

Canadian Environmental Assessment Agency

Prairie Regional Office 101 - 167 Lombard Avenue Winnipeg, Manitoba R3B 0T6

Agence canadienne d'évaluation environnementale

Bureau de la Région des Prairies 167, avenue Lombard, bureau 101 Winnipeg (Manitoba) R3B 0T6

December 28, 2012

CEAA File No.: 004554 MCWS File No.: 5550.00

Mr. Darrell Ouimet Environmental Approvals Branch Manitoba Conservation and Water Stewardship Suite 160, 123 Main Street Winnipeg, MB R3C 1A5

SUBJECT: Keeyask Generation Project

Review of Responses to Requests for Additional Information

Dear Mr. Ouimet:

Federal Disposition on the Additional Environmental Impact Statement Information

The Canadian Environmental Assessment Agency (the Agency) has concluded the federal review of the "Responses to Requests for Additional Information" Keeyask Generation Project Environmental Impact Statement submitted by the Keeyask Hydro Power Limited Partnership (the Partnership). The Agency received comments from Fisheries and Oceans Canada, Transport Canada, Environment Canada, Health Canada and Natural Resources Canada. The federal comments provide feedback to the Partnership regarding the status of the initial federal Supplementary Information Requests (SIRs) and whether the Partnership's responses address the initial comments. The Agency has consolidated the federal comments received into the Excel spreadsheet developed during the initial EIS review. The status of each federal comment is noted in the "disposition" column.

The Agency understands that Manitoba Conservation and Water Stewardship will continue to provide direction to the Partnership with respect to preparing and communicating its response to the cooperative EIS review. In the interim, the Agency will forward a copy of the spreadsheet to directly to the Partnership for its consideration. The Agency requests that Manitoba Conservation and Water Stewardship direct the Partnership to respond to the second round of federal SIRs within the attached spreadsheet. If required, additional detailed information could be provided in a separate attachment. A response from the Partnership is required to facilitate the ongoing federal review and development of the comprehensive study report.

Federal Review Comments on the Keeyask Transmission Project Environmental Assessment Report submitted by Manitoba Hydro

As you are aware, the Environmental Assessment Report (EAR) for the Keeyask Transmission Project was submitted to the Agency in November, 2012. The federal review team was asked to provide technical review comments on the Keeyask Transmission Project EAR. The Agency has compiled those comments into a separate Excel spreadsheet for your consideration within the provincial review process. The Agency will also forward a copy of the federal comments directly to Manitoba Hydro for its consideration.

The Agency recognizes that Manitoba Conservation and Water Stewardship will also provide guidance to Manitoba Hydro with regard to organizing and communicating its response. The Agency requests that Manitoba Hydro responses to the federal comments be integrated into this spreadsheet to facilitate issues management. If required, any additional detailed information could be provided in a separate attachment or EAR addendum.

As environmental effects of the Keeyask Transmission Project are being considered within the federal environmental assessment of the Keeyask Generation Project, Manitoba Hydro's response is required to facilitate the ongoing federal review and development of the comprehensive study report.

Comments from Aboriginal Groups and the Public

On November 21, 2012, the Agency invited the public and Aboriginal groups to comment on the potential environmental effects of the Keeyask Generation Project and the proposed measures to prevent or mitigate those effects as described in an Environmental Effects Summary document. The Environmental Effects Summary document is based on the EIS for the Keeyask Generation Project submitted by the Partnership in July 2012 and the Environmental Assessment Report for the Keeyask Transmission Project submitted by Manitoba Hydro in November 2012.

The Agency received comments from Pimicikamik Okimawin and Peguis First Nation, which have been enclosed for your consideration. The Agency is reviewing the comments received in the context of the federal comprehensive study and considering whether additional information will be required. The Agency will provide the Partnership with additional direction related to these comments in early January.

If you have any questions concerning the federal review of the Keeyask Generation Project, please contact me at 204-983-7997 or by email at iim.morrell@ceaa-acee.gc.ca.

Sincerely,

Jim P. Morreli Project Manager

Enci,

c.c.: Darryl Chudobiak, DFO

Krista Flood, EC Rick Grabowecky, HC Regent Dickey, MPMO Jo-Anne Foy, TC Lynne Quinnett-Abbott, EC Sandra Slogan, HC Kate Cavaliaro, NRCan

EAR Federal Review Comments

Keeyask Transmission Project

Comment	Department	Department Volume / Document	Figure Number / Table Number /	Page	Topic	Context / Framore e.g., provide applicable background/rationale for providing the comment	
	ig A	Environmental Section 7.0 Effs.	Eaction 7 0 Effects Assessment and Mitigation	ŗ.	Environmental Effects Assessment	The EAR is lacking a discussion and analysis on the effects of the environment on the Project.	EAA requests that the proponent undertake an assessment of the effects of the environment on the Project (e.g., severe weather events). For guidance on preparing "1 assessment the oroponent may wish to refer to the Environmental impact 10 tement Guidelines for the Kaevask Generation Project prepared by the Canadian Environmental Assessment Agency in March 2012.
ı	ñ	Environmental Assessment Report	Section 2.7.2 and Section 7 2.3.1	p. 2-27, and 3p. 7-15 to 7- 16	Roise thuman health mpacts)	Section 2.7.2 Lindicates that Maintoba Hydro applies a design guideline maximum for audible noise of 50 dBA. In the edge of the right of way, and that noise levels are estimated to be in the range of 39.2 to 41.00 dBA. Additionally, Section 7.2.3.1 indicates that audible noise emissions due to corona discharges from ranke of 15.93 dBA. In the control of 15.93 dBA. The control of 15.93 dBA in the control of	HC advises that potential seasonal or permanent receptors be identified in the EAR. Should any receptors be identified in close proximity to the project features, a noise impact assessment (INIA) would be advised. NIAs typically include information on the tensitive receptors, baseline sounds levels, noise source identification, modeling, and as appropriate noise management and monitoring including complaint resolution. Please consult HC's guidance document entitled "Useful Information for Environmental Assessments" for additional information on the assessment of noise effects at http://www.hc-sc-gc.ca/ewh-semt/pubs/eval/environ_assess-eval/index-eng.php.
-	8	nTP - EA Report	2.5.3 - Access Roads and Construction Camps 2.5.4 - Transmission Line ROW Clearing and Transmission Line Construction 4.1.1 - Terrain and Soils 4.1.2 - Groundwater 7.2.1 - Terrain and Soils 4.1.3 - Groundwater 7.2.1 - Terrain and Soils 4.1.5 - Groundwater 7.2.1 - Terrain and Soils 4.1.6 - Groundwater 7.2.1 - Terrain and Cularius 5.4.2 - Blasting Plans 5.4.2 - Blasting Plans	2-17 2-18 4-1 4-3 7-4	Porrow Materials	Throughout the report and Appendix F it is mentioned that borrow materials will be used in the construction of the access roads and other construction areas, however the report does not clarify whether the Proponent plans to characterize the blast rocks, quarry, and borrow pit materials to ensure they do not generate acid.	EC requests that the Proponent confirm that any material used for the construction of access roads, the construction of the foot print of the towers or any other use, does not have the potential to generate acid.

In particular the following recommendations as spanial guidelines for industry to protect the great majority of mytory bits shifts assume the particulars of development extends on the landscape. However the own at minimum with the proposent to comply with the legislation. "O minimum disturbance to breading impartory brids in the done of extrinction activate in dr. registrooms of the majority of mytory brids are stating for externation in the board extrinction activate in dr. registroom clearing and minimum the process and at minimum the period by the stating to process and the stating to process and the stating to the stating t	iduce that shad free destination and substitution and substitution and substitution and substitution and substitution and substitution activity certains and substitution activity. 37-241 SC1 annotate ancibuses a product on of regardery bears and substitution activity certains activities. Activities and substitution activities activities activities. Activities and substitution activities activities activities. Activities activities activities activities ac
	will include the month of Augustin I

i.i.d. in nonvolual has a priori knowledge of an active nest, at any time during the year, it must be protected with a suitable species-appropriate buffer until the young have fiedged. With raspect to setback distances "com the nests of non-Species-at-Risk Migratory Birds, EC recommends a minimum of 30 m for songbirds, and "ICOm for vialenthinds attractive to oregoing migratory at roots (e.g., took containing water) should not be "chared/destroyed at minimum between April 1 and August 31. Canda geese and fulliands may nest early and proods of waterfowl and waterbird species are dependent upon wetlands throughout August and beyond.	The proponent has indicated that there will be permanent righting at station sites. C) requests that the Proponent discuss plant regarding lighting management on could also be given to turning these rights off at night during migration, and during bad weather.	1.1.7 Amphibians and Reptiles: 1.1.8 Birds; 1.24 1.1.9 Birds; 1.25 1.1.9 Birds; 1.26 1.27 EA Report And Reptiles: 1.27 Amphibians and Reptiles: 1.28 Issists the Common Nighthawk, Olive-sided Flycatiner, Rusty Blackbord. Snort-sared Owl, Northern EC requests that the Proponent confirm whether they intend to Nave and Leopard Frog. Little Brown Myotis, and Wolverine as species that have been identified in the project area. In environmental monitor on site during construction activities and the serbacks and Volverine as species that have been identified in the project area. It imming restrictions that will be used to avoid the nexts of species at risk in the project area. 7.1.0 Birds; 7.1.1 Amphibians and Reptiles; 1.1.2 Amphibians and Reptiles; 1.1.3 Dipacies at risk in the Common Nighthawk, and Wolverine as species that have been identified in the project area. It imming restrictions that will be used to avoid the nexts of species at risk in the project area. 7.1.1 Amphibians and Reptiles; 1.1.2 Amphibians and Reptiles; 1.1.3 Birds; 1.2.4 Lapard Frog. Little Brown Myotis, and Wolverine as species that have been identified in the project area. It imming restrictions that will be used to avoid the nexts of species at risk in the project area. 7.1.2 Birds; 7.1.3 Birds; 7.2.10 Birds; 7.3.2 Birds; 7.3.3 Birds; 7.3.4 Lapard Frog. Little Brown Myotis, and Wolverine as species that have been identified in the project area. 7.3.4 Lapard Frog. Little Brown Myotis, and Wolverine as species that have been identified in the project area. 7.3.5 Birds; 7.3.6 Lapard Frog. Little Brown Myotis, and Wolverine as species that have been identified in the project area. 7.3.8 Birds; 7.3.9 Diplomation EC requests that have been identified in the project area. 7.3.9 Diplomation EC requests that have been identified in the project area. 7.3.10 Birds; 7.3.1 Birds; 7.3.1 Birds; 7.3.2 Birds; 7.3.2 Birds; 7.3.2 Birds; 7.3.3 Birds; 7.3.3 Birds; 7.3.3 Birds; 7.3.4 Birds; 7.3.5 Birds; 7.3.5 Birds; 7.3.6 Birds; 7.3.7 Birds; 7.3.8 Birds; 7	The federal Species or flisk Act (SARA) is directed towards preventing wildlife species from becoming extinct or ost from the wild, helping in the recovery of species that are at risk as a result of human activities, and promoting stewardship. The Act prohibits the killing, harming or harassing of listed species; the damage and destruction of their residences; and the destruction of critical habital.	4 Cont 5C recommends that an Environmental Monitor, knowledgeable in the identification of all spacies at risk that may occur in the project area, is present on site during project construction activities. In the event that spaces at risk are expected or encountered, the primary mitigation measure should be avoidance. Et refers the proponent to the Petroleum industry Activity Guidelines for Wildlife Spaces at Risk in the Prairie and Northern Region (attached). This document includes species-specific timing restrictions, seibatk distances and best management practices. Please note the following amendments not reflected in the document:	*Common nightheavk May I to August 31 200m *Horned Grabe April to August 31 100m from the high water mark of the wetland or waterbody containing the nest *Olive-sided flycatcher May I to August 31 200m *Rusty Blackbird May I to July 31 300m
	regarding I ghting management on	n whether they intend to have an important on required ruction activities and the setbacks and the nests of species at risk in the project			

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in addition to these measures, EC recommends the reduction of sight lines along the access trails, and the continual restoration of project-related cleared areas, temporary transmission right of ways, trails, etc. as they are no longer in use. EC also recommends that the proponent consider additional mitigation measures le g., mitigation of noise, light, smells, vibrations; reduction of vehicle speeds, etc.) to minimize harassment of caribou in the project area, particularly from late winter to late spring and early summer, as this will be a stressful period for all of the caribou in the project area.	5 Cont 5 Cont 5 Cont 5 Cont 5 Cont 5 Cont 6 Cacknowledges the proponent plans to implement mitigation measures including: 8 **synter construction on transmission line (outside calving period) (p. 7-72); 8 **string borrow areas to avoid calving and rearing complexes and reduce libratioss (p. 7-72); 9 **developing an Access Management Plan to reduce the effects on caribou mortality from increased access and developing an Access Management Plan to reduce the effects on caribou mortality from increased access and ecommissioning right-of-way access trails, unless required for orgoing maintenance, to minimize access-related effects of harvest and predation (p. 7-76); 9 **avoiding the use of helicopters for maintenance activities on transmission lines near calving habitat from May 15 to July 30, to reduce effects of sensory disturbance on calving females and their young (p. 7-76); and 9 **monitoring of habitat alteration, use of calving and rearing islands, movement of caribou across the widest 1 **ghts-of way, and harvest and predation effects associated with access (p. 7-30).	EC andourages the proponent to consult with Manitoba Conservation to identify any plans to manage undisturbed caribou habitat in the project area.	2C notes that the project will result in the loss and alteration of carrbou winter habital, and that while no calving and rearing islands are directly affected by the project footbrint, three islands occur with 2 km of the respected to the project footbrint, short disturbances associated with construction are expected to result in additional loss of effective winter habitat (p. 7-70), and a small loss of effective butter in calving and rearing complexes near the Construction Power Transmission in the Generation Outlet Transmission Lines, and the Generation Outlet Transmission Lines, including those in Stephens Lake (p. 7-71). Furthermore, the creation of cleared in ear comdors (transmission line rights of-way) are expected to increase both hunter and predator access to the project area (p. 7-71).	There are 6 geographically distinct populations of the forest-divieting Moodland Caribou in Canada; Northern Mountain population, Boreal copulation, Forest-T indra population, Atlantic Saspesse population, and the insular Newfoundland population. With the exception of the parren-ground Caribou, EC considers the caribou in the project area to be part of the "Sprest-tundra" occulation, which are not \$ARA-listed and have not been assessed.	"e bib describes three groupings of cambou for the Project Study area: 1. barren-ground carbou from the Qamaninjuag herd; 21 coastal canbou from the Pen Islands herd; and 3) "Summer resident caribou"
	* a			EC requests that the Proponent discuss any plans to reduce sight lines along access to sight lines along access to sight and a scuss restoration plans for project-related cleared areas, temporary transmission right of ways, trails, etc. EC also requests the Proponent discuss their plans to constit with the province.	2C requests that the Proponent discuss any plans to implement additional mit gation is measures (e.g. mit gation of noise, i.ght, smells, vibrations, reduction of vehicle coeds, etc.) to minimize harassment of car bou in the project area, particularly from a servicing and early summer.
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in addition to the proponent's commitments above, EC recommends: *that all vehicles and equipment are cleaned prior to entering the project areas; *that any areas containing notious weeds be clearly marked, so that equipment operators can easily recognize when passing through weed infested areas, and so that the spread of species from these areas can be monitored: *that equipment and vehicles are thoroughly cleaned after passing through any such area in order to avoid transporting seed to other areas; and *that any seed mixtures used contain only native species and/or non-invasive introduced plant species.	EC acknowledges the proponent's commitment on page 7-41 and 7-42 to 1) clean construction equipment and machinery recently used more than 150km from the project area prior to transport to the project area; 2) educate personnel working on the project about the importance of cleaning their vehicles, equipment and footwear before travelling to the area; 3) monitor the project area to confirm avoidance of spread of invasive plants; and 4) implement containment, eradication and/or control programs if monitoring identifies problems with invasive plants.	The construction and operation of the project may provide additional opportunities for investive species to of vehicles and equipment will be cleaned after passing through areas containing establish and spread (through dispersal of weed seeds on equipment and vehicles, or in reclamation materials (noxious weeds; and brough to the site, atc.), disrupting native plant communities. - if seed mixtures to be used contain only native species and/or non-invasive introduced plant species.	The FA Report 1.1.5.1 invasive Plants; 1-16 invasive Species pread readily along disturbance corridors and once established are virtually impossible to 55 requests that the Proponent discuss: 7-11 requests that the Proponent discuss: 7-11 requests that the Proponent discuss: 7-11 requests that the Proponent discuss of the project areas; 7-11 requests that the Proponent discuss: 9-10-10-10-10-10-10-10-10-10-10-10-10-10-	EC refers the Proponent to The Federal Policy on 'Wetland Conservation' which promotes the wise use of wetlands and elevates concerns for wetland conservation to a national level. EC recommends that the Proponent revew this document to provide further guidance on reducing impacts to wetlands.	EC recommends that the proponent take all reasonable measures to avoid wetlands, where feasible, rrespective or whether they are wet or dry, and that buffers or setbacks or ginate from the one in one nundred year mgh water mark. One nundred metre setbacks should be utilized from the edge of the proposed development or associated feature (e.g., access route) where feasible.	"etlands provide important habitat for both m gratory orids and Spaces at Risk. EC promotes the mantenance of the functions and values derived from wetlands throughout Canada, enhancement and analysis and continuing oss or degradation of wetlands have reached critical evels, no net toss of wetland functions for federal lands and waters, the recognition of wetland functions in a source planning and economic decisions, and utilization of wetlands in a manner that enhances prospects for their sustained and productive use by future generations.	2.35 (20 m), (p. 7-20) and, in Appendix F. Table 28, the proponent has also indicated that project activities will avoid (:::etlands and discuss, for those wetlands where avoidance is not possible, whatetland areas to the extent cossible.
		assing through areas containing especies and/or non-invasive	outle of information of the project areas:				ance is not possible, what nented.

Particularly 12 of prody-spaces at risk, and wathing the incursor of project area, and the success in preventing the first present calcular assumed that continued and success at risk conditions. **Confirm that districted areas will be restored to mimic native Jegeration frastriction.** **Confirm that districted areas will be restored to mimic native Jegeration frastriction.** **Confirm that districted areas will be restored to mimic native Jegeration frastriction.** **Confirm that districted areas will be restored to mimic native Jegeration frastriction.** **Confirm that districted areas will be restored to mimic native Jegeration frastriction.** **Confirm that districted areas will be restored to mimic native Jegeration frastriction.** **Confirm that districted areas will be restored to mimic native Jegeration frastriction.** **Confirm that districted areas will be restored to mimic native Jegeration.** **Confirm that districted areas will be restored to mimic native Jegeration.** **Confirm that districted areas will be restored to mimic native Jegeration.** **Confirm that districted areas will be restored to mimic native Jegeration.** **Confirm that districted areas will be restored to make the mimic native Jegeration.** **Confirm that districted areas will be restored to make the mimic native Jegeration.** **Confirm that districted areas will be restored to make the mimic native Jegeration.** **Confirm that districted areas will be restored to make the official provide districted and house Jegeration.** **Confirm that districted areas will be restored to make the official provide and native Jegeration.** **Confirm that districted areas will be restored to be feed to both measure and national view and native Jegeration.** **Confirm that districted areas will be restored and account the monitoring and account the analysis of national view and national view and account the monitoring area and confirmation from the Proposent that the monitoring resorts area, and the success and the success and
