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**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Revision Log

Company	Client Contact	Version	Date Issued	Method of Delivery	Revisions
NextBridge Infrastructure	Corinne Miller	Rev01	September 2018	Email	Commitments revised based on NextBridge's responses to comments on the amended EA, and subsequent consultations with Indigenous communities, the MECP and the MRNF.

1. EXTENT AND LIMITATIONS OF THIS ENVIRONMENTAL COMMITMENTS LIST

As the Environmental Assessment (EA) review and environmental permitting processes are ongoing, it is anticipated that additional mitigation, commitments or conditions may be identified in consultation with regulators, Indigenous communities and other stakeholders. As such, it is anticipated that this Environmental Commitments List will be updated with the following 30 days prior to start of construction:

- commitments and approval conditions arising from the EA review process;
- commitments made as a result of ongoing engagement and consultation activities with Indigenous communities, stakeholders and other interested parties;
- provincial and federal environmental permitting commitments and conditions; and
- applicable updates to provincial and federal environmental regulatory requirements between January 2018 and the start of construction.

The environmental setting, environmental concerns, and associated protection measures and mitigation will be updated and included in future versions of this Environmental Commitments List, as well as the Construction Environmental Protection Plan (CEPP), Operation Environmental Management Plan (OEMP), Environmental Alignment Sheets, and Access and Construction Environmental Maps as the Project moves through the EA and environmental permitting, and through detailed engineering and construction planning.

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
1	CEPP Section 1.0 – Introduction	The Owner will appoint Environmental Inspectors to oversee implementation of the environmental protection measures and mitigation described in this CEPP during the Project.	•	•		•	
2	CEPP Section 1.0 – Introduction	The environmental setting, environmental concerns, and associated protection measures and mitigation will be updated and included in future versions of the CEPP, Environmental Alignment Sheets, and Access and Construction Environmental Maps as the Project moves through the EA and environmental permitting, and through detailed engineering and construction planning.	•	•		•	
3	CEPP Section 1.0 – Introduction	No changes to the mitigation measures as they appear in this CEPP, the Environmental Alignment Sheets, and the Access and Construction Environmental Maps will be made without the approval of the Owner.	•	•		•	•
4	CEPP Section 1.0 – Introduction; OEMP Section 1.1 – Introduction – Scope of Operation Environmental Management Plan	In the event that an unforeseen environmental issue arises for which no mitigation measures are approved, or for which new or innovative mitigation measures are deemed appropriate, the Owner shall consult with the appropriate government agencies.		•	•	•	
5	CEPP Section 1.0 – Introduction	If regulatory requirements discussed in this CEPP differ from requirements outlined in Project approval conditions, or if the direction given by regulators is found to be conflicting, the Owner will work with the regulator to resolve the discrepancy with the available representatives of the affected government agencies.	•	•		•	
6	CEPP Section 3.0 – Notification of Affected Parties – Federal, Provincial and Municipal Agencies – Owner Measures #1	Notify applicable federal and provincial regulatory agencies and interested municipal officials of the Project as warranted.	•			•	
7	CEPP Section 3.0 – Notification of Affected Parties – Regulatory Liaison – Owner Measures #2	Applicable regulatory agencies, including: <ul style="list-style-type: none"> • Ministry of Energy, Northern Development and Mines (MENDM), • Ministry of Natural Resources and Forestry (MNRF), • Ministry of the Environment, Conservation and Parks (MECP), • Ministry of Tourism, Culture and Sport (MTCS), • Fisheries and Oceans Canada (DFO), • Environment and Climate Change Canada; • Transport Canada; • Indigenous Services Canada (ISC); • Infrastructure Ontario; and • Lakehead Region Conservation Authority (LRCA) will be kept apprised of general construction schedules, as required by environmental regulatory requirements and will be consulted during construction as required by approval conditions.	•	•		•	
8	CEPP Section 3.0 – Notification of Affected Parties – Regulatory Liaison – Owner Measures #3	Regular liaison with government field representatives will be the responsibility of the Owner.	•	•		•	
9	CEPP Section 3.0 – Notification of Affected Parties – Landowners – Owner Measures #4; CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #42; EA Report – Section 2 – Consultation and Engagement Summary; EA Report – Section 11 – Acoustic Environment EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	Notify landowners along the route of the general construction schedule at least 45 days before the start of construction to fulfill land agreements and prevent or reduce impacts to their operations or activities.	•	•		•	•
10	CEPP Section 3.0 – Notification of Affected Parties – Road Authorities – Owner Measures #5 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Notification – Owner Measures #4 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	Notify road authorities (e.g., local roads boards, municipalities, Ministry of Transportation of Ontario [MTO], the Crown managed, landowners and other authorities) of the planned access restrictions and detours at least 10 days before start of construction to prevent or reduce impacts to their operations or activities.	•	•		•	

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
11	CEPP Section 3.0 – Notification of Affected Parties – Water Users – Owner Measures #6 EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 19 – Non-Traditional Land and Resource Use	Notify appropriate authorities and licensees, at least 45 days prior to a permitted use of water.	•			•	
12	CEPP Section 3.0 – Notification of Affected Parties – Indigenous Communities – Owner Measures #7 CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #43 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	Notify Indigenous communities of the general construction schedule 45 days before the start of construction to allow sufficient time for harvesting of traditional use plant species prior to the start of construction.	•	•		•	•
13	CEPP Section 3.0 – Notification of Affected Parties – Crown Interest Holders – Owner Measures #8 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Notify Crown interest holders (e.g. mining lease holders, unpatented claim holders, aggregate permit holders, non-freehold disposition holders, Sustainable Forest Licence (SFL) holders, and other interest holders) of the general construction schedule at least 45 days before the start of construction to minimize potential disturbance to their operations.	•			•	
14	CEPP Section 3.0 – Notification of Affected Parties – Recreational Users – Owner Measures #10 CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Owner Measures #24 CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #41 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #16 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will provide at least 45 days advanced notice of construction activities to recreational users through formal notification in local newspapers and at protected parks and campsites locations (e.g., park entrances).	•	•		•	•
15	CEPP Section 3.0 – Notification of Affected Parties – Third Party Agreements and Notifications – Contractor Measures #1	The General Contractor (Valard) will notify affected parties where applicable per third party agreements (e.g., crossing agreements, road use agreements, and landowner agreements).	•	•			•
16	CEPP Section 4.0 – General Environmental Protection Measures – Project Documents – Owner Measures #1	This CEPP serves as a guide to mitigate environmental issues and fulfill commitments during construction of the Project. This CEPP will be updated 30 days prior to construction of the Project to include pertinent environmental information from the EA, environmental permitting requirements and pre-construction surveys. Specific mitigation measures discussed in this CEPP are also shown on the Environmental Alignment Sheets and Access and Construction Environmental Maps.	•	•		•	
17	CEPP Section 4.0 – General Environmental Protection Measures – Project Documents – Owner Measures #2	Project personnel will be supplied with relevant Project documents, including the most recent updates, revisions, amendments, conditions and requirements, before construction.	•	•		•	
18	CEPP Section 4.0 – General Environmental Protection Measures – Project Documents – Owner Measures #3	The Owner will maintain an up to date record of Project documents.	•	•		•	
19	CEPP Section 4.0 – General Environmental Protection Measures – Regulatory Approvals – Owner Measures #4 EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 19 – Non-Traditional Land and Resource Use	Local, municipal, provincial and federal licences, permits and approvals will be obtained that are necessary for this Project. The Owner, its authorized representatives, contractor(s), and subcontractors, will comply with the conditions as presented to the Owner on permits, approvals, licences, certificates and Project-specific management plans. Inconsistencies between conditions of different licenses, permits, and approvals will be resolved prior to construction of each workforce.	•	•		•	

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
20	CEPP Section 4.0 – General Environmental Protection Measures – Permits/ Reporting – Owner Measures #5 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #12	Work Permits and Land Use Permits will be obtained from MNRF within provincial parks as applicable.	•			•	
21	CEPP Section 4.0 – General Environmental Protection Measures – Permits/ Reporting – Owner Measures #6	Compliance reports will be submitted to appropriate regulatory agencies by the Owner where required in permit conditions. These records shall be retained with other appropriate Project documentation in Project files.		•		•	
22	CEPP Section 4.0 – General Environmental Protection Measures – Third Party Agreements – Owner Measures #7 CEPP Section 4.0 – General Environmental Protection Measures – Third Party Agreements – Owner Measures #8 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will consult with landowner and interested holders (e.g. mining lease holders, unpatented claim holders, aggregate permit holders, non-freehold disposition holders, SFL holders, and other interest holders) forestry, mining claim and aggregate licence holders and, where appropriate, to develop mutually beneficial agreements with the affected landowner and tenure holders. Third-party agreements will be obtained prior to construction of each workforce.	•			•	
23	CEPP Section 4.0 – General Environmental Protection Measures – Third Party Agreements – Owner Measures #9 CEPP Section 4.0 – General Environmental Protection Measures – Third Party Agreements – Contractor Measures #1 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner, its authorized representatives, contractor(s), and subcontractors, will comply with the conditions outlined in the third-party agreements (e.g., crossing agreements, road use agreements, landowner agreements, overlapping agreements)	•	•		•	•
24	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Inspector – Owner Measures #10 CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Owner Measures #25 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #17 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Owner Measures #25 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 9 – Air Quality EA Report – Section 10 – Greenhouse Gases EA Report – Section 11 – Acoustic Environment EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 20 – Visual Environment	The Owner will employ the services of qualified Environmental Inspector(s) to guide implementation, monitor and report on the effectiveness of the construction procedures and mitigation measures for minimizing potential impacts.	•	•		•	
25	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Inspector – Owner Measures #11	An Environmental Inspector will have the following: <ul style="list-style-type: none"> • sufficient environmental knowledge to make appropriate field decisions; and • sufficient linear project construction experience to understand the constraints of construction. 	•	•		•	
26	CEPP Section 4.0 – General Environmental Protection Measures – Records Line List – Owner Measures #12 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	Prior to construction of each workforce, the Owner will provide the General Contractor (Valard) with a Construction Line List that describes special requirements requested by landowners and Crown interest holders (e.g., timber salvage, restoration measures, fencing requirements).	•			•	

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
27	CEPP Section 4.0 – General Environmental Protection Measures – Pre-Job Meeting – Owner Measures #13	Prior to construction of the Project, the Owner will hold a pre-job meeting with engineering, safety and environment employees, inspectors, and contractor supervisors to review this CEPP, environmental concerns, mitigation measures, methods and regulations specific to the work, specific stakeholder conditions, and specific conditions on associated permits and regulatory approvals.	•			•	
28	CEPP Section 4.0 – General Environmental Protection Measures – Project Orientation – Owner Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 18 – Socio-Economics	The Owner will develop the environmental and safety orientation program, to be implemented by the General Contractor (Valard) at least 45 days prior to construction.	•			•	
29	CEPP Section 4.0 – General Environmental Protection Measures – Project Orientation – Owner Measures #15	Prior to construction of the Project, the Owner will also develop and deliver advanced environmental training to relevant Project personnel (e.g., Environmental Inspectors, Contractor managers and Contractor supervisors).	•			•	
30	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Hazard Assessment – Owner Measures #16	Prior to construction of the Project, the Owner will provide orientation to relevant Project personnel (e.g., Environmental Inspectors, Contractor managers and Contractor supervisors) on an Environmental Hazard Assessment program (refer to Appendix C).	•			•	
31	CEPP Section 4.0 – General Environmental Protection Measures – Spill Prevention and Response Contingency Plan – Owner Measures #17 OEMP Section 5.1 General Mitigation Measures – Spill Prevention EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	In the event that any spills occur, implement the reporting measures provided in the Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Section 7.1).		•	•	•	
32	CEPP Section 4.0 – General Environmental Protection Measures – Contaminated Soils – Owner Measures #18 CEPP Section 4.0 – General Environmental Protection Measures – Environmental Contaminated Sites – Contractor Measures #7 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	In the event that contaminated soils are suspected during construction, implement the contaminated soils measures provided in the Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Section 7.1).		•		•	•
33	CEPP Section 4.0 – General Environmental Protection Measures – Care – Owner Measures #20 CEPP Section 4.0 – General Environmental Protection Measures – Environmental Discipline – Contractor Measures #8 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #31 EA Report – Section 19 – Non-Traditional Land and Resource Use OEMP Section 6 – Environmental Training	Project personnel who show neglect for the environment or disregard for the CEPP may be removed from the Project by the Owner.		•	•	•	•
34	CEPP Section 4.0 – General Environmental Protection Measures – Suspending Work – Owner Measures #21	Should the Owner determine that construction activities are contravening the CEPP or the terms and conditions of a regulatory license or permit, the Owner can suspend construction until a solution that is compliant is established.		•		•	
35	CEPP Section 4.0 – General Environmental Protection Measures – Air Quality – Owner Measures #22 EA Report – Section 9 – Air Quality EA Report – Section 18 – Socio-Economics EA Report – Section 21 – Human Health	Identify and confirm the potential receptors within 100 metres (m) of construction activities prior to construction of each workfront. If the receptor is confirmed to be an occupied residence, implement the following measures: If the construction activities are anticipated to be negligible sources of fugitive dust and tailpipe emissions (e.g., surveying and flagging, geotechnical investigations, conductor stringing and tensioning, decommissioning of temporary infrastructures, and clean up and reclamation) then no further action is required. Construction activities that may trigger the need for monitoring include site access development, material hauling, transmission foundation and anchor construction, transmission structure assembly and erection. If these activities are being undertaken within 100 m of the confirmed occupied residence, the Owner will assess the general construction schedule, environmental conditions, and season and evaluate the need for monitoring. Monitoring will be undertaken when emission generating activities have the potential to impact the receptor. Handheld portable monitors will be used by a qualified person within approximately 10 m of confirmed occupied residences to provide real-time concentrations that can be compared to ambient air quality criteria.		•		•	

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			Prior to Construction	Construction	Operation	Owner	Contractor
36	CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Owner Measures #23 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #13 EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will actively consult with the MNRF, MECP, and other relevant stakeholders on proposed measures to minimize interruption of recreational use and access restrictions to protected areas.	•	•		•	
37	CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Owner Measures #26 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #18 EA Report – Section 19 – Non-Traditional Land and Resource Use	Clearly mark the boundaries of protected areas along the right-of-way (ROW).	•	•		•	
38	CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Owner Measures #27 CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #50 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #20 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #29 OEMP Section 5.1 – General Mitigation Measures – Noise Concerns EA Report – Section 11 – Acoustic Environment EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	Address noise concerns as they arise through a noise complaint process.		•	•	•	•
39	CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Owner Measures #28 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Signage and Setbacks – Owner Measures #5 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #21 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Owner Measures #29 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will review protective and mitigative measures with the General Contractor (Valard).	•			•	

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			Prior to Construction	Construction	Operation	Owner	Contractor
40	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Incidents – Contractor Measures #2	In the event of an environmental incident, work will be suspended in the vicinity of the incident and the General Contractor (Valard) will report it to the Owner as soon as it is safe to do so. Work will be suspended until a solution that is compliant is established. Environmental incidents include, but are not limited to: <ul style="list-style-type: none"> Any reportable spills as defined in the provincial requirements (refer to Appendix 4-II, Table 4-II-3); any release to water, on or off site, directly related or attributable to the Project; any activity conducted that is not in compliance with environmental regulations or permits, the Owner's environmental procedures, the CEPP (refer to Appendix 4-II), and/or Project environmental commitments (as communicated to an external stakeholder or regulator); and/or any incident that results or could result in an impact to fish, wildlife or the environment (air, land, or water) that does not include a release or a non-compliance. 		•			•
41	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Incidents – Contractor Measures #3	Document environmental incident using the Spill Reporting Form (refer to Appendix D) and submit to the Owner.		•			•
42	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Incidents – Contractor Measures #4 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	In the event that any spills occur, implement the Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Section 7.1).		•			•
43	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Emergency Response Plan – Contractor Measures #5 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Prior to construction of the Project, the General Contractor (Valard) will develop an Environmental Emergency Response Plan for review and approval by the Owner that describes response procedures to potential environmental incidents or emergencies (e.g., spills, fire, erosion or sedimentation), clearly indicates responsibilities for communication and reporting, and provides contact names and details for individuals to be contacted in case of emergency.	•				•
44	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Emergency Response Plan – Contractor Measures #6	The Environmental Emergency Response Plan can be developed as a stand-alone document or as part of the Project's Emergency Response Plan.	•				•
45	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Project Training and Orientation – Contractor Measures #9 EA Report – Section 18 – Socio-Economics	The General Contractor (Valard) will deliver the general environmental and safety orientation to Project personnel.	•	•			•
46	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Project Training and Orientation – Contractor Measures #10	The General Contractor (Valard) will provide orientation records to the Owner.	•	•			•
47	CEPP Section 4.0 – General Environmental Protection Measures – Environmental Hazard Assessment – Contractor Measures #11	The General Contractor (Valard) will be responsible for implementing the Environmental Hazard Assessment program developed by the Owner (refer to Appendix C).		•			•
48	CEPP Section 4.0 – General Environmental Protection Measures – Schedule – Contractor Measures #12 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Contractor Measures #47 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Fish – Contractor Measures #66 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Schedule – Contractor Measures #12 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Construction will be completed as quickly and efficiently as possible near environmentally sensitive features to minimize the disturbance to fish and wildlife.		•			•

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49	CEPP Section 4.0 – General Environmental Protection Measures – Road Restrictions – Contractor Measures #13 EA Report – Section 19 – Non-Traditional Land and Resource Use	Implement road weight restriction and road bans during the spring break up period as regulated by the applicable regulatory authority.		•			•
50	CEPP Section 4.0 – General Environmental Protection Measures – Project Site – Contractor Measures #14 CEPP Section 5.2 – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #16 CEPP Section 5.2 – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #35 CEPP Section 5.2 – Environmentally Sensitive Features Protection Measure – Critical Landform/ Vegetation Association – Contractor Measures #71 CEPP Section 5.2 – Environmentally Sensitive Features Protection Measure – Research Plots – Contractor Measures #77 CEPP Section 5.2 – Environmentally Sensitive Features Protection Measure – Rare Plants / Rare Vegetation Communities – Contractor Measures #80 CEPP Section 6.1 – Site Preparation – Surveying and Flagging – Contractor Measures #7 CEPP Section 6.2 – Access Roads – Surveying and Flagging – Contractor Measures #9 CEPP Section 6.4 – Temporary Workspaces – Survey and Flagging – Contractor Measures #7 CEPP Section 6.4 – Temporary Workspaces – Survey and Flagging – Contractor Measures #11 CEPP Section 6.5 – Transmission Foundation and Anchor Construction – Surveying and Flagging – Contractor Measures #6 CEPP Section 6.6 – Transmission Structure Assembly and Erection – Survey and Flagging – Contractor Measures #6 CEPP Section 8.5 – Traffic Management Plan – Traffic Management – Contractor Measures #7 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Construction activities associated with the Project will be confined to the surveyed and marked areas.		•			•

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			Prior to Construction	Construction	Operation	Owner	Contractor
51	<p>CEPP Section 4.0 – General Environmental Protection Measures – Project Site – Contractor Measures #15</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Signage and Setback – Contractor Measures #4</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #17</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #36</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Critical Landform/ Vegetation Association – Contractor Measures #72</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Research Plots – Contractor Measures #78</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Rare Plants / Rare Vegetation Communities – Contractor Measures #81</p> <p>CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surveying and Flagging – Contractor Measures #11</p> <p>CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Surveying and Flagging – Contractor Measures #10</p> <p>CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Survey and Flagging – Contractor Measures #12</p> <p>CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection – Survey and Flagging – Contractor Measures #7</p> <p>CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Traffic Management – Contractor Measures #8</p> <p>EA Report – Section 2 – Consultation and Engagement Summary</p> <p>EA Report – Section 7 – Surface Water</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 15 – Archaeological Resources</p> <p>EA Report – Section 16 – Cultural Heritage Resources</p> <p>EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p>	Project personnel will avoid areas that are flagged or temporarily fenced and abide by restrictions on in/out privileges that are implemented in areas requiring special protection due to environmentally sensitive features		•			•
52	<p>CEPP Section 4.0 – General Environmental Protection Measures – Equipment – Contractor Measures #16</p> <p>EA Report – Section 6 – Geology, Terrain and Soils</p> <p>EA Report – Section 8 – Groundwater</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 13 – Fish and Fish Habitat</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p>	Construction equipment will arrive on the Project Site clean (i.e., free of soil and vegetative debris) in accordance with the <i>Clean Equipment Protocol for Industry</i> (refer to Appendix H1; Halloran et al. 2013) and in good working order (i.e., no oil or hydraulic fluid leaks). Equipment will be inspected for leaks routinely throughout the duration of construction.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
53	CEPP Section 4.0 – General Environmental Protection Measures – Equipment – Contractor Measures #18 CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #29 CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #45 CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #30 CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #30 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #27 CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Equipment – Contractor Measures #7 OEMP Section 5.2 – Access and Travel on Right-of-Way – Vehicles and Equipment OEMP Section 5.5 – Environmental Management During Operation –Fire Prevention EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 9 – Air Quality EA Report – Section 10 – Greenhouse Gases EA Report – Section 11 – Acoustic Environment EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	Noise abatement, emission and pollution control equipment on machinery should be in place, properly maintained and in good working order.		•	•	•	•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
54	CEPP Section 4.0 – General Environmental Protection Measures – Wet Areas – Contractor Measures #19 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #18 CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Schedule – Contractor Measures #3 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Schedule – Contractor Measures #1 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Schedule – Contractor Measures #11 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Schedule – Contractor Measures #2 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Schedule – Contractor Measures #2 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Schedule – Contractor Measures #1 CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection – Schedule – Contractor Measures #2 CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Schedule – Contractor Measures #3 CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Schedule – Contractor Measures #2EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	When construction schedule allows, plan construction activities in wet areas during frozen conditions.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

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			Prior to Construction	Construction	Operation	Owner	Contractor
55	CEPP Section 4.0 – General Environmental Protection Measures – Erosion and Sedimentation Control – Contractor Measures #20 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #24 CEPP Section 6.2 – Access Roads – Erosion and Sedimentation Control – Contractor Measures #16, #31, #62 CEPP Section 6.3 – Geotechnical Investigations – Erosion and Sediment Control – Contractor Measures #15 CEPP Section 6.4 – Temporary Workspaces – Erosion and Sedimentation Control – Contractor Measures #34 CEPP Section 6.5– Transmission Foundation and Anchor Construction – Erosion and Sedimentation Control – Contractor Measures #26 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Install, monitor and manage appropriate erosion and sedimentation controls as outlined in the preliminary Erosion and Sedimentation Control Management Plan (refer to Appendix 4-II, Section 8.1).		•			•
56	CEPP Section 4.0 – General Environmental Protection Measures – Firearms – Contractor Measures #21 OEMP Section 5.1 – Environmental Management During Operation – General Mitigation Measures – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Project personnel will be prohibited from carrying firearms on the Project Site.		•	•	•	•
57	CEPP Section 4.0 – General Environmental Protection Measures – Pets – Contractor Measures #22 OEMP Section 5.1 – Environmental Management During Operation – General Mitigation Measures – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Project personnel will be prohibited from bringing pets (e.g., dogs and cats) on site.		•	•	•	•
58	CEPP Section 4.0 – General Environmental Protection Measures – Fire – Contractor Measures #23	In the event of a fire, follow the Environmental Emergency Response Plan developed by the Contractor for this Project.		•			•
59	CEPP Section 4.0 – General Environmental Protection Measures – Fire – Contractor Measures #24 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #21 CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #54 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #39 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	The General Contractor (Valard) will follow fire prevention measures outlined in the Fire Prevention Contingency Plan (refer to Appendix 4-II, Section 7.3).		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
60	CEPP Section 4.0 – General Environmental Protection Measures – Waste Management – Contractor Measures #25 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #22 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #40 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Waste Management – Contractor Measures #19 CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Garbage and Debris – Contractor Measures #5EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	The General Contractor (Valard) will adhere to the Waste Management Plan (refer to Appendix 4-II, Section 8.2).		•			•
61	CEPP Section 4.0 – General Environmental Protection Measures – Waste Management – Contractor Measures #26 EA Report – Section 7 – Surface Water	The General Contractor (Valard) will develop a detailed Waste Management Plan for review and approval by the Owner at least 30 days prior to construction of each workfront.	•				•
62	CEPP Section 4.0 – General Environmental Protection Measures – Transportation, Storage and Handling – Contractor Measures #27 CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #9 CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Transportation, Storage, and Handling – Contractor Measures #7 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Transportation, Storage, and Handling – Contractor Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 18 – Socio-Economics	The transportation, storage, and handling of hazardous materials (e.g., fuel, hydrocarbon, brake fluids) will be in compliance with the <i>Technical Standards and Safety Act, 2000</i> , the <i>Transportation of Dangerous Goods Act, 1992</i> , the <i>National Fire Code</i> (National Fire Code of Canada 2010), the <i>Explosives Act</i> (Government of Canada 1985), and the <i>Occupational Health and Safety Act</i> (Government of Ontario 1990b).		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
63	<p>CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #28</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #26</p> <p>CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #46</p> <p>OEMP Section 5.2 – Access and Travel on Right-of-Way – Vehicles and Equipment</p> <p>EA Report – Section 2 – Consultation and Engagement Summary</p> <p>EA Report – Section 6 – Geology, Terrain and Soils</p> <p>EA Report – Section 7 – Surface Water</p> <p>EA Report – Section 9 – Air Quality</p> <p>EA Report – Section 10 – Greenhouse Gases</p> <p>EA Report – Section 11 – Acoustic Environment</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 13 – Fish and Fish Habitat</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes</p> <p>EA Report – Section 18 – Socio-Economics</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p> <p>EA Report – Section 21 – Human Health</p>	Turn off vehicles and equipment when not in use and minimize idling unless weather and/or safety conditions dictate the need for them to remain turned on and in a safe operating condition.		•	•	•	•
64	<p>CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #31</p> <p>EA Report – Section 2 – Consultation and Engagement Summary</p> <p>EA Report – Section 6 – Geology, Terrain and Soils</p> <p>EA Report – Section 9 – Air Quality</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 13 – Fish and Fish Habitat</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes</p> <p>EA Report – Section 21 – Human Health</p>	Burning of slash will be in accordance with regulatory approvals and permits and subject to agreements with landowners, SFL holders (e.g., overlapping agreements).		•			•
65	<p>CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #32</p> <p>EA Report – Section 6 – Geology, Terrain and Soils</p> <p>EA Report – Section 7 – Surface Water</p> <p>EA Report – Section 9 – Air Quality</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 13 – Fish and Fish Habitat</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes</p> <p>EA Report – Section 18 – Socio-economics</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p> <p>EA Report – Section 21 – Human Health</p>	Implement dust control measures (e.g., spray dust control solution that holds moisture for a long period of time causing dust to settle) as advised by the Environmental Inspector.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
66	CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #33 CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Soil Erosion – Contractor Measures #8 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Suspend or postpone topsoil handling during high wind or wet conditions, where practicable. If it is not possible to suspend or postpone the construction activities, a site-specific Erosion and Sedimentation Control Plan will be implemented in consultation with the Owner.		•			•
67	CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #34 CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Soil Erosion – Contractor Measures #9 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 9 – Air Quality EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	To minimize drifting soils and loss of topsoil in areas prone to wind or water erosion stabilize the disturbed area as soon as practicable by: <ul style="list-style-type: none"> ▪ sowing a fast growing ground cover (e.g., cereal crop); ▪ installing erosion control blankets; or ▪ walking down tree and shrub debris over exposed soils (rollback). 		•			•
68	CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #35 CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Soil Erosion – Contractor Measures #10 CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Vegetation Cover – Contractor Measures #6 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 9 – Air Quality EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	Retain compatible vegetation (e.g., below 2 metres (m) in height) where practicable on areas prone to wind erosion, steep slopes, drainage ways or next to a water body.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
69	<p>CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #36</p> <p>CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Soil Storage – Contractor Measures #52</p> <p>CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Soil Storage – Contractor Measures #31</p> <p>CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Soil Storage– Contractor Measures #25</p> <p>CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Soil Erosion – Contractor Measures #11</p> <p>EA Report – Section 6 – Geology, Terrain and Soils</p> <p>EA Report – Section 7 – Surface Water</p> <p>EA Report – Section 9 – Air Quality</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 13 – Fish and Fish Habitat</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p> <p>EA Report – Section 21 – Human Health</p>	Tackify, cover, seed, apply water or pack the topsoil stockpiles and windrows with approved equipment, if soils prone to wind erosion.		•			•
70	<p>CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #37</p> <p>CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Vehicle Use – Contractor Measures #27</p> <p>CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Vehicle Use – Contractor Measures #13</p> <p>EA Report – Section 6 – Geology, Terrain and Soils</p> <p>EA Report – Section 7 – Surface Water</p> <p>EA Report – Section 9 – Air Quality</p> <p>EA Report – Section 10 – Greenhouse Gases</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 13 – Fish and Fish Habitat</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 17 – Indigenous Land Resource Use</p> <p>EA Report – Section 18 – Socio-economics</p> <p>EA Report – Section 21 – Human Health</p>	Use multi-passenger vehicles to transport workers to site when practicable.		•			•
71	<p>CEPP Section 4.0 – General Environmental Protection Measures – Air Quality / Emissions– Contractor Measures #38</p> <p>CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #47</p> <p>EA Report – Section 2 – Consultation and Engagement Summary</p> <p>EA Report – Section 9 – Air Quality</p> <p>EA Report – Section 11 – Acoustic Environment</p> <p>EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes</p> <p>EA Report – Section 18 – Socio-economics</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p>	Where occupied residences are confirmed within 100 m of construction, schedule activities within 5 kilometre (km) radius in a manner that reduces the number of construction activities occurring at the same time.		•			•

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			Prior to Construction	Construction	Operation	Owner	Contractor
72	CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #39 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #25 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	Comply with local municipal noise by-laws or MECP <i>Noise Guideline NPC-300</i> (MOECC 2013) and the MECP <i>Model Municipal Noise Control Bylaw NPC-115</i> (MOECC 1978).		•			•
73	CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #40 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	The Owner will work with the Ontario Parks to plan construction around the peak park season, from June to September, where the Project Site is located within a provincial park.	•	•		•	•
74	CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #44 CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Notification – Owner Measures #3 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	Notify applicable federal and provincial regulatory agencies and local municipal officials, and other affected parties 45 days prior to commencing blasting activities and implosion operations as required by approval conditions.	•	•		•	•
75	CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #48 CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Contractor Measures #52 CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Schedule – Contractor Measures #4 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	No blasting near operating campgrounds, Ontario Trail Network trails or canoe routes on weekends and holidays beginning May Long weekend and ending Labour Day weekend, inclusive.		•			•

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			Prior to Construction	Construction	Operation	Owner	Contractor
76	CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #49 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #28 CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Schedule – Contractor Measures #5 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	No blasting near provincial parks on weekends and holidays beginning May Long weekend and ending Labour Day weekend, inclusive.		•			•
77	CEPP Section 4.0 – General Environmental Protection Measures – Noise – Contractor Measures #51 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #30 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 4 – Project Description EA Report – Section 11 – Acoustic Environment EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	Construction activities will occur during the daytime period from 07:00 to 19:00. In the event that construction will occur beyond the daytime period, the Owner will re-evaluate the potential Project-related effects and if required, review mitigation requirements and revise Project planning documents as necessary.		•			•
78	CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Contractor Measures #53 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Signage and Setback – Contractor Measures #5 EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Place warning signs 150 m upstream and 100 m downstream of water crossings on scheduled waterways prior to and during construction.		•			•
79	CEPP Section 4.0 – General Environmental Protection Measures – Protected Areas – Contractor Measures #54 OEMP Section 5.3 – Vegetation Management Program – Canoe Routes and Portages EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 20 – Visual Environment	Implement the following mitigation measures for canoe routes and portages: <ul style="list-style-type: none"> ■ vegetation clearing within a minimum of 90 m around Category A canoe routes (i.e., Pukaskwa River canoe route, White River canoe route and Pukaskwa River canoe route) and their associated portage will be limited to where necessary for safety and compatible vegetation (e.g., below 2 m in height) will be retained where practicable (MNRF 2015); ■ vegetation clearing within a minimum of 30 m around Category B canoe route (i.e., White River canoe route, Michipicoten River canoe route and Magpie River canoe route) and their associated portage will be limited to where necessary for safety and compatible vegetation (e.g., below 2 m in height) will be retained where practicable (MNRF 2015); ■ vegetation clearing around a canoe route will be limited to where necessary for safety and compatible vegetation (e.g., below 2 m in height) will be retained where practicable to meet regulatory requirements and minimize visual evidence of disturbance from activities; ■ retain compatible vegetation (e.g., below 2 m in height) around a portage, where practicable to meet regulatory requirements; ■ maintain visibility of portage on either side of the ROW (e.g., no stockpiled vegetation or soils at the portage access points) and access roads for recreational user accessibility; ■ during construction, keep portages cleared of vegetation debris and maintain the existing grade of the portage in a manner that it is safe for the recreational users; and ■ no disturbance of portages outside of the Project Site and access roads will be permitted. 		•	•	•	
80	CEPP Section 5.0 – Environmentally Sensitive Features – Recommended Construction Timing Windows and Restrictions	A summary of the recommended construction timing windows and restrictions that are expected to apply during the construction of the Project are presented in Table 4-II-1 (refer to Appendix 4-II). Additional timing windows and restrictions will be confirmed as Project planning and design progress.		•			•

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
81	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Regulatory Approval – Owner Measures #1 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Obtain necessary environmental permits and approvals prior to construction of each workfront in environmentally sensitive areas.	•			•	
82	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Environmental Surveys – Owner Measures #2 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Owner Measures #35 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Fish – Owner Measures #47 CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Due Diligence – Owner Measures #1 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will arrange for a preliminary pre-construction field reconnaissance to ground-truth the Project footprint, followed by pre-construction environmental surveys as required in the approval conditions, or as per federal or provincial requirements.	•			•	
83	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Environmental Surveys – Owner Measures #3 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will monitor the Project Site during construction for incidental sensitive features (e.g., water body, rare plant, rare vegetation community, wildlife species of concern, archaeological resources) that have not been previously identified on the Project Site. In the event that a sensitive feature is suspected, the contingency plans in Section 7 will be implemented.		•		•	
84	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Resources Specialist – Owner Measures #6 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will provide the appropriate resource specialist, if required, to assess sensitive features and to inspect or monitor Project activities at or near sensitive areas.		•		•	
85	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Project Sites – Owner Measures #7 EA Report – Section 14 – Wildlife and Wildlife Habitat	Perform local route refinements or refine Project infrastructure in the planning stage to avoid known environmentally sensitive features, species at risk, and species of concern and/or their habitat, if required.”	•			•	
86	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Archaeological and Heritage Resources – Owner Measures #8 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 15 – Archaeological Resources	Archaeological and heritage resources studies will be completed, the archaeological and heritage resource sites identified and the associated mitigation identified prior to construction of each workfront. This information will be provided by the Owner to the Contractor.	•			•	
87	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Archaeological and Heritage Resources – Owner Measures #9 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	Adhere to conditions of the compliance letter from the MTCS for the Project under the Ontario <i>Heritage Act</i> prior to and during construction if necessary.		•		•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
88	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Archaeological and Heritage Resources – Owner Measures #10 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Heritage and Archaeological Resources – Contractor Measures #10 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	In the event that a previously unidentified heritage or archaeological resources (e.g., arrow heads, modified bone, pottery fragments, fossils) are suspected or encountered unexpectedly during construction, follow the Discovery of Heritage and Archaeological Resources Contingency Plan (refer to Appendix 4-II, Section 7.4).		•		•	•
89	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Indigenous Land and Resource Use Site – Owner Measures #11 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Indigenous Land and Resource Use Site – Contractor Measures #13 CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Contractor Measures #2 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use OEMP Section 5.3 – Vegetation Management Program – Traditional Use Plant Species	In the event that a previously unidentified Indigenous land and resource use site is suspected or encountered within the Project site, follow the Indigenous Land and Resource Use Site Contingency Plan (refer to Appendix 4-II, Section 7.8).	•	•	•	•	•
90	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #15 EA Report – Section 19 – Non-Traditional Land and Resource Use	Construction activities will be staged in protected areas to avoid or minimize potential effects on ecologically sensitive areas, life cycle periods, and peak visitor periods, when construction schedule allows. Mitigation will be applied to reduce negative effects on protected areas.	•	•		•	
91	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Parks – Owner Measures #19 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Owner Measures #28 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Weeds – Owner Measures #57 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will follow weed control and management measures outlined in the Weed Management Plan (refer to Appendix 4-II, Section 8.4).		•		•	
92	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincially Significant Wetlands – Owner Measures #22 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoidance of the Nipigon River Provincially Significant Wetlands (PSW) was achieved via Project design. Although the transmission line is shown as crossing the Nipigon River PWS on the Environmental Alignment Sheets, the Project is not expected to disturb this PWS as the transmission structures will be placed at the setback distance of approximately 30 m from the PSW.	•			•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
93	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincially Significant Wetlands – Owner Measures #23 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	If additional transmission structures are required, avoid locating the transmission structures within a PSW or within its associated 30 m setback		•		•	
94	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Owner Measures #24 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoid disturbance to SWH (Significant Wildlife Habitat; MNR 2000, 2010b, 2014) and their associated setbacks to the extent practicable. Where avoidance is not practicable, adhere to the recommended construction timing windows and restrictions (refer to Appendix 4-II, Table 4-II-1).		•		•	•
95	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Owner Measures #26 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Signage and Setbacks – Owner Measures #4 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Clearly identify known environmentally sensitive features (e.g., rare plant, wetland, water body, SWH) and associated setbacks as shown on the Environmental Alignment Sheets and Access and Construction Environmental Maps.		•		•	
96	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Owner Measures #27 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Flag undisturbed adjacent areas to the extent required to protect adjacent seed sources from being affected.		•		•	
97	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Areas of Natural and Scientific Interest – Owner Measures #30 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoidance of the Magpie River / Terraces Area of Natural and Scientific Interest (ANSI) was achieved via Project design.	•			•	
98	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Areas of Natural and Scientific Interest – Owner Measures #31 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	If additional transmission structures are required, avoid locating the transmission structures within an ANSI or within its associated 50 m setback and consult with appropriate regulatory agency.		•		•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
99	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Critical Landform/ Vegetation Association – Owner Measures #32 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoidance of the Critical Landform/Vegetation Association (CLVA) in Gravel River Conservation Reserve was not practicable as a change in routing design at that location would result in additional greenfield disturbances. The following measures will be implemented to mitigate potential effect of the Project on this CLVA: <ul style="list-style-type: none">▪ Obtain a work permit from the MNRF under the <i>Provincial Parks and Conservation Reserves Act</i> for development within a CLVA;▪ The Owner will employ the services of qualified Environmental Inspector(s) to guide implementation, monitor and report on the effectiveness of the construction procedures and mitigation measures for minimizing potential impacts;▪ Clearly mark known site-specific features (e.g., rare plant, wetland, water body, SWH) and associated setbacks as shown on the Environmental Alignment Sheets and the Access and Construction Environmental Maps.▪ Flag undisturbed adjacent areas to the extent required to protect adjacent seed sources from being affected.▪ The Owner will review protective and mitigative measures with the General Contractor (Valard).▪ The Owner will follow weed control and management measures outlined in the Weed Management Plan (refer to Section 8.4).		•		•	
100	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Critical Landform/ Vegetation Association – Owner Measures #33 EA Report – Section 19 – Non-Traditional Land and Resource Use	The proposed mitigation measures will be reviewed and agreed upon in consultation with MNRF.	•	•		•	
101	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Research Plots – Owner Measures #34 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoid disturbance to research plots to the extent practicable. If avoidance is not practicable, the Owner will implement the following mitigation measures: <ul style="list-style-type: none">▪ The Owner will consult with MNRF, Crown interested holders (e.g. mining lease holders, unpatented claim holders, aggregate permit holders, non-freehold disposition holders, SFL holders, and other interest holders) forestry, mining claim and aggregate licence holders and, where appropriate, to develop mutually beneficial agreements with the affected tenure holders.▪ The Owner will employ the services of qualified Environmental Inspector(s) to guide implementation, monitor and report on the effectiveness of the construction procedures and mitigation measures for minimizing potential impacts.▪ Clearly mark known site-specific features (e.g., rare plant, wetland, water body, SWH) and associated setbacks as shown on the Environmental Alignment Sheets and the Access and Construction Environmental Maps.	•	•		•	
102	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Owner Measures #36 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Environmental training for workers will include information on den identification and procedures to follow if a den is identified.	•			•	
103	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Caribou – Owner Measures #37 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Caribou – Contractor Measures #55 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	Within a caribou range, avoid activities within 10 km of known or potential high use areas (e.g., nursery areas, winter use areas, travel corridors) as shown on the Environmental Alignment Sheets and the Access and Construction Environmental Maps to the extent practicable.	•	•		•	•
104	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Caribou – Owner Measures #38 EA Report – Section 2 – Consultation and Engagement Summary	If avoidance of caribou high use areas is not possible, the Owner will obtain a permit under the <i>Endangered Species Act</i> (Government of Ontario 2007), if required by the MECP.	•	•		•	
105	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Birds – Owner Measures #39 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Birds – Contractor Measures #57 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	Avoid vegetation clearing activities during the migratory bird nesting period (refer to Appendix 4-II, Table 4-II-1) when construction schedule allows.	•	•		•	•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
106	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Birds – Owner Measures #40 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Birds – Contractor Measures #58 CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Due Diligence – Owner Measures #1 OEMP Section 5.3 – Vegetation Management Program – Wildlife and Wildlife Habitat EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	If vegetation removal must be completed during the migratory bird nesting period, notify the Owner as soon as possible, and implement the procedures in the Nest Sweep Protocol (refer to Appendix 4-II, Appendix G). Similar measures will be taken for vegetation removal during routine ROW maintenance.		•	•	•	•
107	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Owner Measures #42 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Birds – Owner Measures #39 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Birds – Contractor Measures #57 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Contractor Measures #60 EA Report – Section 14 – Wildlife and Wildlife Habitat	Avoid vegetation clearing activities during the bat maternity roosting period (refer to Appendix 4-II, Table 4-II-1). If avoidance of bat maternity roosting period is not possible, the Owner will obtain a permit under the <i>Endangered Species Act</i> (Government of Ontario 2007), if required by the MNRF/MECP.	•	•		•	•
108	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Owner Measures #43 EA Report – Section 14 – Wildlife and Wildlife Habitat	If vegetation removal must be completed during the bat maternity roosting period (refer to Table 4-II-1), a resource specialist will conduct pre-construction surveys in suitable roosting habitat affected by the Project to determine occupancy. If sensitive features are identified, a site-specific mitigation will be developed and implemented in consultation with appropriate regulatory agencies (e.g., MNRF, Environment Canada) to avoid and/or offset the removal of maternity roosting habitat (e.g., through the installation of bat boxes).	•	•		•	
109	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Owner Measures #44 EA Report – Section 14 – Wildlife and Wildlife Habitat	Avoid construction activities during the bat hibernation period within 400 m up to 1,000 m from a known bat hibernacula entrance (refer to Table 4-II-1). If adherence to the timing and/or setback restrictions is not possible, site-specific mitigation will be developed and implemented in consultation with MNRF to avoid and/or offset the removal of maternity roosting habitat (e.g., through the installation of bat boxes).	•	•		•	
110	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Owner Measures #45 EA Report – Section 14 – Wildlife and Wildlife Habitat	Continue to engage with the MNRF regarding permitting requirements for little brown myotis and northern long-eared myotis	•	•		•	
111	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Amphibian and Reptiles – Owner Measures #46 OEMP Section 5.3 – Vegetation Management Program – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Where clearing or construction activities are planned during the amphibian breeding season (refer to Table 4-II-1), the Owner or the Environmental Inspector will visually assess the Project Site for active breeding habitat. If potential active breeding habitats are identified, the Owner will identify locations for exclusion fence or capture and relocate amphibians and reptiles off the Project Site prior to or during construction.	•	•	•	•	

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COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
112	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Fish – Owner Measures #48 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Fish – Contractor Measures #67 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Schedule – Contractor Measures #8 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Avoid construction activities below the high-water mark (e.g., clearing vegetation, installing or removing equipment crossing structures or fill) during the restricted in-water work timing window (refer to Appendix 4-II, Appendix I).	•	•		•	•
113	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Fish – Owner Measures #50 EA Report – Section 2 – Consultation and Engagement EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	If in-water work timing restrictions cannot be adhered to, a resource specialist may need to survey the area for sensitive fish and fish habitat and based on the results of the survey, a site-specific mitigation and monitoring plan will be developed. An application with a description of the fish and fish habitat in the water body and site-specific mitigation measures will be submitted to MNRF, DFO and/or LRCA prior to construction of each workfront. Based on the regulatory review, additional permits may be required from MNRF, DFO and/or LRCA to complete work within the restricted activity timing window.		•		•	
114	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Rare Plants/ Rare Vegetation Communities – Owner Measures #52 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoidance to three provincially imperiled (S2) rare plant species, alpine woodsia (<i>Woodsia alpina</i>), floating marsh marigold (<i>Caltha natans</i>) and purple bluejoint (<i>Calamagrostis purpurascens</i>), was not achieved during Project design. The following measures will be implemented to mitigate potential effect of the Project on these three rare plant occurrences: <ul style="list-style-type: none"> ▪ Prior to construction of each workfront, the Owner will contact a resource specialist to assess the known species or habitat and identify the magnitude of disturbance to the vegetation feature. ▪ Depending on the species or habitat and the magnitude of disturbance, the resources specialist will determine a suitable course of action in consultation with the Owner and, if necessary, the appropriate regulatory agencies. 	•	•		•	
115	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Rare Plants/ Rare Vegetation Communities – Owner Measures #53 CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Due Diligence – Owner Measures #1 EA Report – Section 12 – Vegetation and Wetlands	A search for potential rare plant and rare vegetation community in the Project Site shall be completed prior to construction of each workfront, in order to document incidences.	•			•	
116	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Rare Plants/ Rare Vegetation Communities – Owner Measures #54 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Rare Plants / Rare Vegetation Communities – Contractor Measures #84 OEMP Section 5.3 – Vegetation Management Program – Rare Plants/ Rare Vegetation Communities EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use Land and Resource Use	In the event that a previously unidentified rare plant species or a rare vegetation community are suspected or encountered unexpectedly, implement the Rare Plant Discovery Contingency Plan (refer to Appendix 4-II, Section 7.6).		•	•	•	•
117	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Owner Measures #55 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Transmission Structure Placement – Owner Measures #1 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Transmission structures and associated infrastructure will be located to avoid environmentally sensitive features (e.g., rare plant, wetland, archaeological sites) that were identified during pre-construction surveys, to the extent practicable.	•	•		•	

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
118	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Owner Measures #56 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Transmission Structure Placement – Owner Measures #2 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoid placement of transmission structures and associated infrastructure within a wetland or within the 30 m water body buffer (i.e., 30 m area extending from the high-water mark surrounding the water body).	•	•		•	
119	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Weeds – Owner Measures #58 CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Weed Management – Contractor Measures #7 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	The use of herbicides during construction is prohibited		•		•	•
120	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Water Wells – Owner Measures #59 EA Report – Section 8 – Groundwater	Conduct a pre-excavation survey of identified private wells within 100 m of the excavated locations by a licenced water well technician in accordance with the Wells Regulation (O.Reg. 903). Where landowner permission is granted, the pre-excavation survey will include completion of a well questionnaire to obtain details about the well, measurement of water levels and collection of a water quality sample.	•	•		•	
121	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Regulatory Approvals – Contractor Measures #1 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	The General Contractor (Valard) will follow all environmental permitting approval conditions.	•	•			•
122	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Schedule – Contractor Measures #2 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	The General Contractor (Valard) will adhere to the recommended construction timing windows and restrictions (refer to Appendix 4-II, Table 4-II-1).	•	•			•
123	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Schedule – Contractor Measures #3 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	If adherence to the timing windows and restrictions is not possible, the General Contractor (Valard) will develop a site-specific mitigation and monitoring plan in consultation with the Owner and appropriate regulatory agencies (e.g., MNRF, DFO, and/or LRCA).	•	•			•
124	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Signage and Setback – Contractor Measures #6 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Post signs warning of high use wildlife areas as shown on the Environmental Alignment Sheets and the Access and Construction Environmental Maps to the extent practicable.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
125	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Signage and Setback – Contractor Measures #7 CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surveying and Flagging – Contractor Measures #12 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Surveying and Flagging – Contractor Measures #11 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Survey and Flagging – Contractor Measures #13	Inspect the flags or temporary fences around environmentally sensitive features on a regular basis so that they are in place and maintained during clearing and construction Replace markings as soon as practicable and as necessary.		•			•
126	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Heritage and Archaeological Resources – Contractor Measures #8 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 15 – Archaeological Resources	Destruction or collection of archaeological resources by Project personnel is prohibited.		•			•
127	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Heritage and Archaeological Resources – Contractor Measures #9 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 15 – Archaeological Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	No clearing or construction activity within flagged or temporarily fenced areas that contain archaeological resources.		•			•
128	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Indigenous Land and Resource Use Site – Contractor Measures #11 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Destruction or use of Indigenous land and resource use sites (e.g., cultural site, camp, or trapline equipment) by Project personnel is prohibited.		•			•
129	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Indigenous Land and Resource Use Site – Contractor Measures #12 EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	No clearing or construction activity within flagged or temporarily fenced areas that contain Indigenous land and resource use site.		•			•
130	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Reduce unauthorized users and access to protected areas by installing signage and other appropriate barriers on access roads where permissible by MNRF/MECP.		•			•
131	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #15 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Implement the following mitigation measures when construction is required in provincial parks: <ul style="list-style-type: none"> ▪ Construction equipment, including rig mats, will arrive on the Project Site clean (i.e., free of soil and vegetative debris); ▪ confine grubbing and stripping to the transmission structure locations and new access roads; ▪ seed areas prone to erosion with a native cover crop (e.g., cereal crop) and certified seed mix approved by the applicable regulatory agency as soon as feasible after construction; ▪ plant conifers when reclaiming laydown yards, construction camps, and storage yards and other disturbances located off of the transmission line ROW and in consultation with the landowner or communities and applicable regulatory authority. ▪ the use of herbicides during construction is prohibited. 		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
132	<p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #19</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #37</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Rare Plants / Rare Vegetation Communities – Contractor Measures #83</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Weeds – Contractor Measures #85</p> <p>EA Report – Section 2 – Consultation and Engagement Summary</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p>	The General Contractor (Valard) will follow weed control and management measures outlined in the Weed Management Plan (refer to Appendix 4-II, Section 8.4).		•			•
133	<p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #23</p> <p>CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #41</p> <p>CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surface Conditions – Contractor Measures #4</p> <p>CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Surface Conditions – Contractor Measures #3</p> <p>CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Surface Conditions – Contractor Measures #3</p> <p>CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Surface Conditions – Contractor Measures #4</p> <p>CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Surface Conditions – Contractor Measures #3</p> <p>CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Topsoil Stripping – Contractor Measures #11</p> <p>CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection – Surface Conditions – Contractor Measures #4</p> <p>CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Surface Conditions – Contractor Measures #6</p> <p>CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Schedule – Contractor Measures #4</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p>	Follow measures outlined in the Soil Handling Contingency Plan (refer to Appendix 4-II, Section 7.2) when working under wet conditions.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
134	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincially Significant Wetland – Contractor Measures #32 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	If additional temporary workspaces are required, avoid locating the workspaces within a PSW or within its associated 30 m setback.		•			•
135	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincially Significant Wetland – Contractor Measures #33 EA Report – Section 19 – Non-Traditional Land and Resource Use	Install, monitor and manage appropriate erosion and sedimentation controls as outlined in the Erosion and Sedimentation Control Management Plan (refer to Appendix 4-II, Section 8.1) to prevent sediment and other material entering the Nipigon River.		•			•
136	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #38 CEPP Section 4.0 – General Environmental Protection Measures – Equipment – Contractor Measures #17 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Provincial Park – Contractor Measures #20 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	The General Contractor (Valard) will adhere to the Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Section 7.1) to prevent spills and/or release.		•			•
137	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #39 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	The General Contractor (Valard) will follow the fire prevention measures outlined in the Fire Prevention Contingency Plan (refer to Appendix 4-II, Section 7.3).		•			•
138	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #42 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Install, monitor and manage appropriate erosion and sedimentation controls as outlined in the Erosion and Sedimentation Control Management Plan (refer to Appendix 4-II, Section 8.1) to prevent sediment and other material entering the SWH.		•			•
139	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #43 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Reduce the removal of compatible vegetation (e.g., below 2 m in height) within SWH and associated setbacks to the extent practicable.		•			•
140	CEPP Section 5.2– Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #44 CEPP Section 5.2– Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #88 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Conduct ground level cutting/mowing/mulching of vegetation instead of grubbing. Confine grubbing and stripping to the transmission structure locations and new access roads.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
141	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #45 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #89 OEMP Section 5.3 – Vegetation Management Program – Wildlife and Wildlife Habitat EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Retain snags (i.e., standing or partially fallen dead trees) to provide wildlife habitat, where retention is not considered a safety hazard.		•	•	•	•
142	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Significant Wildlife Habitat – Contractor Measures #46 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Critical Landform/ Vegetation Association – Contractor Measures #74 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #94 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Use low ground pressure equipment and prevent ground disturbance by using a protective layer such as frost packing, snow, ice or matting (refer to Appendix 4-II, Appendix B, Figure B-13) or biodegradable geotextile and clay ramps between root/seed bed and construction equipment.		•			•
143	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Contractor Measures #48 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Wildlife – Contractor Measures #27 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Report wildlife sightings, issues and incidents with wildlife or nuisance wildlife as soon as it is safe to do so to the Owner, who shall determine corrective and/or emergency action to be taken in the field. The Owner will determine what regulatory reporting is required. Discuss recent wildlife sightings and appropriate mitigation measures during daily tailgate meetings.		•			•
144	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Contractor Measures #49 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Birds – Contractor Measures #59 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Contractor Measures #64 CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Wildlife Habitat Contractor Measures #40 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	In the event that sensitive wildlife features (e.g., active nest, bat roost, bat hibernaculum, burrow or den) are found unexpectedly during construction, implement Wildlife Features of Concern Discovery Contingency Plan (refer to Appendix 4-II, Section 7.5).		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
145	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Contractor Measures #50 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Hunting and fishing on the Project Site by Project personnel is prohibited.		•			•
146	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Contractor Measures #51 OEMP Section 5.1 – Environmental Management During Operation – General Mitigation Measures – Wildlife and Wildlife Habitat EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Harassing or feeding wildlife is prohibited by Project personnel.		•	•	•	•
147	CEPP Section 5.2 – Environmentally Sensitive Features Protection Measure – Wildlife – General – Contractor Measures #52 CEPP Section 6.2 – Access Roads – Vehicle Use – Contractor Measures #25 CEPP Section 8.5 – Traffic Management Plan – Vehicle Use – Contractor Measures #12 OEMP Section 5.1 – Environmental Management During Operation – General Mitigation Measures – Wildlife and Wildlife Habitat OEMP Section 5.2 – Access and Travel on Right-of-Way – Vehicles and Equipment EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Recreational use of all-terrain vehicles by Project personnel is prohibited in the Project Site. Vehicles, including all-terrain vehicles, are to be driven in a responsible and environmentally respectful manner.		•	•	•	•
148	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Contractor Measures #53 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Vehicle Use – Contractor Measures #22 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Vehicle Use – Contractor Measures #11 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-economics EA Report – Section 19 – Non-Traditional Land and Resource Use	Vehicles will not exceed speed limits established by the Owner and will lower speeds in specific conditions such as areas of high erosion hazard and blind corners. Clearly mark speed limits along the access roads.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
149	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – General – Contractor Measures #54 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Wildlife – Contractor Measures #26 OEMP Section 5.1 – General Mitigation Measures – Wildlife and Wildlife Habitat OEMP Section 5.2 – Access and Travel on Right-of-Way – Wildlife and Wildlife Habitat EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Vehicles will yield to wildlife on the roads when safe to do so.		•	•	•	•
150	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Caribou – Contractor Measures #56 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Access Roads Placement – Contractor Measures #17 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Access Roads Placement – Contractor Measures #19 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	If avoidance is not possible, the following measures will be implemented to mitigate potential effect of the Project on caribou: <ul style="list-style-type: none"> Notify the Owner as soon as possible to obtain the appropriate regulatory approvals; follow all environmental permitting approval conditions; time construction to limit disturbance to caribou during sensitive periods such as reproduction and rearing, winter aggregation and foraging, and seasonal dispersal (refer to Appendix 4-II, Table 4-II-1); consider installing natural barriers such as earth berms (e.g., mounding) or retaining compatible vegetation (e.g., below 2 m in height) in the ROW to reduce the line of sight; design and construct bends in the temporary access roads in caribou ranges to restrict the line of sight along the road in a manner that it is safe for vehicle travel; minimize new access in caribou ranges; where new access is required in caribou ranges, construct only winter grade access (snow roads), when practicable, and decommission roads after construction by implementing clean-up and reclamation measures in Appendix 4-II, Section 5.8 and installing rollback; and plant conifers when reclaiming laydown yards, construction camps, and storage yards located off of the transmission line ROW and in consultation with the landowner or communities and applicable regulatory authority. 		•			•
151	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Contractor Measures #61	Avoid construction activities during the bat hibernation period within 400 m up to 1,000 from a known bat hibernacula entrance (refer to Appendix 4-II, Table 4-II-1) as shown on the Environmental Alignment Sheets and Access and Construction Environmental Maps.		•			•
152	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Contractor Measures #62 EA Report – Section 14 – Wildlife and Wildlife Habitat	If adherence to the timing and/or setback restrictions is not possible, notify the Owner as soon as possible. The Owner will bring in the appropriate resource specialist to survey the area for sensitive features.		•			•
153	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Bats – Contractor Measures #63 OEMP Section 5.2 – Access and Travel on Right-of-Way – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoid physical disturbance to existing anthropogenic structures located off of the Project ROW and access roads that could be roosts for bats (e.g., sheds, barns, houses, buildings, and bridges).		•	•	•	•
154	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Amphibians and Reptiles – Contractor Measures #65	Construction in identified amphibian and reptile habitat during the breeding period (refer to Appendix 4-II, Table 4-II-1) may require exclusion fencing. Installation and maintenance of amphibian or reptile exclusion fencing will be done by the General Contractor (Valard) under the supervision of the Owner.		•			•
155	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wildlife – Fish – Contractor Measures #68 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Schedule – Contractor Measures #10 EA Report – Section 13 – Fish and Fish Habitat	If timing restrictions cannot be adhered to, notify the Owner as soon as possible. The Owner may contact the appropriate regulating agency and bring in the appropriate resource specialist to survey the area for sensitive features if required.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
156	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Areas of Natural and Scientific Interest – Contractor Measures #69 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	The General Contractor (Valard) will develop a site-specific Erosion and Sedimentation Control Plan for review and approval by the Owner to prevent sediment and other material entering the Magpie River.. Appropriate regulators may be contacted if required.		•			•
157	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection– Areas of Natural and Scientific Interest – Contractor Measures #70 EA Report – Section 12 – Vegetation and Wetlands	If additional temporary workspaces are required, avoid locating the temporary workspaces within an ANSI or within its associated 50 m setback.		•			•
158	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Critical Landform/ Vegetation Association – Contractor Measures #73 OEMP Section 5.3 – Vegetation Management Program – Areas with Critical Landform/ Vegetation Association EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Reduce the removal of compatible vegetation (e.g., below 2 m in height) in CLVA to the extent practicable.		•	•	•	•
159	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Critical Landform/ Vegetation Association – Contractor Measures #75 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Mechanical clearing and other equipment activity will be minimized within a CLVA.		•			•
160	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Critical Landform/ Vegetation Association – Contractor Measures #76 CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Cleaning Equipment – Contractor Measures #15 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Clearing may be accomplished by harvesting equipment, mulchers, and hand cutting. Clear merchantable timber by hand, where practicable.		•			•
161	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Research Plots – Contractor Measures #79	If construction cannot avoid research plots, notify the Owner as soon as possible.		•			•
162	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Rare Plants / Rare Vegetation Communities – Contractor Measures #82 EA Report – Section 12 – Vegetation and Wetlands	Install, monitor and manage appropriate erosion and sedimentation controls as outlined in the Erosion and Sedimentation Control Management Plan (refer to Appendix 4-II, Section 8.1) to protect rare plant habitat and/or rare vegetation community from runoff water and sediments as directed by the Environmental Inspector.		•			•
163	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #86 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Avoid the construction of temporary workspaces in wetlands, to the extent practicable.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
164	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #87 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 19 – Non-Traditional Land and Resource Use	Reduce the removal of compatible vegetation (e.g., below 2 m in height) in wetlands and associated setbacks to the extent possible.		•			•
165	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #90 EA Report – Section 19 – Non-Traditional Land and Resource Use	Install berms, cross ditches and/or silt fences between wetlands and disturbed areas when there is a risk of sedimentation into the wetland (refer to Appendix 4-II, Appendix B, Figure B-3 and Figure B-4).		•			•
166	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #91 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Contractor Measures #37 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Topsoil Stripping – Contractor Measures #21 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Do not strip topsoil within wetlands with the exception of soil salvage to accommodate geotechnical investigation and transmission foundation construction .		•			•
167	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #92 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Soil Storage – Contractor Measures #9 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Soil Storage– Contractor Measures #20 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	When the wetland organic layer is salvaged to accommodate for geotechnical investigations and transmission foundation construction, store the layer separately from upland soils for restoration.		•			•
168	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #93 CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #58 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands	Avoid locating burn piles in peat rich areas where residual fires could persist after construction.		•			•
169	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #95 EA Report – Section 7 – Surface Water EA Report – Section 19 – Non-Traditional Land and Resource Use	Re-fuelling or equipment maintenance activities will follow mitigation measures outlined in the Spill Prevention and Response Plan (refer to Appendix 4-II, Section 7.1).		•			•
170	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #96 CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Seeding Revegetation – Contractor Measures #32 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Natural recovery is the preferred method of reclamation in wetlands.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
171	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Wetlands – Contractor Measures #97 CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Seeding and Revegetation – Contractor Measures #15 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Do not seed wetland areas unless re-vegetation is needed (e.g. where a noxious weed seed source is identified within 200 m of disturbed soil in a wetland) to avoid weed invasion.		•			•
172	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Water Wells – Contractor Measures #98 EA Report – Section 8 – Groundwater	Avoid construction activities within 100 m of identified private wells. If avoidance is not practicable, notify the Owner as soon as possible. A resource specialist may need to conduct a pre-excavation survey prior to excavating.		•			•
173	CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Water Wells – Contractor Measures #99 CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Water Wells – Contractor Measures #9 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	Blasting will not be conducted within 50 m of identified water wells.		•			•
174	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Regulatory Approvals – Owner Measures #1 EA Report – Section 2 – Consultation and Engagement Summary	On provincial Crown land, approval will be obtained from MNRF prior to clearing of each workfront, as appropriate (e.g., Work Permit, Land Use Permit, and supporting consents from impacted Crown interest holders).	•			•	
175	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Regulatory Approvals – Owner Measures #2 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	On private land, approval will be obtained from the landowner prior to clearing of each workfront. Crown Patent will also be obtained from the local registry office or MNRF to confirm if any trees on private lands are reserved to the Crown. If there is Crown reservation on any tree, the Owner will consult with MNRF and approval may be required prior to clearing of each workfront.	•			•	
176	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Regulatory Approvals – Owner Measures #3	Obtain appropriate MNRF, DFO, and/or LRCA approval prior to construction of each workfront if clearing of vegetation is required below the high-water mark for the installation of equipment water body crossings within the restricted activity timing window for in-water work.	•			•	
177	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Regulatory Approvals – Contractor Measures #1 EA Report – Section 2 – Consultation and Engagement Summary	Overlapping licence agreements will be negotiated with SFL holders and Forest Resource Licence (FRL) obtained as appropriate.	•				•
178	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Schedule – Contractor Measures #2	Refer to the Environmental Alignment Sheets and the Access and Construction Environmental Maps for Project-specific environmental timing restrictions.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
179	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surface Conditions – Contractor Measures #5 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Surface Conditions – Contractor Measures #4 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Surface Conditions – Contractor Measures #4 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Surface Conditions – Contractor Measures #5 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Surface Conditions – Contractor Measures #4 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection – Surface Conditions – Contractor Measures #5 CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Surface Conditions – Contractor Measures #5 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	When working under frozen conditions, use probes or other techniques to asses that the frost is deep enough (i.e., below the depth of topsoil) to proceed without causing excessive soil rutting and compaction.		•			•
180	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surveying and Flagging – Contractor Measures #6 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Surveying and Flagging – Contractor Measures #5 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Survey and Flagging– Contractor Measures #6	The Project Site will be surveyed and marked prior to the start of construction activities of each workfront to establish the Project Site.	•				•
181	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surveying and Flagging – Contractor Measures #8 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Surveying and Flagging – Contractor Measures #6	Environmentally sensitive features and their associated setbacks will be flagged prior to clearing or construction as described on the Environmental Alignment Sheets and Access and Construction Environmental Maps.	•	•			•
182	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surveying and Flagging – Contractor Measures #9 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Surveying and Flagging – Contractor Measures #7 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Survey and Flagging– Contractor Measures #9 EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	There minimum 30 metre vegetation buffer will be flagged prior to the start of clearing activities. Vegetation buffer may increase for slope dependent consideration to reduce sedimentation (30m - 90m slope dependant).	•	•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

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			Prior to Construction	Construction	Operation	Owner	Contractor
183	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surveying and Flagging – Contractor Measures #10 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Surveying and Flagging – Contractor Measures #8 EA Report – Section 19 – Non-Traditional Land and Resource Use	Roads, pipelines, railroad or other crossings will be flagged so that they are crossed as indicated in crossing agreements and/or as per conditions of regulatory approvals.	•	•			•
184	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Surveying and Flagging – Contractor Measures #13 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Surveying and Flagging – Contractor Measures #12 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Survey and Flagging – Contractor Measures #14	Supplement markings with signage prior to and after clearing.	•	•			•
185	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Cleaning Equipment – Contractor Measures #14 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Use equipment that minimizes surface disturbance, soil compaction and topsoil loss (e.g., equipment with low ground pressure tires, or wide pad tracks), when working in wet areas, under wet conditions, or during spring break-up.		•			•
186	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #16 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #8 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Contractor Measures #4 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Vehicle Use – Contractor Measures #24 OEMP Section 5.2 – Access and Travel on Right-of-Way – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 4 – Project Description EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Fording of a water body is not permitted to prevent direct injury or mortality to eggs or fish unless approved by the appropriate regulatory agency. If fording is approved by the appropriate regulatory agency (e.g., MNR, DFO, and/or LRCA), it will be limited to a one-time event (i.e., over and back) and will occur only if an existing crossing at another location is not available or practical to use, only where there is a rock bed and minimal bank, and in accordance with the conditions of the regulatory approval. If repeated crossings of the water body are required, a temporary crossing structure will be installed. If fording is approved by the appropriate regulatory agency, a site inspection will be completed prior to construction to determine whether bed, banks, and fish habitat conditions at specific water bodies are suitable for the use of a ford.	•	•	•	•	•
187	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #17 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Clearing of the riparian zone will consider DFO's <i>Measures to Avoid Causing Harm to Fish and Fish Habitat Including Aquatic Species at Risk</i> (DFO 2016) and MNR's <i>Environmental Guidelines for Access Roads and Water Crossings</i> (refer to Appendix 4-II, Appendix H2; MNR 1990), and <i>Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales</i> (refer to Appendix 4-II, Appendix H3; MNR 2010a) and its associated Background Rationale document (MNR 2010b).		•			•
188	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #18 EA Report – Section 13 – Fish and Fish Habitat	Equipment shall be operated above the high-water mark in a manner that minimizes disturbance to the bed and banks of the water body.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
189	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #19 EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	The vegetation buffer will be slope dependant (30m - 90m). Buffer and height will be increased around water bodies with steep slope if it is determined to be suitable or necessary to protect the water body from sediment mobilization.		•			•
190	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #20 EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 16 – Cultural Heritage Resources	Vegetation clearing within the 30 m water body buffer will be limited to where vegetation may present a safety hazard during construction or operation.		•			•
191	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #21 EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Clearing of vegetation within the 30 m – 90m water body buffer, including the removal of selected plants, may be necessary to accommodate the equipment crossing. This should be kept to a minimum and within the Project Site.		•			•
192	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #22 EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Clear merchantable timber by hand in the 30 m – 90 m water body buffer. Minimal encroachment may be required to harvest very large trees. The merchantable timber will be winched outside the 30 m – 90m water body buffer.		•			•
193	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #24 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Water Bodies – Contractor Measures #25 OEMP Section 5.2 – Access and Travel on Right-of-Way – Water Bodies OEMP Section 5.3 – Vegetation Management Program – Erosion and Sedimentation Control OEMP Section 5.3 – Vegetation Management Program – Water Bodies EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 16 – Cultural Heritage Resources	No turning of equipment, or vehicles will be allowed within the 30 m – 90 m water body buffer (i.e. straight in, straight out) to minimize soil disturbance to the extent practicable.		•	•	•	•
194	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #25 OEMP Section 5.3 – Vegetation Management Program – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Immediately remove debris (i.e., except trees) or soil inadvertently deposited during construction below the high-watermark of water bodies.		•	•	•	•
195	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #26 OEMP Section 5.3 – Vegetation Management Program – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Trees naturally or accidently felled below the high-watermark of water bodies will be left where they fall.		•	•	•	•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
196	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #27 EA Report – Section 7 – Surface Water	Deleterious substances (e.g., slash, litter, soil, rock, oil) will not be placed into or near a water body.		•			•
197	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #28 OEMP Section 5.3 – Vegetation Management Program – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Will not skid logs across or push logs into water bodies.		•	•	•	•
198	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #30 EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Maintain low vegetation, vegetative ground mat and root structure within the 30 m – 90 m water body buffer to the extent practicable by walking, storing material or constructing over the undisturbed areas.		•			•
199	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Steep Slopes and Soils Prone to Erosion – Contractor Measures #32 OEMP Section 5.3 – Vegetation Management Program – Erosion and Sedimentation Control EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 16 – Cultural Heritage Resources	Selectively cut vegetation and restrict grubbing within vegetation buffers and areas with steep slopes or soil types prone to erosion.		•	•	•	•
200	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Clearing – Merchantable Timber – Contractor Measures #33 EA Report – Section 2 – Consultation and Engagement Summary	Merchantable timber will be cleared in accordance with the FRL, Overlapping Agreements, Renewal Agreements (Crown Reserved Trees) or in accordance with landowner agreements when trees are not reserved to the Crown.		•			•
201	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Clearing – Merchantable Timber – Contractor Measures #34 EA Report – Section 12 – Vegetation and Wetlands	Timber will be felled away from standing trees and vegetation buffers and water bodies to prevent damaging adjacent trees and aquatic habitat. If this is not achievable with conventional logging equipment, hand falling may be required.		•			•
202	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Clearing – Merchantable Timber – Contractor Measures #35 EA Report – Section 12 – Vegetation and Wetlands	Fell timber onto the ROW during clearing. No fallen or leaning trees shall be permitted off the Project Site or in water bodies.		•			•
203	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Clearing – Merchantable Timber – Contractor Measures #36 EA Report – Section 12 – Vegetation and Wetlands	Stockpile merchantable timber at landings near the edge of the boundaries in a manner that is accessible to hauling trucks. Timber is not to be piled or stored within any environmentally sensitive feature vegetation setback including water body slope dependent vegetation buffer or other overhead or underground utility or crossing unless specified by the Owner.		•			•
204	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Brushing – Non-Merchantable Timber – Contractor Measures #37 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Use equipment that minimizes soil disturbance (e.g., equipment with low ground pressure tires, or wide pad tracks), when brushing non-merchantable timber in areas where grading is not warranted.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
205	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Wildlife Habitat Contractor Measures #39 EA Report – Section 2 – Consultation and Engagement Summary	Will not clear trees and associated setbacks for trees that contain active stick nests or wildlife habitat for species of concern or species at risk, as shown on the Environmental Alignment Sheets and the Access and Construction Environmental Maps or during pre-construction nest surveys (refer to Appendix 4-II, Appendix G). Apply appropriate timing restrictions for construction activities in areas identified."		•			•
206	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Wildlife Habitat Contractor Measures #41 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Salvage and retain coarse woody debris at select locations (e.g., temporary disturbed area in mature/old growth forest or caribou high use area) and as needed to establish or re-establish suitable wildlife habitat after construction .		•			•
207	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Stumping – Contractor Measures #42	Reduce the width of stumping through wet areas to facilitate the restoration of shrub communities.		•			•
208	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Stumping – Contractor Measures #43	Restrict stumping in wet areas to avoid creation of flooded areas with little soil.		•			•
209	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Stumping – Contractor Measures #44 EA Report – Section 8, Groundwater	Restrict stumping to area to be excavated at transmission structure sites to reduce surface disturbance.		•			•
210	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Stumping – Contractor Measures #45	Restrict stumping within 2 m of the edge of the ROW to prevent damaging adjacent trees unless required for transmission structure or ROW access.		•			•
211	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation -Stumping – Contractor Measures #46	Restrict stumping near water bodies. Do not stump within the 30 m water body buffer with the exception of access to water body crossings.		•			•
212	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Stumping – Contractor Measures #47 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Restrict stumping on slopes prone to erosion and difficult terrain to reduce soil disturbance and erosion.		•			•
213	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Leaning and Damaged Trees – Contractor Measures #48	Immediately cut and remove off-ROW trees damaged during construction activities that may pose a safety hazard . Do not postpone removing of damaged trees until clean-up.		•			•
214	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Rollback – Contractor Measures #49 EA Report – Section 14 – Wildlife and Wildlife Habitat	Rollback (i.e., process of “rolling back” felled and cleared logs into areas that were cleared during construction) may be installed at key points near existing access roads, water bodies, and wildlife habitat and may be required as part of environmental approval conditions.		•			•
215	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #50 EA Report – Section 2 – Consultation and Engagement Summary	Timber and brush disposal options are subject to agreements with landowners, SFL holders and the appropriate regulatory agency.		•			•
216	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #51	Dispose of timber material not salvaged for merchantability through burning or mechanical chipping.		•			•
217	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #52	Slash will be chipped and spread over the ROW or burned in compliance with O. Reg. 207/96.		•			•

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			Prior to Construction	Construction	Operation	Owner	Contractor
218	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #53 EA Report – Section 12 – Vegetation and Wetlands	Obtain applicable permits and approval from MNRF, municipality and the fire department prior to burning.		•			•
219	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #53 EA Report – Section 12 – Vegetation and Wetlands	Burn timber and brush (non-merchantable) in accordance with the rules and conditions for outdoor fires regulations under the <i>Forest Fires Prevention Act</i> , acquired permits (Municipal and Provincial) and follow practices as outlined in the Fire Prevention Contingency Plan (refer to Appendix 4-II, Section 7.3) and Timber Salvage Plan.		•			•
220	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #55 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands	Avoid burning slash when a fire hazard is present.		•			•
221	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #56 EA Report – Section 2 – Consultation and Engagement Summary	Implement the conditions outlined in the <i>Forest Fire Prevention Act</i> and MNRF permitting with regard to slash pile burning. This may include limiting pile size, minimizing moisture content and maintaining loose burning piles with minimal soil.		•			•
222	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #57 EA Report – Section 2 – Consultation and Engagement Summary	Minimize burning within 100 m of a water body to the extent practicable.		•			•
223	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #59 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Strip the topsoil at burn locations to prevent sterilization of the soil.		•			•
224	CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Timber and Brush Disposal – Contractor Measures #60 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands	If timber and brush are disposed of by mechanical means (i.e., mulching or chipping), the material must be dispersed in a way to avoid accumulation of flammable material and comply with the <i>Forest Fires Prevention Act</i> . Obtain landowner authorization prior to spreading material.		•			•
225	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Roads required to access the transmission line ROW and temporary workspaces will use existing roads as much as possible and new temporary roads will be properly decommissioned after construction phase if not required to maintain the transmission line.		•		•	•
226	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Access Roads Placement – Owner Measures #1 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Construct upgraded existing and new access roads in consultation with landowners, industrial land users (e.g., forestry and mining) and in compliance with applicable legislation, regulations and requirements identified in permits and authorizations.		•		•	

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			Prior to Construction	Construction	Operation	Owner	Contractor
227	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Access Roads Placement – Owner Measures #2 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Access Roads Placement – Contractor Measures #13 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 18 – Socio-Economics EA Report – Section 19 – Non-Traditional Land and Resource Use	Implement the traffic measures outlined in the Traffic Management Plan (refer to Appendix 4-II, Section 8.5).		•		•	•
228	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Owner Measures #3 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Monitor the condition of the soils throughout construction and further assess whether topsoil is being subject to degradation that will eventually impact soil capability.		•		•	
229	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Topsoil Stripping – Owner Measures #4 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands	If topsoil is being degraded, consider stripping topsoil as outlined below or implement the measures outlined in the Soil Handling Contingency Plan (refer to Appendix 4-II, Section 7.2).		•		•	
230	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Schedule – Contractor Measures #2 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Contractor Measures #4 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Schedule – Contractor Measures #3 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Schedule – Contractor Measures #2 CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection – Schedule – Contractor Measures #3 CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Schedule – Contractor Measures #4 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	For construction scheduled to occur during frozen conditions, and where topsoil stripping is required attempt to pre-strip topsoil prior to freeze-up, where conditions permit.		•			•

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			Prior to Construction	Construction	Operation	Owner	Contractor
231	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Access Roads Placement – Contractor Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Land and Resource Use EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 20 – Visual Environment	Use existing roads and trails as identified on the Access and Construction Environmental Maps (refer to Appendix 5-II) and comply with conditions outlined in road use agreements.		•			•
232	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Access Roads Placement – Contractor Measures #16 EA Report – Section 18 – Socio-Economics	Use appropriate road signage during construction activities.		•			•
233	CEPP Section 6.2 – Access Roads –Access Roads Placement – Contractor Measures #18 CEPP Section 8.5 – Traffic Management Plan – Access Roads Placement – Contractor Measures #20 EA Report – Section 14 – Wildlife and Wildlife Habitat	Where new access is required, construct only winter grade access (snow roads), when practicable, and decommission roads after construction by implementing clean-up and reclamation measures in Section 6.8, installing rollback, and in accordance with approval requirements.		•			•
234	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Access Roads Placement – Contractor Measures #19 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Contractor Measures #5 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Regulatory Approvals – Contractor Measures #1 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Follow applicable measures from MNR’s <i>Environmental Guidelines for Access Roads and Water Crossings</i> (refer to Appendix 4-II, Appendix H2; MNR 1990), and <i>Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales</i> (refer to Appendix 4-II, Appendix H3; MNR 2010a) and its associated Background Rationale document (MNR 2010b), Ontario’s <i>Provincial Standards for Temporary Erosion and Sediment Control Measures</i> (refer to Appendix 4-II, Appendix H4; OPSS 805), <i>General specifications for Environmental Protection for Construction in Waterbodies and on Waterbody Banks</i> (refer to Appendix 4-II, Appendix H5; OPSS 182), and <i>Construction Specifications for Control of Water from Dewatering Operations</i> (refer to Appendix 4-II, Appendix H6; OPSS 518).		•			•
235	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads –Access Roads Placement – Contractor Measures #20 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Unless approved by the appropriate regulatory agency, all access roads will be setback 30 m from all water bodies, except at water body crossing locations as identified in the crossing lists (i.e., access roads will not cross into the 30 m water body buffer).		•			•

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
236	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Vehicle Use – Contractor Measures #21 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Vehicle Use – Contractor Measures #10 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Vehicle use on access roads will be in accordance with applicable laws (e.g., speed limit, road weight restriction) and road use agreements (e.g., load restrictions).		•			•
237	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Vehicle Use – Contractor Measures #23 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Water Bodies – Contractor Measures #22 OEMP Section 5.2 – Access and Travel on Right-of-Way – Vehicles and Equipment OEMP Section 5.2 – Access and Travel on Right-of-Way – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Vehicles and equipment will cross water bodies using existing and/or approved equipment crossings.		•	•	•	•
238	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Vehicle Use – Contractor Measures #26 OEMP Section 5.2 – Access and Travel on Right-of-Way – Vehicles and Equipment EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	Project personnel will avoid unnecessary wheel spin.		•	•	•	•
239	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Vehicle Use – Contractor Measures #28 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Transportation, Storage, and Handling – Contractor Measures #16 EA Report – Section 10 – Greenhouse Gases EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Minimize the frequency of the transport of goods and equipment, where practicable.		•			•
240	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Snow Management – Contractor Measures #29	Windrowed snow will be stored on the allotted ROW and/or workspace (i.e., not pushed into the trees).		•			•
241	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Snow Management – Contractor Measures #30	Install breaks in snow banks along the access road to allow passage by ungulates.		•			•
242	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Snow Management – Contractor Measures #32 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	Imported fill materials must be clean and free of contaminants, as classified under the <i>Environmental Protection Act</i> Ontario Regulation 153/4 Records of Site Condition – Part XV.1 of the Act (MOECC 1978).		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
243	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Bedrock – Contractor Measures #33 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Bedrock – Contractor Measures #13 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Ripping is preferred over blasting where rock is encountered.		•			•
244	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Bedrock – Contractor Measures #34 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Bedrock – Contractor Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Use of explosives for foundation excavations and access roads will be limited to conditions that do not allow for typical or standard drilling methods.		•			•
245	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Bedrock – Contractor Measures #35 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Bedrock – Contractor Measures #15 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	In the event that blasting is required, adhere to the Blasting Management Plan (refer to Appendix 4-II, Section 8.3).		•			•
246	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Bedrock – Contractor Measures #36 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Bedrock – Contractor Measures #17 EA Report – Section 6 – Geology, Terrain and Soils	Import additional or replacement backfill, if warranted, from approved locations.		•			•
247	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Contractor Measures #38 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Apply geotextile, matting (refer to Appendix 4-II, Appendix B, Figure B-13) or fill material (e.g., gravel) as appropriate. Place a membrane (filter fabric) between fill material and soil to minimize admixing.		•			•
248	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Contractor Measures #39	Follow measures outlined in the Soil Handling Contingency Plan (refer to Appendix 4-II, Section 7.2) when working under wet conditions.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
249	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Contractor Measures #40 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Strip topsoil within the Project Site, except where prohibited based on site-specific features.		•			•
250	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Contractor Measures #41 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Topsoil Stripping – Contractor Measures #5 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Topsoil Stripping – Contractor Measures #22 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Topsoil Stripping – Contractor Measures #9EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Remove soil in lifts and strip available topsoil in one lift.		•			•
251	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Contractor Measures #43 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Topsoil Stripping – Contractor Measures #23 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Topsoil Stripping – Contractor Measures #10EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Rip frozen topsoil to the same depth as the stripping requirements. Do not over rip and overstrip.		•			•
252	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Topsoil Stripping – Contractor Measures #44	If working under wet conditions, implement the measures outlined in the Soil Handling Contingency Plan (refer to Appendix 4-II, Section 7.2).		•			•
253	CEPP Section 6.2 – Access Roads – Topsoil Handling Contingency Measures – Contractor Measures #45 CEPP Section 6.3 – Geotechnical Investigations – Topsoil Handling Contingency Measures – Contractor Measures #6 CEPP Section 6.4 – Temporary Workspaces – Topsoil Handling Contingency Measures – Contractor Measures #24 CEPP Section 6.5 – Transmission Foundation and Anchor Construction – Topsoil Handling Contingency Measures – Contractor Measures #12 EA Report – Section 6 – Geology, Terrain and Soils	Implement the Soil Handling Contingency Plan (refer to Appendix 4-II, Section 7.2) during topsoil stripping if one of the following are encountered: <ul style="list-style-type: none"> ▪ little or no topsoil; ▪ uneven boundary between topsoils and subsoils; ▪ poor colour separation between topsoils and subsoils; ▪ stony soils; ▪ wet conditions; ▪ high winds; or ▪ requests for alternate topsoil handling methods that the Owner has received from a landowner. 		•			•

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
254	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Soil Storage – Contractor Measures #46 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Soil Storage – Contractor Measures #7 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Soil Storage – Contractor Measures #25 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Soil Storage– Contractor Measures #18	Soil piles should be staked indicating the soil layer being stored for identification during replacement.		•			•
255	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Soil Storage – Contractor Measures #48 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Soil Storage – Contractor Measures #10	Stockpile topsoil adjacent or near the access road for use during reclamation and clean-up and in such a way as to not interfere with Project activities.		•			•
256	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Soil Storage – Contractor Measures #49 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Soil Storage – Contractor Measures #11 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Soil Storage – Contractor Measures #28 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Soil Storage– Contractor Measures #22EA Report – Section 12 – Vegetation and Wetlands	Stripped soil is to be stored on level ground outside the protective vegetative setbacks for the associated environmentally sensitive features (wetlands, waterbodies, SWH).		•			•
257	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Soil Storage – Contractor Measures #50 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Soil Storage – Contractor Measures #12 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Soil Storage – Contractor Measures #29 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Soil Storage– Contractor Measures #23	Do not place stripped soils in surface drainage channel or wetland.		•			•
258	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Soil Storage – Contractor Measures #51 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Soil Storage – Contractor Measures #30 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Soil Storage– Contractor Measures #24 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Fill Material – Contractor Measures #5 EA Report – Section 7 – Surface Water	Install, monitor and manage appropriate erosion and sedimentation controls as outlined in the Erosion and Sedimentation Control Management Plan (refer to Section 8.1) to filter or direct runoff away from water bodies.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
259	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #53	Strip topsoil from areas to be graded and store in a location that will not allow for mixing of topsoil with excavated subsoil and graded material. The area stripped is to correspond to the area to be graded.		•			•
260	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #54 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Do not mix topsoil and subsoil disturbed during grading with foreign material (e.g., stumps and brush).		•			•
261	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #55 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Limit grading on slopes prone to erosion or steep slopes.		•			•
262	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #56 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 13 – Fish and Fish Habitat	Reduce grading near water bodies. Limit the width of grading to reduce the potential for erosion and subsoil compaction.		•			•
263	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #57 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Conduct grading away from water bodies to reduce the risk of sediment and other material entering the water body.		•			•
264	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #58 EA Report – Section 6 – Geology, Terrain and Soils	Limit disturbance to natural drainages during grading; avoid blocking drainages with graded material; install culverts if necessary.		•			•
265	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #59	Do not place windrowed or graded material in water bodies during grading.		•			•
266	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #60	Do not store graded material in low or wet areas.		•			•
267	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Grading – Contractor Measures #61 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Leave gaps in the windrows, at drainage courses, access roads/trails and wildlife trails.		•			•
268	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Road Salt – Contractor Measures #63 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	If the General Contractor (Valard) plans to use salt on access roads constructed, or within the Project Site, it must prepare, and submit for approval to the Owner, a Salt Management Plan. Owner will consult with applicable regulatory agency (MNRF, MECP, MTO) if required.		•			•
269	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Road Salt – Contractor Measures #64 EA Report – Section 7 – Surface Water EA Report – Section 14 – Wildlife and Wildlife Habitat	The Salt Management Plan should consider Industry Best Management Practices for road salt management.		•			•

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COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
270	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Owner Measures #1 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Obtain regulatory approvals as required from applicable regulatory agencies (MNRF, DFO, and/or LRCA) prior to installation of water body crossing structures. The Owner will consult with the appropriate regulatory agency to discuss any alternatives or modifications to the crossing requirements specified in approvals before construction begins.	•	•		•	
271	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Owner Measures #2	If water taking is required for the purposes of construction and/or water supply, register the activity on the Environmental Activity and Sector Registry (EASR) or obtain a Permit To Take Water (PTTW) from the MECP as appropriate.	•	•		•	
272	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Owner Measures #3 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Regulatory Approval – Owner Measures #2 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Regulatory Approvals – Owner Measures #4	Short-term water diversions (active or passive) will be conducted in accordance with O. Reg. 387/04 as amended by O. Reg. 64/16 under Ontario <i>Water Resources Act</i> .	•	•		•	
273	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Owner Measures #4 EA Report – Section 13 – Fish and Fish Habitat	Obtain regulatory approval from the appropriate regulator, as applicable, and salvage any fish behind isolation structures and relocate under the guidance of a qualified fisheries expert prior to instream construction. The fish salvage will involve techniques to capture all of the fish potentially present, including northern brook lamprey where the habitat is likely to support this species.	•	•		•	
274	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Owner Measures #5 EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	It is anticipated that regulatory approval under the <i>Navigation Protection Act</i> will be required at scheduled navigable waters crossed by the Project (Lake Superior and Nipigon River) and may be required at non-scheduled navigable waters. The Owner will provide <i>Navigation Protection Act</i> approval conditions prior to construction of each workfront, which may include notifications.	•			•	
275	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Notification – Owner Measures #5	Regulatory approvals for water body crossings may require notifications; the Owner will notify regulators as required.	•	•		•	
276	CEPP Section 6.2 – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #7 CEPP Section 6.2 – Access Roads – Water Body Crossings – Undocumented Water Body – Contractor Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	In the event that a previously unidentified water body is suspected or encountered, the Undocumented Water Body Discovery Contingency Plan (refer to Appendix 4-II, Section 7.7) will be implemented.		•		•	•
277	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #9 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Environmental Inspectors will be on-site during construction to monitor the installation of temporary equipment water body crossing structures.		•		•	
278	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #10 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Construction Monitoring – Owner Measures #4	The Owner will provide the appropriate resource specialist, if required, to assess the potential impacts to the water body as required.		•		•	

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
279	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #11 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Construction Monitoring – Owner Measures #5 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat	Monitoring of turbidity and/or total suspended solids, streamflow rates, and/or water levels, at water body crossings in accordance with the requirements of regulatory permits and approvals.		•		•	
280	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #12 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Construction Monitoring – Owner Measures #6 EA Report – Section 13 – Fish and Fish Habitat	Pump intakes will be continually inspected for entrained or impinged fish where instream work is completed.		•		•	
281	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #13 EA Report – Section 13 – Fish and Fish Habitat	The integrity of the water body crossing structures will be inspected regularly and during periods of high run-off, such as the spring freshet. Any changes to the morphology of the water body channel will be identified and addressed, as needed.		•		•	
282	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Contractor Measures #1 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Construct water body crossing structures according to the crossing method identified on the Environmental Alignment Sheets and the Access and Construction Environmental Maps and summarized in the water body crossing lists (refer to Appendix 4-II, Appendix I) and in accordance with regulatory approvals.		•			•
283	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Contractor Measures #2 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Water body crossings will be designed and constructed in compliance with LRCA, DFO and/or MNR regulatory permits and approvals, if applicable, recognizing that all newly installed or upgraded crossing structure at mapped or unmapped water bodies are expected to require permitting through one or more of O. Reg. 239/13 under the <i>Public Lands Act</i> (administered by MNR for water body crossings on Public/Crown land), O. Reg. 454/96 under the <i>Lakes and Rivers Improvements Act</i> (administered by MNR for water body crossings on Private or Crown Land), the <i>Provincial Parks and Conservation Reserves Act</i> (PPCRA) (administered by MNR for water body crossings within provincial parks and conservation reserves), the <i>Fisheries Act</i> and <i>Species at Risk Act</i> (administered by DFO), and O. Reg. 180/06 for the Development, Interference with Wetlands and Alterations to Shorelines and Watercourses under the <i>Conservation Authorities Act</i> (Government of Ontario 1990a; administered by LRCA for water body crossings in LRCA jurisdiction).		•			•
284	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Contractor Measures #6 OEMP Section 5.1 – General Mitigation Measures – Water Bodies OEMP Section 5.2 – Access and Travel on Right-of-Way – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Follow applicable measures from DFO's <i>Measures to Avoid Causing Harm to Fish and Fish Habitat Including Aquatic Species at Risk</i> (DFO 2016).		•	•	•	•

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			Prior to Construction	Construction	Operation	Owner	Contractor
285	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Regulatory Approvals – Contractor Measures #7 EA Report – Section 13 – Fish and Fish Habitat	Water diversion hoses will be screened as per the <i>Freshwater Intake End of Pipe Fish Screen Guidelines</i> (refer to Appendix 4-II, Appendix H7; DFO1995).		•			•
286	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Schedule – Contractor Measures #13 EA Report – Section 12 – Vegetation and Wetlands	Postpone instream construction if excessive flows or flood conditions are present or anticipated. Resume activities when water levels have subsided or equipment/techniques suitable for conditions are deployed.		•			•
287	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Equipment and Material – Contractor Measures #15 EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Necessary equipment and materials required for water body crossing structures will be on site and ready for installation prior to commencing instream work. Clean construction equipment in accordance with the <i>Clean Equipment Protocol for Industry</i> (refer to Appendix 4-II, Appendix H1; Halloran et al. 2013) prior to constructing water body crossings.		•			•
288	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Erosion and Sedimentation Control – Contractor Measures #17 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Follow applicable measures from Ontario's <i>Provincial Standards for Temporary Erosion and Sediment Control Measures</i> (refer to Appendix 4-II, Appendix H4; OPSS 805).		•			•
289	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Erosion and Sedimentation Control – Contractor Measures #18 EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Erosion and sedimentation control measures will be implemented to prevent site runoff from reaching the water body.		•			•
290	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Erosion and Sedimentation Control – Contractor Measures #19 OEMP Section 5.1 – General Mitigation Measures – Erosion and Sedimentation Control EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Specific measures such as the use of berms or check dams, sediment fences, sumps or settling ponds will be undertaken as required to prevent sediment laden water from entering a water body.		•	•	•	•
291	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Water Body Crossing Structures – Contractor Measures #20 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Where feasible, water body crossings structures will not be located on meander bends, braided watercourses, alluvial fans, active flood plains, or any other area that is inherently unstable and may result in the alteration of natural drainage, erosion, and/or scour.		•			•
292	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Water Body Crossing Structures – Contractor Measures #21 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Water body crossings shall not impede or reduce natural water flows at any time of year .		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
293	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Water Body Crossing Structures – Contractor Measures #22 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Repair or replace the water body crossing structures, if warranted, as soon as practicable after noticing repairs or replacements are necessary.		•			•
294	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Clear-Span Structure – Contractor Measures #23 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Water Bodies – Contractor Measures #23 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Use existing bridges to cross water bodies and comply with conditions outlined in road use agreements.		•			•
295	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Clear-Span Structure – Contractor Measures #24 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat	Under non-frozen conditions and where regulatory approvals allow, clear-span structures (e.g., clear-span bridges or rig mats) will be installed to limit impacts to water bodies.		•			•
296	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Clear-Span Structure – Contractor Measures #25 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Install clear-span structures using best management practices and following all environmental approval conditions (refer to Appendix 4-II, Appendix B, Figures B-7, B-8 and B-9).		•			•
297	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Clear-Span Structure – Contractor Measures #27 EA Report – Section 13 – Fish and Fish Habitat	Line clear-span bridges with impervious geotextile.		•			•
298	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Clear-Span Structure – Contractor Measures #28 EA Report – Section 13 – Fish and Fish Habitat	Side containment for clear-span bridges must be constructed of plywood or logs.		•			•
299	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #29 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat	Install culverts in accordance with environmental guidelines for access roads and water crossings.		•			•
300	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #30 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Instream construction will be completed in isolation of flowing water (i.e., use isolation methods for the installation and removal of culverts where surface water exists at the time of construction) (refer to Appendix B, Figure B 5).		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
301	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #31 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #20 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Use the dam and pump method during culvert installations and removals to maintain downstream flow and reduce sediment mobilization caused by instream construction (refer to Appendix 4-II, Appendix B, Figure B-5), recognizing that the dam and pump system will be implemented in accordance with the conditions outlined in O.Reg. 64/16 (i.e., exemption conditions for PTTW), as well as applicable MNRF approvals (e.g., Work Permits under the <i>Public Lands Act</i> , Licence to Collect Fish under the <i>Fish and Wildlife Conservation Act</i> , and work permits under the <i>Lakes and Rivers Improvement Act</i> , if required).		•			•
302	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #32 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #21 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Construct upstream and downstream dams of sandbags, cube bags, meter bags, steel plates or Aquadams™. Clean, non-earthen materials will be used to isolate the workspace. Earthen berms will not be used to isolate the workspace.		•			•
303	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #33 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Pump bypass water from upstream, across the isolated workspace through a hose and onto an energy dissipation device prior to entering the water body downstream from the isolated workspace.		•			•
304	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #34 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #23 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Dewatering – Contractor Measures #28 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Pump grey water (i.e., water that cannot be returned into a water body) onto stable, well vegetated areas, sheeting, rocks, sand bags, or into settling ponds, or other appropriate sediment filtering devices. Complete dewatering in a manner that does not cause erosion or allow sediment to re-enter a water body (at least 50 m away). Grey water should not flow directly into a water body.		•			•
305	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #35 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #24 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Continuously monitor dams for proper seal.		•			•
306	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #36 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #25 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Place the pumps and generators in a secondary containment as described to prevent fuel and any other deleterious substance from impacting soil, vegetation, or a water body.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
307	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #37 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #26 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Pump intakes should not disturb the bed.		•			•
308	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #38 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #27 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Monitor the pumping operation at all times, and adjust the pump as necessary to maintain 100% downstream flow of water and near-normal water levels upstream and downstream from the isolated workspace.		•			•
309	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #39 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #28 EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	A backup pump and extra hoses of equal or greater capacity must be on site at all times in case the primary pump fails.		•			•
310	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #40 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #29 EA Report – Section 7 – Surface Water	Prior to removal of the isolation, accumulated sediment and spoil materials within the isolated area will be removed to a location where they will not re-enter any water body.		•			•
311	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Culvert – Contractor Measures #41 EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Routinely (e.g., before and/or after spring freshet) inspect and maintain culverts to prevent blockages from forming and causing ponding or backwater effects. Where culverts are installed at fish-bearing water bodies, debris removal activities will follow MNRF and DFO's guidance (i.e., gradual removal such that flooding downstream, extreme flows downstream, release of suspended sediment, and fish stranding can be avoided).		•			•
312	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Ice Bridge – Contractor Measures #43 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat	During winter construction, ice bridge may be used as temporary crossing structures to travel over frozen water bodies if approved by the appropriate regulatory agency.		•			•
313	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Ice Bridge – Contractor Measures #44	Install ice bridge using clean (ambient) water drawn from an approved source and/or clean snow ploughed-in from surrounding areas (refer to Appendix 4-II, Appendix B, Figures B-11 and B-12).		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
314	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Ice Bridge – Contractor Measures #45 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Ice Bridge – Contractor Measures #46EA Report – Section 13 – Fish and Fish Habitat	Install ice bridges only at sites with gently sloping banks. Use snow and ice to slope approaches. Use the following best management practices during ice bridge or snow fill construction: <ul style="list-style-type: none"> Construct ice bridge approaches using clean, compacted snow and ice to a sufficient depth to protect the banks of the water body. Do not place any fill below the high-water mark of the water body (except temporary snow fill). However, clean logs may be used to stabilize approaches. Where logs are used to stabilize the approaches of an ice bridge: <ul style="list-style-type: none"> The logs are clean and securely bound together so they can be easily removed. No logs or woody debris are to be left within the water body or on the banks or shoreline where they can wash into the water body. 		•			•
315	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Snow Fill – Contractor Measures #48 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Snow Fill – Contractor Measures #49 EA Report – Section 13 – Fish and Fish Habitat	Install snow fill only at sites with gently sloping banks. Use snow and ice to slope approaches. Use the following best management practices during ice bridge or snow fill construction: <ul style="list-style-type: none"> Construct snow fill approaches using clean, compacted snow and ice to a sufficient depth to protect the banks of the water body. Do not place any fill below the high-water mark of the water body (except temporary snow fill). However, clean logs may be used to stabilize approaches. Where logs are used to stabilize the approaches of a snow fill: <ul style="list-style-type: none"> The logs are clean and securely bound together so they can be easily removed. No logs or woody debris are to be left within the water body or on the banks or shoreline where they can wash into the water body. 		•			•
316	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Beaver Dam Removal or Dewatering – Contractor Measures #50 EA Report – Section 13 – Fish and Fish Habitat	Any fish within the beaver dam impoundment will be salvaged and relocated under the guidance of a qualified fisheries expert prior to and during dewatering, provided it is safe to do so and appropriate. Regulatory approval from the MNRF will be obtained to complete the fish salvage. The fish salvage will involve techniques to capture all of the fish potentially present, including Northern Brook Lamprey where the habitat is likely to support this species. Following dewatering, fish stranded in pools or newly flooded areas will be salvaged and relocated.		•			•
317	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Beaver Dam Removal or Dewatering – Contractor Measures #51 EA Report – Section 13 – Fish and Fish Habitat	Beaver dam removal will be completed gradually, with removal works completed by hand if possible to allow for more gradual draining that minimizes scour, sedimentation, and fish stranding.		•			•
318	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Beaver Dam Removal or Dewatering – Contractor Measures #52	Beaver dam removal will be avoided in the winter when the impoundment is frozen to avoid causing stress to overwintering fish and discharging potentially oxygen depleted water into downstream fish habitat.		•			•
319	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Beaver Dam Removal or Dewatering – Contractor Measures #53 EA Report – Section 13 – Fish and Fish Habitat	If the beaver dam is altered, the width of the opening in the beaver dam will not exceed the width of the original channel.		•			•
320	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Beaver Dam Removal or Dewatering – Contractor Measures #54 EA Report – Section 13 – Fish and Fish Habitat	If a series of beaver dams is being removed, the removal will be completed in a downstream to upstream order to minimize downstream flooding and erosion.		•			•
321	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Beaver Dam Removal or Dewatering – Contractor Measures #55 EA Report – Section 13 – Fish and Fish Habitat	Beaver dam removal will avoid damaging the original channel bed and banks. If any disturbance occurs, banks will be restored to a stable condition.		•			•
322	CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations EA Report – Section 4 – Project Description	Geotechnical investigations will be undertaken for consideration in the detailed foundation design.		•		•	•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
323	CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Regulatory Approval – Owner Measures #1 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Regulatory Approvals – Owner Measures #1 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Regulatory Approvals – Owner Measures #3 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	All short-term water takings from surface water and/or groundwater sources for construction purposes will be conducted in accordance with O. Reg. 387/04 as amended by O. Reg. 64/16 under the <i>Ontario Water Resources Act</i> and industry best standards, where applicable, recognizing that designated water taking activities will require registration on the EASR or a PTTW from the MECP.		•		•	
324	CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Survey and Flagging – Contractor Measures #1	The boundary of the structure locations will be surveyed and marked prior to the start of geotechnical investigations.		•			•
325	CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Soil Replacement – Contractor Measures #13	Upon completion of the investigations, replace and compact soils back in the drill hole.		•			•
326	CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Soil Replacement – Contractor Measures #14 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #47 CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Subsoil Replacement – Contractor Measures #13	Spread surplus excavated subsoil as evenly as possible throughout stripped areas of Project Site.		•			•
327	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Regulatory Approvals – Owner Measures #2 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Regulatory Approvals – Owner Measures #5 CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Regulatory Approval – Owner Measures #1 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater	All discharges of Project wastewater will be conducted in accordance with O. Reg. 387/04 as amended by O. Reg. 64/16 under the <i>Ontario Water Resources Act</i> or O. Reg. 63/16 under the <i>Environmental Protection Act</i> , where applicable, recognizing that these discharge activities will require permitting or approvals through EASR, PTTW, or an Environmental Compliance Approval.		•		•	
328	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Regulatory Approvals – Owner Measures #3 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Regulatory Approvals – Owner Measures #6 CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Regulatory Approval – Owner Measures #2 EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater	As part of the permitting and/or approvals process associated with EASR, PTTW and Environmental Compliance Approval (ECA), a discharge plan and supporting technical analysis will be developed for each source of wastewater discharge.		•		•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
329	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Construction Monitoring – Owner Measures #4 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Construction Monitoring – Owner Measures #7 CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Construction Monitoring – Owner Measures #4 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water	Monitoring of one or more surface water quantity and quality parameters at water taking locations to satisfy the conditions/requirements of applicable EASR or PTTWs related water taking and discharge plans.		•		•	
330	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Regulatory Approvals – Contractor Measures #1 CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Regulatory Approval – Contractor Measures #1 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 8 –Groundwater	Obtain necessary environmental regulatory approvals from applicable municipality for sewage, water supply and solid waste disposal.		•			•
331	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Survey and Flagging– Contractor Measures #8	Environmentally sensitive areas and their associated setbacks, as shown on the Environmental Alignment Sheets and the Access and Construction Environmental Maps will be flagged.		•			•
332	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Survey and Flagging– Contractor Measures #10	Roads, pipelines, railroad or other crossings will be flagged so that they are crossed as indicated in crossing agreements and/or as per conditions of regulatory approvals.		•			•
333	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Temporary Workspaces Placement – Contractor Measures #15 EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	Temporary workspaces are shown on the Environmental Alignment Sheets and the Access and Construction Environmental Maps.		•			•
334	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Temporary Workspaces Placement – Contractor Measures #16 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	If additional temporary workspaces are required, identify the workspace location as soon as possible prior to construction of each workforce so the Owner can acquire applicable environmental permits and approvals.		•			•
335	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Temporary Workspaces Placement – Contractor Measures #17 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	The additional temporary workspaces should be located within previously disturbed areas, and/or at reasonably flat locations with stable soil, wherever practicable.		•			•
336	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Temporary Workspaces Placement – Contractor Measures #18 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Locate temporary workspaces outside the appropriate vegetation buffer/setback for the feature (e.g. 30-90 m slope dependent buffer). and apply appropriate mitigation and remediation measures , wherever practicable. If Project activities require equipment within the appropriate vegetation buffer/setback for the feature (e.g. 30-90 m slope dependent buffer). and apply appropriate mitigation and remediation measures (e.g., line stringing), the General Contractor (Valard) will notify the Owner to obtain the appropriate regulatory approvals.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
337	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Topsoil Stripping – Contractor Measures #20	Strip topsoil within the temporary workspaces.		•			•
338	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Soil Storage – Contractor Measures #27 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Soil Storage– Contractor Measures #21	Stockpile topsoil adjacent to each workspace on the Project Site for use during reclamation and clean-up and in such a way as to not interfere with Project activities.		•			•
339	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Fill Material – Contractor Measures #32 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Snow Management – Contractor Measures #31	Obtain fill material (e.g., gravel, shipped rock) from a legal source .		•			•
340	CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Erosion and Sedimentation Control – Contractor Measures #35 CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Temporary Erosion Control Measures – Contractor Measures #9 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	Temporary erosion control measures must be: <ul style="list-style-type: none"> ▪ properly installed; ▪ installed before or initial disturbance; and ▪ regularly inspected and properly maintained (e.g., repaired, replaced or supplemented with functional materials) throughout construction until permanent erosion control is established, or reclamation is complete. 		•			•
341	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Construction Monitoring – Owner Measures #8 EA Report – Section 8 – Groundwater	Monitor and manage excavation dewatering activities during the installation of transmission structure foundations.		•		•	
342	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Surveying and Flagging – Contractor Measures #5	The boundaries of the transmission structure foundations (e.g., tower legs, stub-anchor and guy-anchor) will be surveyed and marked with stakes prior to the start of foundation construction.		•			•
343	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Topsoil Stripping – Contractor Measures #7	Strip all topsoil within the transmission structure foundations areas.		•			•
344	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Topsoil Stripping – Contractor Measures #8	Topsoil stripping may not be required at micro pile or anchor sites. .		•			•
345	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Bedrock – Contractor Measures #16 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	Fractures created from blasting adjacent to the transmission foundation may be filled with grout.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
346	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Soil Storage– Contractor Measures #19 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Soil Storage – Contractor Measures #47 CEPP Section 6.3 – Transmission Line Construction Environmental Protection Measures – Geotechnical Investigations – Soil Storage – Contractor Measures #8 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Soil Storage – Contractor Measures #26 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Sufficient space (approximately 1 m) shall be left between the topsoil and subsoil piles. If space is limited, separate stripped topsoil and excavated subsoil using a visible separation barrier (e.g. biodegradable filter cloth, geotextile fabric, snow).		•			•
347	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Wildlife – Contractor Measures #27	Temporarily fence off open excavations or auger holes left unsupervised to prevent wildlife mortality.		•			•
348	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Dewatering – Contractor Measures #29	Dewatering locations must be discussed with the Owner prior to starting discharge. No water will be discharged off the Project Site, without prior discussion with the Owner.		•			•
349	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Dewatering – Contractor Measures #30	If water is released onto private land, landowner consent must be acquired prior to release.		•			•
350	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Dewatering – Contractor Measures #31	Hoses and pumps shall have the sufficient length and capacity to transfer water to the desired location.		•			•
351	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Dewatering – Contractor Measures #32	Place pumps in a secondary containment tub to prevent spill and follow spill prevention measures outlined in the Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Section 7.1).		•			•
352	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Dewatering – Contractor Measures #33	Hoses must be in good working condition, and hoses with tears or ruptures will be repaired or replaced.		•			•
353	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Artesian Groundwater – Contractor Measures #34 EA Report – Section 8 – Groundwater	Identify artesian conditions before excavating for foundations and dewatering measures adjusted accordingly.		•			•
354	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Artesian Groundwater – Contractor Measures #35 EA Report – Section 8 – Groundwater	If artesian conditions are encountered during construction, implement the following measures: <ul style="list-style-type: none"> ▪ Maintain an adequate supply of grout and water on site to mix cement grouting; ▪ maintain an adequate supply of containment to respond to large volumes of water; ▪ the General Contractor (Valard) will also provide a list of required stand-by equipment (e.g., blow out preventers, packers, additional riser pipe and couplings, pumps and tubing); ▪ use a blasting emulsion that is not readily soluble; ▪ implement other measures that are deemed necessary to: <ul style="list-style-type: none"> – control or stop the discharge of water from within the excavated area; – prevent the surface water discharge into the excavated area; and – prevent groundwater originating near the well from discharging at the surface at a distance that will prevent the water to flow back into the excavated area. 		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
355	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Concrete Management – Contractor Measures #36 EA Report – Section 8 – Groundwater	The following measures in the concrete management section apply to concrete, cement, mortars, grouts and other Portland cement or lime-containing construction materials. <ul style="list-style-type: none"> Isolate concrete work areas to prevent direct flow into water bodies so that water does not become more alkaline during construction. Prevent water that contacts uncured or partly cured concrete during activities from directly or indirectly entering a water body. Water that contacts uncured or partly cured concrete and does not meet provincial water quality criteria will not be released directly to the environment. Do not use crushed concrete as fill material for foundation excavations. Do not deposit, directly or indirectly, uncured concrete, cement, mortar, grout or other lime containing construction materials into or near a water body. Do not wash concrete delivery trucks, concrete pumping equipment and other tools and equipment within 100 m of a water body. Remove excess concrete from the Project Site and dispose of in accordance with construction waste disposal requirements in the Waste Management Plan. Isolate and hold any water that contacts uncured or partly cured concrete until the pH is between 6.5 and 8.5 and water meets provincial water quality criteria the turbidity is less than 25 nephelometric turbidity units (NTU) measured to an accuracy of +/- 2 NTU. The owner/operator of a concrete batch plant (i.e., General Contractor (Valard)) must have an ECA for the plant and comply with the conditions of the ECA. Report spills of sediments, fines, concrete fines, wash or contact water to the Owner. Implement the Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Section 7.1). 		•			•
356	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Concrete Management – Contractor Measures #37 EA Report – Section 8 – Groundwater	If concrete work is required within the 30 m water body buffer, the General Contractor (Valard) will develop a Concrete Management Plan and submit to the Owner for review and approval prior to start of foundation construction.	•	•			•
357	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Concrete Management – Contractor Measures #38 EA Report – Section 8 – Groundwater	The Concrete Management Plan should consider the following: <ul style="list-style-type: none"> Frequently monitor the pH immediately downstream of the isolated work area until completion of the concrete work. Emergency measures shall be implemented if downstream pH exceeds provincial water quality standards. Maintain complete isolation of cast-in-place concrete and grouting from fish-bearing waters for a minimum of 48 hours if the ambient air temperature is above 0°C and for a minimum of 72 hours if ambient air temperature is below 0°C. 		•			•
358	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Welding – Contractor Measures #39	Project personnel will dispose of welding rods, and other hot or burning items appropriately to reduce fire hazard.		•			•
359	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Welding – Contractor Measures #40	If the fire hazard is high, follow fire prevention measures outlined in the Fire Prevention Plan (refer to Appendix 4-II, Section 7.3).		•			•
360	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Welding – Contractor Measures #41 CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Equipment – Contractor Measures #6 OEMP Section 5.5 – Environmental Management During Operation – Fire Prevention EA Report – Section 12 – Vegetation and Wetlands	Each vehicle will carry the fire-fighting equipment required by the <i>Forest Fires Prevention Act</i> and <i>Fire Protection and Prevention Act</i> . Each crew must carry a two-way radio or cell phone.		•			•
361	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #42	Use excavated subsoil to backfill the excavation, wherever practicable.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
362	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #43	To the extent practicable, attempt to schedule delivery of imported fill material so it can be installed directly into the excavation upon arrival at the transmission structure site rather than being temporarily stored on the ROW prior to being backfilled.		•			•
363	CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Snow Management – Contractor Measures #32 CEPP Section 6.4 – Transmission Line Construction Environmental Protection Measures – Temporary Workspaces – Fill Material – Contractor Measures #33 CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #44	Imported backfill materials must be clean and free of contaminants, as classified under the <i>Environmental Protection Act</i> Ontario Regulation 153/4 Records of Site Condition – Part XV.1 of the Act (Government of Ontario 2014).		•			•
364	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #45	Backfill each lift in the correct sequence.		•			•
365	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #46	Backfill to the surface and mound to allow for drainage away from the transmission structure and settlement of soils.		•			•
366	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #48	Evenly replace topsoil upon completion of backfilling.		•			•
367	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #49	Avoid scalping sod and/or topsoil during backfilling. Use suitable equipment to reduce the potential for scalping.		•			•
368	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #50	Use suitable equipment to break up clods or frozen soils if required.		•			•
369	CEPP Section 6.5 – Transmission Line Construction Environmental Protection Measures – Transmission Foundation and Anchor Construction – Backfilling – Contractor Measures #51	Avoid mixing snow into backfill material.		•			•
370	CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection	Previously disturbed areas will be selected for laydown yards wherever possible. It is anticipated that, depending on terrain and access, some transmission structures will be assembled in laydown yards, some transmission structures will be assembled at suitable locations along the ROW, and some transmission structures will be assembled at the foundation location.		•			•
371	CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection	For easily accessed areas, parts of the structures (e.g., cross arms) may be brought to the site via truck using access roads and/or the existing ROW and assembled onsite. Where access is difficult or not available, transmission structures may be delivered to the installation locations and erected using a helicopter.		•			•
372	CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection – Regulatory Approvals – Owner Measures #1	Adherence to lighting and marking requirements under the <i>Canadian Aviation Regulations Standard 621 – Obstruction Marking and Lighting</i> for the installation of transmission structure and for the use of crane during transmission structures erection.		•		•	
373	CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection – Project Site – Contractor Measures #1	Confine transmission structure assembly, erection and setting work to the Project Site.		•			•
374	CEPP Section 6.6 – Transmission Line Construction Environmental Protection Measures – Transmission Structure Assembly and Erection – Survey and Flagging – Contractor Measures #8 EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Avoid placement of equipment or any other construction materials within a wetland or within the 30 m water body buffer.		•			•

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
375	CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning	Conductor stringing efforts may begin once transmission structure assembly and erection of a stringing section is complete.		•			•
376	CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Regulatory Approval and Notification – Owner Measures #1	It is anticipated that regulatory approval under the <i>Navigation Protection Act</i> will be required at scheduled navigable waters crossed by the Project (Lake Superior and Nipigon River) and may be required at non-scheduled navigable waters. The Owner will provide <i>Navigation Protection Act</i> approval conditions prior to start stringing, which may include notifications.	•			•	
377	CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Stringing Sites Placement – Contractor Measures #1	If stringing sites are required these should be located within previously disturbed areas and/or at reasonably flat locations with stable soil, wherever practicable.		•			•
378	CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Stringing Sites Placement – Contractor Measures #2	For stringing sites, avoid environmentally sensitive features. If avoidance is not possible, Project-specific environmental resources mitigation and timing restrictions will apply (refer to Appendix 4-II, Appendix I).		•			•
379	CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Stringing over Navigable Waterways and Water Bodies – Contractor Measures #7	It is anticipated that regulatory approval under the <i>Navigation Protection Act</i> will be required at scheduled navigable waters crossed by the Project (Lake Superior and Nipigon River) and may be required at non-scheduled navigable waters. The General Contractor (Valard) will follow all approval conditions.		•			•
380	CEPP Section 6.7 – Transmission Line Construction Environmental Protection Measures – Conductor Stringing and Tensioning – Implosive Connectors – Contractor Measures #8	Adhere to the Blasting Management Plan (refer to Appendix 4-II, Section 8.3) when engineered implosive charge are used to splice transmission conductor (wire) joints.		•			•
381	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures	Temporary workspaces that are not required for Project operation will be decommissioned following completion of Project construction. This will include the decommissioning of laydown yards, storage yards, construction camps, construction easement, temporary access roads and temporary water body crossing structures. No temporary buildings or structures associated with the temporary infrastructure will be left on the Project Site upon completion of decommissioning, unless in accordance with third-party agreements.		•			•
382	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures	The goals of decommissioning temporary infrastructure are to remove the temporary infrastructure, stabilize and revegetate disturbed areas and return site as close as possible to its natural state while maintaining access and appropriate drainage to support operation and maintenance standards.		•			•
383	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Regulatory Approvals – Owner Measures #1 EA Report – Section 13 – Fish and Fish Habitat	Obtain regulatory approval from the applicable regulatory agencies (MNRF, DFO, and/or LRCA), as applicable, and salvage any fish behind isolation structures and relocate under the guidance of a qualified fisheries expert prior to instream construction. The fish salvage will involve techniques to capture all of the fish potentially present, including Northern Brook Lamprey where the habitat is likely to support this species.	•			•	
384	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Final Inspection – Owner Measures #2 CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Final Inspection – Owner Measures #2 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat	The Owner will conduct a final site inspection to assess that clean-up, reclamation, and erosion and sediment controls are complete and satisfactory before equipment is removed from the Project Site.		•	•	•	
385	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Construction Monitoring – Owner Measures #3 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #9 EA Report – Section 13 – Fish and Fish Habitat	Environmental Inspector will be on-site during construction to monitor the removal of temporary equipment water body crossing structures.		•		•	
386	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Fill Material – Contractor Measures #2 EA Report – Section 8 – Groundwater	Remove fill material (e.g., gravel, shipped rock) and geotextile membrane if used during construction.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
387	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Fill Material – Contractor Measures #3 EA Report – Section 12 – Vegetation and Wetlands	Fill material requiring temporary storage will be placed on level ground and outside of the appropriate setback based on the site specific feature (e.g. slope dependent, wetland etc.).		•			•
388	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Fill Material – Contractor Measures #4	Do not place temporarily stored fill material in surface drainage channel or wetland.		•			•
389	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Rig Mats, Matting, Geotextiles – Contractor Measures #6 EA Report – Section 12 – Vegetation and Wetlands	Remove geotextiles, rig mats and matting from the Project Site. Materials that could be reused elsewhere on the ROW will be cleaned of mud and vegetation before transferring and using at a different location. The Owner may inspect equipment and vehicles arriving on site or at the General Contractor's (Valard) project staging/marshalling area prior to Project Site entry. Record cleaning locations.		•			•
390	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – General – Contractor Measures #7 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Remove temporary water body crossing structures and associated fill materials when the crossing is no longer required after construction, unless otherwise agreed upon in third-party agreements and/or approved by appropriate regulatory agency.		•			•
391	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – General – Contractor Measures #8 EA Report – Section 2 – Consultation and Engagement EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 2 – Consultation and Engagement Summary Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Temporary water body crossing structures must be removed prior to spring freshet unless they are appropriately sized by a qualified engineer to convey the design flow event and approved by the appropriate regulatory agency (e.g., MNRF, DFO, and/or LRCA).		•			•
392	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – General – Contractor Measures #9	If removal of crossing materials requires work below the high-water mark and water is present at the time of construction, isolate the crossing location, maintain 100% of downstream flow, complete a fish salvage, remove the crossing materials, restore the bed and banks of the channel to their original profile, and stabilize disturbed areas, as necessary, to prevent soil erosion.		•			•
393	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Clear-Span Structure – Contractor Measures #10 EA Report – Section 13 – Fish and Fish Habitat	Clear-span structures (e.g., clear-span bridges and rig mats) will be removed in a manner that protects the banks from erosion and maintains flow in a water body.		•			•
394	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Clear-Span Structure – Contractor Measures #11	For clear-span structures, no work will take place below the high-water mark.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
395	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Clear-Span Structure – Contractor Measures #12 EA Report – Section 13 – Fish and Fish Habitat	Temporary clear-span structures will be removed in a manner that protects the banks from erosion and maintains flow in a water body.		•			•
396	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Clear-Span Structure – Contractor Measures #13 EA Report – Section 13 – Fish and Fish Habitat	Temporary bridges on private land or First Nation Reserve will be decommissioned in consultation with the landowner or community.		•			•
397	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Clear-Span Structure – Contractor Measures #14 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #30 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structure – Ice Bridge – Contractor Measures #36 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Snow Fill – Contractor Measures #42 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Stabilize disturbed areas (e.g., cover exposed areas with erosion control blankets or tarps to keep the soil in place and prevent erosion).		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
398	<p>CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Clear-Span Structure – Contractor Measures #15</p> <p>CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #31</p> <p>CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structure – Ice Bridge – Contractor Measures #37</p> <p>CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Snow Fill – Contractor Measures #43</p> <p>CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Access Roads – Contractor Measures #49</p> <p>CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Workspaces – Contractor Measures #55</p> <p>CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Cleanup – Contractor Measures #11</p> <p>EA Report – Section 2 – Consultation and Engagement Summary</p> <p>EA Report – Section 6 – Geology, Terrain and Soils</p> <p>EA Report – Section 7 – Surface Water</p> <p>EA Report – Section 12 – Vegetation and Wetlands</p> <p>EA Report – Section 13 – Fish and Fish Habitat</p> <p>EA Report – Section 14 – Wildlife and Wildlife Habitat</p> <p>EA Report – Section 15 – Archaeological Resources</p> <p>EA Report – Section 16 – Cultural Heritage Resources</p> <p>EA Report – Section 19 – Non-Traditional Land and Resource Use</p>	Erosion and sedimentation control measures will remain in place until the construction activities are completed and the disturbed area has been stabilized, restored and revegetated.		•			•
399	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Clear-Span Structure – Contractor Measures #16	Remove any waste materials from the work site to prevent them from entering the water body.		•			•
400	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #17	Obtain approval from MNRF, DFO, and/or LRCA to salvage any fish in the work area prior to removal of culverts.	•	•			•
401	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #18 EA Report – Section 13 – Fish and Fish Habitat	Culverts on private land or First Nation Reserve will be decommissioned in consultation with the landowner or community.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
402	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #19 EA Report – Section 13 – Fish and Fish Habitat	Instream construction will be completed in isolation of flowing water (i.e., isolation methods will be used for the removal of culverts where surface water exists at the time of construction) (refer to Appendix 4-II, Appendix B, Figure B-5).		•			•
403	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #22 EA Report – Section 13 – Fish and Fish Habitat	Pump bypass water from upstream, across the isolated workspace through a hose and onto an energy dissipation device prior to entering the water body downstream from the isolated workspace.		•			•
404	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Culvert – Contractor Measures #32 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structure – Ice Bridge – Contractor Measures #38 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Snow Fill – Contractor Measures #44 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Restore disturbed banks and approaches immediately following the removal of temporary water body crossing structures as outlined in Section 6.9.		•			•
405	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structure – Ice Bridge – Contractor Measures #33 EA Report – Section 13 – Fish and Fish Habitat	Ice bridges on private land or First Nation Reserve will be decommissioned in consultation with the landowner or community.		•			•
406	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structure – Ice Bridge – Contractor Measures #34 EA Report – Section 13 – Fish and Fish Habitat	A v-notch will be created in the centre of the ice bridge to allow the ice bridge to melt from the centre and to prevent blocking fish passage, channel erosion and flooding.		•			•
407	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structure – Ice Bridge – Contractor Measures #35 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Snow Fill – Contractor Measures #41 EA Report – Section 13 – Fish and Fish Habitat	Logs used to stabilize approaches will be removed prior to spring freshet.	•	•			•
408	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Snow Fill – Contractor Measures #39 EA Report – Section 13 – Fish and Fish Habitat	Snow fills on private land or First Nation Reserve will be decommissioned in consultation with the landowner or community.		•			•
409	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Water Body Crossing Structures – Snow Fill – Contractor Measures #40	Remove compacted snow from snow fills prior to the spring freshet.	•	•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
410	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Access Roads – Contractor Measures #45	Temporary access roads on private land or First Nation Reserve will be decommissioned in consultation with the landowner or community.	•	•			•
411	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Access Roads – Contractor Measures #46	Decommissioning of temporary access roads will be completed under non-frozen conditions when construction schedule allows.		•			•
412	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Access Roads – Contractor Measures #47	During decommissioning, fill material (e.g., gravel, shipped rock) and geotextile membrane will be removed from temporary access roads so the area is returned to the original road grade.		•			•
413	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Access Roads – Contractor Measures #48 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	When undesired public access is a possibility, consider placing woody debris, planting conifers or other vegetation to limit public access.		•			•
414	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Access Roads – Contractor Measures #50 CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Workspaces – Contractor Measures #56 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Reclaim temporary access roads after decommissioning by implementing clean-up and reclamation measures in Section 6.9 (refer to Appendix 4-II).		•			•
415	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Workspaces – Contractor Measures #51	Laydown yards, storage yards, and construction camps on private lands or First Nation reserve lands may be left in place or partially decommissioned in consultation with the landowners or communities.		•			•
416	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Workspaces – Contractor Measures #52	Decommissioning of laydown yards, storage yards and construction camps will be completed under non-frozen conditions when construction schedule allows.		•			•
417	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Workspaces – Contractor Measures #53	Any in-ground infrastructure (e.g., water line, sewage) may be removed. If in-ground infrastructure cannot be removed, in-ground infrastructure will be emptied prior to capping.		•			•
418	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Workspaces – Contractor Measures #54 EA Report – Section 8 – Groundwater	Concrete pads used as temporary fueling storage areas will be removed when removing surface infrastructure.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
419	CEPP Section 6.8 – Transmission Line Construction Environmental Protection Measures – Decommissioning of Temporary Workspaces, Access Roads and Water Body Crossing Structures – Temporary Workspaces – Contractor Measures #56 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Reclaim temporary workspaces after decommissioning by implementing clean-up and reclamation measures in Section 6.9 (Appendix 4-II).		•			•
420	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation	Project Site clean-up and interim reclamation activities will take place throughout the construction of the Project. These activities will include, but not be limited to, removing refuse, grading disturbed areas, contouring disturbed slopes to a stable profile, and re-establishing natural drainage patterns.		•			•
421	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation	The final reclamation of temporary infrastructure (e.g., laydown yards, storage yards, construction camps, temporary access roads and temporary water body crossing structures) will be conducted after they have been decommissioned and removed.		•			•
422	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Construction Monitoring – Owner Measures #1 CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Construction Monitoring – Owner Measures #1	Routinely (e.g., after spring freshet) inspect erosion and sediment control mitigation measures and bank stabilization features to verify effectiveness.		•		•	
423	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Schedule – Contractor Measures #1 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	Complete clean-up and interim reclamation of the Project footprint under non-frozen conditions as soon as possible after decommissioning, when Project schedule allows.		•			•
424	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Schedule – Contractor Measures #2	Complete final reclamation during non-frozen conditions.		•			•
425	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Schedule – Contractor Measures #3	Revegetation and/or seeding will follow as close as possible to clean-up and topsoil material replacement pending seasonal or weather conditions.		•			•
426	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Surveying and Flagging – Contractor Measures #4 EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Flagging, signage or other markings will be removed upon construction completion.		•			•
427	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Garbage and Debris – Contractor Measures #6	Remove remaining garbage and debris from the Project Site.		•			•
428	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Cleanup – Contractor Measures #7	Fill material on provincial Crown lands will be removed from Project Site and disposed of appropriately (e.g., reclaimed fill returned to source aggregate pits or quarries).		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
429	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Cleanup – Contractor Measures #8	Removed culverts and other structural materials will be properly disposed (e.g., recycled, repurposed or disposed of in a landfill).		•			•
430	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Cleanup – Contractor Measures #9	All waste, geotextile, silt fencing, filter fabric, wood debris, and other Project waste will be removed from Project Site and disposed.		•			•
431	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Subsoil Compaction – Contractor Measures #10 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands	Decompact subsoils throughout stripped areas of Project Site, and soils damaged during wet weather using stripping or other appropriate method.		•			•
432	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Subsoil Compaction – Contractor Measures #11 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	Use appropriate equipment on decompacted subsoils to break up lumps and to smooth the surface.		•			•
433	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Subsoil Compaction – Contractor Measures #12 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	Postpone decompaction of subsoils, if soils are moist, until soils dry so that the soils fracture when ripped.		•			•
434	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Re-contouring – Contractor Measures #14 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Re-contour disturbed areas to restore drainage patterns and the approximate pre-construction profile.		•			•
435	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Re-contouring – Contractor Measures #15 OEMP Section 5.1 – General Mitigation Measures – Erosion and Sedimentation Control EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	Regrade areas with vehicle ruts and erosion gullies to conform to the local topography to maintain drainage patterns.		•	•	•	•
436	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Topsoil Replacement – Contractor Measures #16	Before replacing topsoil, smooth subsoil.		•			•
437	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Topsoil Replacement – Contractor Measures #17	Replace topsoil as evenly as possible throughout stripped areas of Project Site.		•			•
438	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Topsoil Replacement – Contractor Measures #18 EA Report – Section 6 – Geology, Terrain and Soils	Postpone replacing topsoil during wet conditions or high winds to prevent damaging soil structure and erosion of topsoil, unless construction activities must continue to adhere to construction timing windows and/or restrictions. If required, appropriate mitigation measure will be implemented to protect environmentally sensitive features and or notify the appropriate regulating agency.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
439	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Wetlands – Contractor Measures #20	Do not apply fertilizer or coarse woody debris (e.g., mulch) in wetlands.		•			•
440	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Bank Stabilization – Contractor Measures #21 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Restore disturbed banks and approaches immediately following the removal of temporary water body crossing structures. Restore bed and bank to the full extent of the disturbed area including upstream and downstream of the water body crossing location.		•			•
441	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Bank Stabilization – Contractor Measures #22 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 13 – Fish and Fish Habitat	Restore disturbed bed and banks to their original contour and gradient. If the original gradient cannot be restored due to stability, a stable gradient that does not obstruct fish passage will be constructed.		•			•
442	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Bank Stabilization – Contractor Measures #23 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 13 – Fish and Fish Habitat	Install rollback or other bank stabilization methods (e.g., live willow cuttings) at water crossings when reconstructing water body banks, as required or request by landowner, to improve stability and to re-establish cover and habitat for fish-bearing water bodies.		•			•
443	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Bank Stabilization – Contractor Measures #25 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 13 – Fish and Fish Habitat	If replacement rock reinforcement/armouring is required to stabilize eroding or exposed areas of the bank, appropriated sized clean rock will be used and installed at a similar slope, maintaining a uniform bank/shoreline and natural stream/shoreline alignment. These materials will be placed in a manner that generally matches the configuration and shape of adjoining sections of channel or shoreline to further augment the overall physical stability of the system.		•			•
444	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Bank Stabilization – Contractor Measures #26 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Revegetation of the riparian zone if necessary will consider DFO's <i>Measures to Avoid Causing Harm to Fish and Fish Habitat Including Aquatic Species at Risk</i> (DFO 2016) and MNR's <i>Environmental Guidelines for Access Roads and Water Crossings</i> (refer to Appendix 4-II, Appendix H2; MNR 1990), and <i>Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales</i> (refer to Appendix 4-II, Appendix H3; MNR 2010a) and its associated Background Rationale document (MNR 2010b).		•			•
445	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Seeding Revegetation – Contractor Measures #27 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands	On private lands, reclaim as per landowner specifications and base on the availability of seed at the time of reclamation.		•			•
446	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Seeding Revegetation – Contractor Measures #28 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	On federal land, provincial Crown land or municipal land, allow for natural regeneration or use certified native seed in consultation with appropriate Land Administrator. Natural recovery is the preferred method of reclamation on level terrain where erosion is not expected.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
447	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Seeding Revegetation – Contractor Measures #29 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	Where necessary, seed the disturbed areas using certified native seed mix and seed application rate appropriate for the final land use.		•			•
448	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Seeding Revegetation – Contractor Measures #30	Seed erosion prone areas with a native cover crop (e.g., cereal crop) and certified seed mix approved by the applicable regulatory agency as soon as feasible after construction.		•			•
449	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Seeding Revegetation – Contractor Measures #31 CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Seeding and Revegetation – Contractor Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Do not accept seed that contains noxious weeds.		•			•
450	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Seeding Revegetation – Contractor Measures #33 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Land Resource Use EA Report – Section 19 – Non-Traditional Land and Resource Use	Plant conifers when reclaiming laydown yards, construction camps, and storage yards located off of the transmission line ROW and in consultation with the landowner or communities and applicable regulatory authority.		•			•
451	CEPP Section 6.9 – Transmission Line Construction Environmental Protection Measures – Project Site Cleanup and Reclamation – Erosion and Sedimentation Control – Contractor Measures #34 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	Where vegetation has established, or risk for sedimentation and erosion has been mitigated, remove temporary erosion and sediment control measures.		•			•
452	CEPP Section 6.10 – Transmission Line Construction Environmental Protection Measures – Post-Construction Monitoring	A detailed Post-Construction Monitoring Plan will be developed prior to the start of construction of each workfront based on permit approval conditions. The detailed Post-Construction Monitoring Plan will include detailed monitoring methods and a plan to address outstanding environmental issues or areas that require further reclamation or monitoring of reclamation efforts, as identified during and following construction.	•				•
453	CEPP Section 6.10 – Transmission Line Construction Environmental Protection Measures – Post-Construction Monitoring EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	Post-construction environmental monitoring will be conducted after the completion of the construction activities and continue into the operation phase of the Project and will include such activities as examining and documenting the success of reclamation measures.		•			•
454	CEPP Section 6.10 Post-Construction Mitigation Measures – Environmental Inspector – Owner Measures #1	The Owner will employ the services of qualified Environmental Inspector(s) to monitoring the effectiveness of implementation of mitigation and identify any reclamation concerns.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
455	CEPP Section 6.10 – Transmission Line Construction Environmental Protection Measures– Post-Construction Mitigation Measures – Resource Specialist – Owner Measures #2 CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Post-Construction Measures – Owner Measures #12	Following construction, a resource specialist may evaluate the success of mitigative measures, particularly environmentally sensitive features (i.e. relocated nests, wetlands etc.) if habitat features (like nests) or individuals are relocated.		•		•	
456	CEPP Section 6.10 – Transmission Line Construction Environmental Protection Measures– Post-Construction Mitigation Measures – Post-Construction Monitoring – Owner Measures #3 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Post-construction monitoring of the Project Site will begin following reclamation, within one growing season, and annually during operations to identify and address any reclamation concerns, including but not limited to soil erosion, revegetation, slope stability and weeds.		•		•	
457	CEPP Section 6.10 – Transmission Line Construction Environmental Protection Measures– Post-Construction Mitigation Measures – Post-Construction Monitoring – Owner Measures #4 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 20 – Visual Environment	Post-construction monitoring at water body crossing location should be conducted after the first spring freshet and routinely until the site has become stable and re-vegetated.		•		•	
458	CEPP Section 6.10 – Transmission Line Construction Environmental Protection Measures– Post-Construction Mitigation Measures – Remedial Measures – Owner Measures #5 EA Report – Section 19 – Non-Traditional Land and Resource Use	Implement remedial measures to achieve the goal of the reclamation that is to stabilize and revegetate disturbed areas, while maintaining access and appropriate drainage to support operation and maintenance standards.		•		•	
459	CEPP Section 6.10 – Transmission Line Construction Environmental Protection Measures– Post-Construction Mitigation Measures – Reporting – Owner Measures #6	Monitoring report including results of monitoring activities will be prepared and submitted to applicable regulatory agency as described in permit approval conditions.		•		•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible																					
			Prior to Construction	Construction	Operation	Owner	Contractor																				
460	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Reporting – Owner Measures #1	<p>The Owner will report spills in accordance with the provincial requirements (refer to Appendix 4-II Table 4-II-3).</p> <p>Table 4-II-3: Reportable Spill Quantities</p> <table border="1"> <thead> <tr> <th>Substance</th> <th>Quantity</th> <th>External Reporting Requirements</th> </tr> </thead> <tbody> <tr> <td>Any Spill</td> <td>Any amount</td> <td>N/A</td> </tr> <tr> <td rowspan="2">Oil and Waste Oil</td> <td>≥100 litres</td> <td rowspan="7"> Call within 24 hours: Ontario Spills Action Center Spills Action Center 1-800-268-6060 (toll-free, province-wide, 24/7) 1-855-515-3759 (TTY) *record file number </td> </tr> <tr> <td>Any amount of material in areas that are outside of the ROW</td> </tr> <tr> <td>Oil with >50 ppm PCB</td> <td>≥1 kilogram</td> </tr> <tr> <td>Flammable or Non-Flammable Gas</td> <td>≥10 kilograms</td> </tr> <tr> <td>Toxic or Corrosive Waste</td> <td>≥5 kilograms</td> </tr> <tr> <td>Hazardous Waste</td> <td>≥5 litres or kilograms</td> </tr> <tr> <td>Explosives</td> <td>Any quantity that could pose a danger to the public or 50 kilograms</td> </tr> </tbody> </table> <p>>= greater than; ≥= greater than or equal to; ppm = parts per million; PCB = polychlorinated biphenyl; N/A = not applicable; TTY = a special device that lets people who are deaf, hard of hearing, or speech-impaired use the telephone to communicate.</p> <p>Releases that require external report include spills that:</p> <ul style="list-style-type: none"> ▪ cause harm or material discomfort to any person; ▪ injure or damages property or animal life; ▪ impair the quality of the natural environment air, water or land; ▪ cause adverse health effects; ▪ present a safety risk; ▪ render property, plant or animal life unfit for use; ▪ lead to the loss of enjoyment of the normal use of property; or ▪ interfere with the normal conduct of business. <p>The immediate report must include:</p> <ul style="list-style-type: none"> ▪ your name and phone number; ▪ name of the company or individual responsible for the spill; ▪ time and location of the spill; ▪ type and quantity of material spilled (if you know); and ▪ status of the spill, including actions being taken to control the spill. <p>Information provided to the center will be forwarded to Environment Canada, who will in turn contact DFO if warranted. The following information will be required during the notification process:</p> <ul style="list-style-type: none"> ▪ your name and phone number; ▪ name of the company or individual responsible for the spill; ▪ time and location of the spill; ▪ type and quantity of material spilled (if you know); and ▪ status of the spill, including actions being taken to control the spill. 	Substance	Quantity	External Reporting Requirements	Any Spill	Any amount	N/A	Oil and Waste Oil	≥100 litres	Call within 24 hours: Ontario Spills Action Center Spills Action Center 1-800-268-6060 (toll-free, province-wide, 24/7) 1-855-515-3759 (TTY) *record file number	Any amount of material in areas that are outside of the ROW	Oil with >50 ppm PCB	≥1 kilogram	Flammable or Non-Flammable Gas	≥10 kilograms	Toxic or Corrosive Waste	≥5 kilograms	Hazardous Waste	≥5 litres or kilograms	Explosives	Any quantity that could pose a danger to the public or 50 kilograms		•		•	
Substance	Quantity	External Reporting Requirements																									
Any Spill	Any amount	N/A																									
Oil and Waste Oil	≥100 litres	Call within 24 hours: Ontario Spills Action Center Spills Action Center 1-800-268-6060 (toll-free, province-wide, 24/7) 1-855-515-3759 (TTY) *record file number																									
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Oil with >50 ppm PCB	≥1 kilogram																										
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Hazardous Waste	≥5 litres or kilograms																										
Explosives	Any quantity that could pose a danger to the public or 50 kilograms																										
461	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Owner Measures #2 EA Report – Section 6 – Geology, Terrain and Soils	If the presence of contaminated soils and associated water is suspected, the Owner will immediately assess the situation and may shut down or remove equipment from the area.		•		•																					

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
462	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Owner Measures #3 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	The Owner or the Environmental Inspector will visually assess the suspected material and surrounding area and determine the extent of potential contamination, if any.		•		•	
463	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Owner Measures #4 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	The Owner or the Environmental Inspector may collect (or arrange to have collected) soil samples at the suspected contamination location.		•		•	
464	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Owner Measures #5 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	The Owner will notify relevant federal and provincial regulatory authorities as required.		•		•	
465	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Owner Measures #6 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	The Owner will develop a suitable course of action (e.g., excavate, stockpile, sample, remediate and/or contain and dispose) in consultation with the appropriate regulatory agencies, if necessary.		•		•	
466	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Owner Measures #7 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	The Owner will identify local licensed landfill that would be able to receive soils if confirmed to be contaminated.		•		•	
467	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Owner Measures #8 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	The Owner will prepare a contaminated soil and associated water notification report (refer to Appendix 4-II, Appendix E) and support from the General Contractor (Valard) may be required.		•		•	
468	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #1 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #1 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Maintain an adequate supply of spill prevention and emergency response equipment onsite at all times and train Project personnel on the use of this equipment. The risk for site-specific spills will be used to determine the appropriate type of response equipment and suitable location for storage. The General Contractor (Valard) will also provide a list of required stand-by equipment and required spill response container supplies to respond to large volume spills.		•	•		•
469	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #3 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #4 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Maintain equipment in good operating condition and inspect regularly for cleanliness, leaks, excess oil or grease. Identified problems or deficiencies shall be corrected in a timely manner.		•	•		•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
470	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #4 CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #15 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #5 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #16	Maintain documentation (e.g., inspection record) in accordance with applicable regulations and local requirements.		•	•		•
471	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #5 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #6 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Fuel and servicing vehicles will carry at a minimum: <ul style="list-style-type: none"> ▪ fire extinguishers; ▪ shovels; ▪ an impermeable barrier for placing under vehicles to be serviced; and ▪ hydrocarbon spill kits complete with a minimum of 10 kilograms (kg) of sorbent material for clean-up of small spills. 		•	•		•
472	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #5 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #6 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	The contents of spill kit must be replenished as soon as possible following its use.		•	•	•	•
473	CEPP Section 7.1 – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #6 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #7 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Re-fuelling or equipment maintenance activities are not to occur within 100 m of a water body. If re-fuelling within 100 m of a water body cannot be avoided, the General Contractor (Valard) is to provide and implement a site-specific spill prevention plan.		•			•
474	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #7 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #8 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Perform equipment servicing, such as oil changes and hydraulic repairs with potential for spills over an impervious tarp to contain spills when done on site or within the ROW.		•	•		•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
475	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #8 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Equipment – Contractor Measures #9 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Employ the following measures to reduce the risk of fuel spills <ul style="list-style-type: none"> ▪ containers, hoses, nozzles are free of leaks; ▪ equip fuel nozzles with automatic shutoffs; and ▪ if both ends of the hose are not visible have operators stationed at both ends of the hose during fuelling 					
476	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #10 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #11 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Project personnel will be trained for handling, receiving, shipping hazardous materials.		•	•		•
477	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #11 CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Hazardous Wastes – Contractor Measures #16 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #12 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Hazardous materials will be transported in approved containers in licensed vehicles.		•	•		•
478	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #12 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #13 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Hazardous materials will be stored in appropriate containers and placed in suitable designated areas: <ul style="list-style-type: none"> ▪ Store fuel storage tanks in a secondary containment tub to prevent fuels from escaping; ▪ store fuel storage tanks larger than 25 litres (L) in a secondary containment system (e.g., tidy-tank, double-walled containment tub) with a holding capacity equal to 110% of the volume stored; and ▪ store hydrocarbon storage containers greater than 23 L in a secondary containment (e.g., polyethylene containment tub) with a holding capacity of 110% of the volume stored. 		•	•		•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
479	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #13 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #14 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Fuel storage tanks will be visually inspected on a regular basis to ensure that they do not leak, sealed with a properly fitting lid and labelled accordingly. Identified problems or deficiencies shall be corrected in a timely manner.		•	•		•
480	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #14 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #15 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	Implement controls and utilize containment and/or spill trays when transferring hazardous materials between containers or working near surface drainage and environmentally sensitive features.		•	•		•
481	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Reporting – Contractor Measures #16	Report all spills and releases immediately to the Owner.		•			•
482	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Reporting – Contractor Measures #17 CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Contractor Measures #19	Prepare a spill report using the Spill Reporting Form (refer to Appendix 4-II, Appendix D) and submit all spill reports to the Owner.		•			•
483	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Contractor Measures #18 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	In the event that contaminated soils (e.g., hydrocarbon odours is present or soils is obviously darker than the surrounding soil) or fill material is suspected within the Project Site: IMMEDIATELY HALT WORK IN THAT LOCATION , isolate the area or suspect contaminated material and notify the Owner.		•			•
484	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Contractor Measures #20 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	Segregate or separately store contaminated soils on a high-density polyethylene liner or equivalent (within a bermed area), at minimum 100 m away from permanent water features and on relatively flat surface. Label and/or install signs at the contaminated soils piles.		•			•
485	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Contaminated Soils – Contractor Measures #21 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	Protect contaminated soil piles from erosion by installing silt fence or using plastic tarps to cover the pile as necessary.		•			•
486	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #22 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #19	Contain and clean-up all spills on land immediately and/or as quickly as possible when safe to do so.		•	•		•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
487	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #23 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #20 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #21	Spill containment will depend on the physical and chemical properties of the substance: <ul style="list-style-type: none"> If solid, cover material with plastic. Contain plastic bags in the spill kit for temporary storage of soiled material and place the bags in a pickup or a designated area for transport to an appropriate waste disposal facility. If liquid, contain the spill using spill booms or other materials designed for this purpose. Hazardous waste drums may be utilized to contain free agent or contaminated liquids cleaned from a site. Isolate/block any pathways to watercourses or surface drainage. 		•	•		•
488	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #24 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #22	Recover contained liquid spill material through suction methods (e.g., vacuum trucks) wherever practicable. If such equipment is not readily available or cannot access the spill site, other appropriate recovery techniques (e.g., burning, absorbents) should be applied.		•			•
489	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #25 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #23	Identified leaks shall be contained and repaired as soon as possible. Relocate leaking equipment to a level ground away from environmentally sensitive features provided that temporary containment is in place and moving the equipment does not increase the risk of environmental contamination.		•	•		•
490	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #26	Restore the areas to the satisfaction of the Owner and/or regulatory agencies.		•			•
491	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #27 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #25 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #26	Instream and onshore containment and clean-up objectives include the following: <p>Instream</p> <ul style="list-style-type: none"> divert water around the fluid release to the extent practicable; install silt fencing around the release point, if conditions permit; remove fluid from the water body by pumping or other suitable means; and dispose of recovered fluid in accordance with MECP requirements. <p>Onshore</p> <ul style="list-style-type: none"> contain the fluid release immediately to limit the area affected and prevent the fluid from entering the water body; and dispose of recovered fluid in accordance with MECP requirements. <p>Consider the following options for removal of fluid from instream:</p> <ul style="list-style-type: none"> Use trash pumps or vacuum truck. If trash pumps are used, the water pumped to the discharge must not drain back into a water body, or construct a sediment/water holding area if there is potential for sedimentation from discharge water. In consultation with MECP and DFO biologists, leave fluid if current water body levels and flow inhibit removal or if removal will result in unacceptable shore or instream damage. 		•			•
492	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #28 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #27	If not accessible, construct bale and filter cloth weirs and a containment area where appropriate.		•	•		•
493	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #29 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #28	Conduct water quality sampling as appropriate.		•	•		•
494	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #30 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Instream and Onshore Release – Contractor Measures #29	The General Contractor (Valard) will prepare a report summarizing the events leading to the release and the measures taken to minimize the impact on the environment. As directed by the regulatory agencies, written reports may be required.		•	•		•
495	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Waste Management – Contractor Measures #31	Implement the hazardous wastes measures outlined in the Waste Management Plan (refer to Appendix 4-II, Section 8.2).		•			
496	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Waste Management – Contractor Measures #32	Collect and dispose of heavily saturated vegetation, soil and used absorbent material and/or contaminated soils and associated water at an approved industrial waste disposal facility. Truck manifests will be collected.		•			•
497	CEPP Section 7.1 – Contingency Plans – Spill Prevention and Response Contingency Plan – Waste Management – Contractor Measures #33 OEMP Appendix C – Spill Prevention and Response Contingency Plan – Waste Management – Contractor Measures #30	Dumping of oil or other deleterious materials on the ground or in any water body is strictly prohibited.		•	•		•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
498	CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Little or No Topsoil – Contractor Measures #1	Overstrip shallow topsoils to a depth of 15 centimetres (cm).		•			•
499	CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Uneven Boundary Between Topsoil and Subsoil – Contractor Measures #2	Use equipment capable of fine depth adjustments when salvaging topsoil.		•			•
500	CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Uneven Boundary Between Topsoil and Subsoil – Contractor Measures #3	Strip topsoil so that the exposed surface has a mottled pattern composed of 50% topsoil and 50% subsoil. Once this is done, begin the transition layer lift.		•			•
501	CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Wet Conditions – Contractor Measures #4 EA Report – Section 14 – Wildlife and Wildlife Habitat	If construction occurs or is anticipated within wet areas, under wet conditions (e.g. excessive rain, wet weather, or flood-like conditions), or during spring break-up (e.g., thawing soil conditions), implement one or more of the following: <ul style="list-style-type: none"> ▪ Notify the Owner that contingency measures may be required to reduce potential for erosion and sedimentation; ▪ use equipment that minimizes surface disturbance, soil compaction and topsoil loss (e.g., equipment with low ground pressure tires, or wide pad tracks); ▪ restrict construction activity to the narrowest possible area or in areas where soils are subject to degradation; ▪ limit construction activity to well-drained and/or well-vegetated areas, where practicable; ▪ Use a protective layer such as matting (refer to Appendix 4-II, Appendix B, Figure B-13) if wet conditions are anticipated or encountered. ▪ pump standing water to a vegetated area; and ▪ backblade ruts to disperse water and allow faster drying. 		•			•
502	CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Wet Conditions – Contractor Measures #5	If soils are excessively saturated, suspend or postpone construction activities. Saturated soils are indicated by: <ul style="list-style-type: none"> ▪ extensive wheel slip; ▪ build-up of mud on tires and cleats; ▪ ruts through topsoil into subsoil; and ▪ tracking of mud down roads. 		•			•
503	CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Wet Conditions – Contractor Measures #6 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	If it is not possible to suspend or postpone the construction activities, a site-specific Erosion and Sedimentation Control Plan will be implemented in consultation with the Owner.		•			•
504	CEPP Section 7.2 – Contingency Plans – Soil Handling Contingency Plan – Wet Conditions – Contractor Measures #7	Construction activities will not resume until permission is received by the Owner.		•			•
505	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Regulatory Approvals – Contractor Measures #1 OEMP Section 5.5 – Environmental Management During Operation –Fire Prevention EA Report – Section 4 – Project Description	All work will adhere to the <i>Forest Fires Prevention Act</i> (R.S.O. 1990) and Regulation O. Reg. 207/96. The Act provides direction for the prevention and suppression of wildland fires in forest areas within the fire region during the fire season, normally April 1 to October 31.		•	•	•	•
506	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Fire Hazards – Contractor Measures #2	If the fire hazard is high, implement protection measures such as the use of fire resistant mats or wetting down the area prior to work commencing or having a water truck and/or appropriate fire-fighting equipment on site.		•			•
507	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Fire Hazards – Contractor Measures #3	Project personnel will dispose of cigarette butts, welding rods, and other hot or burning items appropriately to reduce fire hazard.		•			•
508	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Fire Hazards – Contractor Measures #4	Keep worksite free of debris and combustible materials.		•			•
509	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Equipment – Contractor Measures #5 OEMP Section 5.5 – Environmental Management During Operation –Fire Prevention	Maintain an adequate supply of fire-fighting equipment on hand that is capable of controlling fire that may occur as a result of their activities, as regulated by provincial regulations and government agencies.		•	•	•	•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
510	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Equipment – Contractor Measures #8 OEMP Section 5.5 – Environmental Management During Operation – Fire Prevention	Turn-off engines prior to refuelling of equipment.		•	•	•	•
511	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #9 EA Report – Section 12 – Vegetation and Wetlands	The transportation, storage, and handling of flammable materials (e.g., fuel) will be in compliance with the <i>Technical Standards and Safety Act, 2000</i> , the <i>Transportation of Dangerous Goods Act, 1992</i> , the <i>National Fire Code</i> (National Fire Code of Canada 2010), the <i>Explosives Act</i> (Government of Canada 1985), and the <i>Occupational Health and Safety Act</i> (Government of Ontario 1990b).		•			•
512	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #10	Store flammable materials in certified unit load container (ULC).		•			•
513	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Smoking – Contractor Measures #11	Smoking is only permitted in designated areas.		•			•
514	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Smoking – Contractor Measures #12	No smoking allowed near any flammable storage facility.		•			•
515	CEPP Section 7.3 – Contingency Plans – Fire Prevention Contingency Plan – Reporting – Contractor Measures #13	Report fire using the Fire Report Form (refer to Appendix 4-II, Appendix F). Submit all reports to the Owner.		•			•
516	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Incidental Discovery – Owner Measures #3 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	In the event that a previously unidentified heritage or archaeological resources (e.g., arrow heads, modified bone, pottery fragments, fossils) are suspected or encountered unexpectedly during construction, the Owner may bring in a resource specialist and contact the regulators (e.g., MTCS, LRCA, or the municipality), as required.		•		•	
517	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Incidental Discovery – Owner Measures #4 EA Report – Section 2 – Consultation and Engagement Summary	If human remains are suspected, the Owner will immediately contact the Ontario Provincial Police, and implement the following measures: <ul style="list-style-type: none"> ▪ IMMEDIATELY HALT WORK IN THAT LOCATION; ▪ flag off the affected area to prevent additional disturbance; ▪ cover any exposed bones with plastic sheeting, a garbage bin liner, blanket, or other clean covering; ▪ assign an employee to watch the affected area until the Ontario Provincial Police arrives; and ▪ ensure that the remains are treated with full dignity and respect. 		•		•	
518	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Incidental Discovery – Owner Measures #5 EA Report – Section 2 – Consultation and Engagement Summary	For archaeological or heritage discovery, suspend activity at that location until the resource specialist has assessed the feature and determined a suitable course of action in consultation with the Owner and, if necessary, the appropriate regulatory agencies.		•		•	
519	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Incidental Discovery – Owner Measures #6 CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Owner Measures #5 EA Report – Section 2 – Consultation and Engagement Summary	The resource specialist may deem it necessary to visit the site and will, regardless of whether a site visit is required, develop an appropriate mitigation plan in consultation with the Owner and, if necessary, the appropriate regulatory agencies.		•		•	
520	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Incidental Discovery – Owner Measures #7	If assessment of the resource is deemed necessary, the site will be assessed based on the following criteria: <ul style="list-style-type: none"> ▪ the significance of the site; ▪ the location of the site with respect to the Project Site; ▪ the feasibility of alternate routing or siting to avoid the resource; and ▪ the decision of MTCS. 		•		•	
521	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Incidental Discovery – Owner Measures #8 EA Report – Section 2 – Consultation and Engagement Summary	Based on site assessment, recommendation will be made in consultation with MTCS (e.g., documenting, removing and salvaging).		•		•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
522	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Incidental Discovery – Owner Measures #9 EA Report – Section 2 – Consultation and Engagement Summary	Protect archaeological sites identified adjacent to the ROW, if deemed appropriate based on the assessment.		•		•	
523	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Incidental Discovery – Contractor Measures #1 EA Report – Section 2 – Consultation and Engagement Summary	In the event that not previously identified heritage or archaeological resources (e.g., arrow heads, modified bone, pottery fragments, fossils) are suspected or encountered unexpectedly during construction: IMMEDIATELY HALT WORK IN THAT LOCATION and notify the Owner. Potential archaeological or heritage resources should be suspected when the following are discovered: a. artifacts of stone or other material, including single or scattered artifacts; b. old-looking pits in the ground (large or small, circular or rectangular); c. cabins and other old-looking structures; d. old industrial, ranching, and others remains of possible heritage significance; e. culturally modified tress, mature trees with well-defined bark scars; or, f. trails, burial sites, fire pits, or hearths.		•			•
524	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Contingency Measures – Contractor Measures #2 EA Report – Section 2 – Consultation and Engagement Summary	Suspend work immediately in the vicinity of newly discovered feature. Work at that location may not resume until permission is received from the Owner.		•			•
525	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Contingency Measures – Contractor Measures #3 EA Report – Section 2 – Consultation and Engagement Summary	Temporarily flag off the 5 m around the resource to protect the feature.		•			•
526	CEPP Section 7.4 – Contingency Plans – Discovery of Heritage or Archaeological Resources Contingency Plan – Contingency Measures – Contractor Measures #4 CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan –Contingency Measures – Contractor Measures #3	Follow measures provided by the Owner.		•			•
527	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Incidental Discovery – Owner Measures #3	In the event that a previously unidentified wildlife feature of concern is suspected, the Owner may contact a resource specialist to identify the species or habitat and identify the magnitude of disturbance to the wildlife feature.		•		•	
528	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Incidental Discovery – Owner Measures #4 EA Report – Section 14 – Wildlife and Wildlife Habitat	Clearly flag the areas around a wildlife feature or environmentally sensitive feature and their associated vegetation setbacks prior to construction to protect the feature. .		•		•	
529	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Incidental Discovery – Owner Measures #5 CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Incidental Discovery – Owner Measures #5 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	Suspend activity at that location until the resource specialist has assessed the feature and determined a suitable course of action in consultation with the Owner and, if necessary, the appropriate regulatory agencies.		•		•	
530	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Incidental Discovery – Owner Measures #6 EA Report – Section 14 – Wildlife and Wildlife Habitat	The Owner will document the location, photograph the feature (if safe to do so) and report the incidence to the appropriate regulatory agencies, as needed.		•		•	
531	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Contingency Measures – Owner Measures #7 EA Report – Section 14 – Wildlife and Wildlife Habitat	Depending on the species or habitat, the nature of the discovery and the activity status of the nest (i.e., presence of eggs and/or nestlings), burrow or den, recommendations will be made based on consultation with a resource specialist and, if necessary, the appropriate regulatory agencies.		•		•	
532	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Contingency Measures – Owner Measures #8	After consultation with regulatory agency nest or other habitat features may be relocated, if practicable, and monitor the post construction response of relocation.		•		•	
533	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Construction Monitoring – Owner Measures #9 EA Report – Section 14 – Wildlife and Wildlife Habitat	A resource specialist may monitor stress to species during construction, if warranted.		•		•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
534	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Construction Monitoring – Owner Measures #10 EA Report – Section 14 – Wildlife and Wildlife Habitat	The Owner will report successes or challenges to the appropriate regulatory agencies to keep them informed of the situation in regard to species at risk.		•		•	
535	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Construction Monitoring – Owner Measures #11	The Owner reserves the right to suspend work or revise the construction strategy due to the discovery of a feature of concern (e.g., habitat).		•		•	
536	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Post-Construction Measures – Owner Measures #13 EA Report – Section 14 – Wildlife and Wildlife Habitat	Revegetate with plant species that will maintain habitat quality (i.e., maintain the location as a feeding area).		•		•	
537	CEPP Section 6.9 – Project Site Cleanup and Reclamation – Wildlife – Contractor Measures #19 CEPP Section 7.5 – Wildlife Features of Concern Discovery Contingency Plan – Post-Construction Measures – Owner Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	Install nest boxes or platforms to replace or enhance habitat during reclamation or restoration.		•		•	
538	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Incidental Discovery – Contractor Measures #1	In the event that a previously unidentified wildlife feature of concern (e.g., nest, ground nest, burrow, den) is suspected within the Project Site: IMMEDIATELY HALT WORK IN THAT LOCATION and notify the Owner.		•			•
539	CEPP Section 7.5 – Contingency Plans – Wildlife Features of Concern Discovery Contingency Plan – Contingency Measures – Contractor Measures #2	Suspend work immediately in the vicinity of newly discovered wildlife feature. Work at that location may not resume until permission is received from the Owner.		•			•
540	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Incidental Discovery – Owner Measures #3 EA Report – Section 12 – Vegetation and Wetlands	In the event that a previously unidentified rare plant species or rare vegetation community is suspected, the Owner may contact a resource specialist to identify the species or habitat and identify the magnitude of disturbance to the vegetation feature and determine appropriate mitigation actions for the rare plant species or community. Consult with appropriate regulatory agency if required..		•		•	
541	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Incidental Discovery – Owner Measures #4 EA Report – Section 12 – Vegetation and Wetlands	Clearly flag the areas around the vegetation feature to protect the feature.		•		•	
542	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Incidental Discovery – Owner Measures #6 EA Report – Section 12 – Vegetation and Wetlands	The Owner will document the location, photograph the feature, and report the incidence to the appropriate regulatory agencies, as needed		•		•	
543	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Owner Measures #7 EA Report – Section 12 – Vegetation and Wetlands	Depending on the discovery recommendations will be made based on consultation with a resource specialist and, if necessary, the appropriate regulatory agencies.		•		•	
544	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Owner Measures #8 EA Report – Section 12 – Vegetation and Wetlands	Protect rare plant species or rare vegetation community identified adjacent to the Project Site, if deemed appropriate based on the assessment (adjust slopes to protect root zones or facilitate shade or sun conditions).		•		•	
545	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Owner Measures #9 EA Report – Section 12 – Vegetation and Wetlands	Temporarily fence off undisturbed adjacent areas to protect adjacent seed sources from being disturbed. Remove temporary fence during Project Site clean-up.		•		•	
546	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Owner Measures #10 EA Report – Section 12 – Vegetation and Wetlands	Propagate species or component species, in the case of rare vegetation communities, via vegetative or reproductive means (e.g., harvesting of seed, salvaging and transplanting portions of sod and surrounding vegetation or collecting of cuttings).		•		•	
547	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Construction Monitoring – Owner Measures #12 EA Report – Section 12 – Vegetation and Wetlands	A resource specialist may be requested by the Owner to remain on the site until additional soil disturbance in the remainder of that area is completed, in order to monitor whether additional incidences are possible. Mitigation measures (avoiding, relocating the specimen) can be implemented proactively if complete avoidance is not possible. Monitor the success of protection or relocation measures during post-construction monitoring, as required.		•		•	
548	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Post-Construction Measures – Owner Measures #13 EA Report – Section 12 – Vegetation and Wetlands	Revegetate with appropriate certified native seed mixes that will maintain habitat quality.		•		•	

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
549	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Incidental Discovery – Contractor Measures #1 CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Contractor Measures #2EA Report – Section 12 – Vegetation and Wetlands	In the event that a previously unidentified rare plant species or rare vegetation community is suspected or encountered unexpectedly in the Project Site: IMMEDIATELY HALT WORK IN THAT LOCATION and notify the Owner. Work at that location may not resume until permission is received from the Owner.		•			•
550	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Contractor Measures #3 EA Report – Section 12 – Vegetation and Wetlands	Do not disturb the plant or community and temporarily flag off the area around the location to reduce disturbance until proper flags or temporary fences are installed as needed.		•			•
551	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Contractor Measures #4 CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Contingency Measures – Contractor Measures #4 CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Contractor Measures #3 EA Report – Section 12 – Vegetation and Wetlands	Follow mitigation measures provided by the Owner.		•			•
552	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Contractor Measures #5 EA Report – Section 12 – Vegetation and Wetlands	Use geotextiles/protective matting, and/or snow covers during the winter, over the area to protect occurrences from scraping and compacting.		•			•
553	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Contractor Measures #6 EA Report – Section 12 – Vegetation and Wetlands	Follow proper soil handling techniques and weed control measures to prevent the introduction of competitive or invasive species.		•			•
554	CEPP Section 7.6 – Contingency Plans – Rare Plant Discovery Contingency Plan – Contingency Measures – Contractor Measures #7 EA Report – Section 12 – Vegetation and Wetlands	Restore surface drainage patterns in the vicinity of the rare plant occurrence to pre-construction conditions as much as practicable.		•			•
555	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Due Diligence – Owner Measures #1 CEPP Section 6.2 – Transmission Line Construction Environmental Protection Measures – Access Roads – Water Body Crossings – Construction Monitoring – Owner Measures #6 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Appendix 1-V-A-2 – MNR Comments on the Amended EA Report	A reconnaissance for undocumented water bodies in the Project Site will be completed prior to construction of each workfront to document water bodies not included on the water body crossing lists (refer to Appendix 4-II, Appendix I).	•			•	
556	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Incidental Discovery – Owner Measures #3 EA Report – Section 13 – Fish and Fish Habitat	In the event that a previously undocumented water body is suspected, the Owner may contact a resource specialist to assess the water body.		•		•	
557	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Incidental Discovery – Owner Measures #4	Clearly flag the area around the suspected water body.		•		•	
558	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Incidental Discovery – Owner Measures #5	Suspend activity within 30 m of the location until the resource specialist has assessed the suspected water body and determined a suitable course of action in consultation with the Owner and, if necessary, the appropriate regulatory agencies.		•		•	
559	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Incidental Discovery – Owner Measures #6	The Owner will document the location, photograph the suspected water body, and report the findings to the appropriate regulatory agencies, as needed.		•		•	
560	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Contingency Measures – Owner Measures #7	Depending on the nature of the discovery, recommendations for construction methods, appropriate mitigation measures, and permitting requirements will be made by the resource specialist and, if necessary, the appropriate regulatory agencies.		•		•	
561	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Contingency Measures – Owner Measures #8	The Owner will obtain the necessary permits prior to construction of each workfront near or in the water body.	•			•	

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
562	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Construction Monitoring – Owner Measures #9	Once a plan is in place for the water body, monitor the crossing construction per Section 6.2.1.		•		•	
563	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Post-Construction Monitoring – Owner Measures #10 EA Report – Section 13 – Fish and Fish Habitat	Post-construction monitoring/inspections of new permanent water body crossing structures and new roadside drainage features.		•		•	
564	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Post-Construction Monitoring – Owner Measures #11 EA Report – Section 13 – Fish and Fish Habitat	Post-construction monitoring of total suspended solids and streamflow rates to verify the effectiveness of reclamation measures at selected water bodies those with greater sensitivity or implication to change from the standpoint of fish habitat, species at risk, channel stability, drainage pattern, or other environmental considerations. The specific monitoring locations will be determined during the permitting phases of the Project; however, it is expected that water bodies of varying size (small, medium, large) would be captured, recognizing that this would allow the performance/effectiveness of mitigation measures to be evaluated at a range of scales.		•		•	
565	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Incidental Discovery – Contractor Measures #1	In the event that a previously undocumented water body is suspected or encountered in the Project Site: IMMEDIATELY HALT WORK IN THAT LOCATION and notify the Owner.		•			•
566	CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Contingency Measures – Contractor Measures #3	Temporarily flag off the lag off 30 m-90 m slope dependant vegetation buffer area around the water body to reduce disturbance until proper mitigation measures are implemented as needed.		•			•
567	CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Owner Measures #3	Clearly flag the features associated setback (slope dependent 30-90 metre) around the site to protect the value..		•		•	
568	CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Owner Measures #4	Suspend activity at that location until the resource specialist has assessed the site and determine a suitable course of action in consultation with the Owner and, if necessary, the appropriate local Indigenous communities and regulators.		•		•	
569	CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Owner Measures #6	If assessment of the site is deemed necessary, the site will be assessed based on the following criteria: <ul style="list-style-type: none"> ▪ the location of the site with respect to the Project Site; ▪ the feasibility of alternate routing or siting to avoid the resource; and ▪ input from local Indigenous communities. 		•		•	
570	CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Owner Measures #7	Based on site assessment, recommendation will be made in consultation with local Indigenous communities (e.g., moving the resource; documenting, removing and salvaging the resource).		•		•	
571	CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Owner Measures #8	Protect Indigenous land and resource use sites identified adjacent to the ROW, if deemed appropriate based on the assessment.		•		•	
572	CEPP Section 7.8 – Contingency Plans – Indigenous Land and Resource Use Site Contingency Plan – Incidental Discovery – Contractor Measures # 2 CEPP Section 7.7 – Contingency Plans – Undocumented Water Body Discovery Contingency Plan – Contingency Measures – Contractor Measures #2	Suspend work immediately in the vicinity of the suspected site. Work at that location may not resume until permission is received from the Owner.		•			•
573	CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan	An Erosion and Sedimentation Control Plan will be implemented for the Project to minimize sediment mobilization from disturbed areas and to prevent sediment to reach environmentally sensitive features. This conceptual Erosion and Sedimentation Control Plan outlines control measures to be implemented during construction of the Project.		•			•
574	CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan	Site-specific Erosion and Sedimentation Control Plans will be developed by the General Contractor (Valard) for review and approval by the Owner prior to construction activities in erosion-prone areas or within environmentally sensitive features that require additional erosion and sedimentation controls.	•				•
575	CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Erosion and Sedimentation Control Plan – Contractor Measures #1 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	The General Contractor (Valard) may develop site-specific Erosion and Sedimentation Control Plan for review and approval by the Owner, when under wet conditions (e.g. excessive rain, wet weather, or flood-like conditions), saturated soils, or during spring break-up, or where soils prone to erosion are present.		•			•
576	CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Schedule – Contractor Measures #3	When schedule allows, plan construction activities in areas prone to erosion under dry or frozen conditions.		•			•

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
577	CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Equipment – Contractor Measures #5 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Maintain an adequate supply of erosion and sedimentation control materials on site prior to commencement of construction at site specific locations and train Project personnel on the use of this equipment. Standard erosion and sedimentation control materials that may be kept on site include: <ul style="list-style-type: none"> silt fencing with stakes or straw bales; geotextile fabric, landscape fabric, tarps or similar products for ground cover or stockpiles; sand/plastic bags and/or poly rolls (for use in temporary dams, catchment areas or sumps); shovels and small sledge hammers; certified weed-free seed mix appropriate for the area; and pumps, hoses, and other fittings as needed to collect, settle and/or discharge sediment laden water away from water bodies. 		•			•
578	CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Water Bodies – Contractor Measures #7 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Install, monitor and manage appropriate erosion and sedimentation control measures to minimize or avoid sedimentation and suspended sediment mobilization from the disturbed areas to environmentally sensitive features (drainages or water bodies, rare plants, wetlands).		•			•
579	CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Water Bodies – Contractor Measures #8 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Use biodegradable fabric matting on approach slopes, runoff diversion berms and cross ditches, as required, to stabilize soil for vegetation to establish (refer to Appendix 4-II, Appendix B, Figure B-4).		•			•
580	CEPP Section 8.1 – Environmental Management Plans – Erosion and Sedimentation Control Plan – Temporary Sediment Barriers – Contractor Measures #10 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat	Install temporary sediment barriers (e.g., berms, silt fences; refer to Appendix 4-II, Appendix B, Figures B-3 and B-4): <ul style="list-style-type: none"> installed before the ground is disturbed; at the base of slopes leading to a water body; between the edges of the disturbed area and a water body; at other sloped areas with a water body downslope; at the base of slopes leading to road crossings where vegetation has been disturbed; and at the edge of the ROW as needed to prevent siltation of a water body downslope of the ROW. 		•			•
581	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan EA Report – Section 4 – Project Description	Construction waste will be deposited in accordance with applicable legislation and transported by MECP licensed waste haulers to MECP registered disposal sites.		•			•
582	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan	Temporary storage of wastes on site will include the use of secured containers in designated sites away from environmentally sensitive areas.		•			•
583	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan	Solid waste will be collected and disposed of appropriately in accordance with applicable regulations in a waste disposal facility.		•			•
584	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan	A detailed Waste Management Plan will be developed by the General Contractor (Valard) for review and approval by the Owner prior to arriving at the Project Site.	•				•
585	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Regulatory Approval – Owner Measures #2 EA Report – Section 7 – Surface Water	Obtain a Generator Registration Number under O. Reg. 347 of the <i>Environmental Protection Act</i> in the event hazardous wastes will be generated during construction.		•		•	
586	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Construction Monitoring – Owner Measures #3 EA Report – Section 7 – Surface Water EA Report – Section 14 – Wildlife and Wildlife Habitat	The Environmental Inspector will monitor management and disposal of waste.		•		•	
587	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Regulatory Approval – Contractor Measures #2 EA Report – Section 7 Surface Water	Waste management will be carried out in compliance with the conditions and requirements of regulatory approvals and permits, EASR or ECA under the <i>Environmental Protection Act</i> .		•			•

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
588	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management Plan – Contractor Measures #3 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water	The General Contractor (Valard) will develop a detailed Waste Management Plan for review and approval by the Owner at least 30 days prior to the construction of each workfront that describes the appropriate management of waste, including segregation, storage and handling of: <ul style="list-style-type: none"> ▪ construction-related garbage, recycle, and other waste (i.e., wood waste); ▪ hazardous materials such as used oil, filter and grease cartridges, lubrication containers, and, ▪ domestic garbage and camp waste (i.e., food and grey water). 	•				•
589	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management Plan – Contractor Measures #4	The Waste Management Plan shall describe the training and awareness requirements necessary for its effective implementation.	•	•			•
590	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management Plan – Contractor Measures #5	The plan shall be periodically reviewed and as necessary updated.		•			•
591	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management – Contractor Measures #8	The General Contractor (Valard) is responsible to coordinate and manage day-to-day responsibilities for waste management and disposal throughout the construction period including appropriate collection, segregation, treatment and transfer of waste.		•			•
592	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management – Contractor Measures #9	Maintain sufficient resources (e.g., containers, trained personal) to achieve effective implementation of the Waste Management Plan.		•			•
593	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management – Contractor Measures #10 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 14 – Wildlife and Wildlife Habitat	Collect waste material on a regular basis, or as needed to maintain a neat and clean Project Site.		•			•
594	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management – Contractor Measures #11 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water	Designated areas for waste segregation and recycling, with appropriate containers for each type of waste material will be made readily available on the Project Site. Waste will be collected, sorted and segregated on-site for disposal as follows: <ul style="list-style-type: none"> ▪ hazardous wastes: petroleum products, fuels, solvents, coolants, etc.; ▪ construction materials: wood, tires, etc.; ▪ recyclable wastes: aluminum, steel, etc.; ▪ domestic solid waste: non-recyclable waste, food waste; and ▪ E-waste: computers, batteries. 		•			•
595	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management – Contractor Measures #12 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water	Temporarily store inert wastes (e.g., scrap steel, wood) in designated staging area until disposal to an approved waste disposal facility occurs.		•			•
596	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management – Contractor Measures #13 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 14 – Wildlife and Wildlife Habitat	Dumping or burying of garbage, non-wood construction wastes, food wrappings, bottles/cans, sanitary wastes or other non-wood materials is strictly prohibited.		•			•
597	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management – Contractor Measures #14 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 14 – Wildlife and Wildlife Habitat	Dispose of waste material on a regular basis at appropriate and approved waste disposal facility.		•			•
598	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Waste Management – Contractor Measures #15 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water	Wastes will be hauled by either a local waste management contractor or appropriately trained/certified Project personnel.		•			•

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
599	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Hazardous Wastes – Contractor Measures #17 EA Report – Section 7 – Surface Water	Hazardous wastes will be stored in appropriate containers that meet that following criteria: <ul style="list-style-type: none"> good condition with no visible defects that could result in leaking or spilling of by-products; leak-resistant and include seals containing liquid by-products; removable tops if storing non-liquid by-products; kept upright and closed at all times unless adding or removing contents; clearly labeled containers according to Workplace Hazardous Materials Information System (WHMIS) regulations and with the following information: “Hazardous By-Product” or “Used Oil For Recycle”; <ul style="list-style-type: none"> name of the by-product (e.g., Used Oil); type of hazard (e.g., toxic, ignitable); and the date the container was placed in the storage area. 		•			•
600	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Hazardous Wastes – Contractor Measures #18 EA Report – Section 7 – Surface Water	Hazardous wastes and used oil containers will be stored in designated areas to optimize control and ensure non-compatible by-products are segregated. Designate areas will be: <ul style="list-style-type: none"> located on level ground away from environmentally sensitive features; located at minimum 100 m away from permanent water features and other environmentally sensitive features; and label and/or install signs to ensure proper segregation 		•			•
601	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Hazardous Wastes – Contractor Measures #19 EA Report – Section 7 – Surface Water	Waste containers will be visually inspected on a regular basis to ensure that they do not leak, sealed with a properly fitting lid, and labelled accordingly. Identified problems or deficiencies shall be corrected in a timely manner.		•			•
602	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Sanitary and Liquid Waste – Contractor Measures #20	Sanitary and liquid waste will be held and discharged according to required permits and authorizations for construction and operation of grey water treatment.		•			•
603	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Sanitary and Liquid Waste – Contractor Measures #21	Do not discharge sanitary wastes into water body or on the soil surface.		•			•
604	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Sanitary and Liquid Waste – Contractor Measures #22	Equip all temporary toilets with approved septic tanks with closed holding tanks that are emptied only into approved treatment plants or sewage tanker trucks.		•			•
605	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Sanitary and Liquid Waste – Contractor Measures #23	Locate on-site temporary toilets away from environmentally sensitive features and secure them to avoid or minimize damage from vandalism.		•			•
606	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Sanitary and Liquid Waste – Contractor Measures #24	In the event of a major sewage leak or spill, implement Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Section 7.1).		•			•
607	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Food Waste and Domestic Garbage – Contractor Measures #25 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 14 – Wildlife and Wildlife Habitat	Littering is strictly prohibited.		•			•
608	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Food Waste and Domestic Garbage – Contractor Measures #26 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	Collect, segregate, store and dispose of food waste and domestic garbage on a regular basis, or as needed to reduce potential human/wildlife encounters.		•			•
609	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Food Waste and Domestic Garbage – Contractor Measures #27 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	Implement a recycling program at the construction camps to reduce the amount of waste generated.		•			•
610	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Food Waste and Domestic Garbage – Contractor Measures #28 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	Retain food wastes (e.g., lunch wastes, wrappers) and return to appropriate on-site waste containers.		•			•
611	CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Food Waste and Domestic Garbage – Contractor Measures #29 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	Ensure food waste and domestic garbage is stored in designated areas within appropriate wildlife-proof containment to avoid attracting nuisance wildlife.		•			•

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
612	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan	A Blasting Management Plan will be implemented for areas where explosives are used to create level areas for transmission structures and roads, and for foundation excavations and where implosions are used to splice the transmission conduction (wire) joints.		•			•
613	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan	A detailed Blasting Management Plan will be developed by the General Contractor (Valard) for review and approval by the Owner prior to blasting and implosion operations.	•			•	•
614	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Regulatory Approval – Owner Measures #1 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 13 – Fish and Fish Habitat	Obtain regulatory approvals as required from applicable regulatory agencies prior to blasting and implosion operations.	•			•	
615	CEPP Section 8.3 – Blasting Management Plan – Regulatory Approval – Owner Measures #2 CEPP Section 8.3 – Blasting Management Plan – Water Bodies – Contractor Measures #12 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 13 – Fish and Fish Habitat	Blasting in a water body will not be permitted unless otherwise approved by the appropriate regulatory agency.		•		•	•
616	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Construction Monitoring – Owner Measures #4 CEPP Section 5.0 – Environmentally Sensitive Features – Environmentally Sensitive Features Protection Measure – Water Wells – Owner Measures #60 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	Conduct a pre-blast survey of identified wells within 250 m of all blast locations by a licenced water well technician in accordance with the Wells Regulation (O. Reg. 903). Where landowner permission is granted, the pre-blast survey will include completion of a well questionnaire to obtain details about the well and measurement of water levels.	•	•		•	
617	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Construction Monitoring – Owner Measures #5 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	The Environmental Inspector will monitor blasting operations.		•		•	
618	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Post-Construction Monitoring – Owner Measures #6	If changes in groundwater quantity are observed during construction, then a post-construction monitoring event should be conducted to confirm that the groundwater quality and/or quantity returns to pre-construction conditions.		•		•	
619	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Regulatory Approval – Contractor Measures #2 EA Report – Section 4 – Project Description EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 13 – Fish and Fish Habitat	Blasting operations will adhere to applicable regulations and guidelines for transportation, handling, storage and use of explosives: <ul style="list-style-type: none"> ▪ Natural Resources Canada's permit under the <i>Explosives Act</i> (Government of Canada 1985) for the use, storage, or transportation of explosives; ▪ Ontario Ministry of Labour's safety regulations per the <i>Occupational Health and Safety Act</i> (Government of Ontario 1990b), including the filing of a notice of Project at least 30 days prior to the start of construction; ▪ NAV Canada's Land Use Assessment Form per the Land Use Program for blasting operations; ▪ local Municipalities' Noise Bylaws; ▪ DFO's <i>Measures to Avoid Causing Harm to Fish and Fish Habitat Including Aquatic Species at Risk</i> (DFO 2016); and ▪ <i>Guidelines for the Use of Explosives in or Near Canadian Fisheries Waters</i> (refer to Appendix 4-II, Appendix H8; Wright and Hopky 1998) for setback distances from fish-bearing water bodies or wetlands. 		•			•

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
620	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Project Orientation – Contractor Measures #3 CEPP Section 8.2 – Environmental Management Plans – Waste Management Plan – Project Orientation – Contractor Measures #6 CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Project Orientation – Contractor Measures #1 CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Project Orientation – Contractor Measures #4 EA Report – Section 18 – Socio-Economics	During the Project orientation, Project personnel will be made aware of the Project Site rules and environmental management strategies.	•	•			•
621	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Blasting Management Plan – Contractor Measures #6 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 13 – Fish and Fish Habitat	The General Contractor (Valard) will develop a detailed Blasting Management Plan for review and approval by the Owner prior to blasting and implosion operation that describes specific measures that would be implemented if blasting is required. The plan will also include safety and exclusions zones, emergency and response procedures and contact information.	•				•
622	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Blasting Operations – Contractor Measures #7	The General Contractor (Valard) is responsible to coordinate and manage the day-to-day responsibilities for blasting operations throughout the construction period.		•			•
623	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Blasting Operations – Contractor Measures #8	Maintain sufficient resources to achieve effective implementation of the Blasting Management Plan.		•			•
624	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Artesian Groundwater – Contractor Measures #10 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater	To the extent practicable, blasting will not be conducted in areas of artesian groundwater conditions.		•			•
625	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Artesian Groundwater – Contractor Measures #11 EA Report – Section 8 – Groundwater	Where shallow water table or artesian conditions are encountered the General Contractor (Valard) may use a blasting emulsion that is not readily soluble. The explosive emulsion will be pumped into the bottom of the hole and the emulsion allowed to fill upwards towards the surface		•			•
626	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Waste Disposal – Contractor Measures #13	Blast or waste rock will be spread on the ROW or removed from the ROW in accordance with regulatory requirements.		•			•
627	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Reporting – Contractor Measures #14	Following blasting operations, the General Contractor (Valard) may be required to submit documents to the Owner that includes: <ul style="list-style-type: none"> ▪ a blast loading plan showing the depth of each blast hole; ▪ quantity of explosive in each blast hole; ▪ the uncharged stemming length; ▪ reconciled explosive quantities used versus the designed quantity; and ▪ any variations accounted for. 		•			•
628	CEPP Section 8.3 – Environmental Management Plans – Blasting Management Plan – Environmental Incident – Contractor Measures #15	In the event of an environmental incident, work will be suspended in the vicinity of the incident and the General Contractor (Valard) will report it to the Owner as soon as it is safe to do so. Work will be suspended until a solution that is compliant is established.		•			•
629	CEPP Section 8.3 – Environmental Management Plans – Weed Management Plan EA Report – Section 12 – Vegetation and Wetlands	A Weed Management Plan will be implemented for the Project to minimize the potential project effects related to weeds.		•	•	•	
630	CEPP Section 8.3 – Environmental Management Plans – Weed Management Plan	During the operation phase, a Vegetation Management Program will be implemented with a goal to ensure vegetation does not interfere with the safe and reliable operation and maintenance of the transmission line, or prohibit access to the transmission line structures, with a compatible vegetation (e.g., below 2 m in height) (refer to Appendix 4-III of the amended EA Report).			•	•	
631	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Regulatory Approvals – Owner Measures #1 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	The Owner, its authorized representatives, contractor(s), and subcontractors, shall implement appropriate measures to reduce spreading of noxious weeds in accordance with the <i>Weed Control Act</i>		•		•	

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
632	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Construction Monitoring – Owner Measures #2 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat	The Owner or the Environmental Inspector may inspect equipment and vehicle arriving on Project Site prior to entry.		•		•	
633	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Construction Monitoring – Owner Measures #3 EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	The Environmental Inspector will monitor the implementation of the Weed Management Plan and provides recommendations to improve the Weed Management Plan on an ongoing basis.		•		•	
634	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Post-Construction Monitoring – Owner Measures #4 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	Weed survey to identify and map occurrence of weed on ROW (on an annual basis for the first year following construction) for species composition and abundance.		•	•	•	
635	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Project Orientation – Contractor Measures #2 OEMP Section 5.1 – General Mitigation Measures – Noxious Weeds	Project personnel will also be reminded that all vehicles and equipment must be clean (i.e., free of soil and vegetative debris) in accordance with the <i>Clean Equipment Protocol for Industry</i> (refer to Appendix 4-II, Appendix H1; Halloran et al. 2013) prior to Project Site entry, and of the importance of maintaining clean equipment, and minimizing transportation of weed seeds.		•	•	•	•
636	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Weed Management – Contractor Measures #3	The General Contractor (Valard) will be responsible to coordinate and manage day-to-day responsibilities for weed control and management throughout the construction period including identify weed infestations on the Project Site, keep records and document the data.		•			•
637	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Weed Management – Contractor Measures #4 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	Weed control measures options are subject to agreements with landowners, or other third parties.		•			•
638	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Weed Management – Contractor Measures #5 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	In the event that a species of weed becomes problematic to control and management, a site-specific Weed Management Plan will be developed and implemented in order to remove the population, or if that is not possible, minimize any further spread and impacts of the population.		•			•
639	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Weed Management – Contractor Measures #6 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	The General Contractor (Valard) may contact a local resource specialist (e.g., Weed Inspector or Agriculture Information Center) for assistance.		•			•
640	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Equipment and Materials – Contractor Measures #8 EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Construction equipment, including vehicles and rig mats, will arrive on the Project Site clean (i.e., free of soil and vegetative debris) in accordance with the <i>Clean Equipment Protocol for Industry</i> (refer to Appendix 4-II, Appendix H1; Halloran et al. 2013).		•			•
641	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Equipment and Materials – Contractor Measures #9 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Any equipment, which arrives in a dirty condition, will not be allowed on the Project Site until the equipment has been cleaned either by hand (track shovel), high pressure water, or compressed air in a controlled, clean environment as to prevent the spread of weeds and invasive species.		•			•

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
642	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Equipment and Materials – Contractor Measures #10 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	Clean construction equipment in accordance with the <i>Clean Equipment Protocol for Industry</i> (refer to Appendix 4-II, Appendix H1; Halloran et al. 2013) prior to constructing water body crossings.		•			•
643	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Equipment and Materials – Contractor Measures #11 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Re-clean vehicles and equipment if an area of weed infestation is encountered on the Project Site prior to advancing to a weed-free area.		•			•
644	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Equipment and Materials – Contractor Measures #12 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	Cleaning stations may be implemented along the Project.		•			•
645	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Seeding and Revegetation – Contractor Measures #13 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Use certified native seed mix as required for site revegetation and provide the analysis certificate to the Owner.		•			•
646	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Construction Monitoring – Contractor Measures #16 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	The General Contractor (Valard) will monitor and manage weed infestations on a regular and ongoing basis along the ROW and on topsoil stockpiles to determine need for additional weed control measures.		•			•
647	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Reporting – Contractor Measures #17 EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	Keep records of cleaning locations.		•			•
648	CEPP Section 8.4 – Environmental Management Plans – Weed Management Plan – Reporting – Contractor Measures #18	The General Contractor (Valard) may be required to submit an annual report to the Owner that includes: <ul style="list-style-type: none"> ▪ summary and mapping of any weed infestations including species, location, density and area; ▪ management strategy implemented to manage and control the infestations; ▪ assessment of the success (or failure) of the management strategy; ▪ discussion of how to improve weed management plan in subsequent years; and ▪ assessment of any changes that may be required in order to ensure weeds are quickly detected and removed. 		•			•
649	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan	A Traffic Management Plan will be implemented to minimize potential effects related to traffic associated with construction of the Project.		•			•
650	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan	Vehicles will use provincial numbered highways and local roads to access the Project Site. Vehicles will travel along designated off-ROW access roads and along the ROW to access laydown yards used for tower assembly.		•			•
651	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Regulatory Approvals – Owner Measures #1	File a notice of Project at least 30 days prior to the start of construction with Ontario Ministry of Labour’s safety regulations per the <i>Occupational Health and Safety Act</i> (Government of Ontario 1990b).	•			•	
652	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Regulatory Approvals – Owner Measures #2	Obtain entrance permits for proposed entrances, including temporary entrances to construct or service a proposed development, onto provincial highways per the <i>Public Transportation and Highway Improvement Act, 1990</i> .	•			•	
653	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Regulatory Approvals – Owner Measures #3	Obtain encroachment permits to place, alter, or erect any power line, pole line, or other transmission line within a highway corridor per the <i>Public Transportation and Highway Improvement Act</i> .	•			•	
654	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Construction Monitoring – Owner Measures #5 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	The Owner will conduct visual inspection of the construction area and Project access roads to monitor adherence to traffic protocols and speed limits by all Project personnel.		•		•	

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			Prior to Construction	Construction	Operation	Owner	Contractor
655	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Construction Monitoring – Owner Measures #6 EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	A Safety Manager may be designated to monitor traffic safety for the Project Site.		•		•	
656	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Regulatory Approval – Contractor Measures #1	Obtain permits for road signage within 400 m of any limit of a provincial highway per the <i>Public Transportation and Highway Improvement Act, 1990</i> .		•			•
657	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Regulatory Approval – Contractor Measures #2	Obtain oversize/overweight permits for the transportation of overweight vehicles and loads on provincial highways under the <i>Highway Traffic Act</i> .		•			•
658	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Regulatory Approval – Contractor Measures #3 EA Report – Section 18 – Socio-Economics	Project traffic will follow the conditions and requirements of regulatory approvals and permits.		•			•
659	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Traffic Management – Contractor Measures #5	The General Contractor (Valard) will be responsible to coordinate and manage day-to-day responsibilities for traffic management throughout the construction period including safe movement of vehicles and equipment to, within and from the Project Site.		•			•
660	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Traffic Management – Contractor Measures #6	The Project Site will be surveyed and marked prior to the start of clearing activities of each workfront to establish the Project Site.		•			•
661	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Traffic Management – Contractor Measures #9	All existing trails or ROW will remain clear of vehicles and debris.		•			•
662	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Transportation, Storage, and Handling – Contractor Measures #15 EA Report – Section 12 – Vegetation and Wetlands	Fuel and hazardous materials will be transported in approved containers in licensed vehicles.		•			•
663	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Transportation, Storage, and Handling – Contractor Measures #17	Materials, equipment and vehicles necessary for the Project construction are stored or parked only in designated areas.		•			•
664	CEPP Section 8.5 – Environmental Management Plans – Traffic Management Plan – Water Bodies – Contractor Measures #24 CEPP Section 6.1 – Transmission Line Construction Environmental Protection Measures – Site Preparation – Water Bodies – Contractor Measures #23 OEMP Section 5.2 – Access and Travel on Right-of-Way – Water Bodies OEMP Section 5.3 – Vegetation Management Program – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Travel in the 30m - 90m slope dependent vegetation buffer at water body crossing locations will be perpendicular to the water body.		•	•	•	•
665	CEPP Appendix G – Nest Sweep Protocol	Nest sweeps are to be conducted by a qualified Avian Biologist or trained Environment Inspector under appropriate conditions, following protocols that have been designed to identify active nests, singing males and/or other behaviour indicative of a breeding territory/active nest (i.e., alarm calls, distraction displays or adults carrying nesting materials/food) (Environment Canada 2014).		•		•	•
666	CEPP Appendix G – Nest Sweep Protocol	Nest sweeps for the Project will be conducted, when required, in wetlands between April 15 and August 31. These windows indicate when 90% of the nesting activity is likely to occur.		•		•	•
667	CEPP Appendix G – Nest Sweep Protocol	Nest sweeps will be conducted a maximum of 7 calendar days prior to the commencement of clearing, construction or reclamation activities for appropriate habitats and level of habitat disturbance activities. Once site preparation (e.g., grading) has commenced, no additional nest sweeps are required within that portion of the construction site.		•		•	•
668	CEPP Appendix G – Nest Sweep Protocol	Nest sweeps, when required, will be conducted on lands identified as having wildlife habitat potential (e.g., treed areas, riparian areas, shrub and tame pasture).		•		•	•
669	CEPP Appendix G – Nest Sweep Protocol	The area that is covered by the nest sweep will be dependent upon land use, existing disturbance in the vicinity of the ROW, the level of construction activity and the potential for species presence and historical occurrences of species of concern. On lands determined to have high potential for breeding and nesting migratory birds (e.g., where the ROW has not been pre-cleared), the Project Site as well as the appropriate setback restricted activity buffer on either side will be surveyed for active nests.		•		•	•

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670	CEPP Appendix G – Nest Sweep Protocol	All nest sweeps completed for the Owner will adhere, at minimum, to the following protocol: <ul style="list-style-type: none"> ■ Surveyor(s) will walk along the Project Site in a systematic manner to cover as much ground as practicable in an efficient manner. As the surveyor is walking the construction ROW, the surveyor will stop regularly to: look for behavioural clues to the presence of nesting birds (e.g., presence of territorial males, distraction displays, alarm calls and adults carrying nesting material/food); and listen for the audio calls of birds within the search area. ■ Wetlands/water bodies within 100 m of the Project Site will be searched for breeding waterfowl and waterbirds. The entire outer boundary of the wetland/water body will be searched, where land access is available, the size of the wetland/water body is such that activity at one end will not affect breeding or nesting behavior at the other end 		•		•	•
671	CEPP Appendix G – Nest Sweep Protocol	In the event that an active nest is found, appropriate mitigation will be implemented based on Environment and Climate Change Canada's Risk Factors for Migratory Birds.		•		•	•
672	CEPP Appendix G – Nest Sweep Protocol	A risk-based assessment will be completed for each active nest discovered and the mitigation measures will be determined based on the status of the bird, land use, the current level of disturbance or barriers to disturbance (i.e., roads, facilities, highways and farming activities), the construction activity taking place, the sensitivity of the bird to disturbance and the order of bird nesting.		•		•	•
673	CEPP Appendix G – Nest Sweep Protocol	If a bird species with special conservation status with a federally or provincially recommended setback distance is found, a setback distance will be applied around the nest based on site-specific risk factors.		•		•	•
674	CEPP Appendix G – Nest Sweep Protocol	In the event that an active nest is found on the Project Site or within the search area, the following will be recorded: <ul style="list-style-type: none"> ■ adult birds flushing from nest; ■ species of bird (if identified) or order of the bird and any additional information about the adult bird; ■ distance to the applicable Project component; ■ the stage of development (i.e., construction stage, eggs, including number, hatchlings, almost fledged); ■ UTM coordinates; ■ photographs; and ■ any additional wildlife features (e.g., leks, dens, breeding ponds and hibernaculum) that are found will also be photographed and documented. 		•		•	•
675	CEPP Appendix G – Nest Sweep Protocol	Any nest found will be protected with a buffer zone determined by a setback distance appropriate to the species, the intensity of disturbance and the surrounding habitat until the young have naturally and permanently left the vicinity of the nest. Any implemented protective buffers will remain in place until the nest is revisited and deemed inactive.		•		•	•
676	CEPP Appendix G – Nest Sweep Protocol	To minimize the risk of nest abandonment or failure, or to increase the risk of predation, nest checks should be timed no less than 3 calendar days apart.		•		•	•
677	CEPP Appendix G – Nest Sweep Protocol	If the nest is found to no longer be active within the migratory bird nesting period, a second nest sweep of the area within the restricted activity buffer will be conducted to identify any other potential nests or key wildlife features.		•		•	•
678	CEPP Appendix G – Nest Sweep Protocol	In addition, any nests or key wildlife features for species with special conservation status (e.g., leks, dens, breeding ponds and hibernacula) that are observed in the vicinity of the construction ROW during the nest sweep will be recorded.		•		•	•
679	CEPP Appendix G – Nest Sweep Protocol	Site-specific mitigation recommendations will be provided based on the biology of the species observed, the location in relation to the Project Site, relevant mitigating factors (e.g., existing industrial disturbance), the scope of the activities to be performed and professional knowledge.		•		•	•
680	CEPP Appendix G – Nest Sweep Protocol	All nests or key wildlife features found will be reported daily to the Owner, along with details on the site-specific restricted activity buffer and/or other additional site-specific mitigation or information.		•		•	•
681	OEMP Section 1.1 – Introduction – Scope of Operation Environmental Management Plan	Upon commissioning, the Project will operate on a continuous basis and will be maintained by NextBridge Infrastructure LP (NextBridge).			•	•	
682	OEMP Section 1.1 – Introduction – Scope of Operation Environmental Management Plan EA Report – Section 4 – Project Description	Electricity being transmitted will be monitored and managed by NextBridge's Control Centre using a Supervisory Control and Data Acquisition (SCADA) or Operational Data System.			•	•	

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683	OEMP Section 1.1 – Introduction – Scope of Operation Environmental Management Plan	As the EA review and environmental permitting processes are ongoing, it is anticipated that additional mitigation, commitments or conditions may be identified in consultation with regulators, Indigenous communities, and stakeholders. As such, it is anticipated that this OEMP will be updated with the following as required: <ul style="list-style-type: none"> ■ Commitments and approval conditions arising from the EA review process; ■ provincial and federal environmental permitting commitments and conditions; or, ■ applicable updates to provincial and federal environmental regulatory requirements between construction start and the start of Project operation 			•	•	
684	OEMP Section 1.1 – Introduction – Scope of Operation Environmental Management Plan	The transmission line will be inspected on a semi-annual to annual basis for signs of physical damage (e.g., broken or missing insulators), loose or eroded parts (e.g., bolts), and condition of the conductors (e.g., frayed or areas of reduced clearance).			•	•	
685	OEMP Section 1.1 – Introduction – Scope of Operation Environmental Management Plan	The transmission line ROW will be patrolled once each year to identify damaged infrastructure (water crossings and road washouts) as well as vegetation which could pose a risk to the transmission line.			•	•	
686	OEMP Section 1.1 – Introduction – Scope of Operation Environmental Management Plan	Annual patrols will ensure that vegetation that could grow into or fall into the transmission line are identified and removed before they could cause a potential power outage. These inspections will be done from the air or by ground access using the ROW and permanent access roads.			•	•	
687	OEMP Section 1.1 – Introduction – Scope of Operation Environmental Management Plan	Information collected throughout the implementation of this OEMP will be used to evaluate predictions made in the environmental assessment of the Project, and allow NextBridge to make corrective plans and take corrective actions where necessary. Therefore, the OEMP is a 'live' document and will be updated as the Project progresses.			•	•	
688	OEMP Section 2 – Environmental Regulations and Requirements	A preliminary list of relevant environmental regulations and requirements applicable to the Project operation phase is provided in Table 4-III-1. This list will be updated when there are additional requirements identified from the regulatory consultation and review process.			•	•	
689	OEMP Section 3 – Roles and Responsibilities	The Area Operations Lead (refer to Appendix 4-II, Appendix A for contact information) will be responsible for implementation of all aspects of the OEMP. This position is responsible for providing the resources necessary to complete the required tasks and in a manner consistent with this OEMP			•	•	
690	OEMP Section 4.1 – Environmental Compliance – Approvals, Permits and Licences for Operations	Any permits required during operation activities will be appended in this OEMP. All designated NextBridge personnel shall review and clearly understand the conditions relating to operation activities that are attached to the permit documents. The required additional approvals will be confirmed as Project planning and design progress.			•	•	
691	OEMP Section 4.2 – Environmental Compliance – Environmental Inspection EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 11 – Acoustic Environment EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 20 – Visual Environment EA Report – Section 21 – Human Health	NextBridge will oversee implementation of the environmental management measures described in the OEMP during operation and maintenance.			•	•	
692	OEMP Section 4.2 – Environmental Compliance – Compliance Reporting	Permits typically require submission of compliance reports at specified intervals during the life of the Project. These records will be retained with other appropriate Project documentation in Project files.			•	•	
693	OEMP Section 4.2 – Environmental Compliance – Compliance Reporting	A compliance self-assessment will be carried out to document compliance with the commitments made in the amended EA Report for the Project, including implementation of mitigation (impact management measures) and conditions of approval. The MECP will be updated regarding compliance at regular intervals during operation, depending on the monitoring reporting requirements specified in approval conditions			•	•	
694	OEMP Section 5 – Environmental Management During Operation	Upon commissioning, the Project will operate on a continuous basis and will be maintained by NextBridge.			•	•	
695	OEMP Section 5 – Environmental Management During Operation	Maintenance activities will include regular inspection of the transmission line and associated infrastructure, and vegetation management along the ROW.			•	•	
696	OEMP Section 5 – Environmental Management During Operation	Operation and maintenance activities will be conducted in accordance with permits and regulations.			•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
697	OEMP Section 5 – Environmental Management During Operation	The maintenance inspections may indicate that repairs may be required that could involve the replacement of insulators, anchors, or guy wires, requiring the use of heavier equipment such as backhoes or cranes. NextBridge will attempt to fix identified issues during maintenance inspections, but return trips may be required.			•	•	
698	OEMP Section 5 – Environmental Management During Operation	Emergency repairs will be carried out in a time sensitive manner.			•	•	
699	OEMP Section 5 – Environmental Management During Operation	Spare parts and poles will be stored in a storage yard or warehouse in proximity to the transmission line in case emergency repairs are required. The quantity of this material and storage location will be determined by NextBridge			•	•	
700	OEMP Section 5 – Environmental Management During Operation	NextBridge anticipates the permanent access roads and ROW will be sufficient access to maintain and operate the Project. If there is a maintenance or emergency response activity that requires additional access or additional permitting requirements, NextBridge will identify these requirements and consult with the appropriate regulatory authorities and relevant stakeholders (e.g., landowners of private land), as required.			•	•	
701	OEMP Section 5.1 – General Mitigation Measures – Regulatory Approvals and Notifications	Acquire applicable local, municipal, provincial and federal licences, permits and approvals for operation and maintenance, and adhere to applicable conditions throughout the lifecycle of the Project.			•	•	
702	OEMP Section 5.1 – General Mitigation Measures – Regulatory Approvals and Notifications	Notify applicable federal and provincial regulatory agencies, interested municipal officials and relevant stakeholders (e.g., landowners of private land) of maintenance activities as warranted.			•	•	
703	OEMP Section 5.1 – Environmental Management During Operation – General Mitigation Measures – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Contractors will report issues and incidents with wildlife or nuisance wildlife as soon as it is safe to do so to NextBridge, who shall determine corrective and/or emergency action to be taken in the field. NextBridge will determine what regulatory reporting is required.					
704	OEMP Section 5.1 – Environmental Management During Operation – General Mitigation Measures – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Hunting and fishing on the Project footprint by Project personnel is prohibited.					
705	OEMP Section 5.1 – Environmental Management During Operation – General Mitigation Measures – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Vehicles will not exceed speed limits established for the Project footprint.					
706	OEMP Section 5.1 – General Mitigation Measures – Water Bodies OEMP Section 5.2 – Access and Travel on Right-of-Way – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Follow applicable measures from MNR’s <i>Environmental Guidelines for Access Roads and Water Crossings</i> (MNR 1990), <i>Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales</i> (MNR 2010a) and its associated Background Rationale document (MNR 2010b).			•	•	
707	OEMP Section 5.1 – General Mitigation Measures – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Periodically (e.g., before and/or after spring freshet) inspect and maintain culverts to prevent blockages from forming and causing ponding or backwater effects. Where culverts are installed at fish bearing water bodies, debris removal activities will follow DFO’s guidance (i.e., gradual removal such that flooding downstream, extreme flows downstream, release of suspended sediment, and fish stranding can be avoided).			•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
708	OEMP Section 5.1 – General Mitigation Measures – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Re-fuelling or equipment maintenance activities are not to occur within 100 m of a water body.			•	•	
709	OEMP Section 5.1 – General Mitigation Measures – Noxious Weeds EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	The Weed Management Plan outlined in the CEPP (refer to Appendix 4-II, Section 8.4) will be implemented, when required.			•	•	
710	OEMP Section 5.1 – General Mitigation Measures – Noxious Weeds EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	During the Project orientation, Project personnel will be made aware of the weeds management strategies.			•	•	
711	OEMP Section 5.1 – General Mitigation Measures – Noxious Weeds EA Report – Section 12 – Vegetation and Wetlands	NextBridge may inspect equipment and vehicles prior to Project footprint entry.			•	•	
712	OEMP Section 5.1 – General Mitigation Measures – Erosion and Sedimentation Control OEMP Section 5.3 – Vegetation Management Program – Erosion and Sedimentation Control EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	Specific measures such as installing temporary sediment barriers (e.g., berms, silt fences) will be undertaken as required to prevent sediment laden water from entering a water body.			•	•	
713	OEMP Section 5.1 – General Mitigation Measures – Erosion and Sedimentation Control EA Report – Section 2 – Consultation and Engagement EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources	In areas where reseeding is required for erosion control, seeds will be applied in low reseeding rates to encourage the growth of native vegetation.			•	•	
714	OEMP Section 5.1 – General Mitigation Measures – Spill Prevention EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	NextBridge will adhere to the Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Appendix C) to prevent spills and/or release. ▪			•	•	
715	OEMP Section 5.1 – General Mitigation Measures – Spill Prevention EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Equipment for ROW maintenance activities will be routinely inspected for leaks.			•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
716	OEMP Section 5.1 – General Mitigation Measures – Spill Prevention EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Equipment is to arrive on site in a clean condition in accordance with the <i>Clean Equipment Protocol for Industry</i> (Halloran et al. 2013) and is to be maintained free of fluid leaks.			•	•	
717	OEMP Section 5.1 – General Mitigation Measures – Spill Prevention EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Re-fuelling or equipment maintenance activities will follow mitigation measures outlined in the Spill Prevention and Response Contingency Plan (refer to Appendix 4-III, Appendix C).			•	•	
718	OEMP Section 5.1 – General Mitigation Measures – Spill Prevention EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	In the event that any spills occur, implement the reporting measures provided in the Spill Prevention and Response Contingency Plan (refer to Appendix 4-II, Appendix C).			•	•	
719	OEMP Section 5.1 – General Mitigation Measures – Noise Concerns EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Maintenance activities will typically occur during the daytime period from 07:00 to 19:00. In the event maintenance will occur beyond the daytime period, NextBridge will re-evaluate the potential Project-related effects and if required, review mitigation requirements.			•	•	
720	OEMP Section 5.1 – General Mitigation Measures – Noise Concerns EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 11 – Acoustic Environment EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Comply with local municipal noise by-laws and the MECP draft guidance (i.e., DRAFT – MOECC Guideline for Assessing Audible Noise from High Voltage Electricity Transmission Lines, 2011).			•	•	
721	OEMP Section 5.1 – General Mitigation Measures – Reporting	In addition to annual reports summarizing activities and general findings, technical reports will be prepared at appropriate intervals during the operation and maintenance phase of the Project. These reports will include compilation and analysis of monitoring results during the relevant period, and make recommendations concerning the need for any changes to the mitigation or monitoring approach.			•	•	
722	OEMP Section 5.2 – Environmental Management During Operation – Access and Travel on Right-of-Way	Access roads required during the operation of the Project will be maintained by NextBridge and used to access the Project area for maintenance purposes, to complete inspections, and for emergency purposes.			•	•	
723	OEMP Section 5.2 – Environmental Management During Operation – Access and Travel on Right-of-Way	Maintenance associated with these roads will include regular inspections (annually) and vegetation maintenance.			•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
724	OEMP Section 5.2 – Access and Travel on Right-of-Way – Access Management EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Existing roads and trails identified in Access and Construction Environmental Maps will be used.			•	•	
725	OEMP Section 5.2 – Access and Travel on Right-of-Way – Access Management EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	If there is a maintenance or emergency response activity that requires additional access or additional permitting requirements, NextBridge will identify these requirements and consult with the appropriate regulatory authorities, as required.			•	•	
726	OEMP Section 5.2 – Access and Travel on Right-of-Way – Access Management EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Access roads required during the operation of the Project will be maintained by NextBridge and used to access the Project area for maintenance purposes, to complete inspections, and for emergency purposes.			•	•	
727	OEMP Section 5.2 – Access and Travel on Right-of-Way – Access Management EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Maintenance associated with these roads will include regular inspections (annually) and vegetation maintenance as per road use agreement.			•	•	
728	OEMP Section 5.2 – Access and Travel on Right-of-Way – Access Management EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	If the General Contractor (Valard) plans to use salt on access roads constructed, or within the Project footprint, it must prepare, and submit for approval to NextBridge, a Salt Management Plan. The Salt Management Plan should consider Industry Best Management Practices for road salt management.			•	•	
729	OEMP Section 5.2 – Access and Travel on Right-of-Way – Vehicles and Equipment OEMP Section 5.3 – Vegetation Management Program – Noxious Weeds EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	The Weed Management Plan outlined in the CEPP (refer to Appendix 4-II, Section 8.4) will be implemented, when required.			•	•	
730	OEMP Section 5.2 – Access and Travel on Right-of-Way – Vehicles and Equipment EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Vehicles will not exceed speed limits established by NextBridge and will lower speeds in specific conditions such as areas of high erosion hazard.			•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible							
			Prior to Construction	Construction	Operation	Owner	Contractor						
731	OEMP Section 5.2 – Access and Travel on Right-of-Way – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	NextBridge will post signs warning Project personnel of high use wildlife areas to the extent practicable.			•	•							
732	OEMP Section 5.2 – Access and Travel on Right-of-Way – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	NextBridge will provide the appropriate resource specialist, if required, to assess sensitive features and to inspect or monitor Project activities at or near sensitive areas.			•	•							
733	OEMP Section 5.2 – Access and Travel on Right-of-Way – Wildlife and Wildlife Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Project personnel will receive wildlife awareness training.			•	•							
734	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	A Transmission Vegetation Management Program (TVMP) is required by North American Electric Reliability Corporation (NERC) Standard FAC-003 for transmission lines operating at 200 kV and higher (NERC 2006).			•	•							
735	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	The TVMP will also include vegetation management standards to be implemented with a goal to ensure vegetation does not interfere with the safe and reliable operation and maintenance of the transmission line, or prohibit access to the transmission line structures, with a compatible vegetation height of approximately 2 m or less.			•	•							
736	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	Vegetation maintenance will be required to ensure worker and public safety.			•	•							
737	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	Vegetation management vehicles can include pickup trucks and other vehicles necessary to perform vegetation management duties adjacent to and in the ROW.			•	•							
738	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	A summary of anticipated vegetation maintenance activities is provided in Table 4-III-3. Table 4 III-3: Anticipated Vegetation Management Activities <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Activity</th> <th>Estimated Frequency</th> </tr> </thead> <tbody> <tr> <td>Comprehensive vegetation management (NERC -FAC-003)</td> <td>Annually by air and ground patrol</td> </tr> <tr> <td>ROW inspections</td> <td>Annually by air and ground patrol</td> </tr> </tbody> </table>	Activity	Estimated Frequency	Comprehensive vegetation management (NERC -FAC-003)	Annually by air and ground patrol	ROW inspections	Annually by air and ground patrol			•	•	
Activity	Estimated Frequency												
Comprehensive vegetation management (NERC -FAC-003)	Annually by air and ground patrol												
ROW inspections	Annually by air and ground patrol												
739	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	It is anticipated that vegetation will not be removed in areas where clearance-to-ground levels allow for increased vegetation height (i.e., where the line spans water bodies and in canyons and ravines).			•	•							
740	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	Vegetation removal will be required in areas with lower clearance levels as tall-growing vegetation has potential to fall onto the conductors and interfere with electricity transmission.			•	•							
741	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program EA Report – Section 4 – Project Description	Prior to vegetation clearing, conductor-to-ground clearances will be matched with acceptable vegetation retention levels to minimize the amount of clearing required while maintaining appropriate safety margins.			•	•							
742	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	Maintenance activities associated with vegetation will generally include mechanical, manual, and chemical (herbicide) methods for keeping vegetation at an appropriate height to protect the facility and improve public and worker safety.			•	•							
743	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	Determination of the method to be used (i.e., mechanical, manual, or chemical) will be based on season (time of year), the type of vegetation, site-specific features (i.e., topography, terrain, sensitivity), cost, aesthetics, and environmental and socio-economic features and in consultation with potentially impacted Indigenous communities.			•	•							
744	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program	Visual ground and aerial patrols will be completed to identify areas that require vegetation clearing, and the schedule will be based on growth cycles, system security, public health/safety, protecting the environment, and maintenance associated with the existing East-West Tie transmission line. Based on the results, spot treatment via ground crews may occur.			•	•							

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
745	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 4 – Project Description EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	No aerial application of herbicides is planned in the preferred route ROW. If herbicide use is necessary, it will be applied on the ground as spot application.			•	•	
746	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program EA Report – Section 4 – Project Description EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Use of herbicides within the 30 m water body buffer will be prohibited unless the herbicide application is conducted by ground application equipment or otherwise approved by the relevant regulatory agency. If other methods cannot be used within the slope dependent vegetation buffer (30-90 metres) and. , only approved herbicides would be used.			•	•	
747	OEMP Section 5.3 – Environmental Management During Operation – Vegetation Management Program EA Report – Section 12 – Vegetation and Wetlands	NextBridge will develop and implement a TVMP that is similar to the TVMP developed by NextEra (refer to Appendix 4-II, Appendix D), as required by NERC Standard FAC-003 for transmission lines operating at 200 kV and higher.			•	•	
748	OEMP Section 5.3 – Vegetation Management Program – Activity Schedule EA Report – Section 13 – Fish and Fish Habitat	NextBridge, its authorized representatives, contractor(s), and subcontractors, will adhere to the recommended timing windows and restrictions described in Appendix 4-III, Table 4-III-4.			•	•	
749	OEMP Section 5.3 – Vegetation Management Program – Activity Schedule EA Report – Section 13 – Fish and Fish Habitat	Planning of mechanical vegetation management will consider the sensitive wildlife periods described in Appendix 4-III, Table 4-III-4.			•	•	
750	OEMP Section 5.3 – Vegetation Management Program – Wildlife and Wildlife Habitat EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	In the event that a nest is found, implement the Wildlife Features of Concern Discovery Contingency Plan outlined in the CEPP (refer to the Appendix 4-II, Section 7.5).			•	•	
751	OEMP Section 5.3 – Vegetation Management Program – Wildlife and Wildlife Habitat EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Allow compatible vegetation in the ROW to grow back to a maximum height of 2 m to provide cover and reduce line-of-sight for predators.			•	•	
752	OEMP Section 5.3 – Vegetation Management Program – Wildlife and Wildlife Habitat EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Identify hazard trees that are located off-ROW. Permission will be obtained from the landowner or MNRF to fell hazardous trees.			•	•	
753	OEMP Section 5.3 – Vegetation Management Program – Clearing Equipment OEMP Section 5.3 – Vegetation Management Program – Areas with Critical Landform/ Vegetation Association EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands	Use clearing equipment that minimizes surface disturbance, soil compaction and topsoil loss (e.g., equipment with low ground pressure tires, or wide track), when working in wet areas, under wet conditions, or during spring break-up).			•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
754	OEMP Section 5.3 – Vegetation Management Program – Clearing Equipment OEMP Section 5.3 – Vegetation Management Program – Areas with Critical Landform/ Vegetation Association EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands	Clearing may be accomplished by harvesting equipment, mulchers, and hand cutting.			•	•	
755	OEMP Section 5.3 – Vegetation Management Program – Erosion and Sedimentation Control EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 15 – Archaeological Resources	Mechanical clearing and other equipment activity will be minimized within the 30-90 m vegetation buffer .			•	•	
756	OEMP Section 5.3 – Vegetation Management Program – Areas with Critical Landform/ Vegetation Association EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	Clear merchantable timber by hand, where required.			•	•	
757	OEMP Section 5.3 – Vegetation Management Program – Areas with Critical Landform/ Vegetation Association EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	Mechanical clearing and other equipment activity will be minimized and no turning of equipment, or vehicles (i.e., straight in general application, straight out) to the extent practicable.			•	•	
758	OEMP Section 5.3 – Vegetation Management Program – Areas with Critical Landform/ Vegetation Association EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	Restrict the general application of herbicide in CLVAs to the extent practicable.			•	•	
759	OEMP Section 5.3 – Vegetation Management Program – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Vegetation clearing within the slope dependent vegetation buffer "30m - 90m will be limited to where vegetation may present a health, safety and environmental (HSE) hazard to Project operation and maintenance.			•	•	
760	OEMP Section 5.3 – Vegetation Management Program – Water Bodies EA Report – Section 7 – Surface Water	Multi-stage drainage and sediment controls will be employed at work sites as appropriate.			•	•	

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
761	OEMP Section 5.3 – Vegetation Management Program – Water Bodies EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Maintain low vegetation or vegetated ground mat within the 30 m water body buffer to the extent practicable.			•	•	
762	OEMP Section 5.3 – Vegetation Management Program – Noxious Weeds EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 14 – Wildlife and Wildlife Habitat	NextBridge will conduct a weed monitoring program to identify and prioritize weeds for removal.			•	•	
763	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	Use of herbicides/pesticides will follow requirements under the Ontario <i>Pesticides Act</i> .			•	•	
764	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	Necessary permits will be obtained for the application, transportation, storage, and disposal of pesticides. Only herbicide products registered for use in Canada by the Pest Management Regulatory Agency of Health Canada will be used.			•	•	
765	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	No herbicides will be used in sensitive areas including reserve lands, protected areas, within slope dependent vegetation buffer" and certain other edible and medicinal plant harvesting areas the communities have identified.			•	•	
766	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	Apply approved herbicides under the direction of a provincially-licensed applicator.			•	•	

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
767	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides OEMP Section 5.3 – Vegetation Management Program – Rare Plants/ Rare Vegetation Communities OEMP Section 5.3 – Vegetation Management Program – Traditional Use Plant Species EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 21 – Human Health	Restrict the general application of herbicide near rare plants or rare ecological communities. Spot spraying, wicking, mowing, or hand-picking are acceptable measures for weed control in these areas.			•	•	
768	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	Prohibit the use of herbicides within the "slope dependent vegetation buffer (30m - 90m)". unless the herbicide application is conducted by ground application equipment or otherwise approved by the relevant regulatory agency.			•	•	
769	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	Storage, handling and application of herbicide will comply with the Ontario <i>Clean Water Act</i> . Do not use herbicides within 100 m of identified wells.			•	•	
770	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 8 – Groundwater EA Report – Section 7 – Surface Water EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 21 – Human Health	NextBridge will post on their website (www.nextbridge.ca) relevant information about the application of herbicide (e.g., anticipated dates, areas to be sprayed, sprayed dates) to advise the public of herbicide use along the ROW at least 45 days prior to application.			•	•	
771	OEMP Section 5.3 – Vegetation Management Program – Use of Herbicides	NextBridge will communicate relevant information about the application of herbicide (e.g., anticipated dates, areas to be sprayed, sprayed dates) to advise the Indigenous communities of herbicide use along the ROW and to allow sufficient time for the Indigenous communities to harvest traditional use plant species at least 45 days in advance of application. If additional time is requested based on consultation with Indigenous communities NextBridge will take all reasonable efforts to accommodate.			•	•	

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
772	CEPP Section 6.9 – Project Site Cleanup and Reclamation – Seeding and Revegetation OEMP Section 5.3 – Vegetation Management Program – Traditional Use Plant Species EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Specific plant and/or material harvesting sites such as blueberry patches identified by First Nation communities will be allowed to naturally revegetate (i.e., will not be removed as incompatible vegetation) in the ROW.			•	•	
773	OEMP Section 5.4 – Environmental Management During Operation – Emergency Response Plan	An Emergency Response Plan will be developed for the Project operation and maintenance phase and will also include procedures for responding to environmental emergency incidents.			•	•	
774	OEMP Section 5.4 – Environmental Management During Operation – Emergency Response Plan	Mitigation measures for spill prevention and response to environmental incidences are outlined in Appendix C (refer to Appendix 4-III).			•	•	
775	OEMP Section 5.5 – Environmental Management During Operation –Fire Prevention	The transmission line will be maintained in accordance with the Ontario <i>Occupational Health and Safety Act</i> (Government of Ontario 1990b) and other relevant regulations that establish clearances from other man-made and natural structures as well as tree-trimming requirements to reduce/avoid fire hazards.			•	•	
776	OEMP Section 5.5 – Environmental Management During Operation –Fire Prevention	NextBridge will maintain the transmission line ROW and immediate area in accordance with existing regulations and accepted industry practices that will include identification and abatement of fire hazards.			•	•	
777	OEMP Section 5.5 – Environmental Management During Operation –Fire Prevention EA Report – Section 4 – Project Description EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	Adhere to the <i>Industrial Operations Protocol</i> (MNR 2015) and provide to MNR upon request fire prevention and preparedness plans, planned fire preparedness activities and planned modifications and/or mitigation actions.			•	•	
778	OEMP Section 6 – Environmental Training	NextBridge will make sure that Project personnel receive environmental orientation in relation to the OEMP.			•	•	
779	OEMP Section 6 – Environmental Training	Project-personnel will be made aware and have an understanding of commitments, their obligations and duties described in this OEMP.			•	•	
780	OEMP Section 6 – Environmental Training	NextBridge will also develop and deliver advanced environmental training to relevant Project personnel (e.g., inspectors, consultants resources specialists, contractors)			•	•	
781	OEMP Section 6 – Environmental Training	NextBridge will provide orientation on the Environmental Hazard Assessment program (refer to Appendix 4-II, Appendix B).			•	•	
782	OEMP Appendix C – Spill Prevention and Response Contingency Plan – Reporting – NextBridge Measures #1	NextBridge will report spills in accordance with the provincial requirements (refer to Table Appendix 4-III, 4-III-C-1).			•	•	
783	OEMP Appendix C – Spill Prevention and Response Contingency Plan – Reporting – NextBridge Measures #2	Releases that require external report include spills that: <ul style="list-style-type: none"> ▪ cause harm or material discomfort to any person; ▪ injure or damages property or animal life; ▪ impair the quality of the natural environment air, water or land; ▪ cause adverse health effects; ▪ present a safety risk; ▪ render property, plant or animal life unfit for use; ▪ lead to the loss of enjoyment of the normal use of property; or ▪ interfere with the normal conduct of business. 			•	•	

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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

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			Prior to Construction	Construction	Operation	Owner	Contractor
784	OEMP Appendix C – Spill Prevention and Response Contingency Plan – Reporting – NextBridge Measures #3	The immediate report must include: <ul style="list-style-type: none"> your name and phone number; name of the company or individual responsible for the spill; time and location of the spill; type and quantity of material spilled (if you know); and status of the spill, including actions being taken to control the spill. Information provided to the center will be forwarded to Environment Canada, who will in turn contact DFO if warranted. The following information will be required during the notification process: <ul style="list-style-type: none"> your name and phone number; name of the company or individual responsible for the spill; time and location of the spill; type and quantity of material spilled (if you know); and status of the spill, including actions being taken to control the spill. 			•	•	
785	OEMP Appendix C – Spill Prevention and Response Contingency Plan – Transportation, Storage, and Handling – Contractor Measures #10 EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 12 – Vegetation and Wetlands EA Report – Section 13 – Fish and Fish Habitat	The transportation, storage, and handling of hazardous materials (e.g., fuel, hydrocarbon, brake fluids) will be in compliance with the <i>Technical Standards and Safety Act</i> (Government of Ontario 2000), the <i>Transportation of Dangerous Goods Act, 1992</i> , the <i>National Fire Code</i> (National Fire Code of Canada 2010), and the <i>Occupational Health and Safety Act</i> (Government of Ontario 1990b).			•		•
786	OEMP Appendix C – Spill Prevention and Response Contingency Plan – Reporting – Contractor Measures #17	Report all spills and releases immediately to NextBridge.			•		•
787	OEMP Appendix C – Spill Prevention and Response Contingency Plan – Reporting – Contractor Measures #18	Prepare a spill report using the Spill Reporting Form (refer to Appendix 4-II, Appendix E) and submit all spill reports to NextBridge.			•		•
788	OEMP Appendix C – Spill Prevention and Response Contingency Plan – Release – Contractor Measures #24	Restore the areas to the satisfaction of the Area Operations Lead and/or regulatory agencies.			•		•
789	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to engage with trapper and fur manager groups to keep them informed of the Project and will give them advanced notice of the construction schedule and clearing activities.	•				•
790	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge continues to work with MNRF to confirm all Crown interests impacted by the Project, to make sure that appropriate consultation occurs.	•	•			•
791	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will be requesting appropriate land agreements from the railways for the crossing of their infrastructure. Engagement with Canadian Pacific Railway and Canadian National Railway is documented in the Property Owner and Interest Holder Interaction Record (Appendix 2-III-A).	•				•
792	EA Report – Section 2 – Consultation and Engagement Summary	Meetings with SFLs have been initiated by the General Contractor (Valard) to discuss overlapping agreements and conditions which will continue through the course of the Project and into construction.	•	•			•
793	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge continues to engage local governments to address new concerns as they arise.	•	•			•
794	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue working with potentially affected Indigenous communities, stakeholders, such as landowners and interest holders to keep them informed of proposed tower locations as tower placement work progresses to address concerns related to recreational use and trail access.	•	•			•
795	EA Report – Section 2 – Consultation and Engagement Summary	Concerns related to visual effects have been and will continue to be investigated on a case by case basis and NextBridge commits to taking reasonable measures to minimize the potential environmental and visual effects of the Project.	•	•			•
796	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge has committed to ongoing consultation with the Ski Club throughout Project development to minimize right-of-way clearing and access disruptions where possible in the area of the Ski Club's trails.	•	•			•
797	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge is reviewing clearing requirements to minimize the amount of clearing required, while still meeting regulatory requirements and safety clearances. NextBridge will review access and construction plans and consult further with the Ski Club.	•	•			•
798	EA Report – Section 2 – Consultation and Engagement Summary	Public access will be maintained but may be controlled if required for safety of recreational users.	•	•			•
799	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to work with land use permit (LUP) holder and the MNRF for use of existing roads within LUP.	•	•			•
800	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge and the General Contractor (Valard) will discuss Project access with SFL holders and negotiate Road Use Agreements (refer to Section 19.7.14.1.2 of the Amended EA Report).	•	•			•
801	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	NextBridge has a compensation policy that includes compensation to directly affected mining, aggregate, and unpatented claims. Therefore, directly affected commercial industrial operators who lose access to their businesses (mining claims or aggregate pits) because it falls within the Project footprint will be compensated for lost revenue due to the Project.		•			•
802	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to engage with and use best practices to minimize effects to nearby potential claim holders, licence holders and other tenure holders to the extent practical.	•	•			•

**APPENDIX 23-I
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Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
803	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to engage with, and use best practices to minimize effects to SFL holders and other tenure holders to the extent practical.	•	•		•	
804	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	NextBridge and the General Contractor (Valard) will continue engagement with SFL holders to: <ul style="list-style-type: none"> review planned harvest allocations from approved Forest Management Plans (FMPs) as they relate to Project construction activities including clearing of the ROW and use of land for temporary Project components such as construction camps and laydown yards; coordinate harvesting where possible in areas where there is overlap between the Project and planned harvest allocations, including the negotiation of Forest Resource Licenses with the SFL holders and their overlapping licensees in circumstances where NextBridge and its contractors are carrying out clearing activities; stockpile merchantable timber at landings near the edge of the boundaries in a manner that is accessible to hauling trucks. Timber is not to be piled within the slope dependent vegetation buffer (30m-90m) or wet areas, or other overhead or underground utility or crossing unless specified by SFL holder; discuss Project access as it relates to planned access road construction and access management strategies (including decommissioning) in approved FMPs to reduce effects to SFL holders and eliminate the need for amendments to forest management plans where possible; negotiate Road Use Agreements to clarify access road use and management strategies including upgrading, use, maintenance, monitoring, decommissioning and ownership of roads and water crossings; and identify silviculturally treated areas and negotiate compensation for investments (to Forest Renewal Trust [FRT] or Forestry Futures Trust [FFT]) where required. 	•	•		•	•
805	EA Report – Section 2 – Consultation and Engagement Summary	. NextBridge will continue to work with LUP holder and the Ministry for use of existing roads within LUP.	•	•		•	
806	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	Notify affected parties of the general construction schedule 45 days before the start of construction (e.g., registered trapline holders, and registered Bait Management Areas (BMA) and Bait Harvest Area (BHA) clubs along the route).	•			•	
807	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	Negotiate with affected BMA licence holders and/or the MNRF to develop a mutually agreeable solution to offset any identified access or harvest effects on tenured BMAs (e.g., compensation or relocation of BMAs for affected outfitters and operators).	•			•	
808	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	Negotiate with affected baitfish harvesters, to develop a mutually agreeable solution with tenure holders to offset any identified access or harvest effect (e.g., compensation or relocation).	•			•	
809	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	Negotiate with affected registered trapline holders who would no longer are able to trap within the Project Site, or whose trapline areas will be severed or isolated as a result of the Project (e.g., compensation or relocation). Where feasible, coordinate the relocation of traps in advance of construction and maintain ongoing communication with local trapping groups and associations.	•			•	
810	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 4 – Project Description EA Report – Section 18 – Socio-Economics	To increase visibility and reduce risk of accidents, all guy wires (typically four per guyed structure) will be marked or covered with high-visibility plastic markers (sleeves), from ground level to above the anticipated typical snow depths (i.e., the seasonal high snow embankment), and will comply with applicable codes and standards. This will also help to protect the guy wires at the base of the structures.		•		•	•
811	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge is committed to engaging with property owners in an open and respectful manner, with a commitment to timely, meaningful and transparent dialogue as it relates to property owner compensation and land rights. For a more detailed response to these comments, refer to Appendix 1-IV-C of the amended EA Report.	•	•	•	•	
812	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to engage stakeholders and other interested parties through regular, transparent, and open communication.	•	•	•	•	
813	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge is planning to continue outreach activities through the Amended EA Report review period and the construction and operation phases of the Project. Additional outreach is expected to include pre-construction open houses or suitable engagement events approximately four to six weeks in advance of construction. Specific timing and nature of the engagement events will be influenced by timing of EA and LTC approvals.	•	•		•	
814	EA Report – Section 2 – Consultation and Engagement Summary	Information and feedback collected during pre-construction engagement events will be used to plan and help mitigate local Project construction and operational effects and continued engagement with stakeholders in relation to the Project.	•	•	•	•	
815	EA Report – Section 2 – Consultation and Engagement Summary	The relationship between NextBridge and property owners and interest holders will continue through Project development activities, construction, and operation, by way of the ongoing personal, one-window contact provided by land agents.	•	•	•	•	
816	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to support local community investment and review donation requests for the life of the Project.	•	•	•	•	

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817	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to seek out and support community investment opportunities and initiatives with various organizations to assist in building and maintaining long-term collaborative relationships.	•	•	•	•	
818	EA Report – Section 2 – Consultation and Engagement Summary	Activities that NextBridge has carried out, and will be carrying out, to fulfill the provincial EA process will adhere to the MECP's expectations for consultation as described in the <i>Code of Practice: Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario</i> (MOECC 2014b).	•	•	•	•	
819	EA Report – Section 2 – Consultation and Engagement Summary	All Indigenous communities will be provided with information on the methodology of construction, timing of construction, safety and communication channels for construction and how the Project has avoided or minimized potential adverse impacts to the environment, and will be provided with the opportunity to engage in a direct dialogue, to allow both NextBridge and the community to understand if there will be any potential effects resulting from the Project on their Aboriginal or treaty rights or interests.	•	•	•	•	
820	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to work with each of the identified Indigenous communities in the development of appropriate processes to ensure that each Indigenous community and its members has access to information concerning the Project in a form that is useful to them.	•	•	•	•	
821	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge and the six Bamkushwada LP communities will continue to be respectful of each other's rights and interests and will continue to engage and have dialogue with each other and work cooperatively during the development, construction and operation of the Project.	•	•	•	•	
822	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will consult with Indigenous groups about the Project and will consider Traditional Ecological Knowledge (TEK) and Traditional Land and Resource Use (TLRU) information that is shared during further detailed Project planning processes (e.g. post-EA processes). The continued engagement and consultation with potentially affected Indigenous communities through the life of the Project will provide an opportunity for communities to identify additional land and resource use sites that have the potential to be affected by the Project.	•	•	•	•	
823	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge intends to take the following actions when additional TEK and TLRU information is received: <ul style="list-style-type: none"> ■ Review the information for any site-specific interactions with the Project footprint. ■ In the event there is an interaction between a location identified by an Indigenous community and Project footprint, NextBridge will engage the identifying community to discuss the importance of the site to the community, and potential mitigation measures. ■ Appropriate mitigation measures are expected to be dependent on the proximity of the site in relation the Project footprint and the nature of the site (e.g., hunting location versus camping site). NextBridge intends to discuss appropriate mitigation measures with the identifying Indigenous community. Potential mitigation measures may include: <ul style="list-style-type: none"> ■ detailed mapping, recording, flagging and avoidance of the location, where possible; ■ in the event that avoidance of the site not be feasible, NextBridge will discuss other alternatives with the identifying Indigenous community; ■ implementation of mitigation measures to reduce potential for indirect effects on the site such as measures designed to reduce noise, or, where possible, the scheduling of construction outside of periods when the site will be used by Indigenous land users; and ■ sites requiring non-standard mitigation will be added to the CEPP (refer to Appendix 4-II), OEMP (refer to Appendix 4-III), Environmental Alignment Sheets (refer to Appendix 5-I), and Access and Construction Environmental Maps (refer to Appendix 5-II). 	•	•	•	•	
824	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 18 – Socio-Economics	NextBridge commits to hire local qualified personnel where appropriate.	•	•		•	
825	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 18 – Socio-Economics	NextBridge commits to support local and regional procurement where practicable.	•	•		•	
826	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 18 – Socio-Economics	NextBridge commits to prioritize employment opportunities for local qualified Indigenous candidates.	•	•		•	
827	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 18 – Socio-Economics	NextBridge will communicate employment requirements to Indigenous communities in the labour market and economic development local study area (LSA).	•	•		•	
828	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge commits to minimize environmental effects whenever possible during construction and operation.		•	•	•	
829	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge is committed to transparency in all activities it undertakes. NextBridge is committed to include the Indigenous communities affected by the Project in archaeological assessments, environmental and construction monitoring activities. NextBridge will continue to offer monitoring opportunities, site tours and visits in order to ensure communities understand the activity taking place. NextBridge is further committed to ensuring monitors, employees, contractors and site tours and visits are implemented during construction.		•		•	

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Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
830	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with AZA in response to any identified (new or existing) community issues and concerns as they are raised.	•	•	•	•	
831	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat EA Report – Section 19 – Non-Traditional Land and Resource Use	Schedule Project clean-up and reclamation to avoid or minimize interference to wildlife, migratory birds and fish spawning as much as possible.		•			•
832	EA Report – Section 2 – Consultation and Engagement Summary	The local forest company in the area with the forest license and the property owner will have the first opportunity to collect timber. NextBridge can discuss the possibility of the community having access to the timber if the forestry licence operation and property owner are not interested in the timber.		•		•	
833	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with BN in response to any identified (new or existing) community issues and concerns as they are raised .		•	•	•	
834	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with BZA in response to any identified (new or existing) community issues and concerns as they are raised..		•	•	•	
835	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with BNA in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
836	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with FWFN in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
837	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with GFN in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
838	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Access along the ROW will not be restricted during construction for Indigenous land users except where required for health and safety.		•		•	•
839	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes	Engage with potentially affected Indigenous communities to discuss appropriate mitigation related to traditional use sites or areas located on the Project footprint.		•		•	•
840	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water	Monitoring/inspections of new permanent water body crossing structures and roadside drainage features (on a bi-annual basis for the first two years following post-construction and then annually thereafter until pre-existing conditions are reached) for physical function and condition.		•		•	
841	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult LL58FN in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
842	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with MFN in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
843	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with MCFN in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
844	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with BFN in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
845	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with GRFN in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
846	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 19 – Non-Traditional Land and Resource Use	In addition to tenure holders, NextBridge will continue to consult with local First Nations and the Métis that address potential effects of Project-related wood harvesting. Ongoing discussions with First Nations and the Métis on the use of merchantable timber and wood fiber will continue. NextBridge will commit to ongoing discussions with Métis, however the Province of Ontario has clear regulations regarding merchantable timber and NextBridge is committed to following established regulatory oversight. Discussions regarding rights to harvest firewood should be addressed to MNRF		•		•	
847	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat	Where culverts are proposed, a fish and fish habitat survey will be completed prior to construction to determine the suitability of the crossing structure. Any potential alterations to the crossing structure or location will be incorporated into the permitting phase of the Project	•			•	
848	EA Report – Section 2 – Consultation and Engagement Summary	In response to a Pays Plat First Nation recommendation that a formal recognition and thank you be provided to trappers, land users and Elders in the community prior to construction, NextBridge is committed to discussing recognition of land users with PPFN.	•	•	•	•	
849	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge is committed to working with PPFN at all stages of the project including ensuring opportunities are made available to conduct community ceremonies.	•	•	•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
850	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to make reasonable efforts to consult with PPFN and will continue to respond to new community issues and concerns as they are raised.	•	•	•	•	
851	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with PMFN in response to any identified (new or existing) community issues and concerns as they are raised.	•	•	•	•	
852	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat	Monitoring/inspections of erosion and sediment management measures, bank stabilization features, and coffer dams to verify effectiveness		•			•
853	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 14 – Wildlife and Wildlife Habitat	Industry standards to avoid electrocutions have been incorporated in structure design (CSA C22.3, CSA 2015b).		•		•	
854	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with RRIB in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
855	EA Report – Section 2 – Consultation and Engagement Summary	Monitoring of total suspended solids (TSS) and/or turbidity (instrumented measurements and/or visual observations), and monitoring of streamflow rates and/or water levels at water body crossings during construction, as well as immediately before construction (to capture baseline water quality conditions at locations downstream of the planned works) and immediately following construction (to confirm that water quality conditions have stabilized).		•			•
856	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 7 – Surface Water	Monitoring of TSS and/or streamflow rates at water bodies that include greater sensitivity or implication to change from the standpoint of fish habitat, species at risk, channel stability, drainage pattern, or other environmental considerations. The specific monitoring locations will be determined during the permitting phase of the project; however, it is expected that water bodies of varying size (small, medium, large) would be captured, recognizing that this would allow the effectiveness of mitigation measures to be evaluated at a range of scales.		•			•
857	EA Report – Section 2 – Consultation and Engagement Summary EA Report – Section 13 – Fish and Fish Habitat	Post-construction monitoring at water body crossings to verify that erosion and sediment control measures have been successful (e.g., bank restoration and re-vegetation). The integrity of the crossing structures will be inspected regularly and during periods of high run-off, such as the spring freshet. Changes to the morphology of the water body channel or to sediment loading will be identified and addressed, as needed.		•			•
858	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with MNO in response to any identified (new or existing) community issues and concerns as they are raised.		•			•
859	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to consult with RSMIN in response to any identified (new or existing) community issues and concerns as they are raised.		•	•	•	
860	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge commits to responding to all written comments received from the Indigenous communities.	•	•		•	
861	EA Report – Section 2 – Consultation and Engagement Summary	For written comments received outside the MECP amended EA Report review period, NextBridge will respond to the Indigenous community comments directly to the Indigenous community and the response will be provided to MECP in a monthly Indigenous consultation log update.	•	•		•	
862	EA Report – Section 2 – Consultation and Engagement Summary	For any new comments received after the amended EA Report is finalized, NextBridge will discuss and resolve issues with Indigenous communities through meetings and teleconferences as required.					
863	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge is committed to working with Indigenous communities to receive their feedback on the Project and the amended EA Report, and incorporate feedback into the Project design and planning, as appropriate.	•	•		•	
864	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will continue to provide affected Indigenous communities with updates on Project design, construction planning, and schedule.	•	•		•	
865	EA Report – Section 2 – Consultation and Engagement Summary	Meeting minutes will, unless decided otherwise by agreement of the majority of the Aboriginal Community Advisory Board (ACAB) members present at any given meeting, be taken by a NextBridge representative and sent to the Chairperson for review, following which, will be disseminated to all members of the ACAB. Pending approval of the minutes by all ACAB members, the meeting minutes will be disseminated to NextBridge as well as to each First Nation and Métis community and its governance or representative communities.	•	•		•	
866	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge will implement the commitments in the ACAB as described in the ACAB and above. In lieu of the ACAB being established as described (e.g., due to ongoing engagement with the 18 identified Indigenous communities), the proposed Terms of Reference may be altered and further developed in collaboration with Indigenous communities to ensure ongoing consultation occurs before, during and after construction and into operations. Alternatively, other mechanisms may be used to continue consultation with communities.	•	•	•	•	
867	EA Report – Section 2 – Consultation and Engagement Summary	NextBridge commits to ongoing consultation and continuing dialogue with the 18 identified Indigenous communities for the life of the Project.	•	•	•	•	
868	EA Report – Section 3 – Evaluation of Alternatives	Mitigation measures that have been applied during Project design or will be implemented during construction and operation are provided in Sections 6 through 21 of the amended EA Report, the CEPP (refer to Appendix 4-II), the OEMP (refer to Appendix 4-III). The CEPP and OEMP will be living documents that will be updated with additional mitigation measures identified through the preparation of the Workfront Detailed Project Plans and the permitting processes.		•		•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
869	EA Report – Section 3 – Evaluation of Alternatives	NextBridge will continue to refine the construction and access plan as Project development continues and will continue to consult with stakeholders.		•		•	
870	EA Report – Section 3 – Evaluation of Alternatives	If additional laydown yards, storage yards and construction camps are required these will be located within previously disturbed areas, and/or at reasonably flat with stable soil sites, wherever practicable.		•		•	
871	EA Report – Section 4 – Project Description	Should revisions to Project design occur that result in an alteration to the conclusions of the effects assessment, NextBridge will discuss these changes with applicable regulatory agencies to determine required next steps such as appropriate stakeholder and Indigenous engagement and revisions to the Amended EA including the DPPs.	•			•	
872	EA Report – Section 4 – Project Description	Construction of the Project will be completed in accordance with industry best practices and applicable NextBridge guidelines. In particular, the Project will comply with North American Electric Reliability Corporation (NERC), Northeast Power Coordinating Council, Inc., and Independent Electricity System Operator (IESO) reliability standards. Likewise, it will meet the Canadian Standards Association minimum vertical clearances for transmission lines.		•		•	•
873	EA Report – Section 4 – Project Description	During operations, the ROW will be maintained and the transmission line inspected and repaired as needed, as discussed in Section 4.3.2.			•	•	
874	EA Report – Section 4 – Project Description	In addition to the minimum vertical clearance, NextBridge will add construction and survey tolerances so the line is constructed to meet the CSA 22.3 No.1 and OEB minimum technical requirements.	•	•		•	
875	EA Report – Section 4 – Project Description	Appropriate aerial marking for aviation and boating safety will comply with applicable codes and standards.		•		•	•
876	EA Report – Section 4 – Project Description	The transmission structures will be designed to withstand loadings associated with a 100-year return period meteorological event (i.e., a wind or icing event that is statistically expected to occur once every 100 years).		•		•	•
877	EA Report – Section 4 – Project Description	Water body crossings will meet CSA 22.3 No.1 and OEB minimum technical requirements for 230 kV conductor clearance over water bodies.		•		•	•
878	EA Report – Section 4 – Project Description	Soil profiling and ground resistance measurements will be completed during the construction phase of the Project to confirm the grounding system meets technical requirements.		•		•	•
879	EA Report – Section 4 – Project Description	Off-ROW access roads will be used where travel in the ROW with heavy equipment is not possible due to terrain or environmental sensitivities (i.e., ground conditions), or where access can be gained by using other off-ROW access, thereby reducing environmental impact (e.g., reduced water body crossings, avoidance of sensitive habitat or poor ground conditions).		•		•	•
880	EA Report – Section 4 – Project Description	The specific number, location, and characteristics of existing, improvement/widening, and new access roads to be used for the Project will be finalized as part of ongoing Project engineering and design, and will be planned and developed in consultation with Project stakeholders and in compliance with applicable legislation, regulations, and requirements identified in permits and authorizations. These details will be included in the Workfront DPPs.	•	•		•	
881	EA Report – Section 4 – Project Description	Construction or upgrade of the access roads will follow Ministry of Natural Resources and Forestry guidelines for access roads, including the <i>Environmental Guidelines for Access Roads and Water Crossings</i> document (MNR 1990).		•		•	•
882	EA Report – Section 4 – Project Description	The access roads will be all-weather and will be located within a cleared and grubbed approximately 20-m-wide road ROW.		•		•	•
883	EA Report – Section 4 – Project Description	Where possible, the existing Hydro One transmission line ROW and existing access roads to the Hydro One ROW will be used during both construction and operations.		•	•	•	•
884	EA Report – Section 4 – Project Description	All new access will have “cross drains” (culverts) installed where the topography requires natural ground water flow to take place.		•		•	•
885	EA Report – Section 4 – Project Description	Active construction sites will not be gated or fenced; however, during construction, gates and fencing for both temporary and permanent access roads may be used to restrict access to active construction sites for safety purposes. Such measures would be taken in consultation with the relevant stakeholders and appropriate regulating agency.		•		•	•
886	EA Report – Section 4 – Project Description	NextBridge will not construct permanent fences on provincial Crown land unless requested by Crown agencies.		•		•	•
887	EA Report – Section 4 – Project Description	If access controls are required during construction, NextBridge will consider on site (i.e., where construction is taking place) security personnel.		•		•	•
888	EA Report – Section 4 – Project Description	The vehicle movement on Project access roads will follow all posted speed limits and not exceed road and highway maximum height and weight requirements.		•		•	•
889	EA Report – Section 4 – Project Description	Existing Roads: Municipal and provincial roads and highways that provide existing access that are maintained by municipalities or the province and do not require any repairs to support construction access will be used where feasible. These existing roads will be used as either permanent or temporary access roads to limit disturbance resulting from construction of road improvements or new access roads.		•		•	•
890	EA Report – Section 4 – Project Description	Road Improvement/Widening: Existing roads have been assessed to identify whether they could be used for construction and the extent of improvements that may be required. Existing roads will be upgraded to be typically 8-m-wide within a 20 m road ROW, if required.		•		•	•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
891	EA Report – Section 4 – Project Description	New Roads: In some areas, a new road will be required to support construction access. Construction of new access roads will be limited to areas where required and where terrain prevents the use of existing roads or the ROW.		•		•	•
892	EA Report – Section 4 – Project Description	Prior to blasting, NextBridge will review blasting locations and make sure regulatory requirements are being followed with respect to residents, wildlife and fish. Specifically, blast operations shall be carried out in accordance with DFO guidelines and Ontario Provincial Standard Specification 120 “General Specification for the Use of Explosives.”		•		•	•
893	EA Report – Section 4 – Project Description	Use of the ROW: Equipment will use the ROW to build access roads, as identified in the categories above and as depicted on the Access and Construction Environmental Maps (Appendix 5-II). A travel lane along the complete ROW will not be built for the purpose of construction; however, some equipment may travel down the ROW where road access is not available, e.g., for a geotechnical program. The ROW will not be used as a primary access for assembly, erection, stringing or related activities; however, equipment will use the ROW (particularly in proximity to the access roads) during foundation, anchor, and assembly, erection, stringing and related activities.		•		•	•
894	EA Report – Section 4 – Project Description	Temporary access roads that are required only for construction will be reclaimed following construction, unless an exception is made in agreement with the relevant stakeholders (i.e., the landowners).		•		•	•
895	EA Report – Section 4 – Project Description	Where required, gravel used for the temporary access roads will be removed as directed by the regulatory agencies, unless otherwise agreed upon with the relevant stakeholders.		•		•	•
896	EA Report – Section 4 – Project Description	Any gates and fencing for both temporary and permanent access roads will be removed unless otherwise requested and agreed upon by relevant stakeholders (e.g., landowners of private land, or the Crown). Where gates are left in place, they will be maintained in accordance with agreements with the landowner(s).		•		•	•
897	EA Report – Section 4 – Project Description	Operation requires permanent access to the ROW for lighter vehicles to conduct inspections, maintenance, emergency repairs, and vegetation management. A subset of the construction access roads has been identified for permanent access and will be maintained for operation and maintenance of the Project.			•	•	
898	EA Report – Section 4 – Project Description	Use of the ROW: Operations personnel will access the ROW using permanent access roads intersecting the ROW. Once on the ROW, personnel will traverse along the ROW using the appropriate vehicle in compliance with any required permits or authorizations. It is expected that there will be sufficient access on the ROW to traverse using an all-terrain vehicle, Argo, pickup truck or snowmobile, where terrain allows.			•	•	
899	EA Report – Section 4 – Project Description	Personnel may use existing water body crossings where they exist on access roads; however, new permanent crossing structures are not expected to be built for the sole purpose of operations. Therefore, personnel will travel down the ROW until a water body with no crossing structure is encountered, and then turn around and return to the access road used to enter the ROW.			•	•	
900	EA Report – Section 4 – Project Description	If Operations personnel determine that an additional water body crossing will be necessary, this will be discussed with the appropriate regulatory authority and any required permits or authorizations will be obtained prior to proceeding with the work.			•	•	
901	EA Report – Section 4 – Project Description	Where Operations personnel cannot access a structure location using the permanent access roads, helicopters may be used. For example, some patrol during operations will be conducted via helicopter.			•	•	
902	EA Report – Section 4 – Project Description	Where not required by the landowner or Crown agencies, gates will not be installed.			•	•	
903	EA Report – Section 4 – Project Description	Temporary water body crossings will be installed on the temporary access roads, and permanent water body crossings will be installed on the permanent access roads, where required.		•		•	•
904	EA Report – Section 4 – Project Description	Crossing types and construction methods are identified in Appendix 13-II, Tables 13-II-1 and 13-II-2, and will be finalized as part of ongoing Project engineering and design, in consultation with appropriate regulators. These details will be included in the Workfront DPPs.	•	•		•	
905	EA Report – Section 4 – Project Description\ EA Report – Section 19 – Non-Traditional Land and Resource Use	Regulatory approvals will be obtained from the applicable regulatory agencies prior to installation of the temporary or permanent water body crossing structures, as required. Permanent and temporary water body crossings will be constructed and operated to conform with DFO <i>Measures to Avoid Causing Harm to Fish and Fish Habitat Including Aquatic Species at Risk</i> (DFO 2016) and Ministry of Natural Resources and Forestry <i>Environmental Guidelines for Access Roads and Water Crossings</i> (MNR 1990), including the application of sediment and erosion control measures.		•	•	•	
906	EA Report – Section 4 – Project Description	Vegetation clearing will be limited to the extent practicable for water bodies as per industry standard practices and government agency requirements.		•			•
907	EA Report – Section 4 – Project Description	For temporary access roads, crossing materials (i.e., temporary crossing structures) will be removed following completion of the construction phase of the Project.		•			•
908	EA Report – Section 4 – Project Description	Sediment and erosion control measures will be installed prior to commencing removal activities. Upon removal of the crossing materials, the water body banks will be returned to their original profile and disturbed areas will be stabilized, as necessary, to prevent soil erosion and monitored for effectiveness.		•			•
909	EA Report – Section 4 – Project Description	The storage yards will be approximately 400 m by 400 m in size and will be located outside water body slope dependent vegetation buffer (30m -90m) and wet areas .		•		•	•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
910	EA Report – Section 4 – Project Description	Where feasible, existing disturbed areas have been selected for the storage yards. The storage yard sites will be cleared of vegetation, grubbed and levelled where reasonable, and gravelled as needed.		•			•
911	EA Report – Section 4 – Project Description	Vegetation will generally be cleared using mechanical harvesters to remove the merchantable timber and bulldozers to remove the remaining woody vegetation.		•			•
912	EA Report – Section 4 – Project Description	Gravel will only be added where needed for safety and stability. The storage yards may be equipped with perimeter lighting and fencing for safety and security.		•			•
913	EA Report – Section 4 – Project Description	Materials from the storage yards will be transported by truck to laydown yards or to structure locations on the ROW as required.		•			•
914	EA Report – Section 4 – Project Description	The General Contractor (Valard) may choose to transport materials by helicopter to structure locations not accessible by ground vehicles. Existing sites with appropriate land use designations that can accommodate the Project requirements have been identified as priority locations for the storage yards. The appropriate permits and authorizations will be acquired prior to use.	•	•			•
915	EA Report – Section 4 – Project Description	Storage yards will be reclaimed and replanted with conifers to address concerns related to Crown land camping.		•			•
916	EA Report – Section 4 – Project Description	Laydown yards will be established along the preferred route ROW to receive and temporarily store materials and equipment during construction.		•			•
917	EA Report – Section 4 – Project Description	The laydown yards will be cleared of vegetation, grubbed and levelled where reasonable, and gravelled as required.		•			•
918	EA Report – Section 4 – Project Description	Gravel will only be added where needed for safety and stability (refer to Section 4.2.10 [Aggregates] of the amended EA Report).		•			•
919	EA Report – Section 4 – Project Description	Laydown yards will be located at least 30 meters (outside vegetation buffer) from water bodies and situated to avoid or limit potential environmental effects.		•			•
920	EA Report – Section 4 – Project Description	Laydown yards will be reclaimed and replanted with conifers to address concerns raised by stakeholders, for example, in relation to caribou habitat and Crown land camping.		•			•
921	EA Report – Section 4 – Project Description	Camp facilities will comply with the Ontario <i>Occupational Health and Safety Act</i> . Required permits, authorizations, and approvals will be obtained before construction of the camps. Specific camp features and/or layout may vary due to local topography and site conditions.		•		•	•
922	EA Report – Section 4 – Project Description	In accordance with the <i>Ontario Water Resources Act</i> , Permit(s) To Take Water will be obtained or Environmental Activity and Sector Registry will be completed prior to taking and discharging groundwater.		•		•	•
923	EA Report – Section 4 – Project Description	Municipal sewage disposal services will be sourced where available, with the construction camps hooking up to municipal services for sewage disposal. Where municipal systems are not available, septic fields, on-site treatment and trucking off-site would be options. The appropriate approvals (e.g., municipal approvals or ECAs) will be obtained as appropriate).		•		•	•
924	EA Report – Section 4 – Project Description	Grey water will be held and discharged according to required permits and authorizations for construction and operation of grey water treatment.		•		•	•
925	EA Report – Section 4 – Project Description	NextBridge proposes to use on-site waste incinerators for domestic waste at the construction camps. The appropriate approvals including an ECA will be in place prior to the use of any waste incinerators.	•	•		•	
926	EA Report – Section 4 – Project Description	Organic solid waste disposal at the camps will be in compliance with applicable guidelines and regulatory requirements. Organic solid waste may be temporarily stored in bear-proof containers before being transported to an approved waste disposal site.		•		•	•
927	EA Report – Section 4 – Project Description	A recycling program will be implemented at the camps to reduce the amount of solid waste generated as a requirement of the construction contract with the General Contractor (Valard).		•		•	•
928	EA Report – Section 4 – Project Description	Electricity will be supplied to construction camps through the existing power grid where possible, otherwise temporary diesel generators will be used where there are no rural distribution powerlines. The diesel generators will be operated in compliance with applicable regulations and guidelines, including acquiring necessary permits and approvals.		•		•	•
929	EA Report – Section 4 – Project Description	Construction camps will be reclaimed and replanted with conifers to address concerns related to Crown land camping.		•		•	•
930	EA Report – Section 4 – Project Description	The construction easements are not required for operations and will be decommissioned and reclaimed during the construction clean-up stage.		•		•	•
931	EA Report – Section 4 – Project Description	The General Contractor (Valard) will establish temporary construction offices with access to all-weather roads and communications infrastructure.		•			•
932	EA Report – Section 4 – Project Description	The construction offices established in the temporary workspaces will be decommissioned following completion of construction activities. This would include disconnection of services, demobilization of temporary structures, clean-up of debris, site preparation, and seeding/planting consistent with reclamation of the construction camps		•			•
933	EA Report – Section 4 – Project Description	During construction, fuel will be transported by tanker trucks, in drums, or other approved containers. Fuelling areas will be established at laydown yards, storage yards and/or construction camps, with steel aboveground storage tanks featuring secondary containment.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
934	EA Report – Section 4 – Project Description	The aboveground storage tanks will be registered under, and in compliance with, applicable federal and provincial legislation. Aboveground storage tanks will meet the Canadian Council of Ministers of the Environment <i>Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products</i> (CCME 2003).		•		•	•
935	EA Report – Section 4 – Project Description	Transport, storage and handling will meet the Ontario <i>Technical Standards and Safety Act, 2000</i> and Canada's <i>Transportation of Dangerous Goods Act</i> . The transport vehicles will be licensed and maintained according to safety requirements.		•		•	•
936	EA Report – Section 4 – Project Description	Generally, vehicles will be fuelled at the camps; however, if fuelling of vehicles and other mobile equipment is required on the Project footprint, then fuelling will not be permitted within 100 m of a water body.		•			•
937	EA Report – Section 4 – Project Description EA Report – Section 8 – Groundwater	If concrete batch plants are required, the owner/operator of the concrete batch plant will operate the plant in compliance with applicable regulatory requirements (e.g., ECA).		•			•
938	EA Report – Section 4 – Project Description	Construction activities are expected to continue year-round, with some construction activities being staged as practicable to avoid or minimize potential effects on ecologically sensitive areas and life cycle periods, and sensitive receptors. Details regarding construction staging and sequencing will be refined in ongoing discussions with regulators as they confirm the restricted activity periods for certain activities, such as clearing. These details will be included in the Workfront DPPs.		•		•	•
939	EA Report – Section 4 – Project Description	Subject to contractor-employee labour agreements or contractor detailed construction plans, longer shifts may be required. NextBridge will re-evaluate the potential Project-related effects and if required, review mitigation requirements if construction will occur beyond the daytime period. These details will be included in the Workfront DPPs.		•		•	•
940	EA Report – Section 4 – Project Description	Vegetation that is not within the Project footprint will not be cleared, unless there is a risk that it could fall onto the transmission line and interfere with electricity transmission during operation. While not anticipated, such vegetation clearing would be conducted with appropriate approvals on a case-by-case basis.		•		•	•
941	EA Report – Section 4 – Project Description	"Incompatible" vegetation will be cleared in the preferred route ROW.		•			•
942	EA Report – Section 4 – Project Description	Vegetation will generally be cleared using mechanical harvesters to remove the timber.		•			•
943	EA Report – Section 4 – Project Description	Chainsaws may be used for small-scale clearings (e.g., tree removal adjacent to a water body), as required. Small trees and branches will be chipped on site, and the chips may be spread over the preferred route ROW. In some cases, it may be more practicable to burn cleared wood, and the required permits and authorizations will be acquired prior to burning.		•			•
944	EA Report – Section 4 – Project Description	Timber removal will be coordinated with affected timber owners, as applicable, and offered accordingly. Affected timber owners will either be the private property owner, the Crown where timber rights were reserved, or in most cases the Sustainable Forest Licence holder.		•			•
945	EA Report – Section 4 – Project Description	If the timber can be removed from the preferred route ROW and delivered to local mills for processing economically, it will be sold. Slash and debris will be chipped, or will be burned in accordance with provincial <i>Forest Fires Prevention Act</i> and O. Reg. 207/96 <i>Outdoor Fires</i> under this Act.		•			•
946	EA Report – Section 4 – Project Description	Diseased or damaged trees located at the edge of the ROW that may fall onto the overhead line conductors or structures will also be removed. The General Contractor (Valard) will make arrangements to dispose of wood left on site during preferred route ROW clearing.		•			•
947	EA Report – Section 4 – Project Description	Vegetation clearing for access roads will vary based on terrain and soil type, but will include a combination of manual and machine techniques. Manual vegetation clearing may be required in areas with steep slopes and to remove "incompatible" vegetation within vegetation buffers for environmentally sensitive features.		•			•
948	EA Report – Section 4 – Project Description	Construction of the access roads, construction camps, storage yards and laydown yards will be conducted prior to transmission line construction within each workfront, as described in Section 4.2.	•	•			•
949	EA Report – Section 4 – Project Description	Following preferred route ROW clearing and construction of the temporary workspaces, field survey crews will mark (i.e., stake) the specific locations of the structures, foundations, and guy anchors using Global Positioning System (GPS) technology, data from the LiDAR survey, and detailed design. Staked locations will be field verified and shifted if necessary to avoid sensitive features or other obstacles.	•	•			•
950	EA Report – Section 4 – Project Description	Laydown yards will be used to receive and temporarily store materials and equipment during construction. Material will be transported to the transmission line ROW using line trucks and flatbed transport trucks where possible. Off-road track units will be used where trucks cannot drive if possible.		•			•
951	EA Report – Section 4 – Project Description	Construction materials will be distributed from the laydown yards using trucks, or other appropriate equipment as dictated by the terrain or other environmental considerations.		•			•
952	EA Report – Section 4 – Project Description	Prior to blasting, NextBridge will review blasting locations and make sure regulatory requirements are being followed with respect to residents, wildlife and fish. Specifically, blast operations shall be carried out in accordance with DFO guidelines and Ontario Provincial Standard Specification 120 <i>General Specification for the Use of Explosives</i> .	•	•		•	•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
953	EA Report – Section 4 – Project Description	NextBridge will develop a blasting plan for the Project for avoiding and mitigating Serious Harm to Fish and engaging with DFO on the plan, as appropriate. Blasting will be regulated under the <i>Explosives Regulations, 2013</i> , and permits will be obtained for any activities where explosives and blasting are used to create level areas for transmission structures, roads and for foundation excavations.		•		•	•
954	EA Report – Section 4 – Project Description	While every attempt will be made to locate structure foundations out of wetlands, it may be necessary to locate some structures in wet conditions. In this case, an assessment will be completed in advance of disturbance to wetlands to identify impacts and identify whether additional mitigation is required. These assessments will be reported to the MNRF as part of the Workfront DPPs.		•		•	•
955	EA Report – Section 4 – Project Description	The grounding assemblies will be tested individually and as a system and additional grounding may be installed if required to meet NextBridge operational and safety requirements.		•		•	•
956	EA Report – Section 4 – Project Description	Temporary workspaces that are not required for Project operation will be decommissioned and reclaimed following completion of construction. This will include the decommissioning of construction camps, construction offices, temporary access roads and crossing structures, storage and laydown yards, and clean-up and reclamation of the sites.		•			•
957	EA Report – Section 4 – Project Description	The construction camps and offices will be decommissioned upon completion of Project construction. Buildings will be removed.		•			•
958	EA Report – Section 4 – Project Description	Water and sewer systems and in-ground infrastructure will be decommissioned in accordance with applicable regulatory requirements		•			•
959	EA Report – Section 4 – Project Description	Surface infrastructure will be removed from the storage and laydown yards. In-ground infrastructure will be decommissioned in accordance with applicable regulatory requirements		•			•
960	EA Report – Section 4 – Project Description	Temporary construction fencing will be removed, or replaced with permanent fencing or gates where requested based on consultations with relevant stakeholders (e.g., private property owners and Crown agencies) and access control requirements.		•			•
961	EA Report – Section 4 – Project Description EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use	NextBridge will consult with property owners about the placement of permanent fencing and gates as applicable. The location of gates and fencing will be negotiated with the property owner and, where gates are installed, a lock system will be agreed to with the property owner. The other gates and fences will be decommissioned and removed using applicable and appropriate methods and standards. Where not required by the landowner or Crown agencies, gates will not be installed.		•		•	
962	EA Report – Section 4 – Project Description	Water body crossings will be removed and sediment and erosion control measures will be installed prior to their removal. Upon removal of water body crossings, water body banks will be returned to a stable condition.		•			•
963	EA Report – Section 4 – Project Description	Clean-up and reclamation will be conducted after temporary workspaces have been decommissioned		•			•
964	EA Report – Section 4 – Project Description	NextBridge will replant laydown yards, construction camps and storage yards with conifers. Where appropriate, natural recovery will be the preferred method of revegetation; however, re-seeding will be done to re-establish a native cover crop such as ground juniper or other low-growing shrubs to stabilize soils (e.g., mitigate erosion risk), to limit the establishment of fast-growing tree species such as poplar and white birch, to minimize noxious weed risk, or where specifically required by the regulator. Seeding is anticipated to occur using spreaders.		•		•	•
965	EA Report – Section 4 – Project Description	Mitigation measures for site clean-up and reclamation are provided in Section 5.8 of the CEPP (refer to Appendix 4-II) and a draft Decommissioning Plan has been provided in Section 6.8 of the CEPP (refer to Appendix 4-II). These details will be included in the Workfront DPPs.		•			•
966	EA Report – Section 4 – Project Description	Waste disposal/recycling, including hazardous and excavated materials, will comply with applicable regulations and disposed of at authorized facilities.		•			•
967	EA Report – Section 4 – Project Description EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 13 – Fish and Fish Habitat	Post-construction environmental monitoring will be conducted after the completion of the construction activities and continue into the operation and maintenance phase and will include such activities as examining and documenting the success of reclamation measures. Indigenous participation will be discussed with communities.		•			•
968	EA Report – Section 4 – Project Description	45 days prior to construction, a detailed spill prevention and response plan will be developed to prevent spills and describe contamination during construction.	•				•
969	EA Report – Section 4 – Project Description	Blasting will be carried out in accordance with DFO <i>Guidelines on the Use of Explosives in or near Canadian Fisheries Waters</i> (DFO 1998).		•		•	•
970	EA Report – Section 4 – Project Description	Waste will be appropriately stored, transported, and disposed of according to applicable provincial and federal laws and regulations		•			•
971	EA Report – Section 4 – Project Description	Maintenance activities will include regular inspection of the transmission line and associated infrastructure, and vegetation management in the transmission line ROW. Operation and maintenance activities will be conducted in accordance with permits and regulations. Measures set out in the OEMP will be implemented as appropriate (refer to Appendix 4-III).			•	•	
972	EA Report – Section 4 – Project Description	The Project will operate on a continuous basis and will be maintained by NextBridge.			•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
973	EA Report – Section 4 – Project Description	The transmission line will be inspected on a semi-annual to annual basis. The inspection will primarily be completed by air. The transmission line will be inspected for signs of physical damage (e.g., broken or missing insulators), loose or eroded parts (e.g., bolts), and condition of the conductors (e.g., frayed or areas of reduced clearance). Minor adjustments such as bolt tightening may be done during the inspections.			•	•	
974	EA Report – Section 4 – Project Description	Use of the ROW: Where needed, ground access will be conducted with one pick-up truck or all-terrain vehicle using the ROW and permanent access roads. Ground access patrols will likely be conducted by a single person. Personnel will drive on the ROW where terrain permits; however, a dedicated road that follows a direct path from structure to structure in the ROW will not be built, used or maintained during operations.			•	•	
975	EA Report – Section 4 – Project Description	Vegetation Management: Vegetation management surveys will also be completed by ground (e.g., by all-terrain vehicles) or air. The preferred route ROW will be patrolled once each year to identify vegetation that could pose a risk to the line. Annual patrols will be conducted on that vegetation. Any vegetation that could grow into or fall into the line are identified and removed before they could cause a potential power outage. Refer to Section 4.3.2.5 of the amended EA Report for details about vegetation management.			•	•	
976	EA Report – Section 4 – Project Description	Specially trained and equipped linemen or subcontractors will undertake the repairs NextBridge will attempt to fix identified issues during maintenance inspections, but return trips may be required by specially trained and equipped linemen personnel to undertake the repairs.			•	•	
977	EA Report – Section 4 – Project Description	Emergency repairs may be required in the event of bad weather or power outages. Emergency repairs will be carried out in the most time sensitive manner. Spare parts and poles will be stored in a storage yard or warehouse in proximity to the transmission line in case emergency repairs are required. The quantity of this material and storage location will be determined by NextBridge.			•	•	
978	EA Report – Section 4 – Project Description	NextBridge anticipates the permanent access roads and preferred route ROW will be sufficient access to maintain and operate the Project. If there is a maintenance or emergency response activity that requires additional access or additional permitting requirements NextBridge will identify these requirements and consult with the appropriate regulatory authorities, as required.			•	•	
979	EA Report – Section 4 – Project Description	Access roads will be required during the operation of the Project and used to access the Project area for maintenance purposes, to complete inspections, and for emergency purposes. Unless otherwise maintained by the province or the municipality, these roads will be maintained by NextBridge in accordance with any long-term road maintenance agreements in place with relevant landowners. Maintenance associated with these roads will include regular inspections (annually), vegetation maintenance, and repairing areas affected by erosion.			•	•	
980	EA Report – Section 4 – Project Description	Visual ground and aerial patrols will be completed to identify areas that require vegetation management, and the schedule will be based on growth cycles, system security, public health/safety, protecting the environment, and maintenance associated with the existing Hydro One transmission line. Based on the results, spot treatment via ground crews may occur.			•	•	
981	EA Report – Section 4 – Project Description	A response plan will be developed to allow for isolation of components in response to system events (e.g., lightning strike).			•	•	
982	EA Report – Section 4 – Project Description EA Report – Section 18 – Socio-Economics	NextBridge will identify potential safety, health, and environmental concerns related to the Project phases. Prevention measures and response procedures will be described in a Spill Prevention and Response Contingency Plan that is included in the CEPP (refer to Section 23 and Appendix 4-II). Project personnel will receive applicable training in health and safety and emergency response.			•	•	
983	EA Report – Section 4 – Project Description	The following stakeholders will be consulted during the design of the transmission line: NAV CANADA as the authority responsible for air navigation and Transport Canada as the regulatory authority. Applicable standards will be followed The following forms shall be completed prior to construction: ■ NAV CANADA Land Use Proposal Submission Form; and ■ Transport Canada Obstruction Clearance Form			•	•	
984	EA Report – Section 4 – Project Description	The transmission line will be designed, constructed, and maintained in accordance with the <i>Occupational Health and Safety Act</i> and other relevant regulations that establish clearances from other man-made and natural structures as well as tree-trimming requirements to reduce/avoid fire hazards. NextBridge will maintain the preferred route ROW and immediate area in accordance with existing regulations and accepted industry practices that will include identification and abatement of fire hazards.			•	•	
985	EA Report – Section 4 – Project Description	The General Contractor (Valard) will also be required to have a Health and Safety Plan in place.		•			•
986	EA Report – Section 4 – Project Description	Work opportunities will be provided to qualified Indigenous persons.		•			•
987	EA Report – Section 4 – Project Description	Staffing for the Project will be the responsibility of the General Contractor (Valard).	•	•			•
988	EA Report – Section 4 – Project Description	Approximately two full-time employees will be required to oversee routine operations and maintenance of the Project. Specialized services will also be required in the event repairs are needed.	•	•			•
989	EA Report – Section 6 – Geology, Terrain and Soils EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands	Soil quality issues such as compaction, rutting and admixing will be visually assessed throughout the Project footprint during construction.		•			•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
990	EA Report – Section 6 – Geology, Terrain and Soils	Design new bridges to extend beyond the channel width to avoid erosion and damage to banks. Do not place fill within primary banks for bridge abutment construction, unless approved by the appropriate regulatory agencies (refer to Appendix 4 II, Figures B 7 and B 8). Bridge abutments with wings may require hauling in of fill material and placing geotextile fabric between the fill material and the surface layer.		•		•	•
991	EA Report – Section 7 – Surface Water	Monitoring of TSS and/or turbidity (instrumented measurements and/or visual observations), and monitoring of streamflow rates and/or water levels at all water body crossings during construction, as well as immediately before construction (to capture baseline water quality conditions at locations downstream of the planned works) and immediately following construction (to confirm that water quality conditions have stabilized).		•			•
992	EA Report – Section 7 – Surface Water	Monitoring of TSS and/or turbidity (instrumented measurements and/or visual observations), and streamflow rates and/or water levels will be carried out on a twice annual basis at new and permanent water body crossings during the early stages of the operation phase until pre-existing conditions are reached (to verify the effectiveness of reclamation measures). To the extent possible, the monitoring will be carried out during a period of high flows (e.g., spring) and low flows (e.g., mid- to late summer) in an effort to assess water quality conditions under a wide range of flow conditions. The monitoring program may be discontinued thereafter if conditions are observed to align with pre-construction conditions.		•			•
993	EA Report – Section 7 – Surface Water	Potable water for most construction camps will be obtained from municipal supplies where available for use. Groundwater wells will not be drilled unless municipal supplies are not available for use.		•			•
994	EA Report – Section 7 – Surface Water	Construction offices will be typically established within construction camps; however supporting office may be leased or rented in communities with existing water supplies, where practicable.		•			•
995	EA Report – Section 7 – Surface Water	No permanent sewage works will be developed for the construction camps. Sewage disposal will be achieved through hook up to municipal systems, septic fields, on site treatment or trucking off-site. Grey water will be held and discharged according to required permits and authorizations for construction and operation of grey water treatment.		•			•
996	EA Report – Section 7 – Surface Water	Construction offices will typically be established at construction camps. Potable water for most construction camps will be obtained from municipal sources where available, or from groundwater wells where municipal supplies are not available for use.		•			•
997	EA Report – Section 7 – Surface Water EA Report – Section 8 – Groundwater EA Report – Section 15 – Archaeological Resources EA Report – Section 16 – Cultural Heritage Resources EA Report – Section 19 – Non-Traditional Land and Resource Use	Temporary access roads will be decommissioned in accordance with regulatory approvals and will follow MNRF's <i>Environmental Guidelines for Access Roads and Water Crossings</i> (refer to Appendix 4-II, Appendix H2; MNR 1990).		•			•
998	EA Report – Section 8 – Groundwater EA Report – Section 12 – Vegetation and Wetlands	Use equipment that minimizes surface disturbance when brushing non-merchantable timber in areas where grading is not warranted.		•		•	
999	EA Report – Section 8 – Groundwater	Terrain distribution on the Project footprint will be monitored for changes to surface and ground water flows and slope instability during the construction and reclamation phases of the Project		•			•
1000	EA Report – Section 8 – Groundwater	Upon completion of the Project, camp wells that are no longer in use will be decommissioned in accordance with Wells Regulation (O. Reg. 903).		•			•
1001	EA Report – Section 8 – Groundwater	Well water will be tested before being used at construction camps.					
1002	EA Report – Section 11 – Acoustic Environment	The electrical transmission line will be designed to minimize noise associated with corona discharge.	•				•
1003	EA Report – Section 13 – Fish and Fish Habitat	Operate equipment on land or on ice and in a manner that minimizes disturbance to the banks of the water body.		•		•	•
1004	EA Report – Section 16 – Cultural Heritage Resources	Avoid the Angler Internment Camp: <ul style="list-style-type: none"> ▪ Prohibit use of the ATV trail west of the existing Hydro One transmission corridor as a temporary access road 		•	•		•
1005	EA Report – Section 16 – Cultural Heritage Resources	Angler Internment Camp: If this section of trail must be used as an access road, the following actions should be prohibited; <ul style="list-style-type: none"> ▪ Improvements beyond basic re-surfacing; ▪ Excavation; and ▪ Removing existing access road infrastructure. If cultural material such as artifacts are found while making improvements to the trail or during use of the temporary access route, implement the Project Discovery of Heritage or Archaeological Resources Contingency Plan		•	•		•
1006	EA Report – Section 16 – Cultural Heritage Resources	Site plan control and communication: <ul style="list-style-type: none"> ▪ The Angler Internment Camp site should be clearly marked on project mapping and communicated to all project personnel for avoidance during construction phases of the Project. 		•	•		•

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
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1007	EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 20 – Visual Environment	Site preferred route ROW to take advantage of existing screening offered by topography and/or vegetation		•		•	•
1008	EA Report – Section 17 – Indigenous Current Use of Lands and Resources for Traditional Purposes EA Report – Section 19 – Non-Traditional Land and Resource Use EA Report – Section 20 – Visual Environment	Consider adjusting locations of transmission structures along the preferred route ROW to reduce effects to visual quality and reduce effects to visual quality and environmentally sensitive features (e.g., wetlands, SWH), where possible		•		•	•
1009	EA Report – Section 18 – Socio-Economics	Implementation of service agreements that pay market rates for publicly-funded services		•	•	•	
1010	EA Report – Section 18 – Socio-Economics	Support local hiring and procurement where feasible to minimize size of workforce hired from outside the criterion-specific LSAs		•		•	
1011	EA Report – Section 18 – Socio-Economics	NextBridge will communicate employment requirements to Indigenous communities in the temporary accommodation LSA to avoid over-estimation of employment volume, and potential associated speculative in-migration to Indigenous communities		•		•	
1012	EA Report – Section 18 – Socio-Economics	The majority of temporary workers hired from out of the criterion-specific LSAs will be housed in construction camps		•			•
1013	EA Report – Section 18 – Socio-Economics	Provide first aid stations at construction camps and job sites.		•			•
1014	EA Report – Section 18 – Socio-Economics	Train employees in standard first aid.		•			•
1015	EA Report – Section 18 – Socio-Economics	Maintain at least one licensed emergency medical technician on site with a fully equipped response vehicle that will respond to and handle all medical incidents.		•			•
1016	EA Report – Section 18 – Socio-Economics	Maintain a zero-tolerance policy towards workers being under the influence of drugs or alcohol while working, or while travelling to and from work.		•			•
1017	EA Report – Section 18 – Socio-Economics	Maintain drug-free construction camps and worksites.		•			•
1018	EA Report – Section 18 – Socio-Economics	Hold workers to both a Worker Code of Conduct and a Health and Safety Management Plan.		•			•
1019	EA Report – Section 18 – Socio-Economics	Project construction and operation activities will be undertaken with appropriate safety measures in place		•	•	•	•
1020	EA Report – Section 18 – Socio-Economics	Contractors will be required to comply with the <i>Ontario Occupational Health and Safety Act, 1990</i> and other legislated safety requirements. The General Contractor (Valard) will also be required to have a HASP in place		•			•
1021	EA Report – Section 18 – Socio-Economics	During Project training and orientation, the requirement for respectful use of community facilities and the need for respectful behavior will be stressed		•			•
1022	EA Report – Section 18 – Socio-Economics	Obtain permits for all road signage within 400 m of any limit of a provincial highway per the <i>Public Transportation and Highway Improvement Act, 1990</i> .		•		•	
1023	EA Report – Section 18 – Socio-Economics	Obtain oversize/overweight permits for the transportation of overweight vehicles and loads on provincial highways under the <i>Highway Traffic Act</i> .		•		•	
1024	EA Report – Section 18 – Socio-Economics	Vehicle use on roads will be in accordance with applicable laws (e.g., speed limit, road weight restriction), and road use agreements (e.g., load restrictions).	•	•	•	•	•
1025	EA Report – Section 18 – Socio-Economics	Workers will be required to adhere to an Employee and Contractor Code of Conduct that outlines appropriate behavior at the worksite, construction camps, in community well-being LSA communities, and while travelling to and from work rotations		•	•	•	•
1026	EA Report – Section 19 – Non-Traditional Land and Resource Use	Adhere to required federal, provincial and municipal provisions/conditions for land use policy, designation and by law compatibility (i.e., associated with federal patent lands (external), First Nations reserve lands, the Provincial Policy Statement (PPS), Crown Use Policy Atlas (CLUPA) Crown Use Atlas Harmonization), CLUAH Management Guidelines, D-1 and D-6 Environmental Land Use Planning Guides, municipal official plans).	•	•		•	•
1027	EA Report – Section 19 – Non-Traditional Land and Resource Use	Mitigation measures and buffers will seek to be consistent with D-1 Land Use and Compatibility (Government of Ontario 1995a), D-6 Compatibility between Industrial Facilities (Government of Ontario 1995b) to the extent feasible.		•		•	•
1028	EA Report – Section 19 – Non-Traditional Land and Resource Use	Negotiate with the affected outdoor tourism operators to develop appropriate strategies to facilitate continued, uninterrupted use and access to outdoor tourism and recreation resources, to the extent feasible.		•		•	

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1029	Appendix 1-V-A-1a – MECP Comments on the Amended EA Report (EAPB) Appendix 1-V-A-2 – MNRF Comments on the Amended EA Report	NextBridge commits to providing a DPP for each construction workfront and each provincial park and conservation reserve where construction will occur. Per the tables of contents agreed upon with the MECP and MNRF, the DPPs will include, but not be limited to, the following information: <ul style="list-style-type: none"> the pre-construction field reconnaissance approach; detailed construction schedule and design information; approaches to protecting environmental values; training and employment opportunities for Indigenous communities; and Traditional Ecological Knowledge (TEK)/Traditional Land and Resource Use (TLRU) protocol. The DPPs will be submitted to the MECP and MNRF for review prior to the submission of MNRF permit applications.	•			•	
1030	Appendix 1-V-A-1b – MECP Comments on the Amended EA Report (Indigenous Consultation) Appendix 1-V-B-1 – MNO Comments on the Amended EA Report Appendix 1-V-B-4a – SVS Comments on the Amended EA Report Appendix 1-V-B-4d – BZA Comments on the Amended EA Report Appendix 1-V-B-5 – Pic Moberg Comments on the Amended EA Report Michipicoten First Nation Consultation Issues and Concerns SVS Consultation Issues and Concerns	NextBridge has committed to providing interested Indigenous (First Nation and Métis) communities the opportunity to conduct Project update and permitting workshops. Permitting Workshops are intended to get feedback on the permitting process prior to submission of permit applications, and will involve: <ul style="list-style-type: none"> Indigenous communities will be encouraged to identify areas of concern or specific locations of areas of importance; NextBridge will seek input from Indigenous communities on mitigation measures to address identified areas of concern; opportunity for revision of the maps of access roads, crossing locations, crossing types and methods; opportunity for revision of the draft framework for the vegetation management plan; discussion on the Environmental Emergency Response Plan that will be shared with Indigenous communities once drafted. Permit applications will be finalized after the permitting workshops. 	•			•	
1031	Appendix 1-V-A-1b – MECP Comments on the Amended EA Report (Indigenous Consultation) Appendix 1-V-B-1 – MNO Comments on the Amended EA Report Michipicoten First Nation Consultation Issues and Concerns SVS Consultation Issues and Concerns	NextBridge has an Aboriginal training and employment program and is committed to working with all interested Indigenous communities through existing relationship frameworks to determine interest in and opportunities to participate in environmental monitoring and environmental inspection work prior to, during and post-construction (decommissioning and operations). NextBridge is also committed to providing MNO with a draft Participation Plan.	•	•		•	
1032	Appendix 1-V-A-1d – MECP Comments on the Amended EA Report (Northern Region) Appendix 1-V-B-4a – SVS Comments on the Amended EA Report Appendix 1-V-B-4d – BZA Comments on the Amended EA Report	NextBridge provides the MECP with a monthly Indigenous Consultation Update. The monthly update includes a discussion of consultation and engagement activities by Indigenous community and an update on the status of TEK and TLU reports. NextBridge is committed to providing these monthly updates on an ongoing basis until approval of the environmental assessment.	•			•	
1033	Appendix 1-V-A-1e – MECP Comments on the Amended EA Report (Surface Water) Appendix 1-V-A-2 – MNRF Comments on the Amended EA Report Appendix 1-V-A-3 – DFO Comments on the Amended EA Report Michipicoten First Nation Consultation Issues and Concerns	NextBridge is planning a substantial field program starting in Q2 2018 to survey fish and fish habitat and to collect hydrologic data to inform the design of crossing structures and to support the necessary permits and approvals for the Project. This data will be provided to the MECP and MNRF and included in the applicable DPPs and permit applications.	•			•	
1034	Appendix 1-V-A-2 – MNRF Comments on the Amended EA Report	NextBridge will undertake field studies at points along the Loon Lake/Dorion greenfield route in spring and summer of 2018. These studies will include the field investigations as contemplated for 2017 (i.e., for species at risk bats) and for waterbody crossings. The results of these field studies will be submitted to the MECP and MNRF in the applicable DPPs prior to the submission of relevant final permit applications.	•			•	
1035	Appendix 1-V-A-2 – MNRF Comments on the Amended EA Report	NextBridge will undertake a pre-construction site reconnaissance to ground-truth the Project footprint and structure placement, and identify which wetlands have the potential to be avoided during the detailed design phase, and which wetlands cannot be avoided during the detailed design phase. An assessment will be completed in advance of disturbance to wetlands to identify impacts and identify whether additional mitigation is required. This information will be submitted to the MECP and MNRF in the applicable DPPs.	•			•	
1036	Appendix 1-V-A-2 – MNRF Comments on the Amended EA Report	NextBridge commits to prepare the following documents updated against detailed design, results of field surveys and approval conditions from permits to the applicable regulators 30 days prior to construction: <ul style="list-style-type: none"> Construction Environmental Protection Plan (CEPP); Operation Environmental Management Plan (OEMP); Transmission Vegetation Management Program; and Decommissioning Plan for Temporary Project Infrastructure. 	•			•	
1037	Appendix 1-V-A-2 – MNRF Comments on the Amended EA Report	A Timber Salvage Plan will be prepared and submitted to regulators at least 30 days prior to construction.	•			•	
1038	Appendix 1-V-A-2 – MNRF Comments on the Amended EA Report Appendix 1-V-C-1 – RCCSC Comments on the Amended EA Report	NextBridge commits to install the structure at this location (the Kama Cliffs Conservation Reserve) via helicopter and to remove the access road overlapping the Mazukama Falls area from the Project footprint.		•		•	•

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1039	Appendix 1-V-A-3 – DFO Comments on the Amended EA Report	NextBridge commits to continue early and frequent consultation with DFO as detailed designs proceed to ensure that: <ul style="list-style-type: none"> the site-specific blasting plan is adequately designed to avoid or minimize causing serious harm to fish for blasting operations located in or near-water; proposed temporary workspaces are not likely to result in serious harm to fish; and proposed culverts are adequately sized to not impede fish migration between upstream and downstream habitats. 	•			•	
1040	Appendix 1-V-A-3 – DFO Comments on the Amended EA Report	NextBridge commits to continue early and frequent consultation with DFO and the MNRF to identify the new/improvement access road equipment water body crossings within species-at-risk critical habitat.	•			•	
1041	Appendix 1-V-A-4 – ISC Comments on the Amended EA Report Appendix 1-V-B-4a – SVS Comments on the Amended EA Report	NextBridge commits to abide by the 30 to 90 metre (m) slope dependent buffer method listed in the MNRF's <i>Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales</i> (MNR 2010a) in order to protect adjacent water bodies.		•		•	•
1042	Appendix 1-V-B-1 – MNO Comments on the Amended EA Report	Should additional TWS be required that will trigger a duty to consult. Specifically, NextBridge will ensure that MNO is notified of changes to the Project footprint and will be consulting with the regulators such as the MNRF regarding use of lands as part of the Crown land permitting and other permitting processes.	•			•	
1043	Appendix 1-V-B-1 – MNO Comments on the Amended EA Report Appendix 1-V-B-4a – SVS Comments on the Amended EA Report Michipicoten First Nation Consultation Issues and Concerns	NextBridge commits to develop a detailed Vegetation Management Plan that outlines the types and uses of herbicides, and protocols to control invasive species. NextBridge is committed to providing a draft framework for this plan to Indigenous communities for consultation and incorporating feedback before finalization of the plan. The Vegetation Management Plan will be distributed to communities, and updates to the Vegetation Management Plan will be provided in writing to interested communities.	•			•	
1044	Appendix 1-V-B-1 – MNO Comments on the Amended EA Report	NextBridge commits to working with the MNO on an Access Management Agreement.	•			•	
1045	Appendix 1-V-B-3 – RSMIN Comments on the Amended EA Report	NextBridge committed to a meeting between RSMIN and NextBridge's licensed archaeology consultant. This meeting took place June 4, 2018. The purpose of the meeting was for RSMIN to identify sites of concern directly to the consultant. NextBridge is committed to sharing the results of the finalized Stage 2 reports after they have been accepted by MTCS.	•			•	
1046	Appendix 1-V-B-3 – RSMIN Comments on the Amended EA Report	NextBridge is committed to ensuring a clear and respectful relationship with RSMIN including that Aboriginal rights are respected and NextBridge's regulatory obligations are upheld. NextBridge is committed to ensuring that RSMIN is fully informed about procurement and training opportunities and NextBridge views procurement and training opportunities as potential economic benefits from the Project but they are separate from the Duty to Consult obligations. NextBridge is committed to facilitating discussions between RSMIN and SuperCom to ensure that RSMIN is informed about procurement and training procedures.	•			•	
1047	Appendix 1-V-B-4a – SVS Comments on the Amended EA Report Michipicoten First Nation Consultation Issues and Concerns	NextBridge has committed to focusing potential herbicide application during a 2-month window in the fall in order to avoid or mitigation potential impacts. See Vegetation Management Plan commitments above.			•	•	
1048	Appendix 1-V-B-5 – Pic Moberg Comments on the Amended EA Report	NextBridge will consider Pic Moberg's feedback when surveying the location of the temporary construction easement crossing the tributary to Doss Lake. If crossing the tributary cannot be avoided, NextBridge will implement appropriate mitigation measures, including to not encroach into the 30 m buffer where feasible and to comply with approval conditions for the temporary construction easement. NextBridge also commits that no equipment will ford or be placed in the tributary.		•		•	•
1049	Appendix 1-V-C-1 – RCCSC Comments on the Amended EA Report	NextBridge commits that the permanent access road to transmission structures B088 and B089 will be a temporary access road for use during construction. NextBridge will access these structures on foot from the Trans-Canada Highway to the west or from B090 and Maatas Road to the east during the operation phase for routine maintenance. As previously indicated, NextBridge commits to consult on how to decommission the roads.	•	•	•	•	•
1050	Appendix 1-V-C-1 – RCCSC Comments on the Amended EA Report	NextBridge commits that the height of transmission structures B088 and B089 will be raised to span over the canopy and to limit the clearing. This change can be reviewed with RCCSC during a future consultation meeting.	•			•	
1051	Appendix 1-V-A-5 – MNRF Comments on the Amended EA Report	Temporary access roads will be decommissioned in consultation with the MNRF and in accordance to the MNRF's <i>Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales</i> (OMNR 2010).		•			•
1052	Appendix 1-V-A-5 – MNRF Comments on the Amended EA Report	Where there are no reasonable alternatives to avoid the CLVA in Gravel River Conservation Reserve, NextBridge will use low-pressure tread equipment and rig mats, and other mitigation measures agreed upon with the MNRF		•			•
1053	Appendix 1-V-A-6 – MNRF Comments on the Amended EA Report	An overlapping agreement will be in place with the SFL holder in advance of harvest	•			•	•
1054	SVS Consultation Issues and Concerns	NextBridge continues to be committed to establishing an Aboriginal Community Advisory Board (ACAB) for interested Aboriginal communities. The Terms of Reference (TOR), which has been circulated to all communities as well as the MECP and the Ontario Energy Board, identifies, the mandate, roles and responsibilities, geographic scope, principles and values, expenses and dissemination of information and reports. NextBridge is committed to re-circulating the revised Terms of Reference, which will explicitly outline the decision-making and oversight role of ACAB representatives, specify that environmental reports from regulatory needs will be provided to ACAB members in the Fall of 2018, and requesting feedback and comments.		•	•	•	
1055	SVS Consultation Issues and Concerns	NextBridge is committed to discussing environmental initiatives such as exploration of potential partnerships (conservancy, GHG reduction, etc.), water protection initiatives and support opportunities for locally-based environmental improvements in operating communities) with interested Indigenous communities for the EWT Line Project			•	•	

**APPENDIX 23-I
COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT**

Table 23-I-1: East-West Tie Transmission Project Environmental Commitments List

Commitment Number	Commitment Reference	Commitment	Timeframe			Responsible	
			Prior to Construction	Construction	Operation	Owner	Contractor
1056	SVS Consultation Issues and Concerns	NextBridge commits to using the ACAB as a vehicle to work closely with each community to identify post-construction relationship issues such as: environmental monitoring, data collection and analysis opportunities.		•	•	•	
1057	SVS Consultation Issues and Concerns	NextBridge will discuss the need for proper planning and early and meaningful communication regarding environmental monitors' schedules.	•			•	•
1058	SVS Consultation Issues and Concerns	NextBridge commits to ensuring all 18 identified First Nation and Métis communities have capacity resources to undertake tasks and engagement for the Project. The ACAB is the proposed vehicle to identify long-term tasks and activities communities wish to undertake. Development and undertaking of community-identified projects during operations will be supported by the ACAB including capacity resources.	•	•	•	•	
1059	SVS Consultation Issues and Concerns	The identification of merchantable timber and the processing and disposal of that resource is governed by Ontario regulations. NextBridge is committed to ensuring that it meets applicable regulations and consults with potentially impacted First Nation and Métis communities regarding these activities, while identifying that discussions about rights to harvest firewood should be addressed to the MNRF.	•	•		•	
1060	SVS Consultation Issues and Concerns	As part of the proposed construction-phase, First Nation and Métis monitoring program, NextBridge will discuss with those interested in participating the opportunity to specifically address moose sightings and recording. In addition, through the proposed ACAB, NextBridge is committed to ensuring long-term tasks and activities are identified and environmental reporting is discussed and distributed to ensure communities are aware of the ongoing impacts of the Project on wildlife and habitat.	•	•		•	
1061	RSMIN Consultation Issues and Concerns	NextBridge is committed to working with RSMIN during the permitting phase to develop a capacity funding agreement (CFA) that includes updating GIS Analysis of the Project; updating archeological mapping analysis; capacity for RSMIN to conduct internal information gathering; capacity to engage with NextBridge via in-person meetings, teleconferences and other correspondences; and reasonable technical and administrative costs. NextBridge is committed to incorporating permit phase advice and feedback from RSMIN into the Environmental Protection Plan and relevant Environmental Alignment Sheets. NextBridge is committed to working with RSMIN to ensure any outstanding costs and expenses related to their engagement to date on the Environmental Assessment phase of the Project are reimbursed based on submission of invoices.	•			•	

ACAB = Aboriginal Consultation Advisory Board; ANSI = area of natural or scientific interest; AZA = Animiigoo Zaagi'igan Anishinaabek First Nation; BFN = Ojibways of Batchewana; BHA = bait harvest areas; BNA = Bingwi Neyaashi Anishinaabek; BMA = bait management area; BZA = Biinjitiwaabik Zaaging Anishinaabek First Nation; CAC = common air contaminants; CAS = Canadian Standards Association; CEPP = Construction Environmental Protection Plan; CLUPA = Crown use policy atlas; CLVA = critical landform/value association; DPP = Detailed Project Plan; DFO = Fisheries and Oceans Canada; e.g., = for example; EA = Environmental Assessment; EASR = Environmental Activity and Sector Registry; ECA = Environmental Compliance Approval; FMP = Forest Management Plan; FRL = Forest Resource Licence; FRT = Forest Renewal Trust; FWFN = Fort William First Nation; GFN = Ginoogaming First Nation; GRFN = Ojibways of Garden River; i.e., = that is; km = kilometre; LL58FN = Long Lake No.58 First Nation; LRCA = Lakehead Regional Conservation Authority; LUP = Land Use Permit; m – metre; MCFN = Missanabie Cree First Nation; MECP = Ministry of Environment, Conservation and Parks; MFN = Michipicoten First Nation; MNDM = Ministry of Northern Development and Mines; MNO = Métis Nation of Ontario; MNR = Ministry of Natural Resources; MNRF = Ministry of Natural Resources and Forestry; MTCS = Ministry of Tourism, Culture and Sport; MTO = Ministry of Transportation; NTU = nephelometric turbidity units; O. Reg = Ontario Regulation; OEMP = Operation Environmental Management Plan; PMFN = Pic Moberg First Nation; PPFN = Pays Plat First Nation; PPS = Provincial Policy Statement; PSW = Provincially Significant Wetlands; PTTW = Permit To Take Water; ROW = right-of-way; RSO = Revised Statutes of Ontario; RRIB = Red Rock Indian Band; RSMIN = Red Sky Métis Independent Nation; S2 = provincially imperilled; SCADA = Supervisory Control and Data Acquisition; SFL = Sustainable Forest Licence; TEK = Traditional Ecological Knowledge; TLRU = Traditional Land and Resource Use; TSS = Total suspended solids; TVMP – Transmission Vegetation Management Program; ULC = Unit Load container.

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APPENDIX 23-I COMMITMENTS IN THE AMENDED ENVIRONMENTAL ASSESSMENT REPORT

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