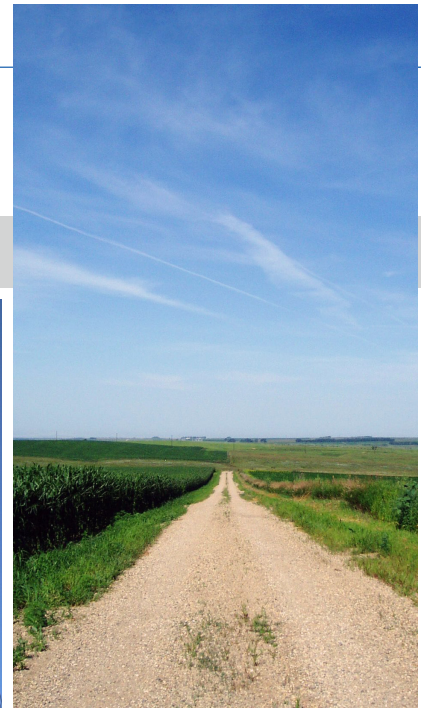


**GREAT RIVER ENERGY *and*
NORTHERN STATES POWER COMPANY**



**Application to the South Dakota Public Utilities
Commission for a Facility Permit**

*Brookings County Substation to South Dakota/
Minnesota Border 345 kV Transmission Line and
Brookings County Substation*

November 22, 2010

CapX2020

Delivering electricity you can rely on

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AND NORTHERN STATES POWER COMPANY
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SOUTH DAKOTA PUBLIC UTILITIES COMMISSION
FOR A FACILITY PERMIT**

**BROOKINGS COUNTY SUBSTATION TO
SOUTH DAKOTA / MINNESOTA BORDER
345 kV TRANSMISSION LINE
AND
BROOKINGS COUNTY SUBSTATION**

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Table of Contents

1.0 Applicant’s Verification..... 1

2.0 Executive Summary3

3.0 Description of the nature and location of the Proposed transmission Facility.... 15

4.0 Name Of owner, manager, and Participants (ARSD 20:10:22:06) 17

5.0 Purpose of the Transmission Facility (ARSD 20:10:22:08) 19

6.0 Estimated Cost of Facility (ARSD 20:10:22:09)..... 20

7.0 Demand for Transmission Facility (ARSD 20:10:22:10) 21

 7.1 Generation Outlet.....21

 7.2 Community Reliability.....22

 7.3 Regional Reliability.....22

 7.4 Consequences of Delay or Termination of Project22

8.0 General Site Description (ARSD 20:10:22:11)..... 24

9.0 Alternative Sites (ARSD 20:10:22:12) 25

 9.1 Route Identification and Selection Process.....25

 9.2 Alternatives Considered and Selected.....26

10.0 Environmental Information (Chapters 11 through 18) (ARSD 20:10:22:13)..... 27

11.0 Effect on Physical environment (ARSD 20:10:22:14) 28

 11.1 Existing Environment.....28

 11.1.1 Description of Land Forms28

 11.1.2 Geological Features.....28

 11.1.3 Economic Deposits.....28

 11.1.4 Soil Types29

 11.1.5 Seismic Risks.....30

 11.2 Potential Impacts30

 11.3 Mitigation30

12.0 Hydrology (ARSD 20:10:22:15; ARSD 20:10:22:20)..... 32

 12.1 Existing Environment.....32

 12.2 Potential Impacts32

 12.3 Mitigation33

13.0 Effect on Terrestrial Ecosystems (ARSD 20:10:22:16) 34

 13.1 Existing Environment.....34

 13.1.1 Flora34

 13.1.2 Fauna.....34

 13.2 Potential Impacts35

 13.3 Mitigation37

14.0 Effect on Aquatic Ecosystems (ARSD 20:10:22:17) 39

 14.1 Existing Environment.....39

 14.2 Potential Impacts39

 14.3 Mitigation39

15.0 Land Use (ARSD 20:10:22:18) 40

 15.1 Current Land Use.....40

 15.1.1 Existing Environment40

- 15.1.2 Potential Impacts..... 41
- 15.1.3 Mitigation 41
- 15.2 Displacement..... 41
 - 15.2.1 Existing Environment 41
 - 15.2.2 Potential Impacts..... 42
 - 15.2.3 Mitigation 42
- 15.3 Noise..... 42
 - 15.3.1 Existing Environment 42
 - 15.3.2 Potential Impacts..... 43
 - 15.3.3 Mitigation 43
- 15.4 Satellite, Cellular, Radio, TV, and GPS Reception..... 43
 - 15.4.1 Existing Environment 44
 - 15.4.2 Potential Impacts..... 44
 - 15.4.3 Mitigation 44
- 15.5 Aesthetics 44
 - 15.5.1 Existing Environment 45
 - 15.5.2 Potential Impacts..... 45
 - 15.5.3 Mitigation 45
- 16.0 Local Land Use Controls (ARSD 20:10:22:19) 47**
- 17.0 Water Quality (ARSD 20:10:22:20) 48**
 - 17.1 Existing Environment..... 48
 - 17.2 Potential Impacts 48
 - 17.3 Mitigation 48
- 18.0 Air Quality (ARSD 20:10:22:21) 50**
 - 18.1 Existing Environment..... 50
 - 18.2 Potential Impacts 50
 - 18.3 Mitigation 51
- 19.0 Time Schedule (ARSD 20:10:22:22) 52**
- 20.0 Community Impact (ARSD 20:10:22:23)..... 53**
 - 20.1 Socioeconomic and Community Resources 53
 - 20.2 Socioeconomic and Community Resource Impacts and Mitigation 54
 - 20.3 Agriculture 54
 - 20.4 Agriculture Impacts and Mitigation 54
 - 20.5 Transportation..... 55
 - 20.6 Transportation Impacts and Mitigation..... 56
 - 20.7 Cultural Resources 56
 - 20.7.1 Existing Environment 56
 - 20.7.2 Potential Impacts..... 57
 - 20.7.3 Mitigation 58
- 21.0 Employment Estimates (ARSD 20:10:22:24) 59**
- 22.0 Future Additions and Modifications (ARSD 20:10:22:25) 60**
- 23.0 Transmission Facility Layout and Construction (ARSD 20:10:22:34).....61**
 - 23.1 Route Clearing..... 61
 - 23.2 Transmission Construction Procedures 61

23.3	Restoration Procedures	63
23.4	Maintenance Procedures	63
24.0	Information Concerning Transmission Facilities (ARSD 20:10:22:35)	65
24.1	Configuration of Poles	65
24.2	Conductor Configuration.....	66
24.3	Proposed Transmission Site and Major Alternatives.....	66
24.4	Reliability and Safety.....	66
24.4.1	Transmission Line Reliability.....	66
24.4.2	Safety	67
24.4.3	Electric and Magnetic Fields.....	67
24.4.4	Stray Voltage	68
24.4.5	Farming Operations, Vehicle Use, and Metal Buildings Near Power Lines....	68
24.4.6	Right-of-Way or Condemnation Requirements.....	68
24.4.7	Necessary Clearing Activities.....	69
24.4.8	Underground Transmission.....	69
25.0	Additional Information in Application (ARSD 20:10:22:36)	70
26.0	Testimony and Exhibits (ARSD 20:10:22:39).....	71
27.0	References	72
27.1	Text and Data References.....	72
27.2	Geospatial References	74

List of Tables

Table 1.	Completeness Checklist	9
Table 2.	Current Project Development Agreement Percentages	18
Table 3.	Facility Cost	20
Table 4.	Location of the Proposed Facility	24
Table 5.	Gravel Pits within Five Miles of the Proposed Facility.....	29
Table 6.	Special Status Species	35
Table 7.	National Ambient Air Quality Standards	50
Table 8.	Demographic Characteristics of the Facility Area	53
Table 9.	Population Demographic Forecasts.....	53
Table 10.	Structure Design Summary.....	65

List of Figures

Figure 1.	South Dakota Facility Overview	5
Figure 2.	Brookings Project Overview.....	7
Figure 3.	Double Circuit 345 kV Structure with ROW.....	16
Figure 4.	Pier Foundation.....	16
Figure 5.	Brookings County – Hampton 345 kV Project Benefit Area.....	23

List of Appendices

- Appendix A – Maps and Photographs
- Appendix B – South Dakota Soil Series Information
- Appendix C – Remnant Prairies and Grasslands Report
- Appendix D – Land Use Plans and Zoning Ordinances
- Appendix E – Cultural Resources
- Appendix F – Structural Drawings
- Appendix G – Agency Correspondence

List of Acronyms and Abbreviations

Abbreviation	Meaning
BMPs	Best Management Practices
BPA	Bonneville Power Administration
BRIGO	Buffalo Ridge Incremental Generation Outlet
CapX2020	Capacity Expansion 2020
CMMPA	Central Minnesota Municipal Power Agency
Coteau des Prairies	Coteau des Prairies and Buffalo Ridge Region
CRP	Conservation Reserve Program
dB	Decibels
dBA	A-weighted sound level in decibels
EF	Electric Fields
EMF	Electric and Magnetic Fields
EPRI	Electric Power Research Institute, Inc.
FCC	Federal Communication Commission
FM	Frequency Modulated
G	Gauss
GIS	Geographic Information System
GPS	Global Positioning System
HVTL	High Voltage Transmission Line
kV	Kilovolt
kV/m	Kilovolts per meter
m	Meters
mG	milliGauss
MF	Magnetic Fields
MW	Megawatt
Midwest ISO	Midwest Independent Transmission System Operator
MPUC	Minnesota Public Utilities Commission
MRES	Missouri River Energy Services
MRO	Midwest Reliability Organization
NAAQS	National Ambient Air Quality Standards
NERC	North American Electric Reliability Corporation
NESC	National Electric Safety Code
NO2	Nitrogen Dioxide
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service (soil database)
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory
OTP	Otter Tail Power Company
PDA	Project Development Agreements (CapX2020)
pH	Hydrogen
PLS	Public Land Survey
ROW	Right-of-way
SDARC	South Dakota Archaeological Research Center
SDGFP	South Dakota Game, Fish and Parks Department

Abbreviation	Meaning
SHPO	South Dakota State Historic Preservation Office
SWPPP	Stormwater Pollution Prevention Plan
TLE	Temporary Limited Easements
TMDL	Total Maximum Daily Load
USFWS	United States Fish and Wildlife Service
WMA	Wildlife Management Area