



# Big Stone South to Brookings County 345 kV Transmission Line

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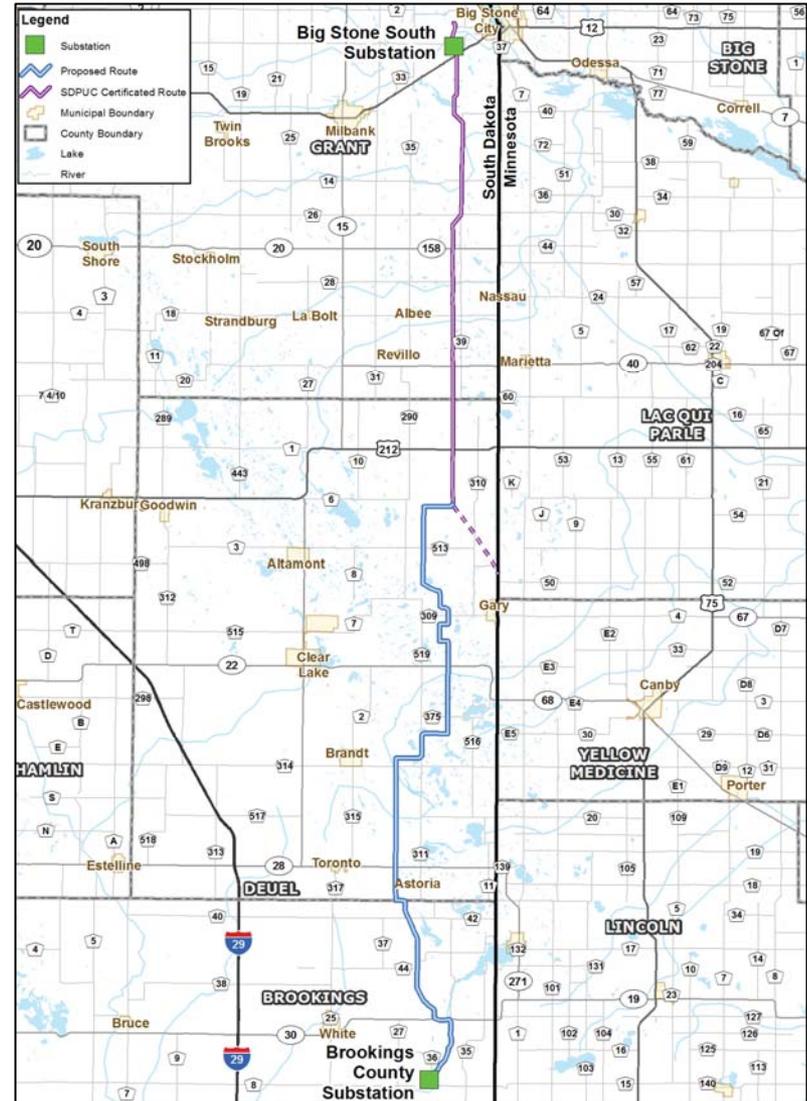
South Dakota Public Utilities Commission

July 31, 2013

Applicant's Presentation

# Big Stone South – Brookings County 345kV Transmission Line

- 43-miles of approx 70-mile 345 kV line
- Northern portion approved April, 2013 (Docket EL12-063)

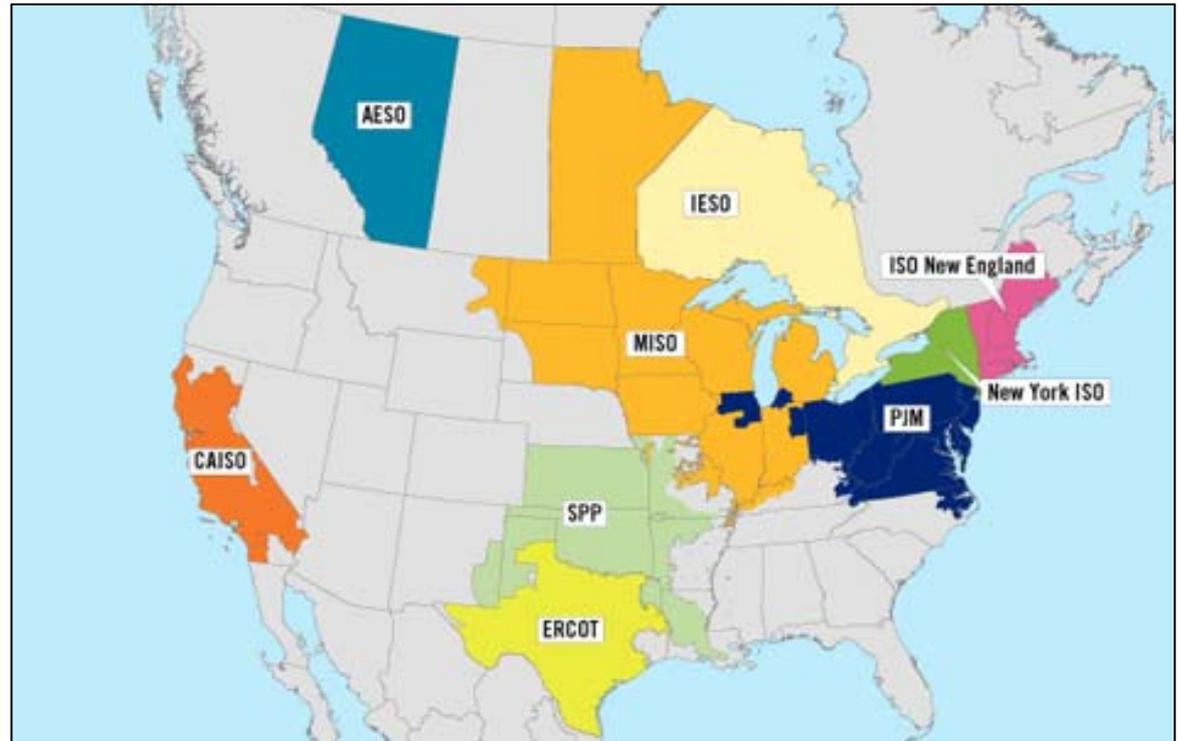


# How the Project Evolved

The proposed Project is part of one of 17 multi value projects (MVP) approved by the Midwest Independent System Operator (MISO) in December 2011

## The MVP Portfolio

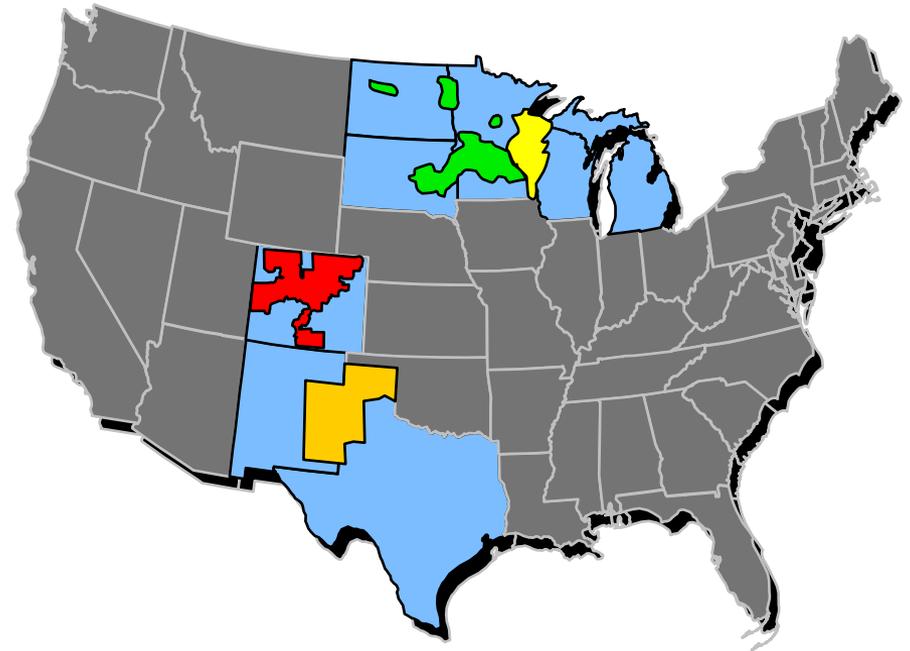
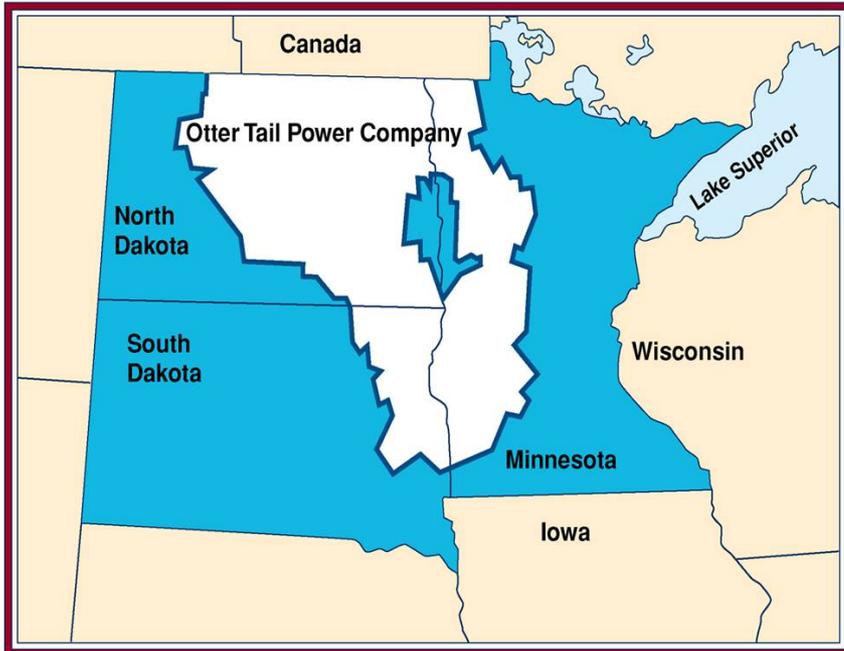
- Enable Development of future generation
- Provide Regional Economic Value
- Increase Regional Reliability



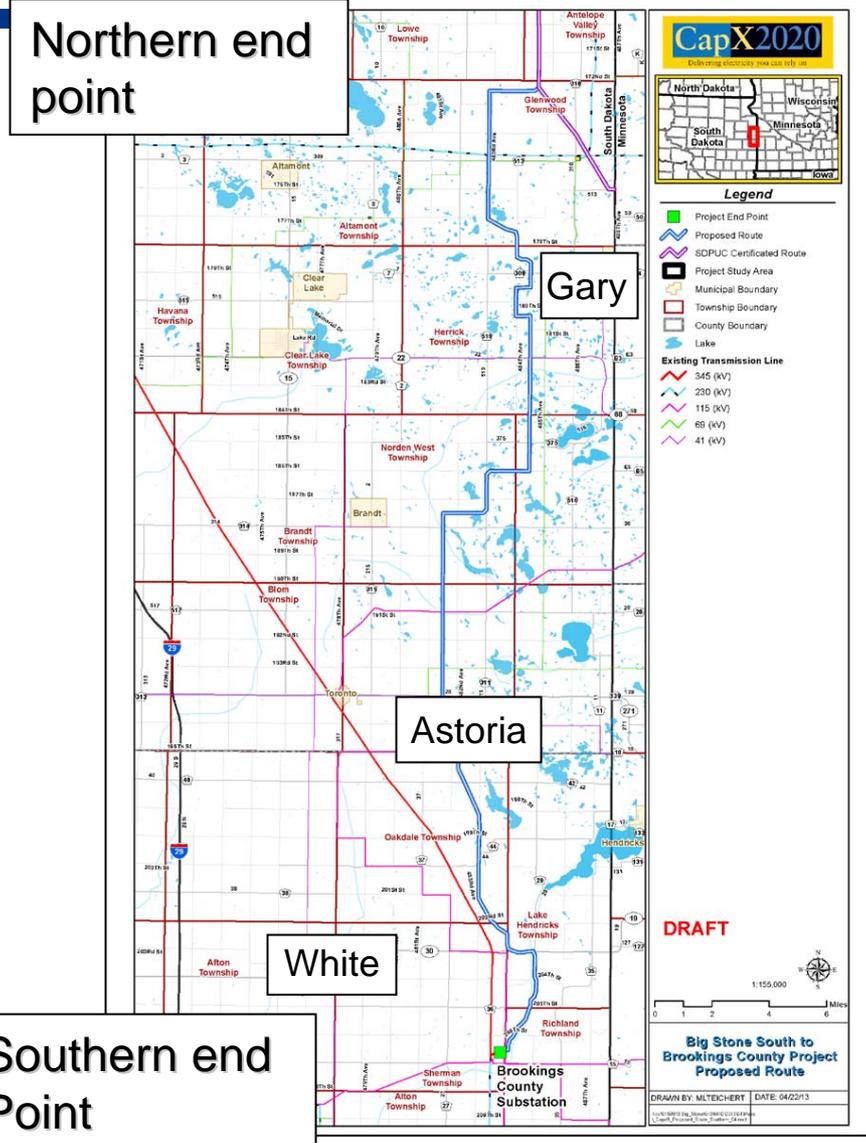
# Project Proposers



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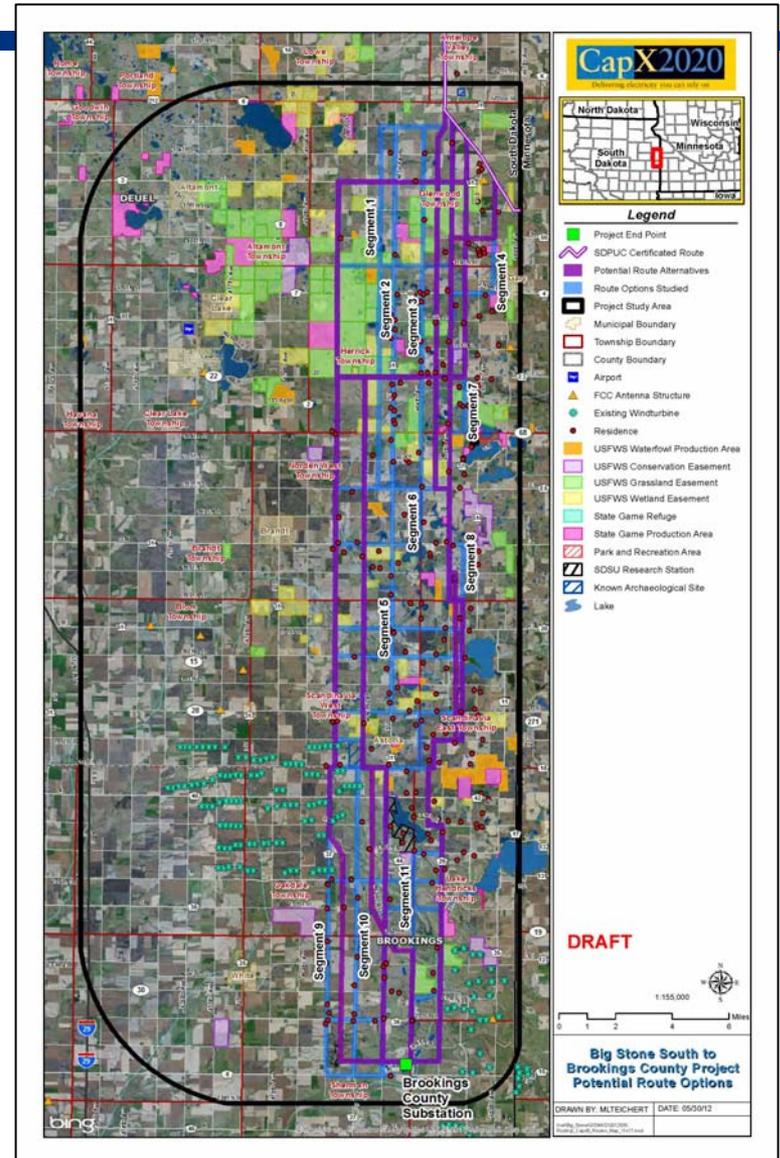


# Proposed Route



# Routing Process

- Minimizing impacts to people
- Following existing right-of-way, property and/or section lines
- Minimizing effects on archaeological and historic resources
- Avoiding impacts to rare or endangered species and unique natural resources
- Minimizing the total length
- Avoiding airports or other land use conflicts



# Communications/Public Outreach

*Priority on public participation*

- Outreach to local and state officials
- Emphasis on listening and providing information
- Open houses
- Public information materials
  - Fact sheets
  - Newsletters
  - Direct mail
  - CapX2020 website
  - Newspaper ads
- Landowner Contacts





# Project Schedule

<b>Activity</b>	<b>Duration or Anticipated End Date</b>
Negotiate Easement Options	February 2013 – Present
Commission Route Permit Review	June 2013 – March 2014
Transmission Line and Substation Design	February 2013 – December 2015
Acquire Easements	July 2014 – August 2015
Transmission Line and Substation Construction	September 2015 – September 2017
Project In-Service	October 2017

# Construction

- Foundations
- Structure Placement
- Line Stringing
- Restoration



# Drilling Foundation



# Pouring and Finished Foundation



# Structure Placement



# Line Stringing



# Restoration



# Post Construction





# Project Contacts

## Xcel Energy

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- Joe Samuel (612) 337-2338  
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## Otter Tail Power Company

- Dean Pawlowski (218) 739-8947  
[dpawlowski@otpc.com](mailto:dpawlowski@otpc.com)

## Project Website

[www.capx2020.com](http://www.capx2020.com)

