

Douglas, Tina (PUC)

Subject: FW: Docket EL05-028 - Xcel Energy Buffalo To White
Importance: High

-----Original Message-----

From: Rasmussen, Pamela Jo [mailto:pamela.jo.rasmussen@xcelenergy.com]

Sent: Monday, October 09, 2006 1:56 PM

To: Van Gerpen, Patty

Cc: Solem, Nathan; Knadle, Bob; Bettmann, Martin; dag@magt.com; Wilcox, James C; Stevenson, Grant D; Pearson, Danny; Hill, Bradley G; Hillstrom, Thomas G; Cremer, Karen

Subject: Docket EL05-028 - Xcel Energy Buffalo To White

Importance: High

Dear Ms. Van Gerpen:

Attached is a letter Xcel Energy is mailing out today to the Commission. This letter provides additional information on Buffalo Ridge to White 115 kv Transmission Line Project to support the project filing. Should you have any questions, please contact me at 715-839-4661.

Thank you.

Pam Rasmussen

Team Lead, Siting & Permitting

Xcel Energy - NSP

P.O. Box 8

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9 October 2006

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Ms. Patty Van Gerpen
Executive Director of the Commission.
Public Utilities Commission
Capitol Building, 1st Floor
500 East Capitol Avenue
Pierre, SD 57501-5070

**APPLICATION OF XCEL ENERGY FOR A FACILITIES
PERMIT TO BUILD 9.65 MILES OF THE BUFFALO
RIDGE TO BROOKINGS COUNTY 115 KV
TRANSMISSION LINE, TWO 0.4 MILE BROOKINGS
COUNTY TO WHITE 345 KV TRANSMISSION LINES,
THE BROOKINGS COUNTY SUBSTATION AND TO
ADD FACILITIES TO THE WHITE SUBSTATION**

**SDPUC DOCKET
NO. EL05-028**

RE: AMENDMENTS TO APPLICATION

Dear Ms. Patty Van Gerpen:

Northern States Power Company, a Minnesota Corporation d/b/a Xcel Energy, submits this letter to amend certain portions of its Application for a facilities permit from the South Dakota Public Utilities Commission (Commission) in Docket No. EL05-028.

Since the filing of the application on December 1, 2005, Xcel Energy has made some changes to the design of the project and has also gathered some additional information:

Outdoor Background Noise Levels Resource:

The following web page: <http://www.nonoise.org/library/levels/levels.htm> is used by Xcel Energy staff as a resource to gather baseline information on typical background noise levels. This information is a condensed version of the document "Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety," EPA/ONAC 550/9-74-004, March, 1974. Pages 8 and 9 include a table showing background, outdoor noise levels at approximately 44 decibels.

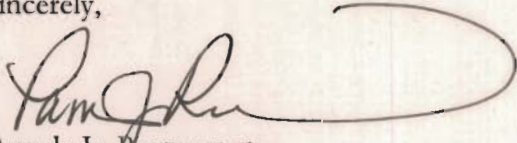
Brookings County to White Substation 345 kV Transmission Lines.

1. The two 345 kV transmission lines between the Brookings County and White substations will exit the White substation from the north. Figure #1 shows the new alignment of the transmission line routes.

2. The 345 kV transmission line structures have been changed from wood H frames to steel single poles. Figure #2 depicts the new structure type.
3. While the 345 kV transmission line structures have been changed to steel single poles, the expected noise levels, magnetic fluxes, clearances and ozone levels from the steel single pole will be similar to those calculations provided by Xcel Energy for the wood H frame design.

If there are questions regarding the application, please contact Pam Rasmussen at 715-839-4661.

Sincerely,



Pamela Jo Rasmussen
Team Lead, Siting & Permitting

Enclosures:

Figure #1, Brookings County to White substation 345 kV Transmission Line Route;
Figure #2, 345 kV steel, single pole davit arm structure drawing



310
215 MON SET

1314.26
S88^15'40"E

1320.00
S88^15'40"E

JOH

CENTERLINE WAPA
345KV TO PI NSP
345KV

125'

1600'
BROOKINGS-WHITE 345KV-2007
FUTURE-345KV-BROOKINGS-WHITE

1320.00
N02^42'42"

BROOKINGS FIX 225
SUB

821.88'
N89^45'57"W

FIX 224
PI #57
EL=1778

355'

481TH AVE

FIX 223

CENTERLINE WAPA
BAY TO CENTERLINE
NSP BAY

119'

1313.20
S88^15'43"E

1320.00
S88^15'40"E

1965.56'
N02^39'02"E

SINGLE CIRCUIT 345 KV STRUCTURE

