**State of Minnesota**

**Department of Commerce**

**Division of Energy Resources**

**Utility Information Request**

**SUPPLEMENTAL**

Docket Number: E015/CN-12-1163 Date of Request: July 7, 2014

Requested From: David R. Moeller, Senior Attorney Response Due: July 17, 2014

Analyst Requesting Information: Stephen Rakow

Type of Inquiry: [ ] Financial [ ] Rate of Return [ ] Rate Design  
 [ ] Engineering [ ] Forecasting [ ] Conservation  
 [ ] Cost of Service [ ] CIP [ ] Other:

***If you feel your responses are trade secret or privileged, please indicate this on your response.***

Request

No.

8 Please provide the status of the Loop Flow Impact Study mentioned on page 95 of the Petition.

**Response:**

The final Loop Flow Impact Study report is attached. The results of the New Tie Line Loop Flow Impact Study support the assertion that a new 500 kV tie line from the Winnipeg area to northeastern Minnesota, such as Minnesota Power’s proposed Great Northern Transmission Line, has a more favorable overall impact on North Dakota – Manitoba loop flow than a new 500 kV tie line from Winnipeg to the Barnesville area in western Minnesota. While it can be demonstrated that a Barnesville line could provide additional outlet capability from Manitoba Hydro, this additional outlet capability would come at the expense of placing considerable limitations on North Dakota outlet capability due to the impact of the Barnesville line on North Dakota – Manitoba loop flow. In contrast, the Great Northern Transmission Line provides the desired outlet capability from Manitoba Hydro without inherently limiting potential transmission outlet capability for current and future North Dakota generation resources due to North Dakota – Manitoba loop flow. Therefore, the results of the New Tie Line Loop Flow Impact Study indicate that the Great Northern Transmission Line is the superior long-term plan for developing a new 500 kV tie line between Manitoba and the United States.

Response by: Christian Winter\_\_\_\_\_\_\_\_\_\_\_\_\_ List Sources of Information:

Title: Transmission System Planning Engineer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Department: System Performance & Transmission Planning\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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