roads, and utility corridors.	Imperial held a teleconference call with MMA planners on November 16, 2018. MMA explained that there does not appear to be concerns with the Project’s compatibility with the Parkway Belt. Imperial explained that project planning has been undertaken to be consistent with the Parkway Belt and Greenbelt policies of Ontario. Environmental Report Section 4.4.1 and 4.4.2 provide a discussion on land-use.
Ministry of Tourism, Culture and Sport (MTCS)	Cultural Heritage Resources and Landscapes	MTCS provided a recommended study area delineation (125 m).	Imperial has completed cultural heritage resource studies of the recommended study area delineation (62.5 m on either side of the centreline). The results of the studies are provided in the Environmental Report Section 4.4.9.



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MTCS	Archaeology	MTCS suggested Indigenous Review of the Stage 1 Archaeological Assessment Report in advance of submission to MTCS.	Imperial offered Indigenous communities opportunity to review and comment on the Stage 1 Archaeological Assessment report in advance of submitting to MTCS. Mississaugas of the New Credit First Nation and Huron-Wendat Nation provided comments that the Stage 1 report is comprehensive and generally well done.
MTCS	Archaeology	Participation of Indigenous Monitors.	Imperial confirmed that Indigenous Monitors are participating in the Stage 2 Archaeological fieldwork.
MTCS	Archaeology	Recommended Horizontal directional drilling (HDD) of the Parsons site to avoid this archaeological area.	Imperial proposes to use trenchless construction methods to avoid the Parsons site and will include consultation with Indigenous communities.
MTCS	Archaeology	MTCS recommended archaeological surveys along HDD sections, including to the top of the bank for drilling under watercourses.  MTCS advised having a soils engineer review geotechnical results to ensure that the HDD path does not slump and create a sinkhole.	Following further discussions with MTCS, Imperial proposes conducting Stage 2 test pitting (5-m grid) of the temporary work space around entry/exit points for HDD. Where temporary work space does not extend 50 m beyond the HDD entry/exit points, above the HDD path, Imperial will conduct test pits linearly at 5-m intervals for up to 50 m.  Imperial will provide MTCS with a memo from civil/geotechnical engineering to support HDD plans to avoid the risk of surface impacts to known sites (i.e., Parsons, Medad, and Emery).
Ministry of Environment, Conservation and Parks (MECP)	Groundwater Surface Water	MECP inquired about how water will be sourced for construction (i.e., drilling and hydrostatic testing).	Imperial responded to comment during meeting with MECP that drilling and hydrostatic testing water sources will be the municipal supply. Water taking is related to groundwater inflows to excavated areas.
MECP	Surface Water	MECP inquired what is the proposed plan for discharge water.	Imperial responded to comment during meeting with MECP that water used for drilling mud would be sent to an approved disposal facility, and the hydrostatic test water would be discharged into the municipal sewage system.
MECP	Water Resources	MECP provided a link to the MECP website with all approved Environmental Compliance Approvals (ECA) mobile third party service providers for discharge associated with construction dewatering.	Imperial will prepare and submit a Water Taking Permit (WTP) application that includes water taking and discharge associated with construction dewatering for submission to MECP.  Imperial will consider the available approved mobile providers and include, as warranted by Project local conditions, schedule and service provider capacity and availability. This will be outlined in the WTP application.
MECP	Groundwater	MECP requested consideration of source protection areas that the Project is crossing.	Responded to comment during meeting with MECP that these will be considered with ongoing project planning and design and outlined within the permit application. Refer to section 5.2.4 of the Environmental Report.
Fisheries and Oceans Canada (DFO)	Watercourse Crossings and Fish and Fish Habitat	DFO Fisheries Protection Branch noted that project proponents must complete a DFO Self-Assessment form to determine if DFO needs to review the Project. Meeting request not required until form submitted.	Imperial outreached to DFO Fisheries Protection Branch to request a meeting to introduce the Project. Imperial is preparing a Request for Review for submission to DFO.
Transport Canada(TC)	Navigation	Comment that under the existing legislation, this Project does not require a TC review/approval under the <i>Navigation Protection Act</i> .	Imperial requested TC to provide a review of the Project's crossing list. TC agreed to complete a pre-screening review in January 2009 of the Project's crossing list (lat/ long and crossing methods) and to provide advice of which, if any, may have potential navigation concerns.
Municipal – Heritage Planners	Cultural Heritage Resources and Landscapes	Municipal Heritage Planners from Hamilton, Burlington, Milton, Oakville, Mississauga and Toronto requested review of listed and designated properties.	Imperial has completed a review of properties within the linear 125 m pipeline study zone. The results of the studies are provided in Section 4.4.9 of the Environmental Report.

**Table B-2: Summary of Public and Stakeholder Key Comments and Responses**

Commenter	Topic	Summary of Key Comments	Responses
Community Information Session attendee	Safety	Inquiry related to advanced monitoring capabilities for pipeline.	Imperial explained its proactive safety measures which are employed on the existing line and will be employed on the replacement line: <ul style="list-style-type: none"> <li>Imperial uses industry-leading inspection tools to confirm both internal and external characteristics of the steel pipe to identify and prioritize repairs.</li> <li>In-line inspection tools are sent from one end of the line to the other and measure the inside diameter of the pipeline and assesses the integrity of the line.</li> <li>Imperial flies the line every week; portions that cannot be flown are ground patrolled.</li> <li>Entire is line walked in a periodic frequency.</li> <li>Line is monitored remotely 24 hours a day, 365 days a year.</li> </ul>
Community Information Session attendee	Archaeological Assessment	Request for further information about the Project's archaeological assessment process.	Archaeological assessment information was provided at CIS. Additional details about the Archaeological Assessment process is found in the Environmental Report Section 4.4.8.
Community Information Session attendee	Project Maps	Request for detailed Project maps.	During the November CIS, Imperial had maps to allow Information Session attendees the ability to review the pipeline route. All regional maps and project maps are available on Imperial's website. Detailed Ecological Land Classification mapping and Ecological Constraint Mapping will be included in the Environmental Report, as Appendix C and D, respectively.
Community Information Session attendee	Reclamation and Restoration	Inquiry related to handling of excess soil during trench construction.	Typical soil handling process during typical construction is detailed in Environmental Report Section 2.3 Project Construction Methods and Section 4.2.3 Soil.
Community Information Session attendee	Wildlife and Habitat	Request for additional information about protection of species at risk during construction.	Imperial has carried out field surveys along the study area to identify SAR and SAR habitats. This information has been submitted to the MNR districts (Guelph and Aurora) for their regulatory review. All SAR observed during the field surveys as well as the identification of mitigation measures (e.g., use of trenchless construction methods to avoid SAR and SAR habitat) were identified and compiled into an Information Gathering Form which was provided to the MNR for regulatory review. Section 5.3.4 in the Environmental Report elaborates on how species at risk will be protected during construction.
Community Information Session attendee	Procurement/employment	Request for further information regarding procurement strategy for the Project.	Imperial indicated that the Project is still in the early stages, and the procurement process has yet to commence. Imperial intends to work with local contractors and business services, including from Indigenous groups, throughout the life of the Project. In advance of the procurement phase, Imperial will inform interested business stakeholders, including the Chambers of Commerce and Boards of Trade, of the process and timeline.
Community Information Session attendee	Consultation	Request for electronic updates/notifications.	For individuals who provided their email address and consent, Imperial has provided electronic notifications via email. This includes updates about the CIS. Imperial will provide periodic updates as the Project proceeds.
Community Information Session attendee	Consultation	Request for access to online Project information.	All project information, including regional maps, and related information, is available on the Project's website and is updated as new information becomes available.
City of Toronto	Project Design	Inquiry about depth of buried pipeline.	Imperial indicated its pipelines are buried to a depth that meets or exceeds applicable standards and regulations. The pipeline will be at a minimum 1.2 m deep (4 feet) and, in some instances (trenchless methods like road bores, or rail road crossings), be nearly 8 m deep, or more. In case of the Horizontal directional drilling crossings, however, the deepest profile of the pipe could extend below 8 m, depending on the design and bedrock depth.
City of Burlington	Consultation	Recommendation to engage with local environmental networks.	Imperial reached out to the noted organizations via email; provided an overview of the Project and links to online resources; invited respective groups to attend the CIS. Imperial will continue to engage stakeholders throughout the course of the Project.

Commenter	Topic	Summary of Key Comments	Responses
City of Burlington	Project Maps	Request for detailed Project maps.	Imperial provided a more detailed pipeline map and other resources to the Councillor. See Appendix D Ecological Constraints Map of the Environmental Report.
Town of Milton	Consultation	Recommendation on importance of coordination with Conservation Halton related to environmental assessment of watercourse crossings.	Imperial has directly engaged with CH technical staff to understand their regulatory requirements. CH is part of the Ontario Pipeline Coordinating Committee and will be consulted on the review of the Environmental Report. Watercourse crossing information is located in Environment Report Section 4.2.5 Surface Water.
City of Toronto	Construction Impacts	Inquiry about possible road closures and surface-level traffic impacts during construction phase.	Imperial identified that road closures are not anticipated during construction of the Project.  A Traffic Management Plan and associated mitigation measures will be implemented during construction to avoid or minimize effects on traffic. Construction teams will also use pre-existing rights-of-way where possible. Imperial will ensure ongoing engagement and communication with residents, businesses and landowners about construction activities and timing. See Environmental Report Section 7.7.
City of Toronto	Consultation	Recommendation to meet with the Emory Village business improvement association to discuss potential impacts to local business during construction.	Imperial indicated that it will ensure ongoing consultation and communication with residents, businesses and landowners about construction activities and timing. The association is included in the Project's distribution list for information updates and will include notification prior to construction.
City of Hamilton	Consultation	Recommendation to participate actively as members of the Flamborough Chamber of Commerce.	Imperial joined as a member of the Flamborough Chamber of Commerce and held introductory briefing calls about the Project with senior staff. The Chamber was invited to both the July and November 2018 CIS. Imperial also presented at a joint Hamilton/Flamborough Chamber function.
City of Mississauga	Consultation	City of Mississauga Councillor recommended that landowners who back onto the existing hydro corridor are being invited to the Community Information Sessions (CIS).	Imperial confirmed that these identified landowners were invited to CIS. Landowners received postcard invitations in the mail and were informed via local advertising and direct mail.
Town of Oakville	Project Maps Deactivation	Request for a detailed map of the Project.  Inquired about the deactivation process.	During the November 2018 Community Information Session (CIS), Imperial had maps to allow CIS attendees the ability to review the pipeline route. All regional maps and the Project maps are available on Imperial's webpage. Also, maps are in Appendix D Ecological Constraints Map of the Environmental Report.  Imperial responded that after the new pipeline is safely installed, tested and operation is switched over, the existing pipeline will be deactivated and left in place. Deactivation will consist of cleaning the line to remove residual hydrocarbons, disconnecting power where appropriate, segmenting the pipeline by removing block valves and installing blind flanges and cathodic protection bonding cables, filling the segments with nitrogen to a pressure that can be monitored (e.g., 50 psig), and isolating the ends of the pipeline with blind flanges. Cathodic protection will be maintained to mitigate the potential for corrosion. The deactivation will follow all TSSA requirements, and codes.
City of Hamilton	Emergency Response	Staff recommendation to meet with the Pipeline Taskforce and to engage Hamilton Fire Chief Dave Cunliffe.	Imperial agreed to the recommendation and met with the City of Hamilton's Pipeline Taskforce in October 2018, and reached out to the Hamilton Fire Chief. In addition, Imperial provided an invitation to the City of Hamilton to participate as an observer in Imperial's Emergency Response simulation drill.
Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA)	Consultation	Staff recommendation to invite the Ontario Federation of Agriculture to attend the Burlington, Milton and Hamilton CIS.	Imperial invited the organization to the CIS, and the organization is included in the Project's distribution list for information updates.
Christian Farmers Federation of Ontario	Groundwater	Inquiry related to impact to weeping/drain tiles and underground water collection systems.	Impact to drain tiles is assessed in section 5.2.3 of Environmental Report.
Greater Toronto Airports Authority (GTAA)	Operational Issue - Supply Reliability	The GTAA commented that the summer is a peak period for fuel demand at the GTAA; they wanted to ensure the construction will not impact the jet fuel supply. They indicated that a limitation or interruption of jet fuel supplies would have an immediate and serious operational and financial effect on the GTAA.	Imperial confirmed that supply reliability is a top priority. Imperial reiterated it will ensure an adequate fuel supply is available for customers, including the GTAA. The existing pipeline will remain in operation until the new replacement is ready for operation.

**Table B-3: Summary of Landowner Key Comments and Responses**

Commenter	Topic	Summary of Key Comments	Responses
Landowner	Access	Inquiry about access, including advance notification, number of surveys, parking restrictions, timing restrictions, flow of traffic and utilization of specific entry points.	Imperial will work with the landowners to address their access requests. Access requests will be documented and provided to the survey teams prior to conducting field activities on landowner property.
Landowner	Compensation/ Damages	Concerns related to compensation for Project impacts.	Imperial will work with landowners to address landowner compensation concerns, where possible.
Landowner	Fencing	Discussion regarding fencing being damaged or removed during the Project's activities.	Imperial will work with landowners to fix or settle damages related to landowner's fence.
Landowner	Soil Contamination	Inquiry about potential impacts of oil leaks and spills on soil quality.	A Spill Prevention and Response Plan will be developed and implemented for the Project to guide the prevention of spills and response to spills during construction. The interception and clean-up of spills will be according to provisions in the <i>Environmental Protection Act</i> , R.S.O. 1990 (EPA). Refer to Section 5.4.9 of the Environmental Report for the assessment of effects on soil and water quality as a result of a spill.
Landowner	Soils	Inquiry about construction practice impacting no-till farms, including residual impacts as a result of disturbance to the soil productivity as a result of nutrient losses.	Imperial will continue to work with landowners to mitigate concerns where possible and settle damages related to topsoil loss with the landowners post-construction, as needed.  Environmental Report Section 5.2.3 provides details on potential effects and proposed mitigation measures related to soils. Section 5.4 impacts to agriculture.
Landowner	Vegetation	Inquiry related to removal or disturbance of trees caused by the Project.	Imperial will work with landowners to mitigate concerns, where possible. Damages related to tree loss will be settled with the landowners post-construction.  Environmental Report Section 4.4.3 provides proposed mitigation measures associated with damage to private property.
Landowner	Water Well Quality and Quantity	Inquiry about the effects of spills and leaks on surface and groundwater, which could seep into water wells and impact water well quality and quantity. Inquiry about water well contamination, including the effects of the pipeline on the flow of surface and groundwater, and the implications this could have for water levels in the wells.	Potential impacts to both surface and groundwater, as well as proposed mitigation measures, are addressed in Environmental Report. Section 5.2.4 and Section 5.2.5.  A Spill Prevention and Response Plan will be developed and implemented for the Project to guide the prevention of spills and response to spills during construction. The interception and clean-up of spills will be according to provisions in the <i>Environmental Protection Act</i> , R.S.O. 1990 (EPA). Refer to Section 5.4.9 of the Environmental Report for the assessment of effects on soil and water quality as a result of a spill.
Landowner	Air and Noise	Inquiry related to dust during Project.	Mitigation measures to address air and noise are provided in the Environmental Report Section 5.2.6 and Section 5.2.7. Measures include applying water to access roads to minimize the generation of dust.
Landowner	Wildlife and Habitat	Comment that pipeline construction, construction-related traffic, leaks, spills, noise, disturbance and habitat fragmentation may pose risks to certain wildlife species and their habitat.	Potential effects on wildlife and wildlife habitat, as well as proposed mitigation measures, are addressed in Environmental Report Section 5.2.3.  Imperial continues to consult with MNR and Fisheries and Oceans Canada regarding terrestrial and aquatic species at risk. The proposed pipeline will follow an existing managed utility corridor and will be constructed using trenchless methods in areas with sensitive wildlife.
Landowner	Reclamation and Restoration	Inquiry about the extent and the quality of reclamation that is to occur following pipeline construction.	Mitigation measures for post-construction restoration and re-vegetation of disturbed areas are provided in Environmental Report Section 5.3.1 and Section 7.

Commenter	Topic	Summary of Key Comments	Responses
Landowner	Project Design	Inquiry about the impact or proximity of the pipeline construction in relation to the property, potential damages, noise, dust or other aesthetics items.	Imperial will continue to work with landowners to mitigate concerns regarding private property where possible and to settle potential damages resulting from construction activity. Mitigation measures to address noise and vibration, air, and socio-economic effects are provided in Sections 5.2.6, 5.2.7 and 5.4 of the Environmental Report.
Landowner	Emergency Response	Inquiry regarding emergency response focused on spills.	<p>While Imperial manages the business with the goal of zero incidents, Imperial is prepared for emergencies should they occur and can respond quickly, effectively and with care to emergencies or incidents resulting from its operations.</p> <p>Imperial cooperates with industry organizations and authorized government agencies if an incident occurs.</p> <p>Imperial has an emergency preparedness and response plan. Employees prepare themselves through training, simulations and drills. The Canada Fuels Operating business has trained teams that are routinely tested against a range of scenarios, including product spills, fires, explosions, natural disasters, and security incidents.</p>
Landowner	Boundary Survey	Inquiries about property boundaries being surveyed for future reference.	Imperial will work with the landowners to address their parcel boundary survey requests where possible. This data may be limited to the right-of-way.
Town of Milton, Region of Halton	Construction	Comment regarding upcoming or recently completed municipal road work in the area, including road-widening, reconstruction of the road (with new municipal infrastructure underground), or repaving.	Imperial will continue to work with municipalities to mitigate concerns related to roads and underground infrastructure. Refer to the Environmental Report cumulative effects assessment Section 6 for further assessment.
City of Toronto	Construction	Comment that the proposed route will be crossing an underground subway tunnel. A contact was provided for Imperial to schedule a meeting to discuss the process and technical requirements.	Imperial to follow up with contact provided to schedule a meeting to discuss proposed subway crossing and the process and technical requirements involved. Refer to the Environmental Report cumulative effects assessment Section 6 for further assessment.
CN	Construction	Comment regarding the proposed crossing location is a planned railway hub for the agency, with the potential for widening for additional rail lines. Imperial may have limited access during the time of construction.	Imperial to continue to consult with CN, obtain any related plans, and coordinate with the Company on construction access. Refer to the Environmental Report cumulative effects assessment Section 6 for further assessment.
Metrolinx; HONI/IO; Enbridge; Sun-Canadian; TNPI	Pipeline Routing; Emergency Response	Request for the proposed pipeline to be set back a certain distance away and/or installed at a deeper depth from the agencies' existing infrastructure or easements, due to technical design guidelines and/or emergency situations so as to not impede access.	Imperial has reviewed and revised/will revise the proposed route to adhere to the agencies' requirements, wherever possible.
HONI/IO; Enbridge; Sun-Canadian	Construction	Request for proposed temporary construction work space areas be set away from the agencies' existing infrastructure or easements.	Imperial has reviewed and revised/will revise the proposed temporary construction work space areas to accommodate the agencies' requests, wherever possible. Refer to Appendix D of the Environmental Report for a map.
Metrolinx	Pipeline Routing; Project Schedule	Comment regarding potential construction schedule conflicts due to the planned projects in the Project's area.	Imperial will continue consulting and coordinating with agency on the planned Project to avoid any construction schedule conflicts, and develop mitigation strategies, if necessary. Refer to the Environmental Report cumulative effects assessment Section 6 for further assessment.

**Table B-4: Summary of Indigenous Communities Key Comments and Responses**

Entity	Commenter	Topic	Summary of Key Comments	Responses
Indigenous Communities	MCFN	Field Monitors	Request for participation of Indigenous field liaison representatives during fieldwork surveys.	Imperial worked with MCFN to provide capacity funding, via Imperial's environmental consultant (ERM), to enable the participation of MCFN field liaison representatives.
Indigenous Communities	MCFN	Archaeological Assessment	Request for input into archaeological assessments for Project.	Imperial has involved MCFN in environmental, archaeological assessment, and environmental compliance surveys.
Indigenous Communities	MCFN	Accidents and Malfunctions - Spills	Request for further information related to potential spills and emergency response.	<p>Imperial takes proactive safety measures to prevent spills. Imperial has a robust Emergency Response Plan. Regulations and government oversight dictate how Imperial prepares for and responds to a potential pipeline spill. Imperial would be responsible for cleaning up and mitigating damages.</p> <p>Imperial has proactive safety measures:</p> <ul style="list-style-type: none"> <li>■ Imperial uses in-line inspection tools, which are sent from one side of the line to the other and measures the inside diameter of the pipeline and assesses the integrity of the line.</li> <li>■ Imperial flies the line every week; portions that cannot be flown are ground patrolled.</li> <li>■ Entire line walked in a periodic frequency.</li> <li>■ Line is monitored 24 hours a day, 365 days a year.</li> </ul> <p>In the unlikely event of a spill, the line will be shut down immediately. Imperial would implement the Emergency Response Plan, evaluate the hazards and risks, protect property, protect waterways and wildlife, coordinate the emergency response, and clean up the site.</p>
Indigenous Communities	MCFN	Archaeological Assessment	Request for review of the Stage 1 Archaeological Assessment report.	Imperial provided the Stage 1 Archaeological Assessment report to MCFN for review in advance of submission to the Ministry of Tourism, Culture and Sport (MTCS).
Indigenous Communities	Six Nations	Field Monitors	Request for Indigenous field monitors during fieldwork surveys.	Imperial worked with Six Nations Lands and Resources Department staff to provide capacity funding, via Imperial's environmental consultant (ERM), to enable the participation of Six Nations Indigenous field monitors.
Indigenous Communities	Six Nations	Archaeological Assessment	Request to Imperial to work directly with the Six Nations Lands and Resources department Consultation Supervisor to coordinate daily fieldwork.	Imperial has regular coordination calls/emails with Six Nations to coordinate logistics for deploying field monitors.
Indigenous Communities	Six Nations	Archaeological Assessment	Request to meet with the licenced archaeologist engaged by Imperial for the work since Six Nations have not previously worked with this firm.	Imperial met with Six Nations to introduce Past Recovery, the licenced archaeologists working with ERM (environmental consultant). The licenced archaeologist has experience in southern Ontario and has worked with Indigenous communities. Shared archaeological assessment methods and plans that conform to Ministry of Tourism, Culture, and Sport (MTCS) requirements. Shared Project information on upcoming Stage 2 Archaeological Assessment fieldwork.
Indigenous Communities	Six Nations	Archaeological Assessment	Request for participation in the Stage 1 Archaeological Assessment report review.	Imperial provided the Stage 1 Archaeological Assessment report for review in advance of submission to MTCS.
Indigenous Communities	Six Nations	Capacity Funding	In addition to the participation of field monitors, identified willingness to discuss capacity funding needs.	Imperial shared project information and provided opportunities for communities to identify their input/comments and describe how the Project may potentially affect them. Offered willingness to discuss capacity funding to support project review and participation.

Entity	Commenter	Topic	Summary of Key Comments	Responses
Indigenous Communities	Six Nations	Fish and Fish Habitat	Requested information on the Project's the potential effects on fish and fish habitat.	<p>The pipeline will be installed at major watercourse crossings using trenchless construction methods to avoid in-water work and avoid impacts to fish and fish habitat.</p> <p>There will be agency regulatory oversight of proposed watercourse crossings activities.</p> <p>Fish habitat assessments have informed whether or not in-water work during construction will need to avoid the timing of sensitive fish life stages.</p> <p>Construction disturbance (vegetation clearing and grading) will be limited at watercourses and riparian areas, and reclamation measures will re-establish riparian vegetation.</p>
Indigenous Communities	Six Nations	Wildlife	Noted that some community members participate in hunting activities in southern Ontario.	Imperial is committed to working with First Nation's to understand potential effects on areas used by their community members for hunting. Refer to Appendix D for a map of the Project.
Indigenous Communities	Six Nations	Traditional Use	Noted traditional use and collection of medicinal plants in southern Ontario.	Six Nations Field Monitors are involved in fieldwork and it is Imperial's understanding that Field Monitors are able to report to the Lands and Resources/Wildlife Management Office if traditionally used medicinal plants are encountered. To date, no comments have been raised on traditional use medicinal plants.
Indigenous Communities	Six Nations	Accidents and Malfunctions - Spills	Sought information on the potential for spills and Imperial's emergency response.	<p>Imperial takes proactive safety measures to prevent spills. Imperial has a robust Emergency Response Plan. Regulations and government oversight dictate how Imperial prepares for and responds to a potential pipeline spill. Imperial would be responsible for cleaning up and mitigating damages.</p> <p>Imperial has proactive safety measures:</p> <ul style="list-style-type: none"> <li>■ Imperial uses in-line inspection tools, which are sent from one side of the line to the other and measures the inside diameter of the pipeline and assesses the integrity of the line.</li> <li>■ Imperial flies the line every week; portions that cannot be flown are ground patrolled.</li> <li>■ Entire line is walked in a periodic frequency.</li> <li>■ Line is monitored 24 hours a day, 365 days a year.</li> </ul> <p>In the unlikely event of a spill, the line will be shut down immediately. Imperial would implement the Emergency Response Plan, evaluate the hazards and risks, protect property, protect waterways and wildlife, coordinate the emergency response, and clean up the site.</p>
Indigenous Communities	Six Nations HCCC/HDI	Consultation	Expressed concern about the delegation of procedural aspects of consultation and the honour of the Crown.	<p>Imperial encouraged contact with the Ministry concerning the Crown's delegation of procedural aspects of the duty to consult.</p> <p>Imperial noted that its intention is to engage and consult the HCCC as directed by the MENDM.</p>
Indigenous Communities	Six Nations HCCC/HDI	Consultation	Request to complete the HDI application and provide application fee.	Imperial respectfully declined completing the application and provided the requested project information. Imperial's intention is to follow the regulatory processes and guidance related to obtaining project approvals.
Indigenous Communities	Six Nations HCCC/HDI	Field Monitors	Request for temporary work suspension of fieldwork until HCCC/HDI field monitor agreement is in place.	<p>Imperial paused work to accommodate the request and worked closely with HCCC/HDI to provide capacity funding, via Imperial's environmental consultant (ERM), to enable the participation of HCCC/HDI field monitors.</p> <p>Participation of field monitors in field surveys support the community's ongoing direct involvement in the Project.</p>
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Request for pause during a geotechnical survey.	Imperial paused work to accommodate the request and provided details of completed archaeological assessment clearance prior to initiating the geotechnical surveys. Work continued after discussions with HDI staff.

Entity	Commenter	Topic	Summary of Key Comments	Responses
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Requested participation in the Stage 1 Archaeological Assessment report review.	Provided Stage 1 Archaeological Assessment report for review in advance of submission to the Ministry of Tourism Culture and Sport (MTCS).
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Requested that the test pitting interval be reduced from 5 m to 1 m.	Stage 2 test pitting is being undertaken at the standard 5-m interval per MTCS guidelines. The recovery of single, small lithic flakes from test pits attests to the diligence with which test pits are being excavated, including the fact that even small sites are being identified. Intensified test pits (at 2.5-m intervals) and/or 1 m × 1 m units are being excavated around positive test pits in order to obtain a better sample size and more clearly establish the nature and extent of the site. Areas of significant archaeological concern are also subject to more intensive Stage 2 assessment.
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Inquired about information regarding the Stage 2 archaeological assessment plan for Horizontal directional drilling (HDD) paths.	For HDD paths, the Stage 2 assessment (test pitting and/or pedestrian survey) is covering the entire Temporary Work Space (TWS) associated with the HDD entry and exit pads. In addition, the first and last 50 m of the HDD path is being tested in the instances where the TWS does not entirely cover these sections of the HDD path. Additional archaeological testing will be conducted in the future if geotechnical results are insufficient to support the working assumption that the HDD paths will be deep enough or stable enough soils to avoid any potential slumping and/or the possibility of future integrity digs from the surface. In addition, if cultural material is identified during the Stage 2 assessment of the TWSs/HDD paths, appropriate mitigation will be undertaken in consultation with all stakeholders. This would involve additional archaeological investigation and/or extending the HDD path and moving the TWS to avoid disturbing the archaeological site.
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Request to use more ploughing and pedestrian survey.	All ploughable fields are subject to pedestrian survey. Currently, the only exceptions are two small fields (WTFN1035 and WTFN2008) which are established no-till properties where the land owners have not permitted ploughing. MTCS has provisionally agreed that these no-till fields can be test pitted subject to review of the Stage 2 report and the associated supporting documentation justifying the testing methodology.
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Request for clearing of vegetation in advance of test pitting.	Vegetation is cleared by hand from specific test pit locations and the field crew is being diligent to ensure that the sod is broken up and all the backdirt screened.
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Request that test pits be excavated to depths sufficient to identify true subsoil with consensus between HCCC/HDI Field Monitors and archaeologists.	The field crew is working closely with the HCCC/HDI field monitors and the other Indigenous Field Monitors to ensure that there is agreement that sterile subsoil has been reached in all excavations.
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Request to consider the draft technical bulletin <i>Engaging Aboriginal Communities in Archaeology</i> (MTCS 2011).	The draft technical bulletin <i>Engaging Aboriginal Communities in Archaeology</i> (MTCS 2011) has been reviewed and the archaeological assessments will seek to address the protocol as well as the concerns of all Indigenous communities through the inclusion of field monitors in the fieldwork and through on-going engagement regarding all aspects of the archaeology.
Indigenous Communities	Six Nations HCCC/HDI	Archaeological Assessment	Request for pedestrian survey not be undertaken in damp conditions.	The field crew is working closely with the HCCC/HDI field monitors and the other Indigenous field monitors to ensure that pedestrian surveys are being conducted under appropriate conditions.
Indigenous Communities	Six Nations HCCC/HDI	Deactivation	Inquiry about deactivation of the existing line.	The existing line will be cleaned, filled with nitrogen and deactivated in place. Recognizing the congestion of the corridor of other lines and infrastructure, undertaking deactivation will minimize net environmental impacts. Deactivation will take place in accordance with regulatory requirements.



Entity	Commenter	Topic	Summary of Key Comments	Responses
Indigenous Communities	Huron-Wendat Nation (HWN)	Archaeological Assessment	Identified the importance of HWN involvement in archaeological assessment.	Imperial recognized that the HWN had historically settled in southern Ontario on the north shore of Lake Ontario, and acknowledged the interest of HWN in the archaeological assessment work, particularly the interest in the participation of Indigenous Field Monitors and in reviewing the Archaeological Assessment report.
Indigenous Communities	HWN	Capacity Funding	Request for additional capacity funds.	Imperial agreed to additional capacity funding to support request for review of archaeology report.
Indigenous Communities	HWN	Archaeological Assessment	Requested participation in the Stage 1 Archaeological Assessment report review. HWN reviewed the Stage 1 Archaeological Assessment report. The report was found to be satisfactory for this study area. The HWN requested to be consulted at every stage of planning, especially regarding the Parsons site, and to provide field monitors for all field work.	Imperial provided the Stage 1 Archaeological Assessment report for review to HWN in advance of the submission to the Ministry of Tourism, Culture and Sport (MTCS).