



Keeyask Generation Project

Environmental Impact Statement

Supporting Volume
Public Involvement



June 2012

KEEYASK GENERATION PROJECT

ENVIRONMENTAL IMPACT STATEMENT

PUBLIC INVOLVEMENT SUPPORTING VOLUME

APPENDIX 5

MANITOBA METIS FEDERATION CONSULTATION

Appendix 5 includes:

Table A5-1: List of meetings held with the Manitoba Metis Federation in relation to the Keeyask Project.

Environmental Assessment of the Keeyask Generation Project - Presentation to the Manitoba Metis Federation February 12, 2009

Table 5A-1: List of meetings held with the Manitoba Metis Federation in relation to the Keeyask Project.

Date	Location	In Attendance	Purpose of Meeting
2012 05 10	Manitoba Hydro	Will Goodon, Marci Riel, Jason Madden, Deirdre Zebrowski, Brenda Froese, Richard Goulet, Jim Sedgwick, Doug Bedford, Elissa Neville	Keeyask Generation Project on the agenda
2012 05 09	MMF Office	Will Goodon , Marci Riel, Jason Madden, Sandi Saber-Routley, Deirdre Zebrowski , Jim Sedgwick, Mark Manzer	Continue detailed review of the draft MMF Keeyask Generation Project Workplan proposal developed by Manitoba Hydro. Communicate anticipated regulatory timeframes.
2012 05 02	Manitoba Hydro	Will Goodon, Marci Riel, Sandi Saber- Routley, Deirdre Zebrowski, Monica Wiest, Brenda Froese	Review the draft MMF Keeyask Generation Project Workplan and discussion of workplan issues/concerns.
2012 04 26	Manitoba Hydro	Will Goodon, Marci Riel, Deirdre Zebrowski, Brenda Froese	Keeyask Generation Project on the agenda
2012 04 12	MMF Office	Will Goodon, Marci Riel, Deirdre Zebrowski, Mark Manzer	Review the draft MMF Keeyask Generation Project Workplan and discussion of workplan issues/concerns.
2012 02 29	Manitoba Hydro	Will Goodon, Marci Riel, Deirdre Zebrowski, Brenda Froese	Keeyask Generation Project on agenda
2012 01 05	Manitoba Hydro	Will Goodon, Marci Riel, Sandi Saber- Routley., Ryan Kustra, Mark Manzer, Deirdre Zebrowski, Felicity Forbister, Brenda Froese, Richard Goulet	Keeyask Generation Project on agenda

Date	Location	In Attendance	Purpose of Meeting
2011 11 08	MMF Office	Marci Riel, Will Goodon (via phone), Deirdre Zebrowski, Monica Wiest	Review the draft MMF Keeyask Generation Project Workplan and discussion of workplan issues/concerns.
2011 10 28	Manitoba Hydro	Will Goodon, Marci Riel, Richard Goulet, Deirdre Zebrowski	Review the draft MMF Keeyask Generation Project Workplan and discussion of workplan issues/concerns.
2011 10 13	Manitoba Hydro	Marci Riel, Deirdre Zebrowski, Mark Manzer, Monica Wiest	Review the draft MMF Keeyask Generation Project Workplan and discussion of workplan issues/concerns.
2011 09 07	Manitoba Hydro	Marci Riel, Justin Stapon, Deirdre Zebrowski, Monica Wiest, Mark Manzer	Review the Pointe Du Bois Spillway Replacement Project and the Keeyask Generation Project work plans.
2011 09 06	Manitoba Hydro	Will Goodon, Justin Stapon, Marci Riel, Brad McAllister, Blake Russell, Deirdre Zebrowski, Shauna Pachal, Mark Manzer, Glen Schick, Kelly Bryll	Keeyask Generation Project on agenda
2011 04 05	MMF Office	Will Goodon, Justin Stapon, Sasha Marshall, Cam Stewart, Pat Larcombe, Deirdre Zebrowski, Mark Manzer, Virginia Petch, Janet Kinley, Denis De Pape, Melissa Davies	Discussion of the proposed MMF workplan scope for the Keeyask Generation Project and discuss the development process for the MMF traditional knowledge study for inclusion in the Keeyask EIS.
2011 01 26	MMF Office	Will Goodon, Sasha Marshall, Cam Stewart, Justin Stapon, Mark Manzer, Janet Kinley, Virginia Petch	Discussions on MMF's Keeyask Generation Project Workplan
2010 11 25	MMF Office	Al Benoit, Pat Larcombe, Cam Stewart, Sasha Marshall, Deirdre Zebrowski, Mark Manzer, Shawna Pachal, Janet Kinley	Discussions on Keeyask Generation Project Work Plan
2010 11 12	MMF Office	Al Benoit, Will Goodon, Sasha Marshall, Deirdre Zebrowski, , Mark Manzer, Jodine MacDuff, Larry Strachan, Janet Kinley	Discussion of the scope of the Pointe Du Bois Spillway Replacement Project and the Keeyask Generation Project work plans and potentially a joint process for workplan development.

Date	Location	In Attendance	Purpose of Meeting
2010 11 09	Manitoba Hydro	Al Benoit, Will Goodon, Sasha Marshall, Justin Stapon, Shawna Pachal, Elissa Neville, Deirdre Zebrowski	General reference to the Keeyask Generation Project but more specifically discussion focused on Protocol development and available MMF capacity to undertake workplan
2010 11 02	Manitoba Hydro	Sasha Marshall, Justin Stapon, Cam Stewart, Pat Larcombe, Deirdre Zebrowski, Mark Manzer, Jodine MacDuff, Larry Strachan, Janet Kinley	Discussion of the MMF traditional knowledge study for the Pointe du Bois Spillway Replacement Project. Keeyask Generation Project and Conawapa Projects spatial study areas provided, based on preliminary understanding of effects.
2010 10 29	Manitoba Hydro	Al Benoit, Will Goodon, Sasha Marshall, Doug Bedford, Shawna Pachal, Elissa Neville, Deirdre Zebrowski, Mark Manzer, Jodine MacDuff, Ryan Kustra, Janet Kinley	Discussion of Keeyask Generation Project and a potential MMF Traditional Knowledge Study
2009 05 14	Manitoba Hydro	Al Benoit, Richard Anderson, Ryan Kustra, Elisa Neville, Shane Mailey, Trent Hreno, Shawna Pachal, Mark Manzer, Laura McKay, Elizabeth Hicks, John Osler	<p>Discussion of Manitoba Hydro provided proposed work plans to MMF for research regarding the Keeyask Generation and Pointe du Bois projects to MMF. Discussion also included BiPole III, Conawapa and Wuskwatim.</p> <p>Keeyask discussion focussed on timeframes and scope for research, and sharing background information on processes set-up with Keeyask Partners.</p>
2009 02 12	MMF Office	Al Benoit, MMF staff person (1), Mark Manzer, Janet Kinley	<p>Presentations (PowerPoint) on Projects (Keeyask Generation Project and Pointe Du Bois Spillway Replacement Project) delivered.</p> <p>Keeyask Generation Project Presentation included: Project Overview, Environmental Approvals, Environmental Assessment Overview, Keeyask Environmental Studies, Keeyask Physical and Biophysical Studies, Keeyask Socio-Economic and Resource Use Studies and Project Work Plan Research Questions (resource use, employment/labour force and culture).</p>

Date	Location	In Attendance	Purpose of Meeting
2008 11 20	MMF Office	Al Benoit, Anita Campbell, Justin Stapon, Richard Anderson, Brad McAllister, Michelle Dubois-Rogers, Ryan Kustra, Tara Cole-McCaffrey, Elissa Neville, Elisabeth Hicks, Janet Kinley	Exploration meeting to work with the MMF to gain an understanding of resource use by Métis people in areas affected by two Manitoba Hydro projects currently undergoing environmental assessment (EA) studies. These are the Keeyask Generation Project and the Pointe du Bois Spillway Replacement Project.



ENVIRONMENTAL ASSESSMENT OF THE KEEYASK GENERATION PROJECT

Presentation to the Manitoba Metis Federation
February 12, 2009

This Presentation

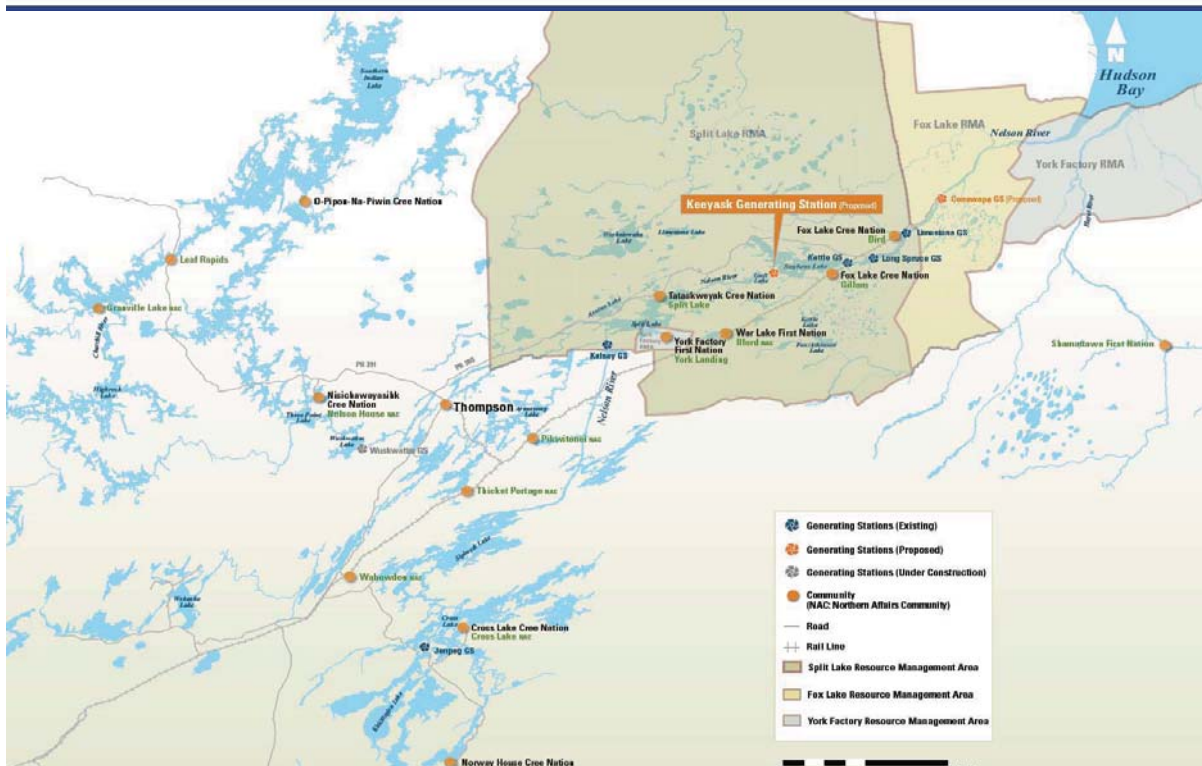
- Keeyask Project Overview
- Environmental Approvals
- Environmental Assessment Overview
- Keeyask Environmental Studies
- Keeyask Physical and Biophysical Studies
- Keeyask Socio-Economic and Resource Use Studies
- Research Questions about the Metis People



Proposed Keeyask Generation Project

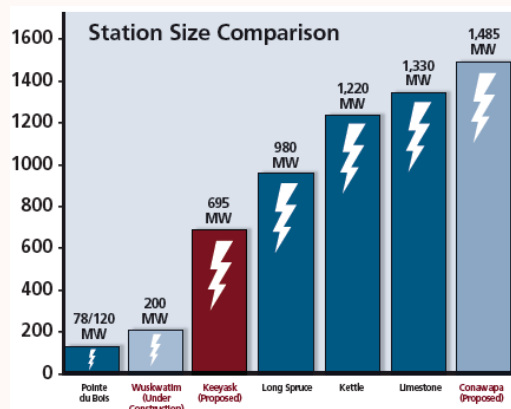


Project Location



KEEYASK Keeyask Project Overview

- Keeyask would be the fourth largest of Manitoba Hydro's current generating stations
- Approximate generating capacity:
 - Nominal capacity: 695 megawatts
 - Average annual energy production: 4,400 gigawatt hours
- Generator units: 7
- Flooded land area: 45 square kilometers (may gradually increase due to erosion)
- Total reservoir area of Keeyask Generating Station: 93 square kilometers
- Length of reservoir: Approximately 40 kilometers
- Construction period: Approximately 7 to 8 years
- Construction completed: 2020



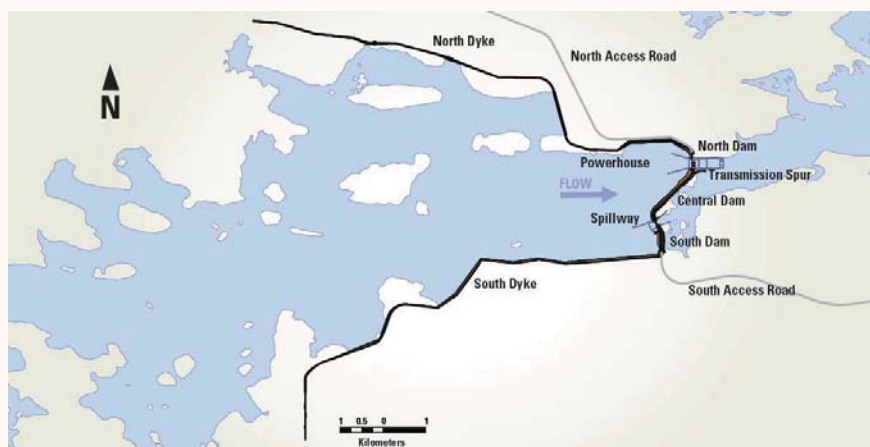
KEEYASK Project Components and Construction Activities

Principal Structures

- Powerhouse
- Spillway
- Dams – central, north, and south
- Dykes
- Transmission tower spur

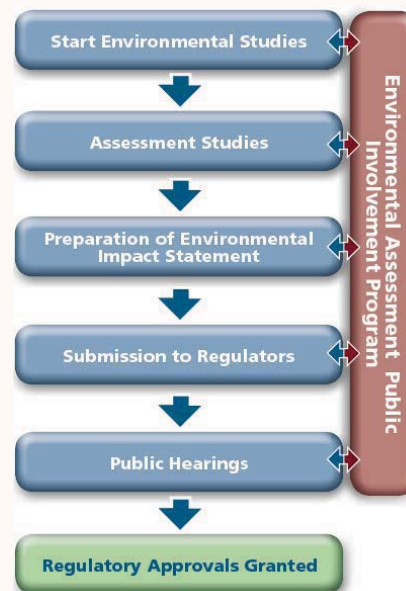
Supporting Infrastructure

- Access roads
- Cofferdams
- Worker accommodations
- Storage areas
- Offices



KEEYASK Environmental Approvals

- An environmental assessment will be completed for the project to:
 - *Identify potential effects the project may have on the environment and people*
 - *Determine ways to avoid, reduce or mitigate potential negative effects*
 - *Determine ways to enhance potential positive effects*
 - *Develop follow-up and monitoring programs*
- An environmental impact statement will report on the results of these studies and will be available to the public
- The project is subject to review under the Canadian Environmental Assessment Act and the Manitoba Environment Act, as well as other federal and provincial legislation. Public hearings are anticipated



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KEEYASK Environmental Assessment Overview

- MH and the Keeyask Cree Nations (KCN) – TCN, WLFN, FLCN, YFFN have drafted a Joint Keeyask Development Agreement (JKDA)
- Among other things, that agreement governs the Environmental Assessment (EA) process – e.g., roles of MH and KCN
- No formal submissions have yet been made to regulators and no regulatory guidelines have been issued by regulators for the EA
- Round 1 of Public Involvement Program almost completed. Round 2 will focus on initial results of the EA, including any work that may be required on Metis people

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KEEYASK Environmental Studies

- Manitoba Hydro and its potential Cree Nation partners have been working collaboratively to collect information that will contribute to the environmental assessment study of the project
- So far, studies of the existing environment have considered:
 - *Physical environment*
 - *Terrestrial and aquatic environment*
 - *Heritage resources*
 - *Resource use*
 - *Socio-economic environment*
- In addition, these same Cree Nations have been undertaking their own community studies
- Manitoba Hydro and its potential Cree Nation partners are committed to using both western science-based knowledge and traditional knowledge in the Keeyask Environmental Impact Statement

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KEEYASK Physical Environment Studies

Studies completed or underway:

- Air quality
- Climate
- Geology and soils
- Water levels and flows
- Thermal regime
- Ice processes
- Erosion and sedimentation
- Debris
- Water quality

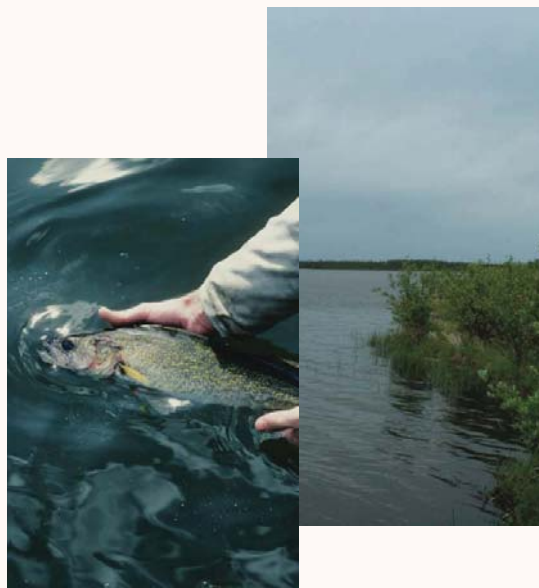


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KEEYASK Aquatic Studies

Studies completed or underway:

- Aquatic habitat
- Aquatic plants and invertebrates
- Fish community – populations, spawning, and movements
- Lake sturgeon – species of special interest
- Fish quality – mercury



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KEEYASK Terrestrial Studies

Studies completed or underway:

- Vegetated habitat classification and mapping
- Rare plants
- Insects
- Amphibians
- Songbirds, raptors and waterfowl
- Small mammals (e.g. voles, rabbits, mice)
- Furbearers (e.g. beaver, muskrat, mink, otter)
- Large mammals (e.g. caribou, moose)



KEEYASK Heritage Resource Studies

Studies completed or underway:

- Burial sites
- Heritage resources, such as pottery or bone fragments from pre-contact to the historic period
- Culturally important sites



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KEEYASK Socio-Economic and Resource-use Studies

Studies completed or underway:

- Land and resource use for traditional, recreational and commercial purposes
- Local and regional economy, including employment and business
- Population, housing, infrastructure and services
- Transportation, navigation safety and access
- Outdoor recreation
- Community health
- Culture
- Social well-being and quality of life



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Socio-Economic/Resource Use Field Work

- Research underway:
 - TCN/WLFN, YFFN, FLCN
 - Thompson
 - Northern Region
- Research to be undertaken soon:
 - Metis
 - Gillam
- Array of data collection, such as:
 - Statistical data
 - Key person interviews
 - Community based information
 - Community studies and reports

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MMF Participation in Socio-Economic/ Resource Use Field Work about Metis

- MH and the EA Study Team are interested in an effective approach to socio-economic/resource use field work about Metis people which is relevant to the Keeyask Generation Project
- This fieldwork would need to be completed by end of June in order to be incorporated into the EA analysis and the draft EIS (targeted for end of December 2009)

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Research Questions about Metis People

Related to Metis use of areas potentially affected by the Project:

- Do Metis people use the area potentially affected by the Keeyask Project? If so, how, where and to what extent?
 - The geographic extent of physical and biophysical effects of the project have been identified by the EA Study Team, particularly in and around Gull Lake, north and south access roads, etc.
- Who are the Metis people that use this area and where do they live?
- What types of uses do they make of the Keeyask area – e.g., traditional and other resource uses?

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Research Questions about Metis People

Related to Metis use of areas potentially affected by the Project (cont'd.):

- What type and how much domestic food do they consume from the local area (e.g., fish from Gull Lake)?
- How often and in what seasons do they use these areas?
- Are there any important cabin or campsites in the area?
- Where and when do they travel in the area? By what mode?
- What is the cultural character of these people (using methods consistent with the balance of the study)?

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Research Questions about Metis People

- What information is available from the MMF to characterize the Metis population and labour force, as well as Métis construction businesses:
 - In the local Keeyask Study Area
 - in the Churchill-Burntwood-Nelson area (set out in the Burntwood-Nelson Collective Agreement that will govern project construction)
 - In Northern Manitoba

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QUESTIONS AND NEXT STEPS

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THANK YOU