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**ENVIRONMENTAL IMPACT STATEMENT**

**DRAFT SCOPING DOCUMENT**

**MINNESOTA POWER**

**GREAT NORTHERN TRANSMISSION LINE PROJECT**

**PUC DOCKET #E015/TL-14-21**

**July 2014**

**Prepared by the Energy Environmental Review and Analysis Staff of the**



## **1.0 INTRODUCTION**

On April 15, 2014, Minnesota Power (MP) filed a route permit application (RPA) under the full permitting process to construct and operate a 500 kilovolt (kV) transmission line and associated facilities in Beltrami, Itasca, Koochiching, Lake of the Woods, and Roseau counties.<sup>1</sup>

On April 18, 2014, the Commission issued a notice soliciting comments on the completeness of the route permit application for the project.<sup>2</sup> The comment period on completeness of the RPA closed on May 16, 2014.

The Commission accepted the RPA as complete on June 19, 2014.

## **2.0 PROJECT DESCRIPTION**

Minnesota Power, in partnership with Manitoba Hydro, proposes to construct a high voltage transmission line (HVTL) from the International border that would terminate at the Blackberry Substation in Itasca County.

The GNTL project includes the construction of a new 500 kV transmission line in Minnesota from the United States/Canadian border to the Minnesota Power Blackberry Substation near Grand Rapids, Minnesota. The 500 kV Line will be approximately 235-270 miles in length, subject to final route approval by the Commission, and will be constructed on a 200 foot wide right-of-way. The line will provide 750 MW of transfer capability. The Minnesota counties likely to be impacted by the construction of the 500 kV Line (depending on final route selection) include: Beltrami, Itasca, Koochiching, Lake of the Woods, and Roseau.

Minnesota Power is requesting a route width that is 1,000 to 3,000 feet wide, with structures typically ranging in heights from approximately 100 feet to 150 feet above ground. The Applicant currently estimates between 4 to 5 structures per mile of transmission line. A variety of structure types (self-supporting suspension, guyed delta suspension, and guyed-V suspension) may be used along the route.

Minnesota Power anticipates that construction on the project will begin in the fall of 2016, with an in-service date of mid-year 2020.

The GNTL project will terminate at a new substation (that is, Blackberry 500 kV Substation) located on the same site as the Applicant's existing Blackberry 230/115 kV substation. The Blackberry 500 kV Substation will be designed to accommodate the new 500 kV line, 500/230 kV transformation, existing 230 kV lines, and all associated 500 kV and 230 kV equipment. The project also will require a 500 kV Series Compensation Station, the location of which, has not yet been determined.

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<sup>1</sup> Minnesota Power Application to the Minnesota Public Utilities Commission for a Route Permit, Great Northern Transmission Project and Associated Facilities in Beltrami, Itasca, Koochiching, Lake of the Woods, and Roseau Counties, April 15, 2014, eDockets No. 20144-98339-01 to -10, 341-01 to -10, and 342-01 to -04. [herein after Route Permit Application].

<sup>2</sup> Notice of Comment Period on Route Permit Application Completeness, April 18, 2014, eDockets No. 20144-98464-01.

### ***Project Purpose***

As stated by the Applicant, the primary objective of the Great Northern Transmission Line (GNTL) project is to provide increased access to Manitoba hydropower. Additionally, MP states that the project facilitates an innovative wind storage provision in the PPA that leverages the flexible and responsive nature of hydropower to optimize the value of MP's significant wind energy investments and compliments MP's EnergyForward resource strategy.

The GNTL project would provide delivery and access to power generated by Manitoba Hydro's hydroelectric stations in Manitoba, Canada. Minnesota Power, states in its CN application, that the project is required to facilitate delivery of the combined 383 megawatts (250 MW PPA and the 133 MW Renewable Optimization Agreement) of hydropower and wind storage energy products to serve Minnesota Power, as well as additional hydropower to other utilities in the United States, thereby meeting future state and regional energy needs. While large hydropower transfers like this do not satisfy the current renewable energy mandates in Minnesota, such a hydropower transfer could support compliance with renewable energy requirements for utilities in Wisconsin and other states.

## **3.0 REGULATORY PROCESS AND PROCEDURES**

In Minnesota, no person may construct a high voltage transmission line (HVTL) without a route permit from the Commission (Minnesota Statute 216E.03). A high voltage transmission line is defined as a conductor of electric energy designed for and capable of operation at a voltage of 100 kV or more and greater than 1,500 feet in length (Minnesota Statute 216E.01). The proposed project will consist of approximately 220 miles of new 500 kV transmission line and therefore requires a route permit from the Commission.

### ***Route Permit Application and Acceptance***

Because MP's proposed project will operate at a voltage greater than 200 kV and will have a length in Minnesota of greater than five miles, it must proceed under the full permitting process prescribed by Minnesota Statute 216E.03 and Minnesota Rules 7850.1000 to 7850.2700.<sup>3</sup> Route permit applications for high voltage transmission lines must provide specific information about the proposed project including, but not limited to, applicant information, route description, and potential environmental impacts and mitigation measures (Minnesota Rule 7850.1900). Under the full permitting process the applicant must propose at least two routes for the project and indicate its preferred route and the reasons for its preference (Minnesota Rule 7850.1900).

The Commission may accept an application as complete, reject an application and require additional information to be submitted, or accept an application as complete upon filing of supplemental information (Minnesota Rule 7850.2000). The environmental review and permitting process begins on the date the Commission determines that a route permit application is complete (Minnesota Rule 7850.2000); the Commission has one year from the date of this determination to reach a route permit decision (Minnesota Rule 7850.2700).

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<sup>3</sup> Per Minnesota Statute 216E.04, Subd. 2, the project is not eligible to proceed under the alternative permitting process.

### ***Environmental Review***

Route permit applications are subject to environmental review conducted by Department of Commerce, Energy Environmental Review and Analysis (EERA) staff. Projects proceeding under the full permitting process require the preparation of an environmental impact statement (EIS) (Minnesota Statute 216E.03, Subd. 5). Public information and scoping meetings will be held to solicit comments on the scope of the EIS. The Department of Commerce (Department) determines the scope of the EIS.<sup>4</sup> The Department may include alternative sites or routes suggested by the public in the scope of the EIS if such alternatives will aid in the Commission's decision on the route permit application (Minnesota Rule 7850.2500). The Department must include those site or routes "the Commission deems necessary that [were] proposed in a manner consistent with rules concerning the form, content, and timeliness of proposals for alternate site or routes."<sup>5</sup>

### ***State (Department) and Federal (DOE) Joint Environmental Review***

Because the GNTL project constitutes a Major Federal Action, Department of Energy (DOE) must consider the environmental effects of the project, and reasonable alternatives to the project, pursuant to the National Environmental Policy Act (NEPA). An Environmental Impact Statement (EIS) will be prepared in compliance with NEPA and DOE's NEPA implementing regulations, 10 CFR Part 1021.

DOE and the Minnesota Department of Commerce – Energy Environmental Review and Analysis intend to jointly develop one EIS that meets both agencies' environmental review requirements to minimize duplication of effort.

### ***Public Hearing***

Route permit applications under the full permitting process require a contested case hearing be held after the draft EIS for the project has been prepared (Minnesota Rule 7850.2600). The hearing must be conducted by an administrative law judge from the Office of Administrative Hearings pursuant to the contested case procedures of Minnesota Statutes, chapter 14. Notice of the hearing must be given in accordance with Minnesota Statutes, section 216E.03, subdivision 6. A portion of the hearing will be held in the area where the proposed project would be located.

## **4.0 EIS SCOPING PROCESS**

The purpose of the scoping process is to provide the public with an opportunity to participate in the development of the scope of the EIS by holding public meetings and soliciting public comment.

The public information/scoping meetings and the comment period listed below are your opportunity to participate in the determination of the content or "scope" of the EIS.

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<sup>4</sup> Minnesota Rule 7850.2500, Subp. 2.

<sup>5</sup> Minnesota Statute 216E.03, Subd. 5.

COUNTY	CITY	MEETING LOCATION	DATE AND TIME
Roseau	Roseau	Roseau Civic Center 121 Center Street E	Wednesday, July 16, 2014 11:00am – 3:00pm
Lake of the Woods	Baudette	Lake of the Woods School 236 15th Ave SW	Wednesday, July 16, 2014 6:00pm – 10:00pm
Koochiching	Littlefork	Littlefork Community Center 220 Main St	Thursday, July 17, 2014 11:00am – 3:00pm
Koochiching	International Falls	AmericInn 1500 Hwy 71	Thursday, July 17, 2014 6:00pm – 10:00pm
Beltrami	Kelliher	Kelliher Public School 345 4th Street NW	Wednesday, July 23, 2014 11:00am – 3:00pm
Itasca	Bigfork	Bigfork School 100 Huskie Blvd	Wednesday, July 23, 2014 6:00pm – 10:00pm
Itasca	Grand Rapids	Sawmill Inn 2301 S Highway 169	Thursday, July 24, 2014 11:00am – 3:00pm
Itasca	Grand Rapids	Sawmill Inn 2301 S Highway 169	Thursday, July 24, 2014 6:00pm – 10:00pm

The meetings will inform the public about the project and the Route Permit Application regulatory proceedings; provide a forum to discuss the environmental, social and economic issues of importance in the areas potentially affected; and gather public input into the scope of the EIS to be prepared for the project. The meetings provide the public an opportunity to ask questions about the project and suggest alternatives to the proposed project and specific impacts that should be addressed in the EIS.

Representatives of the Department, the DOE, the Commission and the Applicant will be at the meetings to describe the proposed project and answer questions.

Written public comments can be submitted to the Department EERA staff until **August 15, 2014**. Written comments should be mailed to Bill Storm ([bill.storm@state.mn.us](mailto:bill.storm@state.mn.us)), Minnesota Department of Commerce, Office of Energy Security, 85 7<sup>th</sup> Place, Suite 500, St. Paul, Minnesota 55101-2198.

A scoping decision will be made by the Department. That decision will be made shortly after the close of the comment period. Persons who want to be advised of the Department's scoping decision can register their names with the staff at the public meeting, on the Public Utilities Commission's website or contact Bill Storm at (651) 539-1844. The final scoping decision will also be posted on the Public Utilities Commission's edocket website.

## 5.0 DRAFT SCOPING OUTLINE

The Environmental Impact Statement on the GNTL project will address and provide information on the following matters:

Abstract

Acronyms, Abbreviations and Definitions

1.0 Introduction

- 1.1 Project Description
- 1.2 Project Location
- 1.3 Project Purpose
- 1.4 Sources of Information
- 2.0 Regulatory Framework
  - 2.1 Certificate of Need
  - 2.2 Route Permit
  - 2.3 Scoping Process
  - 2.4 Public Hearing
  - 2.5 Other Permits
  - 2.6 Applicable Codes
  - 2.7 Issues Outside the Scope of the EA
- 3.0 Proposed Project
  - 3.1 Project Segments
  - 3.2 Right-of-Way Requirements
  - 3.3 Project Construction and Maintenance
  - 3.4 Project Implementation
  - 3.5 Alternative Routes Considered and Rejected
- 4.0 Alternative Routes and/or Route Segments\*
- 5.0 Potential Impacts of the Proposed Route
  - 5.1 Description of Environmental Setting
  - 5.2 Socioeconomic
  - 5.3 Displacement
  - 5.4 Anticipated Noise Impacts
  - 5.5 Radio and Television Interference
  - 5.6 Aesthetics
  - 5.7 Public Health and Safety Including EMF
  - 5.8 Recreation
  - 5.9 Land-based Economies
  - 5.10 Commercial, Industrial, Residential Land Use
  - 5.11 Public Services and Transportation
  - 5.12 Archaeological and Historic Resources
  - 5.13 Natural Environment
    - Air Quality
    - Water Quality
    - Flora
    - Fauna
  - 5.14 Rare and Unique Natural Resources
- 6.0 Potential Impacts Comparison of Alternate Routes\*
- 7.0 Unavoidable Impacts

(\*) – If applicable

## 5.0 ALTERNATIVES TO BE ADDRESSED IN THE EIS

At this time the Department staff is not recommending that any additional routes, other than those presented in MP's HVTL Route Permit Application, be evaluated in the EIS.

## 6.0 SCHEDULE FOR COMPLETION OF EIS

The tentative date for completion of the Draft Environmental Impact Statement on the HVTL is February, 2015.

Upon completion of the draft EIS, the EERA staff will notify those persons who have asked to be notified of the completion. In addition, the EERA staff will publish notice of the availability of the draft EIS in the EQB Monitor (the bi-weekly newsletter of the EQB). The draft EIS will be made available for review and will be posted on the Public Utilities Commission's webpage. The EERA staff will hold public meetings in the project area to provide an opportunity for the public to ask questions and to comment on the draft EIS. The public will also have a period of time (at least 10 days) after the meetings to submit written comments.

Comments on the draft EIS shall become part of the record in the proceeding for this docket. Responses to comments will be incorporated into the Final EIS.

## 7.0 IDENTIFICATION OF PERMITS

The Environmental Impact Statement will include a list of permits that will be required for the project proposers to construct this project. The following permits have been identified as potential:

Permit	Jurisdiction	Route Alternative
Water Appropriation Permit	MnDNR	Routes A & D depending on construction type
NPDES/SDS Construction Stormwater Permit	MPCA	Routes A, B, C, and D
Road Crossing/Obstruction Permits	Mn/DOT, County, Township, City	Routes A, B, C, and D
Lands Permits	County, Township, City	Routes A, B, C, and D
Over-width Loads Permits	County, Township, City	Routes A, B, C, and D
Driveway/Access Permits	County, Township, City	Routes A, B, C, and D
Erosion Control Permit	City of Minneapolis	Routes A, B, C, and D
Permit to Discharge to Storm Drain	City of Minneapolis	Routes A, B, C, and D
After Hours Work Permit	City of Minneapolis	Routes A, B, C, and D
Erosion Control Permit	MCWD	Routes A, B, C, and D

## **CERTIFICATE OF SERVICE**

I, Sharon Ferguson, hereby certify that I have this day, served copies of the following document on the attached list of persons by electronic filing, certified mail, e-mail, or by depositing a true and correct copy thereof properly enveloped with postage paid in the United States Mail at St. Paul, Minnesota.

**Minnesota Department of Commerce  
Environmental Impact Statement Draft Scoping Document**

**Docket No. E015/TI-14-21**

**Dated this 2<sup>nd</sup> day of July 2014**

**/s/Sharon Ferguson**



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Dennis	McClellan	N/A		2113 10th Ave East Hibbing, MN 55346	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
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Beverly	Meadows	meadowb@paulbunyan.net		11952 Co Rd 51 Northome, MN 56661	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Mattfield	Meloy	N/A		39100 County Road 336 Bovey, MN 55709	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
David	Moeller	dmoeller@allte.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Craig	Morpne	cmorpne@paulbunyan.net		28578 Anchorage CT NW Shevlin, MN 56676	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Richard	Myers	N/A		PO Box 16 Warroad, MN 56763	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Pete and Joani	Neu	N/A		8382 172nd Ave SE  Becker, MN 55308	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Sheryl	Noretip	sheryl8898@gmail.com		520 S Markley  Theif River Falls, MN 56701	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Rick	Olseen	rick.olseen@mail.house.gov	Field and Constituent Service Rep	313 N Main St #103  Center City, MN 55012	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Rebecca	Olson	bolson123@northlc.com	Balsam Township	Not provided  Balsam Township,	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Colette	Olson	N/A		51645 Cty Rd 126  Salol, MN 56756	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Jeff and Beth	Pederson	N/A		23233 Cty Rd 8  Bovdy, MN 55709	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Patrick and Candace	Perry	N/A		22790 Wildwood Dr  Bovey, MN 55709	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Kevin	Peterson	kepeters@midco.net		3075 Town Rd 225  International Falls, MN 56649	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
John	Peterson	john.peterson@nwsnm.com	Northwestern Surveying	PO Box 3067  Bemidji, MN 56619	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
John	Rademacher	N/A		27909 Linn Rd  Grand Rapids, MN 55744	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Brian	Rice	brianrice@centurytel.net	Century	39650 320th Ave  Roseau, MN 56751	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Steven K.	Rice	whitemn@aol.com		3737 11th Ave. S.  Moorhead, MN 56560	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Wendy	Rogers	bademailwildroseranch@di shmail.net		701 23rd St SW  Baudette, MN 56623	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Steve	Rudolph	stephen.rudolph@state.mn. us	Department of Natural Resources	208 Main Street East  Baudette, MN 56623	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Cody	Schmalz	N/A		4529 400 Street  Lancaster, MN 56735	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Blaine	Schmalz	N/A		3604 450th Ave  Lancaster, MN 56735	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Wayne	Skoe	wayne.skoe@co.koochichi ng.mn.us	Koochiching County	11966 Highway 1  Nothome, MN 56661	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Bradley	Snyder	bademailshellbaity@ctc.net		PO Box 86  Menahga, MN 56464	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Warren	Stoe	warrenstoe@gmail.com		28459 370th St  Roseau, MN 56751	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Lou	Tasa	ltasa@paulbunyan.net		820 Augustana DR NE  Bemidji, MN 56601	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ronen	Tesaneck	N/A		23822 County Rd 9  Roseau, MN 56751	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Clayton	Trosky	bademailTrosky@wiktel.com		6046 Sandy Shores Dr NW  Williams, MN 56686	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Leo	Trunt	leo.trunt@co.itasca.mn.us	Itasca County	12058 County Rd 72  Swan River, MN 55784	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Stan and Fran	Tvedt	frantvedt@hotmail.com		16374 State Hwy 1 NE  , MN	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Cassie	Wakefield	mikecass@Q.com		21061 Co Rd 71  Grand Rapids, MN 55744	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Darrell and Delores	White	N/A		22710 Co Rd 70  Bovey, MN 55709	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Don	Wille	N/A		24370 Pleasant Valley  Puposky, MN 56667	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Tim	Williamson	timothy.williamson@state.mn.us	Dept of Transportation	3296 State Park Rd NE  Bemidji, MN 56601	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Larry	Wirta	N/A		26969 Elm Drive  Bovey, MN 55709-8183	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
Lola	Wiskow	N/A		1229 Edgewood Dr  Thief River Falls, MN 56701	Paper Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Steve	Wymore	swymore53@gmail.com		PO Box 1158  Baudette, MN 56623	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List
David	Zilbert	lexi6049@yahoo.com		21672 S Grouse Lane  Grand Rapids, MN 55744	Electronic Service	No	SPL_SL_14-21_MP Great Northern TL Project Contact List