

Manitoba-Minnesota Transmission Project (MMTP) Commitment Tracking Table (submitted to the Canada Energy Regulator)

Version 18

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Updated items noted in bold

Source

Where the source indicates a Chapter, this refers to the Environmental Impact Statement (EIS) for the Project.

Phase the Commitment will be Completed

Pre-construction - To be completed prior to construction
 Construction - To be completed during construction
 Operations & Maintenance - To be completed after operations have commenced
 On-going or All Phases - Commitment applies to all phases of the project
 No Longer Applicable - Change in project design or execution

Commitment Status

Scoping - Work has not commenced
 In progress - Work has commenced or is partially complete
 On-going - Work continues
 Complete - Commitment has been met
 Monitoring - if encountered commitment will be executed
 No Longer Applicable - Change in project design or execution

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
1	NEB Ex. A81182-11	Environmental Socioeconomic Setting	Soil contamination that is encountered during construction will be managed in accordance with the Environmental Protection Program (EPP).	Construction Team	Construction	Complete	
2	NEB Ex. A81182-14	Fish and Fish Habitat	Aggregate materials will not be removed from the bed or bank of any watercourse or waterway.	Construction Team	Construction	Complete	
3	NEB Ex. A81182-14	Fish and Fish Habitat	Construction activities surrounding spawning areas in watercourses will take place within Reduced Risk Timing Windows.	Construction Team	Construction	Complete	
4	NEB Ex. A81182-14	Fish and Fish Habitat	Construction vehicles, machinery and heavy equipment will not be permitted in designated machine-free zones, except at designated crossing locations.	Construction Team	Construction	Complete	
5	NEB Ex. A81182-14	Fish and Fish Habitat	Disturbance to the bed and banks of the watercourses will be limited to the extent possible.	Construction Team	Construction	Complete	
6	NEB Ex. A81182-14	Fish and Fish Habitat	Disturbances to waterbodies, shorelines and riparian areas will be rehabilitated immediately upon completion of construction activities.	Construction Team	Construction	Complete	
7	NEB Ex. A81182-14	Fish and Fish Habitat	Disturbed riparian areas will be revegetated following completion of works.	Construction Team	Construction	Complete	

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8	NEB Ex. A81182-14	Fish and Fish Habitat	Drill holes will be sealed as soon as possible in the case of a groundwater level rise.	Construction Team	Construction	Complete	
9	NEB Ex. A81182-14	Fish and Fish Habitat	Erosion protection and sediment control measures will be put in place at all Project locations where surface drainage is likely to flow into fish-bearing waters.	Construction Team	Construction	Complete	
10	NEB Ex. A81182-14	Fish and Fish Habitat	Grading of the watercourse banks for approaches should not occur.	Construction Team	Construction	Complete	
11	NEB Ex. A81182-14	Fish and Fish Habitat	Buffers and sensitive areas (where applicable) will be clearly marked with stakes or flagging tape prior to clearing.	Construction Team	Construction	Complete	
12	NEB Ex. A81182-14	Fish and Fish Habitat	Shrub and herbaceous understory vegetation along with tree root systems will be retained to the greatest extent possible in order to enhance bank stability.	Construction Team	Construction	Complete	
13	NEB Ex. A81182-14	Fish and Fish Habitat	Where riparian areas must be crossed, the work will be carried out under frozen conditions. Riparian buffers will be a minimum of 30 m and increase in size based on slope of land entering waterway. Within these buffers, shrub and herbaceous understory vegetation will be maintained along with trees that do not violate Manitoba Hydro Vegetation Clearance Requirements.	Construction Team	Construction	Complete	
14	NEB Ex. A81182-14	Fish and Fish Habitat	Where possible, transmission line approaches and crossings will be perpendicular to the watercourse and will avoid unstable features such as meander bends, braided watercourses and active floodplains.	Construction Team	Construction	Complete	
15	NEB Ex. A81182-14	Fish and Fish Habitat	Within 30 m of watercourse crossings, removal of riparian vegetation in the right-of-way (ROW) will be limited to select plants required to accommodate overhead lines, and uprooting of plants will be limited.	Construction Team	Construction	Complete	
16	NEB Ex. A81182-14	Fish and Fish Habitat	Wherever possible, existing trails, roads and cut lines will be used as access routes.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
17	NEB Ex. A81182-14	Fish and Fish Habitat	All waste materials (slash) will be stabilized above the high water mark (HWM) to prevent entry into the watercourse.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	

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18	NEB Ex. A81182-14	Fish and Fish Habitat	Application of herbicides will adhere to appropriate general mitigation measures and all chemical applications will be conducted by a certified licensed applicator.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
19	NEB Ex. A81182-14	Fish and Fish Habitat	Herbicides are to be applied in accordance with a Pesticide Use Permit and Pesticide Application Requirements for Manitoba Hydro Employees and Contractors Publication.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
20	NEB Ex. A81182-14	Fish and Fish Habitat	Herbicides will not be applied to open water or to areas where fish habitat may be affected.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
21	NEB Ex. A81182-14	Fish and Fish Habitat	Herbicides will not be applied, other than backpack applications or handgun spot applications, within 30 meters of open water areas.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
22	NEB Ex. A81182-14	Fish and Fish Habitat	If minor rutting is likely to occur, watercourse bank and bed protection methods (e.g., construction mats) should be used provided they do not constrict flows or block fish passage.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
23	NEB Ex. A81182-14	Fish and Fish Habitat	In riparian areas, vegetation will be maintained in a way that leaves root systems intact.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
24	NEB Ex. A81182-14	Fish and Fish Habitat	Only chemicals approved by the Pesticide Use Permit are to be used.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
25	NEB Ex. A81182-14	Fish and Fish Habitat	Riparian vegetation maintenance will be conducted by a method that limits watercourse bank disturbance, and if rutting or erosion is likely, appropriate bank protection measures will be implemented prior to machinery use.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
26	NEB Ex. A81182-14	Fish and Fish Habitat	An emergency spill kit will be available on site in case of fluid leaks or spills from machinery.	Construction Team	Construction	Complete	

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27	NEB Ex. A81182-14	Fish and Fish Habitat	Equipment or machinery will not be washed in, or within 100 m, of watercourses.	Construction Team	Construction	Complete	
28	NEB Ex. A81182-14	Fish and Fish Habitat	Fuel storage and equipment servicing areas will be located a minimum of 100 m away from the ordinary high water mark of any watercourse.	Construction Team	Construction	Complete	
29	NEB Ex. A81182-14	Fish and Fish Habitat	In watercourses where mussel SOCC are known to occur, watercourse crossings may occur by boat or barge, or during winter (i.e., under frozen conditions) to prevent mortality of the mussels.	Construction Team	Construction	Complete	
30	NEB Ex. A81182-14	Fish and Fish Habitat	Machinery operation will take place outside the water in a manner that limits disturbance to the watercourse shorelines and riparian vegetation.	Construction Team	Construction	Complete	
31	NEB Ex. A81182-14	Fish and Fish Habitat	Project personnel will be prohibited from fishing at Project locations or along rights-of-way.	Construction Team	Construction	Complete	
32	NEB Ex. A81182-14	Fish and Fish Habitat	Slash/debris piles will be adequately stabilized and stored above the HWM.	Construction Team	Construction	Complete	
33	NEB Ex. A81182-14	Fish and Fish Habitat	Use only clean ice/snow for construction of an ice/snowfill or ice bridge. Approaches to the bridge should be constructed with compacted snow and ice of sufficient thickness to protect the watercourse channel and banks. Sand, gravel and soils are not to be used for ice bridge approaches.	Construction Team	Construction	Complete	

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34	NEB Ex. A81182-14	Fish and Fish Habitat	Vehicle, equipment and machinery operators will perform a daily inspection for fuel, oil and fluid leaks and will immediately shutdown and repair any leaks found. All machinery working near watercourses will be kept clean and free of leaks.	Construction Team	Construction	Complete	
35	NEB Ex. A81182-14	Fish and Fish Habitat	Appropriate erosion and sediment control measures will be implemented to mitigate sediment introduction into watercourses.	Construction Team	Construction	Complete	
36	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Artificial structures for nesting may be provided if unoccupied nests must be removed.	Construction Team	Construction	Complete	
37	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Clearing wastes and other construction debris or waste will not be placed in wetland areas.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
38	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Environmentally sensitive sites, features and areas will be identified and mapped before clearing.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	

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39	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	In sensitive areas of critical golden-winged warbler habitat, ROW vegetation will be managed according to the Right-of-Way Habitat Management Plan for Managing Critical Golden-winged Warbler Habitat during Construction and Operation.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
40	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Natural low growing shrub and grass vegetated buffer areas of 30 m will be established around wetlands and riparian zones.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
41	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Trees containing large nests of sticks and areas where active animal dens or burrows are encountered will be buffered and left undisturbed until unoccupied. Artificial structures for nesting may be provided if unoccupied nests must be removed.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
42	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Vehicle, equipment and machinery maintenance and repairs will be carried out in designated areas located at least 100 m from the ordinary high water mark of a waterbody, riparian area or wetland.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
43	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Wildlife features (i.e., mineral licks and stick nests) will be identified in Construction Environmental Protection Plan and mitigation applied such as buffers and/or setbacks prior to clearing.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
44	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Rehabilitation plans will include objectives for restoration of natural conditions, erosion protection, sediment control, non-native and invasive plant species management, wildlife habitat restoration and restoration of aesthetic values as required.	Regulatory / Environmental Team	Pre-construction	Complete	Plans include stated objectives and have been filed with the NEB as per condition 10
45	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Construction activities will be restricted to established roads, trails and cleared construction areas in accordance with the Access Management Plan.	Construction Team	Construction	Complete	

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46	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	Clearing activities will not be carried out outside of reduced risk timing windows for wildlife species without additional mitigation measures.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
47	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	To reduce the potential for collisions with wires following wire installation, bird diverters will be placed at environmentally sensitive sites.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
48	NEB Ex. A81182-16	Wildlife and Wildlife Habitat	For Manitoba Hydro projects occurring in the same geographic area, coordinate access requirements to reduce the need to construct additional access roads in areas of natural wildlife habitat.	Regulatory / Environmental Team	Construction	Complete	
49	NEB Ex. A81182-27	Agriculture	Manitoba Hydro will continue to support studies to understand the effects of its projects on agricultural land use and use study outcomes to reduce effects of future projects on conflict with agricultural activities.	Regulatory / Environmental Team	All Phases	On-going	This commitment will continue for the operational life of the project.
50	NEB Ex. A81182-18	Vegetation and Wetlands	Approach grades to waterbodies will be reduced to limit disturbance to riparian areas.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
51	NEB Ex. A81182-18	Vegetation and Wetlands	Buffers and sensitive areas (where applicable) will be clearly marked with stakes and/or flagging tape prior to clearing.	Construction Team	Construction	Complete	
52	NEB Ex. A81182-18	Vegetation and Wetlands	Grubbing will be limited within the ROW to reduce root damage, except at tower foundation sites and centerline trail.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	

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53	NEB Ex. A81182-18	Vegetation and Wetlands	Grubbing will not be permitted within 2 m of standing timber to prevent damage to root systems and to limit the occurrence of blow down.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
54	NEB Ex. A81182-18	Vegetation and Wetlands	Necessary work permit(s) will be obtained, as required under The Crown Lands Act, The Provincial Parks Act and The Forest Act for work on Crown, designated and provincial forest land, respectively.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
55	NEB Ex. A81182-18	Wildlife and Wildlife Habitat	Manitoba Hydro will continue to support wildlife-related research efforts in the region.	Regulatory / Environmental Team	All Phases	On-going	Construction is complete. This commitment will continue for the operational life of the project.
56	NEB Ex. A81182-18	Vegetation and Wetlands	Only water and approved dust suppression products will be used to control dust on access roads, where required. Oil or petroleum products will not be used.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Monitoring	Construction is complete. This commitment will continue for the operational life of the project.
57	NEB Ex. A81182-18	Vegetation and Wetlands	Non-herbicide methods such as hand cutting, mechanical cutting or mulching will be used to clear the transmission line ROW and other sites. If herbicides are required to control vegetation growth, such as noxious/invasive weeds during construction, all applicable permits and provincial regulations (The Noxious Weed Act) will be followed.	Construction and Transmission Line Maintenance Teams	Construction	Complete	
58	NEB Ex. A81182-18	Vegetation and Wetlands	Trees will be felled toward the middle of rights-of-way or cleared areas to avoid damaging standing trees. Trees will not be felled into waterbodies. Danger trees will be flagged or marked for removal using methods that do not damage soils and adjacent vegetation.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
59	NEB Ex. A81182-18	Vegetation and Wetlands	The Rehabilitation and Invasive Species Management Plan will include objectives for the restoration of natural conditions, wildlife habitat and aesthetic values, and for erosion protection, sediment control, non-native and invasive plant species management, as required.	Regulatory / Environmental Team	Pre-construction	Duplicate of commitment ID 4. Status to be reported above under 44.	Plans have been filed with the NEB as per condition 10.

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60	NEB Ex. A81182-18	Vegetation and Wetlands	Windrows of grubbed materials will be piled at least 15 m from standing timber.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
61	NEB Ex. A81182-18	Vegetation and Wetlands	Disturbed areas along transmission line rights-of-way will be rehabilitated in accordance with the Rehabilitation and Invasive Species Management Plan.	Construction Team	Construction	Complete	
62	NEB Ex. A81182-18	Vegetation and Wetlands	Clearing methods that do not disturb soil will be employed in areas that have to be cleared within the 30 m buffer zone.	Construction Team	Construction	Complete	
63	NEB Ex. A81182-18	Vegetation and Wetlands	Environmental protection measures for working in and around wetlands will be reviewed with the Contractor and employees prior to commencement of any construction activities.	Construction Team	Construction	Complete	
64	NEB Ex. A81182-18	Vegetation and Wetlands	Natural drainage patterns and flows will be maintained to the extent possible.	Construction Team	Construction	Complete	
65	NEB Ex. A81182-18	Vegetation and Wetlands	Rights-of-way will be cleared when the ground is frozen or dry to limit rutting and erosion where applicable. In situations where the ground is not dry or completely frozen, alternate mitigation measures as described in the Saturated/Thawed Soils Operating Guidelines will be implemented.	Construction Team	Construction	Complete	
66	NEB Ex. A81182-18	Vegetation and Wetlands	Riparian Buffers shall be a minimum of 30 m and increased in size based on slope of land entering waterway (See Riparian Buffer Table in Construction Environmental Protection Plan). Within these buffers, shrub and herbaceous understory vegetation will be maintained along with trees that do not violate Manitoba Hydro Vegetation Clearance Requirements.	Construction Team	Construction	Complete	
67	NEB Ex. A81182-18	Vegetation and Wetlands	Surface water runoff will be directed away from disturbed and erosion-prone areas but not directly into waterbodies.	Construction Team	Construction	Complete	

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68	NEB Ex. A81182-18	Vegetation and Wetlands	Temporary berms, cross ditches or silt fences will be installed between wetlands and disturbed areas when deemed necessary by the Environmental Inspector. Subsoil and topsoil material will be replaced, and pre-construction contours and drainage patterns will be reestablished within wetland boundaries as soon as possible following construction.	Construction Team	Construction	Complete	
69	NEB Ex. A81182-18	Vegetation and Wetlands	Erosion protection and sediment control measures will be implemented prior to grading, in accordance with the Erosion Protection and Sediment Control Plan. Grading will be directed away from wetlands. Stockpiled materials from grubbing will not block natural drainage patterns.	Construction Team	Construction	Complete	
70	NEB Ex. A81182-18	Vegetation and Wetlands	Where appropriate, regional native grass mixtures will be used to help revegetate disturbed areas in order to control erosion or prevent invasion of non-native species. The mixtures will not contain non-native or invasive species.	Construction Team	Construction	Complete	
71	NEB Ex. A81182-18	Vegetation and Wetlands	Equipment will be cleaned before moving from locations with identified invasive weed infestation. Manitoba Hydro employees and contractors will follow the Project Biosecurity Management Plan during Construction and the Transmission Business Unit's Agricultural Biosecurity Standard Operating Procedures during operations to prevent the spread of invasive weeds.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
72	NEB Ex. A81182-18	Vegetation and Wetlands	Weed control along access roads and trails, at temporary construction camps, marshalling yards and borrow sites will be conducted in accordance with the Rehabilitation and Invasive Species Management Plan.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
73	NEB Ex. A81182-18	Vegetation and Wetlands	Large areas identified as having invasive plant and non-native weed species occurrences prior to the start of construction will be mapped. Weed control along access roads and trails will be conducted in accordance with the Rehabilitation and Invasive Species Management Plan.	Transmission Line Maintenance Team	Construction; Operations & Maintenance	On-going	
74	NEB Ex. A81182-18	Vegetation and Wetlands	Additional surveys will be conducted in the PDA prior to construction to identify new occurrences of rare plants. If previously unidentified plant SAR or SOCC are found on the ROW prior to or during construction, the occurrences will be flagged for avoidance.	Regulatory / Environmental Team	Construction	Complete	Environmental surveys completed in August 2018 and August 2019 by vegetation specialist. Appropriate buffers were applied in the Construction Environmental Protection Plan.

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75	NEB Ex. A81182-18	Vegetation and Wetlands	If avoidance of listed rare plant species is not possible, Manitoba Sustainable Development will be contacted to determine the most appropriate mitigation action. This could include harvesting seed from the PDA, salvaging and transplanting portions of sod, collecting cuttings or transplanting whole plants.	Regulatory / Environmental Team	Construction	Complete	
76	NEB Ex. A81182-18	Vegetation and Wetlands	SAR and critical habitat will be protected in accordance with provincial and federal legislation and provincial and federal guidelines. A 30 m setback distance will be applied to known SAR and a 10 m buffer will be applied to SOCC occurrences within the PDA (Appendix 10-B). Setbacks and buffers along the ROW will be clearly identified by signage or flagging prior to construction, and signage or flagging will be maintained during construction to alert crews to the presence of the setback.	Regulatory / Environmental Team	Construction	Complete	
77	NEB Ex. A81182-18	Vegetation and Wetlands	The Contractor will be restricted to established roads and trails and cleared construction areas in accordance with the Access Management Plan.	Construction Team	Construction	Complete	
78	NEB Ex. A81182-18	Vegetation and Wetlands	Manitoba Hydro will prepare Erosion Protection and Sediment Control Plans, which will be implemented by the Contractor.	Regulatory / Environmental and Construction Teams	Construction	Complete	Plans completed and submitted to NEB per Condition 10.
79	NEB Ex. A81182-18	Vegetation and Wetlands	Final tower siting will avoid confirmed locations of SOCC (species of conservation concern), where possible.	Regulatory / Environmental Team	Pre-construction	Complete	
80	NEB Ex. A81182-20	Traditional Land and Resource Use	Areas identified for selective clearing (e.g., buffer zones, sensitive sites) will be flagged prior to clearing.	Regulatory / Environmental Team	Construction	Complete	
81	NEB Ex. A81182-20	Traditional Land and Resource Use	Disturbed areas along transmission line rights-of-way will be rehabilitated in accordance with site Rehabilitation and Invasive Species Management Plan.	Construction Team	Construction	Complete	
82	NEB Ex. A81182-18	Vegetation and Wetlands	Weed control along access roads and trails will be in accordance with the Rehabilitation and Invasive Species Management Plan.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.

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83	NEB Ex. A81182-20	Traditional Land and Resource Use	No herbicides will be used in the clearing phase of construction.	Construction Team	Construction	Complete	
84	NEB Ex. A81182-20	Traditional Land and Resource Use	Vehicles, equipment and machinery must arrive onsite in clean condition free of fluid leaks and weed seeds.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
85	NEB Ex. A81182-20	Traditional Land and Resource Use	Construction techniques will be applied that limit effects on vegetation and plant harvesting, including limitations to grubbing, restrictions for contractors to use only established roads and trails, and cleared construction areas, the use of Saturated/Thawed Soils Operating Guidelines in situations where the ROW does not have completely frozen or dry ground conditions and Erosion Protection and Sediment Control Plans.	Construction Team	Construction	Complete	
86	NEB Ex. A81182-20	Traditional Land and Resource Use	For clearly identified plant harvesting areas, Manitoba Hydro may utilise a variety of measures, including flagging of area, selective clearing methods, construction matting, non-chemical vegetation management, specific measures are assigned on a site by site basis.	Construction Team	Construction	Complete	
87	NEB Ex. A81182-20	Traditional Land and Resource Use	Herbicides will not be used for ROW clearing. For maintenance of the ROW, an Integrated Vegetation Management Program will be developed. Manitoba Hydro will consider nonchemical vegetation management in clearly identified sensitive sites that contain plants that are of importance to Aboriginal harvesters.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	Complete	
88	NEB Ex. A81182-20	Traditional Land and Resource Use	Where appropriate, regional native grass mixtures will be used to assist revegetation of disturbed areas to control erosion or prevent invasion of non-native species. The mixtures will not contain non-native or invasive species.	Construction Team	Construction	Complete	
89	NEB Ex. A81182-20	Traditional Land and Resource Use	Applicable buffers and setbacks for bird nesting and breeding sites will be established during clearing activities.	Construction Team	Construction	Complete	
90	NEB Ex. A81182-20	Traditional Land and Resource Use	Bird diverters will be installed on skywires in areas of high collision risk potential.	Regulatory / Environmental Team	Construction	Complete	

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91	NEB Ex. A81182-20	Traditional Land and Resource Use	Bypass trails, sensitive sites and buffer areas will be clearly marked prior to clearing. Manitoba Hydro will prepare Erosion Protection and Sediment Control Plans, which will be implemented by the Contractor Manitoba Hydro prior to construction and will be updated annually.	Regulatory / Environmental Team	Construction	Complete	
92	NEB Ex. A81182-20	Traditional Land and Resource Use	Conducting preconstruction surveys for stick nests, mineral licks, and den sites to identify areas for setbacks and buffers.	Regulatory / Environmental Team	Construction	Complete	Aerial surveys were conducted for stick nests, mineral licks and den sites on May 1st, 2018 and March 13th 2019. Appropriate buffers were applied in the Construction Environmental Protection Plan.
93	NEB Ex. A81182-20	Traditional Land and Resource Use	Continuing to adapt with changing conditions or unexpected events that may occur through the operation of the Project.	Construction and Transmission Line Maintenance Teams	Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
94	NEB Ex. A81182-20	Traditional Land and Resource Use	Pre-construction surveys will be conducted for elements such as stick nests and mineral licks to identify areas for setbacks and buffers.	Construction Team	Construction	Complete	
95	NEB Ex. A81182-20	Traditional Land and Resource Use	The Botanical Survey of the Manitoba-Minnesota Transmission Project included as part of Black River First Nation, Long Plain First Nation and Swan Lake First Nation's ATK report will help inform the Environmental Protection Program for the Project.	Regulatory / Environmental Team	Construction	Complete	
96	NEB Ex. A81182-20	Traditional Land and Resource Use	Reduced risk timing windows for wildlife will be respected to avoid works during periods of the year when wildlife species are sensitive to disruptive operations because of a sensitive lifecycle activity such as calving, nesting and hibernation. These windows are based on federal and provincial regulatory requirements. Timing periods may be expanded or refined based on further data collection, transmission line final design and regulatory approvals to be issued for the Project.	Regulatory / Environmental Team	Construction	Complete	
97	NEB Ex. A81182-20	Traditional Land and Resource Use	Reducing bird-wire collisions by installing bird diverters in areas of high collision risk.	Regulatory / Environmental Team	Construction	Duplicate of commitment ID 90. Status to be reported above under 90.	

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98	NEB Ex. A81182-20	Traditional Land and Resource Use	Respecting Reduced Risk Timing Windows for Wildlife to avoid works during periods of the year when wildlife species are sensitive to disruptive operations because of a sensitive lifecycle activity such as calving, nesting, and hibernation. These windows are based on federal and provincial regulatory requirements. Timing periods may be expanded or refined based on further data collection, transmission line final design and regulatory approvals to be issued for the Project.	Regulatory / Environmental Team	Construction	Duplicate of commitment ID 96. Status to be reported above under 96.	
99	NEB Ex. A81182-20	Traditional Land and Resource Use	Through ongoing engagement processes, interested First Nations and the MMF will be notified about when/where construction is occurring.	FNMEP Team	Construction	Complete	
100	NEB Ex. A81182-20	Traditional Land and Resource Use	Existing access roads, trails or cut lines will be used to the extent possible. Permission to use existing resource roads will be obtained, where applicable.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
101	NEB Ex. A81182-20	Traditional Land and Resource Use	Information signs and the placement of warning markers will be used to identify the active construction site where it intersects a designated recreational trail.	Construction Team	Construction	Complete	
102	NEB Ex. A81182-20	Traditional Land and Resource Use	Mud, dust and vehicle emissions will be managed in a manner that will allow safe, continuous public activities near construction sites.	Regulatory / Environmental Team	Construction	Complete	
103	NEB Ex. A81182-20	Traditional Land and Resource Use	A Cultural and Heritage Resources Protection Plan (CHRPP) is part of the Environmental Protection Program and available as a standalone document. The Cultural and Heritage Resources Protection Plan sets out Manitoba Hydro's commitment to safeguard cultural and heritage resources and describes how to appropriately handle human remains or cultural and heritage resources discovered or disturbed during the construction of the Project.	Regulatory / Environmental Team	Construction	Complete	Plan submitted per NEB Condition #10
104	NEB Ex. A81182-20	Traditional Land and Resource Use	Protection measures such as fencing of a heritage resource site will be used within the ROW.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
105	NEB Ex. A81182-20	Traditional Land and Resource Use	Manitoba Hydro will conduct pre-construction surveys for vegetation and wildlife along the route.	Regulatory / Environmental Team	Pre-construction	Complete	
106	NEB Ex. A81182-20	Traditional Land and Resource Use	Construction activities will not be carried out within established buffer zones for heritage resources except as approved by Project Archaeologist.	Construction and Transmission Line Maintenance Teams	Construction	Complete	
107	NEB Ex. A81182-20 NEB Ex. A81182-22	Traditional Land and Resource Use	Evaluation of any route change or added development will be conducted (for Cultural Sites).	Regulatory / Environmental Team	Pre-construction; Construction	Complete	The Project CHRPP (filed with the NEB per Condition 10 will be followed for any areas of development (ex Camp) and locations where route changes are required.
108	NEB Ex. A81182-20	Traditional Land and Resource Use	Marking identified cultural and heritage sites for protection.	Regulatory / Environmental Team	Construction; Operations & Maintenance	Complete	
109	NEB Ex. A81182-20	Traditional Land and Resource Use	Orientation for Project staff working in construction areas will include heritage resource awareness and training, including the nature of heritage resources and the management of any resources encountered.	Construction Team	Construction	Complete	
110	NEB Ex. A81182-20	Traditional Land and Resource Use	Pre-construction investigation by a professional archaeologist in areas that are considered to be heritage sensitive such as sites identified as being culturally sensitive by First Nation and Metis, extant buildings or building foundations, stone features, burial sites and any other heritage resources sites as defined by The Heritage Resources Act (1986).	Regulatory / Environmental Team	Pre-construction	Complete	Ongoing monitoring at specific sites is occurring by project archaeologist.
111	NEB Ex. A81182-20	Traditional Land and Resource Use	Providing opportunities to MMF and First Nations to develop Cultural and Heritage Resources Protection Protocols outlining processes and protocols in the event of a discovery of a previously unrecorded heritage or culture resource. The protocol identifies the area of interest, key contacts and includes any ceremonial or spiritual activities First Nations or Metis would like to conduct prior to construction or during specific phases throughout construction	FNMEP and Regulatory / Environmental Teams	Pre-construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
112	NEB Ex. A81182-20	Traditional Land and Resource Use	The contractor will report heritage resource materials immediately to the Construction Supervisor will cease construction activities in the immediate vicinity until the Project Archaeologist is contacted and prescribes instruction.	Construction Team	Construction	Complete	
113	NEB Ex. A81182-20	Traditional Land and Resource Use	All archaeological finds discovered during site preparation and construction will be left in their original position until the Project Archaeologist is contacted and provides instruction. Environmental protection measures for heritage resources will be reviewed with the contractor and employees prior to commencement of any construction activities.	Construction Team	Construction	Complete	
114+A127:1127	NEB Ex. A81182-20	Traditional Land and Resource Use	Providing opportunities for First Nations and MMF to identify sensitive sites to help inform the Environmental Protection Program for the Project.	FNMEP Team	All Phases	On-going	This commitment will continue for the operational life of the project.
115	NEB Ex. A81182-20	Traditional Land and Resource Use	Orientation information will include typical heritage resource materials and reporting procedures.	Regulatory / Environmental Team	Construction	Complete	Initial contractor staff orientations included cultural and heritage resource materials and reporting procedures. Continuous on-boarding will be conducted as new staff arrive on site.
116	NEB Ex. A81182-20	Traditional Land and Resource Use	First Nations and MMF will be given opportunities to identify sensitive sites to help inform the Environmental Protection Program for the Project.	FNMEP Team	Pre-construction	Complete	Manitoba Hydro will continue to provide opportunities for First Nations and MMF to identify sensitive sites throughout operation.
117	NEB Ex. A81182-20	Traditional Land and Resource Use	Developing and implementing a Cultural and Heritage Resources Protection Plan that describes processes and protocols to protect discovered cultural and heritage resources during construction.	Regulatory / Environmental Team	Construction	Complete	Plan developed, submitted as per NEB Condition #10
118	NEB Ex. A81182-22	Heritage Resources	Pre-construction investigation by a professional archaeologist in areas in close proximity to known heritage resource sites.	Regulatory / Environmental Team	Pre-construction	Duplicate of commitment ID 110. Status to be reported above under 110.	
119	NEB Ex. A81182-22	Heritage Resources	Protective barriers placed, where required, around heritage resource sites that are inadvertently found during construction so that the area can be protected while work proceeds.	Construction Team	Construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
120	NEB Ex. A81182-22	Heritage Resources	Controlled surface collection or salvage excavation of known heritage resource sites, or a portion thereof, that cannot be avoided.	Regulatory / Environmental Team	Construction	Complete	No further collection or excavation is planned by Project Archeologist are required as all clearances required to start construction have been received. As foundations are installed in key locations identified in CEnvPP they will be monitored on-site by Project Archeologist
121	NEB Ex. A81182-22	Heritage Resources	Education of construction contractors for the appropriate protocol in the event that heritage resources, or objects thought to be heritage resources, are uncovered.	Construction Team	Construction	Complete	
122	NEB Ex. A81182-22	Heritage Resources	Timing construction and maintenance to avoid any religious ceremonies/practices or interments at Sundown cemetery.	Public Engagement and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
123	NEB Ex. A81182-22	Heritage Resources	Evaluation of any route change or added development (is done for heritage resources).	Regulatory / Environmental Team	Pre-construction; Construction	Duplicate of Commitment ID 107. Status to be reported above under 107.	
124	NEB Ex. A81182-24	Infrastructure and Services	Mobile construction camps will be used to house workers where temporary accommodations within communities are not available.	Construction Team	Construction	Complete	
125	NEB Ex. A81182-24	Infrastructure and Services	Potable water will typically be transported to site and/or camps by truck, and will come from an approved water source.	Construction Team	Construction	Complete	
126	NEB Ex. A81182-24	Infrastructure and Services	An Emergency Response Plan (ERP) will be developed. As part of the development and implementation of the ERP, Manitoba Hydro will work with local emergency responders to maintain appropriate emergency response times.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Emergency Response Plans submitted to the NEB pursuant to Conditions 10 and 14. This commitment will continue for the operational life of the project.

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
127	NEB Ex. A81182-24	Infrastructure and Services	Project personnel will be made aware of the ERP and designated staff will receive ERP training. Among other elements, the plan will address handling and storage of materials, driving safety, animal encounters, emergency response communications, spill response, personnel injury response, and vehicle collisions.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Emergency Response Plans submitted to the NEB pursuant to Conditions 10 and 14. This commitment will continue for the operational life of the project.
128	NEB Ex. A81182-24	Infrastructure and Services	Manitoba Hydro and its contractors will utilize a Waste and Recycling Management Plan to manage waste and recycling in accordance with The Public Health Act and The Dangerous Goods Handling and Transportation Act. This plan will outline policies related to reducing the amount of solid waste generated; facilitating recycling wherever possible; and storing, transporting, and disposing of solid wastes at appropriate facilities.	Construction Team	Construction	Complete	Waste and Recycling Management plan submitted to the NEB pursuant to Condition 10
129	NEB Ex. A81182-24	Infrastructure and Services	In compliance with The Public Health Act and/or The Environment Act (Province of Manitoba 1996; 2015a), wastewater will be transported to an appropriate wastewater facility.	Construction Team	Construction	Complete	
130	NEB Ex. A81182-24	Infrastructure and Services	As part of its Public and First Nation and Metis engagement processes, Manitoba Hydro will continue to engage with and share Project information with local governments, service providers, and/or businesses.	FNMEP and Public Engagement Teams	All Phases	On-going	This commitment will continue for the operational life of the project.
131	NEB Ex. A81182-24	Infrastructure and Services	All materials transported by truck will be compliant with any weight restrictions or permits, Spring Road Restrictions (SRRs), or geometric constraints set out by MIT or municipal governments.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
132	NEB Ex. A81182-24	Infrastructure and Services	Workers will be hired locally or regionally, whenever possible.	Construction Team	Construction	Complete	
133	NEB Ex. A81182-24	Infrastructure and Services	Manitoba Hydro will work with local authorities to address any damages to roads that occur as a result of the Project.	Construction Team	Construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
134	NEB Ex. A81182-24	Infrastructure and Services	Manitoba Hydro will obtain the following permits, as required, from the following entities: - MIT: Permits are required for any construction above or below ground that falls within 250 feet of a PTH or 150 feet of a PR, including but not necessarily limited to those crossings listed in Table 13 15 - Pipeline and railway companies: Crossing agreements are required for transmission line crossings of pipelines and railways	Project Management Team	Construction	Complete	
135	NEB Ex. A81182-24	Infrastructure and Services	Manitoba Hydro will manage and monitor farm vehicle use within segments F and G and, where necessary, will work with operators/farmers to mitigate risks associated with induced current in these areas.	Regulatory / Environmental Team	Operations & Maintenance	No Longer Applicable	Re-evaluation has determined that levels are expected to be within CSA standards and therefore monitoring is not required. (per testimony of B. Bailey(PDF page 368) Transcript page 1415 and 1416 A84536-22 Hearing Transcript - A5R6F9)
136	NEB Ex. A81182-24	Infrastructure and Services	Manitoba Hydro will continue to engage with the entities responsible for underground infrastructures, roads, railways, and floodways (e.g., municipal governments, CN Rail) to identify areas where tower placement could interfere with underground infrastructures, maintenance activities, or future plans for expansion. This information will be used to inform the selection of final tower locations during the engineering analysis and Design Standards (see also Chapter 2, Section 2.9.6 Tower Location).	Transmission Design and Regulatory / Environmental Teams	Pre-construction	Complete	Final tower locations have been determined. If tower locations change during construction due to unforeseen circumstances, interaction with the noted infrastructure will be reviewed and appropriate mitigation determined.
137	NEB Ex. A81182-24	Infrastructure and Services	Manitoba Hydro will provide information for conducting aeronautical assessments, as required by Transport Canada/NAV Canada regulations, to identify potential interferences with airports/airstrips. Such assessments are typically required for structures/lines greater than 90 m high or within 4 km of a known airport/airstrip location.	Regulatory / Environmental Team	Pre-construction	Complete	There are no airports or airstrips within 4km of the route requiring this assessment.
138	NEB Ex. A81182-24	Infrastructure and Services	The Project design will meet or exceed standards for setbacks and overhead clearance, including: - CAN/CSA-C22.3 No. 1-10 "Overhead Systems" which outlines electrical and safety clearances including road, pipeline, and rail crossing clearances - CAN/CSA 22.3 No. 60826-10 "Design Criteria for Overhead Transmission Lines" for structural and mechanical design - CAN/CSA-22.3 No. 6-M91 "Principles and Practices of Electrical Coordination between Pipelines and Electrical Supply Lines"	Transmission Design Team	Pre-construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
139	NEB Ex. A81182-24	Infrastructure and Services	Industry Canada (2013) provides recommendations for acceptable levels of radio noise applicable to AC high voltage power systems, under the Radio communication Act described in Section 13.1.1.2. For 500 kV transmission lines, the maximum recommended radio noise level in fair weather conditions is 60 decibels relative to 1 microvolt per metre (dBµV/m).	Transmission Design Team	Pre-construction	Complete	Design standard noted.
140	NEB Ex. A81182-24	Infrastructure and Services	Vehicles transporting dangerous goods or hazardous products will display required placards and labeling in accordance with provincial legislation and Manitoba Hydro guidelines.	Construction Team	Construction	Complete	
141	NEB Ex. A81182-24	Infrastructure and Services	The Contractor or Manitoba Hydro will communicate with accommodations providers regarding its projects to help them plan for and coordinate demand.	Construction Team	Pre-construction	Complete	
142	NEB Ex. A81182-24	Infrastructure and Services	Prior to final design, Manitoba Hydro will identify any potential for signal blockage or interference with communication providers (including radar and radio-telescopes) due to the Project, and will incorporate additional measures to avoid signal interference (e.g., through tower placement).	Transmission Design Team	Pre-construction	Complete	There are no communication infrastructure such as radar or radio telescopes known to experience interference in range of the project.
143	NEB Ex. A81182-24	Infrastructure and Services	The Project design will meet or exceed standards for setbacks and overhead clearance distances and induction including those outlined in EIS Section 13.5.5.3.	Transmission Design Team	Pre-construction	Complete	
144	NEB Ex. A81182-26	Employment and Economy	Manitoba Hydro will contact First Nation and MMF representatives prior to Project start-up.	FNMEP Team	Pre-construction	Complete	
145	NEB Ex. A81182-26	Employment and Economy	Manitoba Hydro will contact local municipal authorities prior to Project start-up.	Public Engagement Team	Pre-construction	Complete	
146	NEB Ex. A81182-26	Employment and Economy	Manitoba Hydro will work with the contractors through the contracting process to promote participation of Manitoba businesses in the Project.	Construction Team	Pre-construction; Construction	Complete	
147	NEB Ex. A81182-26	Employment and Economy	Manitoba Hydro works through the contracting process to actively promote participation of Manitoba businesses for the Project. Recruitment for the project will be tracked.	Construction Team	Pre-construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
148	NEB Ex. A81182-27	Agriculture	Manitoba Hydro will pay compensation pursuant to the Landowner Compensation Program for damage to infrastructure/crops from construction or maintenance activities.	Property Team	Construction; Operations & Maintenance	On-going	Manitoba Hydro is current on all such payments and will continue to respond to claims that arise. This commitment will continue for the operational life of the project.
149	NEB Ex. A81182-27	Agriculture	Effects of soil compaction and rutting will be mitigated by managing equipment traffic routes and activities for access route and bypass trail development, temporary sites' setup, clearing of the transmission ROW, installation of the transmission structures, and station site preparation. In accordance with the Access Management Plan, the Contractor will be restricted to established roads and trails and cleared construction areas.	Construction Team	Construction	Complete	
150	NEB Ex. A81182-27	Agriculture	If working on saturated soils during non-frozen ground conditions, the contractor will follow the Saturated/Thawed Soils Operating Guidelines to minimize compaction and admixing.	Construction Team	Construction	Duplicate of Commitment ID 65. Status to be reported above under 65.	
151	NEB Ex. A81182-27	Agriculture	Construction areas and sites will be assessed for compaction and if required will be rehabilitated as per the Rehabilitation and Invasive Species Management Plan, prior to returning them to agricultural use.	Construction Team	Construction	Complete	
152	NEB Ex. A81182-27	Agriculture	Manitoba Hydro will prepare Erosion Protection and Sediment Control Plans, which will be implemented by the Contractor.	Regulatory / Environmental Team	Construction	Complete	See Erosion Protection and Sediment Control Plans, filed per NEB condition #10
153	NEB Ex. A81182-27	Agriculture	Areas of temporary soil disturbance on agricultural lands will be rehabilitated in accordance with the Rehabilitation and Invasive Species Management Plan. This plan will be developed before construction, and would be part of the overall Environmental Protection Program, as described in EIS Chapter 22.	Regulatory / Environmental Team	Construction	Complete	
154	NEB Ex. A81182-27	Agriculture	Ancillary damage compensation could be provided for damage to infrastructure, including that for hog manure application, irrigation and livestock watering.	Property Team	Construction; Operations & Maintenance	On-going	Manitoba Hydro is current on all such payments and will continue to respond to claims that arise. This commitment will continue for the operational life of the project.
155	NEB Ex. A81182-27	Agriculture	Ancillary damage compensation could be provided for prior to construction, if producers indicate the presence of manure application draglines, irrigation networks and watering infrastructure, they will be considered when tower siting, where possible, to reduce local effects.	Property Team	Pre-construction	Complete	All known issues have been resolved by Manitoba Hydro

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
156	NEB Ex. A81182-27	Agriculture	All equipment will arrive at the ROW or Project site clean and free of soil or vegetative debris (including weed seeds).	Construction Team	Construction	Complete	
157	NEB Ex. A81182-27	Agriculture	Where construction or maintenance activities have the potential to interfere with field activities discussions with the landowner or producers will be held to move livestock/equipment during those activities.	Public Engagement Team	All Phases	On-going	This commitment will continue for the operational life of the project.
158	NEB Ex. A81182-27	Agriculture	Manitoba Hydro employees and contractors will follow the Project Biosecurity Plan during Construction and the Transmission Business Unit's Agricultural Biosecurity Standard Operating Procedures during operations to prevent the spread of invasive weeds.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
159	NEB Ex. A81182-27	Agriculture	Ancillary damage compensation could be provided for yield reduction due to limited access for aerial and ground application of crop protection products or other important field operations during construction activities.	Property Team	Ongoing	On-going	All known issues have been resolved by Manitoba Hydro
160	NEB Ex. A81182-27	Agriculture	Manitoba Hydro employees and contractors will follow the Project Biosecurity Plan during Construction and the Transmission Business Unit's Agricultural Biosecurity Standard Operating Procedures during operations to prevent the spread of invasive weeds.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
161	NEB Ex. A81182-27	Agriculture	Communication with landowners/producers regarding interruption of field operations (e.g., aerial or ground spraying and manure application) will be conducted prior to construction and prior to maintenance activities.	Public Engagement Team	All Phases	On-going	This commitment will continue for the operational life of the project.
162	NEB Ex. A81182-27	Agriculture	Asking producers or landowners to avoid spreading manure or pasturing livestock in the transmission line ROW prior to construction.	Public Engagement Team	Construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
163	NEB Ex. A81182-27	Agriculture	Compensation will be provided according to Manitoba Hydro Landowner Compensation Program for land permanently removed from agriculture due to structure presence.	Property Team	Construction	Complete	Structure payments have been issued to all landowners subject to voluntary easement agreements.
164	NEB Ex. A81182-27	Agriculture	Compensation will be provided for yield reduction due to limited access for aerial and ground application of crop protection products during construction activities.	Property Team	Pre-construction	Duplicate of commitment ID 159. Status to be reported above under 159.	
165	NEB Ex. A81182-27	Agriculture	Ancillary damage compensation is a one-time payment when Manitoba Hydro's use of the right-of-way directly or indirectly affects the use of the property. It will be provided for: - agricultural effects such as irrigation and drainage - constraint effects such as restricted access to adjacent lands o traditional effects such as highest and best use of land	Property Team	All Phases	Complete	linked to Commitment #159 All known issues have been resolved by Manitoba Hydro
166	NEB Ex. A81182-27	Agriculture	Construction damage compensation is offered to landowners who experience damage to their property due to the construction, operations and maintenance of the transmission line. It will be provided to compensate a landowner for damages such as the reapplication or rejuvenation of compacted top soil where the remedial work requires farm machinery and the expertise of the landowner.	Property Team	Construction	Monitoring	All known issues have been resolved by Manitoba Hydro. This commitment will continue for the operational life of the project.
167	NEB Ex. A81182-27	Agriculture	Construction will be timed to reduce overlap with growing season, or activities will be limited during the growing season to avoid damage to crops. Where this is not feasible, Manitoba Hydro will pay compensation pursuant to the Landowner Compensation Program.	Property Team	Construction	Complete	All known issues have been resolved by Manitoba Hydro
168	NEB Ex. A81182-27	Agriculture	Structure Impact Compensation is a one-time payment to landowners for each transmission tower placed on land classed as agricultural. Structure Impact Compensation will cover: - reduced productivity in an area of overlap around each tower structure - additional time required to maneuver farm machinery around each structure - double application of seed, fertilizer and weed control in the area of overlap around each tower structure	Property Team	Pre-construction	Duplicate of commitment ID 163. Status to be reported above under 163.	
169	NEB Ex. A81182-27	Agriculture	Manitoba Hydro will continue to engage the agricultural community and stakeholders in project planning and identification of issues of concern, route selection, and the identification of mitigation measures.	Public Engagement Team	Pre-construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
170	NEB Ex. A81182-27	Agriculture	Manitoba Hydro will work with dairy producers affected by the development to address concerns with respect to EMF and tingle voltage.	Public Engagement Team	All Phases	On-going	
171	NEB Ex. A81182-27	Agriculture	Manitoba Hydro will continue to evaluate design mitigation, including tower types, tower spacing, and tower placement to reduce agricultural land loss as much as feasible.	Transmission Design Team	Pre-construction	Complete	
172	NEB Ex. A81182-27	Agriculture	Compensation will be provided according to the Manitoba Hydro Land Compensation Program for: - damage to property, any relocation of incompatible agricultural buildings (e.g., grain bins and livestock overwintering shelter) - temporary loss of agricultural land	Property Team	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
173	NEB Ex. A81182-27	Agriculture	Manitoba Hydro will contact directly affected landowners to discuss how to reduce effects on their agriculture activities.	Public Engagement Team	Pre-construction; Construction	Complete	
174	NEB Ex. A81182-27	Agriculture	Ancillary damage compensation could be provided for: damage to infrastructure, including that for hog manure application, irrigation and livestock watering.	Property Team	Pre-construction; Construction	On-going	This commitment is complete for the construction phase; will continue for the operational life of the project.
175	NEB Ex. A81182-27	Agriculture	Prior to construction, if producers indicate the presence of manure application draglines, irrigation networks and watering infrastructure, they will be considered when tower siting, where possible, to reduce local effects.	Regulatory / Environmental Team	Pre-construction	Complete	
176	NEB Ex. A81182-29	Land and Resource Use	Construction, operation and maintenance personnel will undertake activities in such a way to avoid affecting neighbouring properties, structures or operations. In the unlikely event that a landowner incurs damages, they are subject to compensation through Manitoba Hydro's existing compensation policies.	Property Team	Construction; Operations & Maintenance	Monitoring	This commitment will continue for the operational life of the project.
177	NEB Ex. A81182-29	Land and Resource Use	Implode compression conductor splicing will comply with local noise by-laws.	Construction Team	Construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
178	NEB Ex. A81182-29	Land and Resource Use	Manitoba Hydro will provide the contractor with a stakeholder list with names, organizations and contact information for the purpose of contacting stakeholders as necessary.	Public Engagement Team	Construction	Complete	
179	NEB Ex. A81182-29	Land and Resource Use	Canadian Standard Association stream crossing clearance guidelines will be adhered to for the construction, operation and maintenance of the transmission lines.	Transmission Design Team and Transmission Line Maintenance Team	Construction; Operations & Maintenance	Ongoing	This commitment will continue for the operational life of the project.
180	NEB Ex. A81182-29	Land and Resource Use	Clearing and disturbance will be limited to defined rights-of-way and associated access routes.	Construction Team	Construction	Complete	
181	NEB Ex. A81182-29	Land and Resource Use	Where applicable, provisions of the Navigation Protection Act related to the "Minor Works Order" for classes of work related to Aerial Cables – Power and Telecommunication will be adhered to.	Transmission Design Team	Construction	Complete	
182	NEB Ex. A81182-29	Land and Resource Use	Existing access road and trails will be used to the extent possible.	Regulatory / Environmental Team	Construction; Operations & Maintenance	Duplicate of Commitment ID 16. Status to be reported above under 16.	
183	NEB Ex. A81182-29	Land and Resource Use	Hunting and harvesting of wildlife, or possession of firearms by Project staff will not be permitted while working on project sites.	Construction Team	Construction	Complete	
184	NEB Ex. A81182-29	Land and Resource Use	Manitoba Hydro will contact lodge operators, outfitters and recreational resource user associations to the extent feasible and practical prior to project start-up.	Public Engagement Team	Pre-construction	Complete	
185	NEB Ex. A81182-29	Land and Resource Use	Manitoba Hydro will work with mining/quarry operators to determine if blasting mats or other mitigation measures are required during quarry operations within or adjacent to the ROW.	Transmission Design Team and Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
186	NEB Ex. A81182-29	Land and Resource Use	Manitoba Hydro will contact local resource users to the extent feasible and practical prior to Project start-up.	Public Engagement Team	Pre-construction	Complete	
187	NEB Ex. A81182-29	Land and Resource Use	All elm (<i>Ulmus americana</i>) wood will be burnt, chipped immediately or disposed of at approved municipal disposal sites to prevent the spread of Dutch Elm Disease (Manitoba Government 2013).	Regulatory / Environmental Team	Construction	Complete	
188	NEB Ex. A81182-29	Land and Resource Use	Existing access roads, trails or cut lines will be used to the extent possible. Permission to use existing resource roads will be obtained, where applicable.	Regulatory / Environmental Team	Construction; Operations & Maintenance	Duplicate of Commitment ID 100. Status to be reported above under 100.	
189	NEB Ex. A81182-29	Land and Resource Use	Manitoba Hydro will re-establish shelterbelts outside of the ROW where possible in such areas affected.	Property Team	Construction	Complete	All known issues have been resolved by Manitoba Hydro
190	NEB Ex. A81182-29	Land and Resource Use	Farmsteads and rural residences with shelterbelts established for aesthetic and environmental values affected by Project activities will be compensated by Manitoba Hydro.	Property Team	Pre-construction; Construction	Complete	All known issues have been resolved by Manitoba Hydro
191	NEB Ex. A81182-29	Land and Resource Use	A qualified drilling contractor with appropriate experience will be present for work in areas underlain by artesian aquifers.	Regulatory / Environmental Team	Construction	Complete	
192	NEB Ex. A81182-29	Land and Resource Use	Emergency response plans will be in place for sealing/grouting and pumping out drill holes in artesian well areas.	Regulatory / Environmental Team	Construction	Complete	
193	NEB Ex. A81182-29	Land and Resource Use	Follow-up inspections of installed foundations will be conducted to monitor for excess water leakage.	Construction Team	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
194	NEB Ex. A81182-29	Land and Resource Use	If herbicides are required to control vegetation growth, all applicable permits will be obtained and provincial regulations adhered to for pesticide use.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
195	NEB Ex. A81182-29	Land and Resource Use	Monitoring of groundwater levels in drill holes will be conducted during drilling and foundation installation.	Regulatory / Environmental Team	Construction	Complete	
196	NEB Ex. A81182-29	Land and Resource Use	Precautions will be taken where there is potential for mixing surface and groundwater to prevent interconnection of these waters.	Regulatory / Environmental Team	Construction	Complete	
197	NEB Ex. A81182-31	Visual Quality	Approved clearing boundaries will be clearly delineated by flagging prior to clearing or equipment will be guided through the use of Global Positioning Systems to keep clearing activities within the project.	Regulatory / Environmental Team	Construction	Complete	
198	NEB Ex. A81182-31	Visual Quality	With the exception of reflective bird diverters at areas of high bird-wire collision potential, tower materials and design are expected to limit the visual contrast with background.	Transmission Design Team	Pre-construction	Complete	Materials are consistent with those used on other transmission projects in Manitoba and are not designed to be reflective.
199	NEB Ex. A81182-31	Visual Quality	Efforts will be made during the design process to locate transmission towers to reduce visual interference in areas identified during public engagement (i.e., Ridgeland Cemetery).	Transmission Design Team	Pre-construction	Complete	
200	NEB Ex. A81182-31	Visual Quality	Where practical, towers will be sited as far from viewpoints of concern as possible to reduce the visible prominence.	Transmission Design Team	Pre-construction	Duplicate of commitment ID 199. Status to be reported above under 199.	
201	NEB Ex. A81182-33	Human Health Risk	Burning will not be used as a debris disposal method as per Clearing Management Plan.	Construction Team	Construction	Complete	
202	NEB Ex. A81182-33	Human Health Risk	Mud, dust and vehicle emissions will be managed in a manner that allows for safe and continuous public activities near construction sites where applicable.	Construction Team	Construction	Complete	
203	NEB Ex. A81182-33	Human Health Risk	Herbicides used by Manitoba Hydro on ROWs are formulated to target woody vegetation and broad-leaved plants while leaving grasses largely unaffected.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
204	NEB Ex. A81182-33	Human Health Risk	Manitoba Hydro is required to adhere to all laws and regulations regarding herbicide use, which will mitigate the potential for harm. Label restrictions will be adhered to during application.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
205	NEB Ex. A81182-33	Human Health Risk	Sensitive areas will not be treated with herbicides, such as those used for gathering berries and harvesting other types of traditional plant and animal country foods, that have been identified through ATK.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
206	NEB Ex. A81182-33	Human Health Risk	Manitoba Hydro will develop an integrated vegetation management plan for the control of woody and non-woody vegetation along the transmission line ROW and at other Project sites.	Regulatory / Environmental Team	Operations & Maintenance	Complete	see Integrated Vegetation Management Plan filed per NEB condition #10
207	NEB Ex. A81182-33	Human Health Risk	Use of passive or active techniques to minimize noise such as construction of barriers or noise cancellation to the extent feasible.	Construction Team	Construction	Complete	
208	NEB Ex. A81182-34	Community Health and Well-Being	Manitoba Hydro will work with the contractors through the procurements process to promote participation of local businesses in the Project.	Construction Team	Pre-construction; Construction	Complete	
209	NEB Ex. A81182-34	Community Health and Well-Being	Continue to engage with and share Project information, such as workforce numbers and construction schedules, with local communities, and Aboriginal groups.	Public Engagement and FNMEP Teams	Pre-construction; Construction	Complete	
210	NEB Ex. A81182-34	Community Health and Well-Being	Camp contractors are required to maintain a clean camp plan that meets all applicable provincial regulations and public health standards.	Construction Team	Construction	Complete	
211	NEB Ex. A81182-34	Community Health and Well-Being	Work with the regional health authorities to ensure adequate and appropriate strategies are put in place to reduce or eliminate the spread of infection at worksites, including the transport of severely contagious workers, and ensure sanitation standards meet public health guidelines.	Construction Team	Construction	Complete	In light of COVID -19 Manitoba Hydro is working directly with Manitoba Public Health officials to adjust work plans, implement measures for physical distancing and reduce the interaction of workers between sites.
212	NEB Ex. A81182-34	Community Health and Well-Being	Continuous communication with communities to address complaints or concerns related to Project activities or workers.	FNMEP Team	Construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
213	NEB Ex. A81182-34	Community Health and Well-Being	A communication protocol will be developed to notify affected parties of blasting operations and conductor splicing. Affected parties may include Manitoba Sustainable Development , RCMP, municipalities, landowners and resource users.	Construction Team	Construction	Complete	
214	NEB Ex. A81182-34	Community Health and Well-Being	Construction activities and equipment will be managed to avoid damage and disturbance to adjacent properties, structures and operations.	Construction Team	Construction	Complete	
215	NEB Ex. A81182-34	Community Health and Well-Being	Mitigation measures identified in EIS Chapter 17 to reduce adverse effects on visual quality, and associated stress and annoyance related to changes in viewsapes.	Transmission Design Team	Pre-construction	No Longer Applicable	
216	NEB Ex. A81182-34	Community Health and Well-Being	Noisy construction activities where noise and vibration may cause disturbance and stress in built-up areas will be limited to follow applicable noise bylaws.	Construction Team	Construction	Complete	
217	NEB Ex. A81182-34	Community Health and Well-Being	Informing nearby residents of major noise-generating activities such as the use of implode sleeves for conductor splicing and potential helicopter use for tower installation.	Construction and Public Engagement Teams	Construction	Complete	Manitoba Hydro has sent out postcards, social media notices, emails and eCampaigns about implode use
218	NEB Ex. A81182-34	Community Health and Well-Being	Manitoba Hydro will develop, organize, and participate in ongoing Public engagement and First Nation and Metis engagement processes activities in order to provide timeline and up to- date information regarding Project activities and to receive feedback.	Public Engagement and FNMEP Teams	Pre-construction; Construction	Complete	
219	NEB Ex. A81182-34	Community Health and Well-Being	Manitoba Hydro will enter into easement agreements with private landowners whose land is crossed by the transmission line. The information provided to landowners during this process is expected to alleviate concerns related to Project uncertainty.	Property Team	Pre-construction	Complete	All known issues have been resolved by Manitoba Hydro
220	NEB Ex. A81182-34	Community Health and Well-Being	Continuing to address concerns related to EMF and providing factual, science-based information to concerned individuals and organizations.	Regulatory / Environmental Team	All Phases	On-going	Construction is complete. This commitment will continue for the operational life of the project.

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221	NEB Ex. A81182-34	Community Health and Well-Being	The final detailed Project design will take into account standards for setbacks and overhead clearance, including CSA standards such as CAN/CSA-C22.3 No. 1 10 "Overhead Systems" and CAN/CSA 22.3 No. 60826-10 "Design Criteria for Overhead Transmission Lines".	Transmission Design Team	Pre-construction	Complete	
222	NEB Ex. A81182-34	Community Health and Well-Being	Contractor will be restricted to established roads and trails, and cleared construction areas in accordance with the Access Management Plan.	Construction Team	Construction	Complete	
223	NEB Ex. A81182-34	Community Health and Well-Being	Applying applicable buffers and setbacks during clearing activities for bird nesting and breeding sites.	Regulatory / Environmental Team	Construction	Complete	
224	NEB Ex. A81182-34	Community Health and Well-Being	Bypass trails, sensitive sites and buffer areas will be clearly marked prior to clearing.	Regulatory / Environmental Team	Construction	Complete	
225	NEB Ex. A81182-34	Community Health and Well-Being	Clearing within environmentally sensitive areas will be conducted in a manner that limits disturbance to existing organic soil layer.	Construction Team	Construction	Complete	
226	NEB Ex. A81182-34	Community Health and Well-Being	In situations where the ROW does not have completely frozen or have dry ground conditions alternate mitigation such as construction mats may be used.	Construction Team	Construction	Complete	
227	NEB Ex. A81182-34	Community Health and Well-Being	Installing bird diverters on skywires in areas of high collision risk potential.	Regulatory / Environmental Team	Construction	Complete	
228	NEB Ex. A81182-34	Community Health and Well-Being	Manitoba Hydro will consider non-chemical vegetation management in clearly identified sensitive sites that contain plants that are of importance to Aboriginal harvesters.	Transmission Line Maintenance Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
229	NEB Ex. A81182-34	Community Health and Well-Being	There will be no herbicides used in the clearing phase of construction.	Construction Team	Construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
230	NEB Ex. A81182-34	Community Health and Well-Being	Where access to agricultural land is necessary, Manitoba Hydro employees and contractors will follow the Project Biosecurity Plan during Construction and the Transmission Business Unit's Agricultural Biosecurity Standard Operating Procedures during operations.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
231	NEB Ex. A81182-34	Community Health and Well-Being	Manitoba Hydro will prepare Erosion Protection and Sediment Control Plans, which will be implemented by the Contractor.	Regulatory / Environmental and Construction Teams	Construction	Complete	
232	NEB Ex. A81182-34	Community Health and Well-Being	The Contractor will be responsible for implementing the Erosion Protection and Sediment Control Plan with procedures to be put in place prior to commencement of applicable construction activities.	Construction Team	Construction	Complete	
233	NEB Ex. A81182-34	Community Health and Well-Being	Through ongoing engagement processes notifications to interested First Nations and the MMF advising on when/where construction is occurring.	FNMEP Team	Construction	Complete	
234	NEB Ex. A81182-34	Community Health and Well-Being	Locations of equipment cleaning sites (when not contained within station boundaries) will be recorded and monitored during the following growing season as part of Invasive Species control in accordance with Rehabilitation and Invasive Species Management Plan.	Regulatory / Environmental Team	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
235	NEB Ex. A81182-34	Community Health and Well-Being	Invasive Species control along access roads and trails, borrow pits, quarries, construction camps, marshalling yards will be in accordance with Rehabilitation and Invasive Species Management Plan.	Regulatory / Environmental Team	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
236	NEB Ex. A81182-34	Community Health and Well-Being	Communicate and share resources on human health findings with local residents to reduce perceived risks related to EMF exposure and other environmental exposures, such as industrial odours, noise and air pollution.	Public Engagement Team	Pre-construction	Complete	Provided on as requested basis and via website.
237	NEB Ex. A81182-34	Community Health and Well-Being	Group transportation (e.g., buses, crew vans) will be used to transport workers between camps and the worksites, and between temporary accommodations in nearby communities and the worksites.	Construction Team	Construction	Complete	Following direction of Public Health official related to controlling the spread of COVID-19, group transportation is not advised as physical distancing measures to prevent virus spread have been implemented.

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238	NEB Ex. A81182-34	Community Health and Well-Being	Coordinate with local agencies (including RCMP, Emergency Preparedness, hospitals, and air ambulances) on emergency response plans.	Construction Team	Construction	Complete	
239	NEB Ex. A81182-34	Community Health and Well-Being	Fire suppression systems will be maintained at construction sites and camps.	Construction Team	Construction	Complete	
240	NEB Ex. A81182-34	Community Health and Well-Being	Project personnel will be made aware of the Emergency Response Plan and designated staff will receive Emergency Response Plan training. Among other elements, the plan will address handling and storage of materials, driving safety, animal encounters, emergency response communications, spill response, personnel injury response and vehicle accidents. The plan will describe response measures for major medical emergencies and include procedures for emergency response coordination with local emergency response personnel and local medical facilities.	Construction and Transmission Line Maintenance Teams	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
241	NEB Ex. A81182-34	Community Health and Well-Being	Provide first aid supplies and facilities, and trained first aid personnel to deal with minor injuries.	Construction Team	Construction	Complete	
242	NEB Ex. A81182-34	Community Health and Well-Being	Liaise with the Southern Health RHA about the possibility of coordinating primary care services with the mobile clinic around Stuartburn and Piney.	Construction Team	Pre-construction	Complete	
243	NEB Ex. A81182-34	Community Health and Well-Being	Share Project information, including workforce information and accommodation requirements, with local governments, service providers, and businesses, as appropriate, so they are aware of anticipated Project-related demands, allowing them to identify and address potential service gaps or issues.	Public Engagement Team	Pre-construction	Complete	
244	NEB Ex. A81182-34	Community Health and Well-Being	Conducting construction activities as per applicable noise bylaws.	Construction Team	Construction	Complete	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
245	NEB Ex. A81182-34	Community Health and Well-Being	Engage and share Project information with local residents and First Nation and Metis engagement processes so they are aware of future Manitoba Hydro projects.	Public Engagement and FNMEP Teams	Pre-construction	Complete	Manitoba Hydro will continue to engage and share Project information with local residents and First Nation and Metis engagement processes so they are aware of future Manitoba Hydro projects
246	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro has committed that it will meet the specifications as outlined in ISO 14001, as well as the regulatory system and any other voluntary initiatives to which Manitoba Hydro has enrolled.	Property and Corporate Environment Department	All Phases	On-going	This commitment will continue for the operational life of the project.
247	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro has committed to annual reports for MMTP, and Manitoba Hydro has committed to make those publicly available on the project website.	Regulatory / Environmental Team	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
248	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will notify communities if a spill would occur within a traditional gathering area that was identified in our environmental protection plan.	Regulatory / Environmental Team	Construction; Operations & Maintenance	Monitoring	Construction is complete. This commitment will continue for the operational life of the project.
249	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Create an Indigenous community monitoring working group.	FNMEP Team	Pre-construction	Complete	
250	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Develop an Operations and Maintenance EPP prior to in-service phase.	Regulatory / Environmental Team	Pre-construction; Construction	Complete	
251	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	A copy of the EPP (operational) will be shared with the ongoing First Nations and Metis engagement process prior to in-service phase.	FNMEP Team	Construction	Complete	
252	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will take steps to minimize the impact that smoke from slash burning may have on landowners, and specifically landowner residences.	Regulatory / Environmental Team	Construction	No Longer Applicable	Burning will not be used as a debris disposal method as per Clearing Management Plan.

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253	NEB Ex. A91072-4	Vegetation and Wetlands	Observations of species at risk collected to date have been shared with the Manitoba Conservation Data Centre and will continue to be shared annually as monitoring programs gather data.	Regulatory / Environmental Team	Construction; Operations & Maintenance	Complete	Ongoing annual action.
254	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Additional data will be collected in gap areas of higher concern (e.g., potential candidate protected areas and rare plant locations) in the PDA (Project Development Area) prior to construction. Should any sensitive areas be found, mitigative measures will be applied. Sensitive areas found on the ROW will be flagged for avoidance and if previously unidentified species or ecosystems of concern are encountered, they will be noted for <u>potential additional mitigation</u> .	Regulatory / Environmental Team	Pre-construction; Construction	Complete	Environmental surveys completed in August 2018 and August 2019 by vegetation specialist. Appropriate buffers were applied in the Construction Environmental Protection Plan.
255	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Manitoba Hydro will add potential bear den identification descriptions including open ground nests as part of a bear den discovery protocol to its Construction Environmental Protection Plan and the Environmental <u>Monitoring Plan</u> .	Regulatory / Environmental Team	Pre-Construction	Complete	
256	NEB Ex. A91072-3	Wildlife and Wildlife Habitat	During construction, Manitoba Hydro does not foresee any additional risks to Peregrine Falcons, however, as per the Construction Environmental Protection Plan, environmental staff working on the project will monitor for bird interactions with construction activities and report any mortalities to Manitoba Sustainable Development.	Regulatory / Environmental Team	Construction	Complete	
257	NEB Ex. A91072-3	Wildlife and Wildlife Habitat	Manitoba Hydro will evaluate GPS data of falcon movements acquired through the above PhD study of birds released at Parklands Mews and discuss potential strategies with Parkland Mews to mitigate the close proximity of the breeding site with the project that could include bird <u>diverters and perch deterrents</u> .	Regulatory / Environmental Team	Pre-construction	Complete	Discussions with Parklands Mews will continue through the course of Project monitoring
258	NEB Ex. A91072-4	Vegetation and Wetlands	Manitoba Hydro will compensate for relocation, compensate for loss or will work with the landowner to determine other options to maintain woodlot and shelterbelt where possible.	Property Team	Pre-construction	On-going	Provincial License Clause 21
259	NEB Ex. A91072-4	Vegetation and Wetlands	Manitoba Hydro will consult with Manitoba Wildlife and Fisheries Branch to identify potential tall grass prairie along the Final Preferred Route PDA for potential inspection and further mitigation.	Regulatory / Environmental Team	Pre-construction	Complete	
260	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Manitoba Hydro will expand its proposed Amphibian monitoring program to include eastern tiger salamander. Manitoba Hydro will share any observations of eastern tiger salamander with the Manitoba Conservation Data Centre.	Regulatory / Environmental Team	All Phases	Complete	Monitoring program updated

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261	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	The Environmental Monitoring Plan will be revised to further outline Manitoba Hydro's adaptive management approach including decision triggers and actions.	Regulatory / Environmental Team	Pre-construction	Complete	
262	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Manitoba Hydro is committed to conducting surveys and a monitoring plan for northern leopard frogs to ensure cooperation and compliance with the Federal Species at Risk Act. However, in light of recommendations provided here by Manitoba Sustainable Development Manitoba Hydro will expand this northern leopard frog monitoring program to also include eastern tiger salamanders. These surveys will consist of visual encounter surveys at suitable wetland sites. In total, two years of baseline data will be collected prior to construction.	Regulatory / Environmental Team	All Phases	On-going	Will recommence Spring 2021.
263	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Manitoba Hydro will update Section 4.4.7 of Appendix 22C to further describe the distribution/occurrence mapping survey and camera trap surveys conducted pre/during/post construction. This update will describe not only ungulates but also predators such as wolves and coyotes.	Regulatory / Environmental Team	Pre-construction	Complete	
264	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Mineral lick surveys should be conducted in spring/early summer, not fall. Manitoba Hydro will correct this in the final version of the Environmental Monitoring Plan to reflect a spring/early summer survey period for mineral lick surveys.	Regulatory / Environmental Team	Pre-construction	Complete	
265	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Manitoba Hydro notes this request and will modify the heading for Section 7.3.3.3 to be "Ungulates and Bears" in the final Environmental Monitoring Plan.	Regulatory / Environmental Team	Pre-construction	Complete	
266	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	This monitoring will be conducted using a before-after study design approach and will utilize both individual animal counts and tracks, with two years of baseline aerial survey data collected in 2015 and 2016. The Environmental Monitoring Plan will be revised to further illustrate and explain this methodology.	Regulatory / Environmental Team	Pre-construction	Complete	The referenced IR is specific to White Tailed Deer.
267	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	The updated Environmental Monitoring Plan will describe the continued baseline data collection efforts along with analysis methodology illustrating how Manitoba Hydro will incorporate "control" areas.	Regulatory / Environmental Team	All Phases	Complete	

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268	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	To verify environmental assessment predictions regarding change in habitat availability and mortality risk and to evaluate the effectiveness of mitigation for wildlife and wildlife habitat, including elk, monitoring programs will be implemented over the Project's pre-construction, construction and operation and maintenance phases. These monitoring programs are consistent with those used in previous and current Manitoba Hydro transmission projects, including the recently licensed Bipole III Transmission Project. The implementation of these monitoring programs will help determine if and when elk interact with the project, and allow for the execution of adaptive management actions, if they are deemed necessary.	Regulatory / Environmental Team	All Phases	On-going	
269	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Mitigation for black bears will be among the items detailed in the Construction Environmental Protection Plan. It will include contacting Manitoba Sustainable Development as soon as possible when a bear den is identified; establishing a 150m buffer around identified bear dens within which no machinery with potential to disturb a bear may operate; flagging to mark the perimeter; and, monitoring the site to ensure that project related disturbances do not resume until after the den has been vacated.	Regulatory / Environmental Team	Pre-Construction	Complete	
270	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Wildlife staff may be conducting flights in the same area on concurrent days; therefore; communication on plans will help to ensure the safety of our respective staff. Manitoba Hydro is interested in building and maintaining good communication with the Wildlife Branch as it relates to project monitoring and will make efforts to advise when aircraft will be used for project monitoring.	Regulatory / Environmental Team	Construction; Operations & Maintenance	On-going	Construction is complete. This commitment will continue for the operational life of the project.
271	NEB Ex. A91072-4	Access Management	Manitoba Hydro will implement decommissioning strategies seasonally during construction as described in response to MCWS_MH-I-120 along with currently planning to only to utilize existing or previously used roads and trails for temporary construction access routes.	Regulatory / environmental Team	Construction	Complete	
272	NEB Ex. A91072-5	Access Management	Manitoba Hydro will conduct terrain analysis to identify "Potential By-pass Trail Areas" and illustrate those areas in the revised Access Management Plan for approval. New access routes and unidentified by-pass trails on Crown Land will be submitted to the local IRMT for review and approval.	Regulatory / Environmental Team	Construction	Complete	See Access Management Plan submitted to NEB per Condition #10
273	NEB Ex. A91072-5	Access Management	Manitoba Hydro will incorporate the proposed changes into the final version of the Construction Access Management Plan. * See MCWS/MH-I-127 for list of proposed changes.	Regulatory / Environmental Team	Pre-construction	Complete	

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274	NEB Ex. A91072-5	Access Management	Manitoba Hydro will engage with landowners and Manitoba Sustainable Development on private and crown land respectively to develop and implement access route decommissioning and rehabilitation prescriptions for each of its access routes where applicable. This will be conducted on a seasonal basis during in the spring of 2019 and at the end of construction during the spring of 2020 for access routes not required for operations and maintenance. Those access routes required for operations and maintenance on crown land will be reviewed with the local IRMT and incorporated into an "Operations and Maintenance Access Management Plan".	Regulatory / Environmental Team	Construction; Operations & Maintenance	Complete	Construction is complete.
275	NEB Ex. A91072-5	Access Management	Manitoba Hydro will expand Section 5.0 Operations and Maintenance Access Management Plan Development with the following text: (See MCWS/MH-I-129 for specific text)	Regulatory / Environmental Team	Pre-construction	Complete	
276	NEB Ex. A91072-5	Vegetation and Wetlands	Manitoba Hydro will work with the landowner to clear and pile the timber off the right of way for his ongoing use.	Construction Team	Construction	Complete	
277	NEB Ex. A91072-5	Vegetation and Wetlands	The remaining area of right-of-way on the landowner's property may be selectively cleared of tree species to retain the existing fruit bearing shrubs where feasible.	Regulatory / Environmental Team	Construction; Operations & Maintenance	Complete	
278	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	If elk are identified to interact with the Project area during the preconstruction, construction, operation and maintenance phases, Manitoba Hydro commits to immediately providing this information to Manitoba Sustainable Development and then jointly identifying what, if any, mitigation measures should be implemented as a part of adaptive management. These could include altering, changing or removing human access points, adjusting vegetation management schedules or prescriptions, adjusting transmission line inspection and maintenance schedules and adjustments to elk monitoring activities.	Regulatory / Environmental Team	All Phases	On-going	
279	NEB Ex. A91072-4	Wildlife and Wildlife Habitat	Manitoba Sustainable Development wildlife staff may have an opportunity to join in planned field trips if tour participants welcome their involvement.	Regulatory / Environmental Team	All Phases	On-going	

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280	NEB Ex. A92478-2	p 29 , I. Land Negotiation Concerns	Prior to construction, Manitoba Hydro will prepare a draft letter for landowners affected by the new ROW summarizing its commitments, the concerns that were heard and details about future steps and communications. Once landowners have had the opportunity to review the draft letters, Manitoba Hydro will seek to gain additional feedback on whether they have any new or additional concerns to note. Site visits will occur on request or as needed, and will be completed by Manitoba Hydro to learn about site specific features of concern and discuss mitigation measures. Manitoba Hydro will then provide final letters summarizing its commitments to landowners prior to commencing construction on their lands.	Public Engagement Team	Pre-construction	Complete	
281	NEB Ex. A92624-1	Employment and Economy	"...included in the MMTP transmission construction tender[s]..., a minimum of 20 percent of the value of the transmission...contract will consist of Indigenous content..." ... Included in the contract is incentives to allow the contractor to supply up to 30 percent of Indigenous content and get additional scoring points for having more Indigenous content.	Construction Team	Construction	Complete; see related subset commitment 315	
282	N/A	International Boundary Commission	The work shall be carried out in compliance with your letter of application.	Construction Team	Construction	Complete	
283	N/A	International Boundary Commission	No international boundary monuments shall be damaged, disturbed, or endangered by the work.	Construction Team	All Phases	Complete	
284	N/A	International Boundary Commission	No objects or structures shall be placed within 3 meters (10 feet) of the international boundary line other than stated in the submittal package dated July 26, 2018.	Construction Team	Construction	Complete	
285	N/A	International Boundary Commission	All necessary approvals relating to the proposed work shall be obtained from the appropriate state, federal and provincial authorities.	Project Management Team	All Phases	Complete	
286	NEB Ex. A81054-1	Application for Authorizations Related to the Manitoba-Minnesota Transmission Project	To ensure reliability of service and to avoid potential adverse impacts on the bulk power system, Manitoba Hydro will: (i) coordinate the scheduling of the outages with directly affected Canadian and U.S. transmission owners and operators.	System Planning Team	Construction	Complete	

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287	NEB Ex. A81054-1	Application for Authorizations Related to the Manitoba-Minnesota Transmission Project	To ensure reliability of service and to avoid potential adverse impacts on the bulk power system, Manitoba Hydro will: ... (ii) perform operating studies in accordance with applicable NERC standards.	System Planning Team	Construction	Complete	
288	NEB Ex. A81054-1	Application for Authorizations Related to the Manitoba-Minnesota Transmission Project	To ensure reliability of service and to avoid potential adverse impacts on the bulk power system, Manitoba Hydro will: ... (iii) provide notice of the outages to its Reliability Coordinator and affected operators pursuant to applicable NERC standards.	System Planning Team	Construction	Complete	
289	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will publish any ISO 14001 audit findings related to MMTP in the annual monitoring report.	Property and Corporate Environment Department	Construction; Operations & Maintenance	Scoping	ISO audit scheduled for spring of 2021.
290	NEB Ex. A81054-21		Manitoba Hydro will secure all required permits and approvals for the project.	Project Management Team	All Phases	Complete	
291	https://www.mmtponitoring.com/	MMTP Monitoring Committee meeting minutes	Manitoba Hydro will support the MMTP Monitoring Committee to form a Hiring Subcommittee with the goal of recommending a process for hiring monitors for construction of the project.	FNMEP Team	Construction	Complete	
292	https://www.mmtponitoring.com/	MMTP Monitoring Committee meeting minutes	Manitoba Hydro will support the MMTP Monitoring Committee web page.	FNMEP Team	Operations & Maintenance	On-going	The MMTP Monitoring Committee web page is updated on an ongoing basis: www.mmtponitoring.com
293	https://www.mmtponitoring.com/	MMTP Monitoring Committee meeting minutes	Manitoba Hydro will support the MMTP Monitoring Committee terms of reference prepared in 2017.	FNMEP Team	Operations & Maintenance	On-going	
294	https://www.mmtponitoring.com/	MMTP Monitoring Committee meeting minutes	Manitoba Hydro will support the MMTP Monitoring Committee in their motion to "put forward the position that the group would prefer to have a separate [monitoring] group focused on Indigenous participants" as per the Committee resolution.	FNMEP Team	All Phases	Complete	
295	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will work with Indigenous communities to determine their communication preferences. Dedicated community liaisons will engage with communities to answer questions and keep groups updated throughout the construction process.	FNMEP Team	Construction	Complete	Information continues to be shared according to community preferences.

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296	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will notify communities if a spill would occur within a traditional gathering area that was identified in the environmental protection plan, or that a community made us aware of.	FNMEP Team	Construction; Operations & Maintenance	Monitoring	This commitment will continue for the operational life of the project.
297	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will provide notification of planned herbicide use to Metis, First Nations, and public users of the right-of-way.	FNMEP Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
298	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Herbicides will not be used in known areas of berry or other vegetation harvesting.	FNMEP Team	Operations & Maintenance	On-going	This commitment will continue for the operational life of the project.
299	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will apply construction techniques that will limit effects on plant-harvesting resources.	FNMEP Team	Construction	Complete	
300	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will continue to engage First Nations and Metis (through the MMF) regarding concerns and recommendations in the planning process.	FNMEP Team	All Phases	On-going	Manitoba Hydro is continuing to engage First Nations and the Metis (through the MMF) regarding concerns, monitor updates, and plans for meeting conditions. This commitment will continue for the operational life of the project.
301	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will work through the Indigenous community monitoring working group (the MMTP Monitoring Committee), as a mechanism by which we can honour feedback heard from Indigenous communities and bring it back into our adaptive management process.	FNMEP Team	Operations & Maintenance	On-going	
302	NEB Ex. A84536-22	Clean Environment Commission Hearing Transcripts	Manitoba Hydro will consider and modify operations in geographically specific locations that are identified either already, by communities that we have heard from, or new sites that are potentially identified by the MMTP Monitoring Committee, or by Manitoba Hydro staff as they conduct preconstruction surveys, or by the Conservation Data Centre.	FNMEP Team	Operations & Maintenance	On-going	
303	NEB Ex. A92478-2	Reply Evidence of Manitoba Hydro dated June 13, 2018	In addition, the MMTP Monitoring Committee will remain in place through Project construction which is anticipated to last 2 years after all Project approvals are obtained. Participation in the operation phase of the Project will be commensurate with the nature of activities occurring during this time.	FNMEP Team	Operations & Maintenance	On-going	

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
304	NEB Ex. A92662-1	Final Written Submissions of Manitoba Hydro filed June 22, 2018	Manitoba Hydro has offered to meet further with the MMF to further review the Environmental Protection program, further discuss MMF concerns and potential mitigation measures and further clarify specific sites identified by the MMF as important.	FNMEP Team	All Phases	On-going	
305	NEB Ex. A92662-1	Final Written Submissions of Manitoba Hydro filed June 22, 2018	Manitoba Hydro has also committed to ongoing engagement throughout the construction and operational phases of the MMTP, which includes the protection of Environmentally Sensitive Sites ("ESS") through the Environmental Protection Plan for the MMTP, the involvement of Indigenous communities on the MMTP Monitoring Committee and the consideration of input from ongoing Aboriginal Traditional Knowledge ("ATK") Studies	FNMEP Team	All Phases	On-going	The next round of Indigenous monitoring is scheduled for May, 2021.
306	NEB Ex. A92478-2	Reply Evidence of Manitoba Hydro dated June 13, 2018	Where an Indigenous group is interested in in-person updates, Manitoba Hydro has committed to continuing the MMTP Monitoring Committee where ongoing updates will be provided by and to Committee participants as well as updates through ongoing FNMEP communications. These communications will include updates to matters such as: (a) construction progress; (b) a summary of events resulting in environmental improvement or stop work orders to contractors as a result of non-compliance with its environmental protection and management plans; (c) environmental monitoring initiatives; (d) employment updates; and (e) herbicide application events.	FNMEP Team	All Phases	On-going	Manitoba Hydro has recognized that staff and leadership in many communities are currently focused on managing issues related to COVID-19. Given these unusual circumstances, Manitoba Hydro has reached out to confirm that it remains committed to ongoing engagement and is prepared to support engagement preferences from individual nations and their representatives in a manner that maintains safety for all involved.
307	NEB Ex. A92478-2	Reply Evidence of Manitoba Hydro dated June 13, 2018	Information will be shared on an independent webpage, managed by MMTP Monitoring Committee participants, including First Nations, the MMF, Committee monitors and Manitoba Hydro. This webpage may contain items such as: (a) information related to monitoring and adaptive management; (b) approved minutes of the Committee; (c) links to environmental protection planning documents, as further described in paragraph 118 below; (d) audits; and (e) links to Manitoba Hydro's commitment tracking table.	FNMEP Team	All Phases	On-going	The MMTP Monitoring Committee web page is updated on an ongoing basis: www.mmtppmonitoring.com
308	NEB Ex. A92478-2	Reply Evidence of Manitoba Hydro dated June 13, 2018	Indigenous communities that have not yet participated in the MMTP Monitoring Committee remain welcome to participate going forward.	FNMEP Team	All Phases	On-going	Information continues to be shared with all FNMEP communities regarding the Project.

Commitment ID	Link to Document	Source Description	Commitment	Accountable Lead / Team	Phase the Commitment will be Completed	Commitment Status	Comments
309	NEB Ex. A92478-2	Reply Evidence of Manitoba Hydro dated June 13, 2018	Manitoba Hydro intends to continue to work with Indigenous communities and organizations to further identify specific sites that support traditional gathering activities could further reduce this number (Manitoba Hydro estimates that of the Crown land along the new ROW for the D604I transmission line, only 30% would be a candidate for potential foliar herbicide use in vegetation management. This is after consideration of buffers from wetlands and waterways, ESS sites currently known to Manitoba Hydro and the ability to access the area in summer months.).	FNMEP Team	All Phases	On-going	
310	NEB Ex. A92478-2	Reply Evidence of Manitoba Hydro dated June 13, 2018	Cultural awareness training will be provided to Manitoba Hydro field staff and any construction workers on the Project. Project field staff and contractors will be required to conduct Indigenous awareness training, harassment-free workplace training and cultural and heritage resource protection training with all of its site personnel as part of its pre-job orientation.	Construction Team	Pre-construction	Complete	
311	NEB Exhibit C00033-10	Cultural and heritage resources protection plan	Manitoba Hydro will continue to invite the 25 First Nations, the MMF and Indigenous organizations engaged in the project to participate in the archaeological pre-construction monitoring fieldwork.	FNMEP Team	Pre-construction	Complete	
312	NEB Exhibit C00033-10	Cultural and heritage resources protection plan	Manitoba Hydro will not disturb or remove human remains from their original resting place unless removal is unavoidable and necessary and only by approved authorities or qualified archaeologists.	FNMEP Team	All Phases	Monitoring	This commitment will continue for the operational life of the project.
313	NEB Exhibit C00033-10	Cultural and heritage resources protection plan	Manitoba Hydro will treat information shared by Indigenous communities regarding burial sites, sacred sites and other sites used for cultural and ceremonial purposes as confidential and may only be shared with the Province or other authorities if agreed upon by the community to which the resource is associated. Specific information regarding details or locational information of these cultural or ceremonial sites will not be included in the recording or reporting processes nor included in the HRB's site database.	FNMEP Team	All Phases	On-going	This commitment will continue for the operational life of the project.
314	N/A	Landowner Advisory Committee meeting July 10, 2019	Manitoba Hydro committed to support the committee (Landowner Advisory Committee) should it form, or an ongoing less formal group of landowners should that be the desired structure.	Engagement Team	All Phases	On-going	
315	NEB Exhibit A91175-1	Employment and Economy	The construction tenders will stipulate that each proposal includes a minimum of 20 percent Indigenous content. This means that a bid that includes less than 20 percent Indigenous content (Indigenous content is the sum of purchases from Indigenous suppliers, contracts with Indigenous subcontractors, and direct employment of Indigenous people) will be considered non-compliant. Manitoba Hydro will stipulate that the 20 percent shall be made up of 10 percent First Nation content and 10 percent Metis content.	Construction Team	Construction	Subset of commitment 281	