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**Great Northern Transmission Project - Information Request #2**

**SUPPLEMENTAL**

Docket Number: PUC Docket No.: E-015/CN-12-1163 Request Date: February 24, 2014

OAH Docket No.: 60-2500-30782

Requested From: Eric Swanson, attorney for MP; David Moeller, MP/Allete

Party Requesting Information: Carol A. Overland for RRANT

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

Request

No.

2. Please provide a copy of the updated and/or FINAL version of Application

Exhibit Q, “New Tie Line Loop Flow Impact Study.”

**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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