

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

David C. Boyd
J. Dennis O'Brien
Thomas Pugh
Phyllis A. Reha
Betsy Wergin

Chair
Commissioner
Commissioner
Commissioner
Commissioner

In the Matter of the Application of Otter Tail
Power Company and Others for a Route
Permit for the Big Stone Transmission
Project in Western Minnesota

ISSUE DATE: March 17, 2009

DOCKET NO. E-017, ET-6131, ET-6130,
ET-6144, ET-6135, ET-10/TR-05-1275

ORDER ISSUING ROUTE PERMIT

PROCEDURAL HISTORY

On December 9, 2005, a consortium of seven Minnesota transmission owners – Central Minnesota Municipal Power Agency (CMMPA), Great River Energy (GRE), Heartland Consumers Power District (Heartland), Montana-Dakota Utilities Company (Montana-Dakota), Otter Tail Corporation d/b/a Otter Tail Power Company (Otter Tail), Southern Minnesota Municipal Power Agency (SMMPA), and Western Minnesota Municipal Power Agency (WMMPA) – filed an application for route permits to build or upgrade existing transmission facilities in the southwestern part of the state, including the following:

- A line and associated facilities with the capacity to transmit 230 kilovolts (kV) from the South Dakota border to the Morris substation, crossing through the counties of Big Stone and Stevens. This project would entail building a new line from Big Stone City, South Dakota, to Ortonville, Minnesota, and upgrading an existing line connecting Ortonville to Johnson Junction to Morris.
- An additional 345 kV transmission line and associated facilities from the South Dakota border to the Granite Falls substation, crossing Lac Qui Parle, Yellow Medicine and Chippewa counties. This project would entail building a new line from Big Stone City to Canby, Minnesota, and upgrading an existing line from Canby to Granite Falls. The line would be operated at 230 kV until it was connected to a 345 kV line being built to transmit wind power generated in southwest Minnesota.

On December 21, 2005, the Commission issued an Order accepting the route permit application as complete. In that Order the Commission directed the Office of Energy Security (OES) of the Minnesota Department of Commerce (the Department) to –

- conduct a full review of the matter under Minnesota Rules, parts 7849.5200-.5340,¹
- designate a public advisor in this case, and
- in lieu of organizing an Advisory Task Force, consult and inform local governments, enlisting their advice on the appropriate scope of the environmental impact states (EIS)² and route alternatives the OES would be developing.

In addition, the Commission referred this matter to the Minnesota Office of Administrative Hearings for contested case proceedings. The Office of Administrative Hearings assigned Administrative Law Judges (ALJs) Steve M. Mihalchick and Barbara L. Neilson to preside over this matter.

From January 24 - 26, 2006, OES convened public meetings in Benson, Morris, and Ortonville, Minnesota, to provide information about the project and solicit advice regarding to content of the EIS.

On February 13, 2006, the Minnesota Department of Natural Resources (DNR) filed comments on the appropriate scope of the EIS.

On February 28, 2006, the Department issued its decision establishing the scope of the EIS.

On July 31, 2007, the Department released a draft EIS for public comment.

From October 9 - 16, Administrative Law Judges convened hearings for members of the public to express their views regarding the proposed and alternative routes. The Administrative Law Judges invited written comments from the public through October 31. The Administrative Law Judges received comments from the applicants, DNR, the South Dakota Governor's Office of Economic Development, the United States Department of Energy's Western Area Power Administration (WAPA), and collectively from the Minnesota Center for Environmental Advocacy, the Union of Concerned Scientists, the Izaak Walton League – Midwest Office, Fresh Energy, and Wind on the Wires (the Joint Intervenors).

On December 1, 2006, the Department filed its final EIS. On December 11, the applicants filed comments supporting the EIS.

In December, 2006, the Administrative Law Judges convened evidentiary hearings.

On August 16, 2007, the Administrative Law Judges filed their Findings of Fact, Conclusions of Law, and Recommendation (First ALJs' Report). They recommended that the Commission find that the EIS was adequate and grant the requested route permits. No party filed exceptions to this part of the report.

¹ During the course of these proceedings, parts of Minn. Rules Chap. 4400 were re-codified at Minn. Rules Chap. 7849. The revised citations are used throughout this Order.

² An Environmental Impact Statement (EIS) is required for the route permit. Minn. R., part 7849.5300.

On September 18, 2007 – before the Commission could act on the case – the applicants filed a letter stating that two of the original applicants, GRE and SMMPA, were withdrawing from the project. Thereafter, lengthy proceedings ensued regarding the remaining applicants’ petition for a certificate of need under Minn. Stat. § 216B.243.³ But the record regarding the route permit application has not changed appreciably since this time.

On May 30, 2008, OES filed comments and recommendations, including a draft route permit.

On January 7, 2009, OES revised its comments and recommendations, including the draft route permit.

This matter, in conjunction with the applicants’ petition for a certificate of need, came before the Commission on January 15, 2009, and the record closed on this date.⁴

FINDINGS AND CONCLUSIONS

I. Summary of Order

In this Order the Commission selects routes for the proposed transmission lines that minimize adverse consequences for people and the environment. The final alignment will be located within the approved routes.

To assure that the designated routes meet the legal requirement that they minimize adverse human and environmental effects, the Commission accepts and applies the conditions contained in the Route Permit for Construction of Two High Voltage Transmission Lines and Substation Upgrades in Western Minnesota. A copy of that permit is attached. The route permit’s provisions become part of every easement agreement between the applicants and landowners, whether the easement arose before or after the date of this Order.

II. Legal Standard

Before building facilities capable of conducting 100 kV more than 1500 feet,⁵ a person must obtain from the Commission a route permit identifying the authorized route.⁶ The process and criteria for obtaining a transmission line route permit are set forth at Minn. Stat. Chap. 216E and Minn. Rules Chap. 1405 and 7849. In brief, the Commission selects the route that minimizes the harm to

³ *In the Matter of the Application of Otter Tail Power Company and Others for Certification of Transmission Facilities in Western Minnesota*, Docket No. ET-6131, ET-2, ET-6130, ET-10, ET-6444, E-017, ET-9/CN-05-619.

⁴ Minn. Stat. § 14.61, subd. 2.

⁵ Minn Stat. § 216E.01, subd. 4.

⁶ Minn Stat. § 216E.03, subd. 2.

people and the environment consistent with maintaining system reliability and integrity.⁷ In making this judgment the Commission considers the factors listed in Minn. Rules, part 7849.5910:

- A. effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services;
- B. effects on public health and safety;
- C. effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining;
- D. effects on archaeological and historic resources;
- E. effects on the natural environment, including effects on air and water quality resources and flora and fauna;
- F. effects on rare and unique natural resources;
- G. application of design options that maximize energy efficiencies, mitigate adverse environmental effects, and could accommodate expansion of transmission or generating capacity;
- H. use or paralleling of existing rights-of-way, survey lines, natural division lines, and agricultural field boundaries;
- I. use of existing large electric power generating plant sites;
- J. use of existing transportation, pipeline, and electrical transmission systems or rights-of-way;
- K. electrical system reliability;
- L. costs of constructing, operating, and maintaining the facility which are dependent on design and route;
- M. adverse human and natural environmental effects which cannot be avoided; and
- N. irreversible and irretrievable commitments of resources.

The Commission must also abide by the limitations set forth in Minn. Rules, part 7849.5930, Prohibited Routes.

Finally the Commission must rule on the adequacy of the Environmental Impact Statement prepared to aid the Commission's analysis of this matter.⁸

Where material facts are in dispute, the Commission refers cases to the Office of Administrative Hearings for a contested case proceeding.⁹

III. The Proposed Project and the Proposed Route

The applicants seek to build two transmission lines and related facilities in southwestern Minnesota. While the applicants emphasize that the proposed lines would help strengthen the regional power grid in general, their primary rationale for the lines arises from the anticipated need

⁷ Minn. Stat. § 216E.02, subd. 1.

⁸ Minn. Rules, part 7849.5300.

⁹ Minn. Rules, part 7829.1000.

to accommodate power from Big Stone Unit II, a coal-fueled power plant they plan to build adjoining the existing coal-fueled power plant in Big Stone, South Dakota (Big Stone Unit I). In addition, the applicants argue that their proposed lines would facilitate the transmission of electricity generated from wind turbines along the Buffalo Ridge region of Minnesota and South Dakota.

More specifically, the applicants propose to build the following two lines.

- A. A transmission line from the South Dakota border to Morris, Minnesota, traversing the counties of Big Stone and Stevens, and including the following:
- A new 230 kV transmission line, continuing the new line from the Big Stone Plant in South Dakota, crossing the state line and extending approximately two miles to Ortonville, Minnesota.
 - Modifications to an existing 115 kV transmission line extending approximately 25 miles from Ortonville, Minnesota, to the switching station located in Johnson, Minnesota, then extending approximately 16 miles to the Morris substation near Morris, Minnesota, resulting in the entire line having a capacity of 230 kV.

This project would also entail adding facilities to the Johnson Junction switching station and the Morris Substation, and removing approximately 1.2 miles of 115 kV transmission lines from the Ortonville substation.

- B. A transmission line from the South Dakota border to Granite Falls, Minnesota, traversing Lac Qui Parle, Yellow Medicine and Chippewa counties, and including the following:
- A new 345 kV transmission line, continuing the new line from the Big Stone Plant, South Dakota, crossing the state line and extending approximately 14 miles to Canby, Minnesota.
 - Modifications to an existing 115 kV transmission line extending approximately 39 miles from Canby, Minnesota, to the substation in Granite Falls, Minnesota, resulting in the entire line having a capacity of 345 kV.

This project would also entail moving the Canby substation, and approximately one mile of 115 kV transmission line, a distance of one mile northeast from its current site.

The applicants explored a variety of alternative routes, but only proposed one for consideration: replacing the proposed Morris line with a line to Willmar, Minnesota.

The applicants ask the Commission not only to authorize the applicants to build the proposed lines along their preferred routes, but also to build anywhere within a 2000-foot-wide corridor along those routes. The applicants argue that a wider corridor grants them additional flexibility in locating transmission line structures, enabling the applicants to better accommodate landowner concerns.

IV. The Environmental Impact Statement (EIS)

The Department's EIS addresses both the applicants' petition for a certificate of need and a route permit.¹⁰

In defining the appropriate scope of the EIS, the Department deferred consideration of generation alternatives or substitutions at the proposed Big Stone II plant site in South Dakota to the federal Environmental Impact Statement being prepared by the Western Area Power Administration (WAPA). This decision was supported by the applicants, the South Dakota Governor's Office of Economic Development, and WAPA, but opposed by the Joint Intervenors. The EIS conformed to the parameters of the scoping decision.

The EIS also incorporated certain recommendations of the DNR, including the following:

- While the applicants may receive a permit for a 2000-foot-wide corridor, all else being equal the applicants should build each new transmission line as closely as possible in the location of the old line it is replacing.
- The applicants should consult with the DNR Area Wildlife Manager regarding construction along a specified section of the Morris line route. Avian Flight Diverters should be employed due to the presence of a primary migratory flight corridor along the chain of wetlands, lakes and native grasslands in the area.
- Along the Granite Falls line route, the applicants should remove the pole(s) in the wetland on Lanners Wildlife Management Area and replace them with new poles appropriately spaced to span this open water area.

The applicants concurred with the Department's EIS.

V. The First ALJs' Report

The First ALJs' Report addressed both the need for and the appropriate routes for the applicants' proposed transmission lines, as well as the adequacy of the EIS. In preparing this report the Administrative Law Judges presided over an evidentiary hearing and six public hearings. They reviewed the testimony of multiple witnesses and dozens of exhibits. They observed the demeanor of the witnesses and evaluated the parties' initial and reply briefs. Their report is thoughtful, comprehensive, and thorough, including 364 findings of fact, 15 conclusions, and ultimately five recommendations.

¹⁰ An Environmental Report (ER) is required for a certificate of need. Minn. Rules, pts. 7849.7010 - .7110. An Environmental Impact Statement (EIS) is required for the route permit. Minn. Rules, pt. 7849.5300. These documents may be combined. Minn. Rules, pt. 7849.7100. The Commission authorized this combination. See Order Agreeing to Combining the Environmental Report and the Environmental Impact Statement Documents (November 29, 2005), this docket.

Having examined the record and carefully considered the ALJ's Report, the Commission concurs in all the findings and conclusions pertaining to the EIS and route permit. Consequently the Commission will approve, adopt and incorporate herein the ALJs' findings of fact and conclusions, and will rely on them in evaluating the EIS and the required regulatory criteria for a route permit.

VI. Analysis

A. Environmental Impact Statement

Before approving a route permit the Commission must determine under Minn. Rules, part 7849.5300, subp. 10, whether the environmental impact statement (EIS) –

- Addresses the issues and alternatives raised in scoping to a reasonable extent considering the availability of information and the time limitations for considering the permit application;
- Provides responses to the timely substantive comments received during the draft environmental impact statement review process; and
- Was prepared in compliance with the procedures in Minn. Rules, parts 7849.5010 to 7849.6500.

The EIS addresses the issues established in the February 28, 2006 scoping decision, and both the Department and the Administrative Law Judges correctly found that issues pertaining to the emissions from the Big Stone II plant were beyond the relevant scope of these proceedings. The EIS provides responses to comments received on the Draft EIS. And the Department prepared the EIS in accordance with the appropriate procedures.

Based on the best available evidence, including Findings 338 - 355 of the First ALJs' Report, the Commission finds that these criteria have been fulfilled. The EIS is adequate for purposes of this proceeding.

B. Minnesota Rules, Parts 7849.5910 and .5930

As discussed above, the Commission must select transmission line routes based on consideration of the factors listed in Minnesota Rules, part 7849.5910 and .5930. The Commission will address the relevant factors in turn.

1. Effects on human settlement, including, but not limited to, displacement, noise, aesthetics, cultural values, recreation, and public services

The proposed lines are in primarily agricultural areas, thereby limiting their effect on human settlement. There is no evidence that the construction or operation of the proposed transmission lines would displace an occupied residence or business, affect property values, violate state noise standards or have a long-term effect on present recreational opportunities in the area.

Because each route will follow existing rights-of-way for the majority of its length, the applicants propose to acquire only about 14 miles of new right-of-way. The applicants' preferred routes come within 100 feet of one home, and within 300 feet of eight homes. The applicants request a wide corridor in order to have greater flexibility for accommodating the concerns of landowners.

Of course, construction will cause temporary changes in the immediate vicinity – involving both the noise and inconvenience of construction as well as the increased economic activity triggered by the arrival of new workers in the area.

Based on the best available evidence, including Findings 243 - 248 of the First ALJs' Report, the Commission finds that applicants' preferred routes will have no greater effect on human settlement than any other route.

2. Effects on public health and safety

There is no evidence that the transmission lines would have any effect public health or safety due to electromagnetic fields or stray voltage, and no party raised any other significant concerns. Based on the best available evidence, including Findings 257 - 258 of the First ALJs' Report, the Commission finds that applicants' preferred routes will have no greater impact on public health and safety than any other route.

3. Effects on land-based economies, including, but not limited to, agriculture, forestry, tourism, and mining

Any modern economy depends upon a reliable supply of affordable electricity, and that supply depends upon transmission facilities such as the ones proposed here. More particular to the area where the applicants proposed to build, the region's growing ethanol and wind-power industries will benefit from an enhanced electric grid.

The largest industry along the route, however, is agriculture. The applicants estimate that the proposed transmission line projects will permanently affect 25 acres of farmland, including roughly ten acres required to expand two substations. The construction process is expected to have a temporary effect on more than 600 acres, and will result in some crop damage and soil compaction. The applicants have asked the Commission to grant them a 2000-foot corridor to provide flexibility for accommodating landowner concerns about the location of specific structures. And the applicants will compensate landowners along the route for both permanent and temporary effects.

Based on the best available evidence, including Findings 253 - 256 of the First ALJs' Report, the Commission finds that applicants' preferred routes are at least as favorable to land-based economies as any other route.

4. Effects on archaeological and historic resources

The applicants commit to making every effort to avoid affecting identified archaeological and historical resources along the routes. They have identified three archaeological sites within 500 feet of their preferred routes, and 140 sites within a mile of those routes.

The Western Area Power Administration – one of four power marketing administrators under the federal Department of Energy — is responsible for ensuring compliance with the National Historic Preservation Act, and such matters are more appropriately addressed in the federal Environmental Impact Statement.

Based on the best available evidence, including Findings 257 - 258 of the First ALJs' Report, the Commission finds that applicants' preferred routes will have no greater effect on archaeological and historic resources than any other route.

5. Effects on the natural environment, including effects on air and water quality resources and flora and fauna

The record does not indicate that the proposed lines will have much effect on the natural environment. Most directly, construction will temporarily impair the air quality due to dust and exhaust from construction vehicles, and may temporarily impair water quality due to sediment in the waterways.

The preferred routes pass within a mile of 13 Wildlife Management Areas and nine Waterfowl Protection Areas, and come close to the Big Stone National Wildlife Refuge. Also, the applicants anticipate the need to install five permanent structures within wetlands. But the Administrative Law Judges conclude that none of this should have a significant consequence to the natural environment. The applicants have agreed, however, to modify one proposed route to avoid a parcel of land on which the federal Fish and Wildlife Service is pursuing a grassland easement.

Based on the best available evidence, including Findings 259 - 263 of the First ALJs' Report, the Commission finds that applicants' preferred routes will have no greater effect on the natural environment than any other route.

6. Effects on rare and unique natural resources

The applicants and the Department identified a number of rare and unique natural resources along the applicants' preferred routes. The applicants will consult with the Minnesota Department of Natural Resources and the United States Fish and Wildlife Service in developing plans to avoid harming, or minimize and mitigate any harm to, these resources.

Based on the best available evidence, including Findings 264 - 265 of the First ALJs' Report, the Commission finds that applicants' preferred routes will have no greater effect on rare and unique natural resources than any other route.

7. Application of design options that maximize energy efficiencies, mitigate adverse environmental effects, and could accommodate expansion of transmission or generating capacity

The applicants attempt to accommodate expansion of transmission or generation capacity by building the Granite Falls line with a capacity of 345 kV rather than 230 kV so as to serve new wind generators in the state's southwestern corner.

The applicants' preferred routes maximize energy efficiencies. Because the preferred routes are shorter than the alternatives, they minimize the amount of energy lost through transmission. Also, building the Granite Falls line with a capacity of 345 kV further reduces line losses, even if the applicants operate the line at 230 kV.

Based on the best available evidence, including Findings 266 - 267 of the First ALJs' Report, the Commission finds that applicants' preferred routes reflect design options intended to maximize energy efficiencies, mitigate environmental effects and accommodate expansion of transmission and generation capacity.

8. Use or paralleling of existing rights-of-way, survey lines, natural division lines, and agricultural field boundaries

The applicants favor placing each proposed line within the applicants' existing rights of way for a majority of its length. Outside of the applicants' rights-of-way, the applicants propose to route the lines along transportation rights-of-way, agricultural section lines and field lines whenever possible, in consultation with landowners.

Based on the best available evidence, including Findings 268 - 270 of the First ALJs' Report, the Commission finds that applicants' preferred routes use or parallel existing rights-of-way, survey lines, natural division lines, and agricultural field boundaries as well as any alternative.

9. Use of existing large electric power generating plant sites

While the applicants do propose to build Big Stone Unit II adjoining the existing Big Stone Unit I, the Administrative Law Judges found that this matter is not directly relevant to routing permits for transmission lines. The Commission concurs.

10. Use of existing transportation, pipeline, and electrical transmission systems or rights-of-way

Again, the applicants favor placing each proposed line within the applicants' existing rights of way, and otherwise to route the lines along transportation rights-of-way, agricultural section lines and field lines whenever possible.

Based on the best available evidence, including Findings 268 - 270 of the First ALJs' Report, the Commission finds that applicants' preferred routes makes use of existing rights-of-way as well as any alternative.

11. Electrical system reliability

The applicants' interconnection study demonstrates that their proposed routes are the optimal way to integrate the generation from Big Stone Unit II into the grid. According to the Midwest Independent Transmission System Operator, Inc. – the federally-regulated administrator of the regional transmission grid – the proposed transmission lines will help system reliability regardless of the construction of the proposed Big Stone Unit II.

Based on the best available evidence, including Findings 271 - 272 of the First ALJs' Report, the Commission finds that applicants' preferred routes will have the effect of enhancing the electrical system's reliability.

12. Costs of constructing, operating, and maintaining the facility which are dependent on design and route

The preferred routes are shorter and fall within more existing rights-of-way – and are therefore less expensive – than any alternative. And while building the Granite Falls line with a capacity of 345 kV will be more expensive than building it with a capacity of 230 kV, the added cost will be offset by lower line losses and increased capacity.

Based on the best available evidence, including Findings 273 - 274 of the First ALJs' Report, the Commission finds that applicants' preferred routes make will have the effect of enhancing the electrical system's reliability.

13. Adverse human and natural environmental effects which cannot be avoided

While the proposed transmission lines will unavoidably consume land and affect aesthetics, the alternative route under consideration would have a still greater impact. Based on the best available evidence, including Finding 275 of the First ALJs' Report, the Commission finds that applicants' preferred routes will minimize unavoidable adverse human and natural environmental effects.

14. Irreversible and irretrievable commitments of resources

Building the proposed transmission lines will require the irreversible and irretrievable commitment of aggregate, concrete, steel, fuel and labor. Because the applicants' preferred routes are shorter, they will require commitments of fewer resources than other alternatives. Based on the best available evidence, including Finding 276 of the First ALJs' Report, the Commission finds that applicants' preferred routes will minimize the irreversible and irretrievable commitments of resources.

15. Prohibited routes

Minn. Rules, part 7849.5930, limits the practice of routing transmission lines through state or national wilderness areas, state or national parks, and state scientific and natural areas. The applicants' preferred routes do not traverse any of these areas.

16. Conclusion

Based on the record of this proceeding, including the First ALJs' Report, the Commission finds that applicants' preferred routes will minimize the transmission lines' effect on humans and the environment.

VII. Commission Action

Having conducted its own review of the record and applied the law to the factual findings of the ALJs, the Commission concurs with the Administrative Law Judges that the EIS fulfills the statutory and regulatory standards, and provides an adequate basis for evaluating the route permit petition.

The Commission further concurs that the applicants have fulfilled the statutory and regulatory requirements to receive permission to build the proposed transmission lines in their preferred routes. Consequently the Commission will again adopt the recommendations from the First ALJs' Report and grant the applicants' petition.

On the basis of the record of this proceeding, the Commission issues the Route Permit for Construction of Two High Voltage Transmission Lines and Substation Upgrades in Western Minnesota. This permit incorporates the recommendations of the DNR noted above, and includes complaint handling procedures and the transmission line route maps.

ORDER

1. The Commission approves, adopts and incorporates herein the August 15, 2007 Findings of Fact, Conclusions of Law, and Recommendation to the extent that it does the following:
 - A. Determines that the environmental impact statement (EIS) and record created at the public hearings address the issues identified in the Department's EIS Scoping Decision of February 28, 2006.
 - B. Recommends issuing a route permit for the transmission lines (a 230 kV line from the South Dakota border to the Morris Substation and a 345 kV line from the South Dakota border to the Granite Falls Substation) along the route preferred by the applicants and construction of the lines, substations, and other associated facilities described in the applications, including a new site for the Canby Substation as described in the record.
2. The Commission hereby issues to the applicants the attached Route Permit for Construction of Two High Voltage Transmission Lines and Substation Upgrades in Western Minnesota as proposed by OES on January 7, 2009, for the following projects:
 - A. A transmission line from the South Dakota border to Morris, Minnesota, traversing the counties of Big Stone and Stevens, and including the following:
 - A new 230 kV transmission line, continuing the new line from the Big Stone Plant in South Dakota, crossing the state line and extending approximately two miles to Ortonville, Minnesota.
 - Modifications to an existing 115 kV transmission line extending approximately 25 miles from Ortonville, Minnesota, to the switching station located in Johnson, Minnesota, then extending approximately 16 miles to the Morris substation near Morris, Minnesota, resulting in the entire line having a capacity of 230 kV.

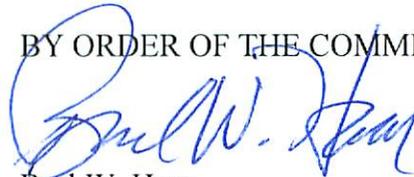
This project will also entail adding facilities to the Johnson Junction switching station and the Morris Substation, and removing approximately 1.2 miles of 115 kV transmission lines from the Ortonville substation.

- B. A transmission line from the South Dakota border to Granite Falls, Minnesota, traversing Lac Qui Parle, Yellow Medicine and Chippewa counties, and including the following:
- A new 345 kV transmission line, continuing the new line from the Big Stone Plant, South Dakota, crossing the state line and extending approximately 14 miles to Canby, Minnesota.
 - Modifications to an existing 115 kV transmission line extending approximately 39 miles from Canby, Minnesota, to the substation in Granite Falls, Minnesota, resulting in the entire line having a capacity of 345 kV.

This project will also entail moving the Canby substation, and approximately one mile of 115 kV transmission line, a distance of one mile northeast from its current site.

3. This Order shall become effective immediately.

BY ORDER OF THE COMMISSION



Burl W. Haar
Executive Secretary



(SEAL)

This document can be made available in alternative formats (i.e. large print or audio tape) by calling 651.201.2202 (voice). Persons with hearing or speech disabilities may call us through Minnesota Relay at 1.800.627.3529 or by dialing 711.

**ROUTE PERMIT
FOR CONSTRUCTION OF
TWO HIGH VOLTAGE TRANSMISSION LINES
AND SUBSTATION UPGRADES IN
WESTERN MINNESOTA**

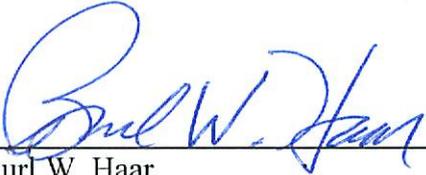
**ISSUED TO
OTTER TAIL CORPORATION, d/b/a OTTER TAIL POWER
COMPANY, AND PARTNERS
DOCKET No. E017, et al. /TR-05-1275**

In accordance with the requirements of Minnesota Statutes § 216E.03 and Minnesota Rules, parts 7849.5010-.6500, this Route Permit is hereby issued to OTTER TAIL CORPORATION, d/b/a OTTER TAIL POWER COMPANY, AND PARTNERS.

OTTER TAIL POWER COMPANY, CENTRAL MINNESOTA MUNICIPAL POWER AGENCY, HEARTLAND CONSUMERS POWER DISTRICT, MONTANA-DAKOTA UTILITIES COMPANY AND WESTERN MINNESOTA MUNICIPAL POWER AGENCY are authorized by this route permit to construct a new 230 kilovolt high voltage transmission line and associated facilities approximately 41 miles long between the South Dakota border west of Ortonville in Big Stone County and the Morris Substation in Stevens County, and a new 345 kV high voltage transmission line and associated facilities approximately 53 miles long between the South Dakota border west of Canby and the Granite Falls Substation in Yellow Medicine County. The project shall be built along the route identified in this Permit and portrayed in the attached maps and in compliance with the conditions specified in this Permit.

Approved and adopted this 17th day of March, 2009.

BY ORDER OF THE COMMISSION



Burl W. Haar,
Executive Secretary

I. ROUTE PERMIT

The Minnesota Public Utilities Commission (Commission) hereby issues this Route Permit to Otter Tail Power Company and Partners (Partners or Permittees) pursuant to Minnesota Statutes section 216E.03 and Minnesota Rules Chapter 7849.5010-.6500. The Partners comprise Otter Tail Corporation (d/b/a Otter Tail Power Company), Central Minnesota Municipal Power Agency, Heartland Consumers Power District, Montana-Dakota Utilities Company, and Western Minnesota Municipal Power Agency (as represented by Missouri River Energy Services).

This permit authorizes the Partners to construct a 230 kilovolt high voltage transmission line in Big Stone and Stevens Counties, Minnesota, build a Johnson Junction Substation, construct a 345 kilovolt high voltage transmission line in Yellow Medicine County, Minnesota, and relocate and update the Canby Substation.

II. PROJECT DESCRIPTION

This Permit authorizes the Partners to construct two new high voltage transmission lines and a new substation and to relocate one substation along with the associated transmission lines.

One new transmission line is a 230 kilovolt (kV) line that runs from the Big Stone Substation in South Dakota to the Morris Substation near Morris, Minnesota, a total of approximately 48 miles, about 43 miles of which are in Minnesota. The second high voltage transmission line is a 345 kV line between the Big Stone Substation to the Granite Falls Substation in Yellow Medicine County, Minnesota, a distance of 90 miles, 54 miles of which would be in Minnesota.

The Big Stone to Morris transmission line will be constructed at 230 kV. Unless different structures are requested by the Partners and authorized by the Plan and Profile procedures in this permit as specified below in Section IV, the Partners are authorized to use H-frame steel or wood structures for the 230 kV transmission line and single pole structures as required. The structures will be between 70 and 100 feet in height with an average span of 700 feet. The conductor is proposed to be 1272 ACSR or 954 ACSS for each phase. The right-of-way (ROW) for this 230 kV line will be 125 feet. A double-circuit 230 kV/115 kV transmission line structure will be necessary in Ortonville, crossing the Minnesota River.

The Big Stone to Granite Falls transmission line will be constructed at 345 kV. Unless different structures are requested by the Partners and authorized by the Plan and Profile procedures in this permit as specified below in Section IV, the Partners are authorized to use H-frame steel or wood structures for the 345 kV transmission line and single pole structures as required. The structures will be between 80 to 120 feet in height with an average span of 800 feet. The conductor is proposed to be bundled (two conductors) 1272 SCSR or bundled 954 ACSS for each phase. The ROW for this 345 kV line will be 150 feet. A short 230 kV segment will run from Hazel Township to the Granite Falls Substation.

III. DESIGNATED ROUTE AND SUBSTATION SITES

A. The 230 kV High Voltage Transmission Line.

The route designated by the Commission is described below and shown on the maps in Attachment 2 to this Permit. The approved route extends from the South Dakota Border at Ortonville and proceeds east to the Morris Substation, including:

- a new 230 kV transmission line from the Big Stone Plant to Ortonville, Minnesota, two miles of which are located in Minnesota;
- the rebuild of an existing 115 kV transmission line to 230 kV from Ortonville, Minnesota, to the Johnson Junction Substation located in Johnson, Minnesota (approximately 25 miles), and then from the Johnson Junction Substation to the Morris substation near Morris, Minnesota (approximately 16 miles) and the removal of about 1.2 miles of 115 kilovolt transmission line from the Ortonville substation.

As defined in the maps in Appendices B.1-B.3 of the Environmental Impact Statement, the approved route consists of the following route segments in Minnesota: **M1, M2, M3, M5, M7, M9, M10 and M17**. The final approved route is also shown in Maps 1-3, attached to this permit. Except as modified in the Special Conditions, Section V of this Permit, the route has an allowed corridor width of 1000 feet on either side of the route centerline to allow the Partners final right-of-way design flexibility.

B. The 345 kV High Voltage Transmission Line.

The route designated by the Commission is described below and shown on the maps in Attachment 2 to this Permit.

- a new line capable of operating at 345 kV approximately 14 miles long crossing the Minnesota-South Dakota border due west of Canby and running to the Canby Substation;
- the rebuild of an existing 115 kV transmission line from Canby, Minnesota, to Granite Falls, Minnesota (approximately 39 miles) designed and capable of operating at 345 kV, but which would operate at 230 kV initially. For approximately nine miles from Hazel Run Township to Granite Falls, the line will be constructed to 230 kV standards. The line will terminate at the Granite Falls Substation.

As defined in the maps in Appendices B.9-B.16 of the Environmental Impact Statement, the approved route consists of the following route segments in Minnesota: **G14, G15A, G15B, G17, G21, G30, G31, G33A, G33B, G34A, G34B, G39, G45, G49, G50 and G53**. The final approved route is also shown in Maps 4-6, attached to this permit. Except as modified in the Special Conditions, Section V of this Permit, the route has an allowed corridor width of 1000 feet on either side of the route centerline to allow the Partners final right-of-way design flexibility.

C. Modifications at the Johnson Junction Switch Station and Modifications and Relocation of the Canby Substation

A new substation to accommodate the 230 kV Morris transmission line will be constructed adjacent to the Johnson Junction switch station on approximately four acres directly south of the existing fenced area. The new Johnson Junction Substation will include a new 3-breaker ring-bus, 3-phase 230/115 kV transformer, 115 kV breaker, control house for relaying and fencing to enclose the yard. The location of the new substation is portrayed in Map 7 attached.

Modifications to the Canby Substation include a new 230 kV 3-position ring-bus, 3-phase 230/115/41.6 kV transformer, 115 kV breakers, control house for relaying and fencing to enclose the yard. A 345/115/41.6 kV transformer will replace the 230/115/41.6 kV transformer when the Granite Falls transmission line is re-energized at 345 kV. The substation will be relocated approximately one mile northeast of the existing facility along U.S. Highway 75 in the SW ¼ of the SW ¼ of Section 19 of Oshkosh Township in order to move the substation out of the floodplain. The new substation location is portrayed in Map 8 attached.

Modifications at the terminal at the Morris and Granite Falls substations fall under the jurisdiction of the Western Area Power Administration and are not addressed under this permit.

IV. GENERAL CONDITIONS

The Permittees shall comply with the following conditions during construction of the transmission line and associated facilities and the life of this Permit.

A. Plan and Profile. At least 14 days before right-of-way preparation for construction begins, the Permittees shall provide the Commission with a plan and profile of the right-of-way and the specifications and drawings for right-of-way preparation, construction, cleanup, and restoration for the transmission line and the substation site. The Permittees may not commence construction until the 14 day period has expired or until the Commission has advised the Permittees in writing that it has completed its review of the documents and determined that the planned construction is consistent with this permit. If the Permittees intends to make any significant changes in its plan and profile or the specifications and drawings after submission to the Commission, the Permittees shall notify the Commission at least five days before implementing the changes. No changes shall be made that would be in violation of any of the terms of this permit.

B. Construction Practices.

- 1. Application.** The Permittees shall follow those specific construction practices and material specifications described in the Permit Application to the Minnesota Public Utilities Commission for a Route Permit for the Big Stone Transmission Project dated December 9, 2005, Commission Docket E017, et al./TR-05-1275, unless this Permit establishes a different requirement in which case this Permit shall prevail.

2. **Field Representative.** At least ten days prior to commencing construction, the Permittees shall advise the Commission in writing of the person or persons designated to be the field representative for the Permittees with the responsibility to oversee compliance with the conditions of this Permit during construction. This person's address, phone number, and emergency phone number shall be provided to the Commission, which may make the information available to local residents and public officials and other interested persons. The Permittees may change the field representative at any time upon written notice to the Commission.
3. **Cleanup.** All waste and scrap that is the product of construction shall be removed from the area and properly disposed of upon completion of each task. Personal litter, including bottles, cans, and paper from construction activities shall be removed on a daily basis.
4. **Vegetation Removal.** The Permittees shall minimize the number of trees to be removed as part of the construction of the line, taking into account Permit Condition IV.H.1, which recognizes that the Permittees have obligations to comply with clearance requirements.
5. **Erosion Control.** The Permittees shall implement reasonable measures to minimize runoff during construction and shall plant or seed non-agricultural areas that were disturbed where structures are installed. Upon request, the Permittees shall submit to the Commission a copy of any Soil Erosion and Sediment Control Plan prepared for the Minnesota Pollution Control Agency as part of a storm-water runoff permit application.
6. **Temporary Work Space.** The Permittees shall limit temporary easements to special construction access needs and additional staging or lay-down areas required outside of the authorized right-of-way.
7. **Restoration.** The Permittees shall restore all temporary work spaces, access roads, and other private lands affected by construction of the transmission line. Restoration must be compatible with the safe operation, maintenance, and inspection of the transmission line. Within sixty days after completion of all restoration activities, the Permittees shall advise the Commission in writing of the completion of such activities.
8. **Notice of Permit.** The Permittees shall inform all employees, contractors, and other persons involved in the construction of the transmission line of the terms and conditions of this Permit.

C. Periodic Status Reports. Upon request, the Permittees shall report to the Commission on progress regarding finalization of the route, design of structures, and construction of the transmission line. The Permittees need not report more frequently than quarterly.

D. Complaint Procedure. Prior to the start of construction, the Permittees shall submit to the Commission the company's procedures to be used to receive and respond to complaints. The procedures shall be in accordance with the requirements set forth in Attachment 1 to this Permit.

E. Notification to Landowners. The Permittees shall provide all affected landowners with a copy of this Permit at the time of the first contact with the landowners after issuance of this Permit.

F. Drain Tile Restoration Plan. Prior to the start of construction, the Permittees shall submit to the Commission its procedures for minimizing drain tile damage during construction and operation and restoration policies. Permittees must submit the Drain Tile Restoration Plan to the Commission for review prior to beginning construction as described in Permit General Conditions, Section IV.A, above.

G. Completion of Construction.

1. **Notification to Commission.** At least three days before the line is to be placed into service, the Permittees shall notify the Commission of the date on which the line will be placed into service and the date on which construction was complete.
2. **As-Builts.** Within 180 days of completion of the project, the Permittees shall submit copies of all the final as-built plans and specifications developed during the project.
3. **Global Positioning System (GPS) Data.** Within sixty days after completion of construction, the Permittees shall submit to the Commission, in the format requested by the Commission, geo-spatial information (maps compatible with geographic information systems, GPS coordinates, etc.) for all above ground structures associated with the transmission lines and each substation connected.

H. Electrical Performance Standards.

1. **Grounding.** The Permittees shall design, construct, and operate the transmission line in such a manner that the maximum steady-state short-circuit current shall be limited to five milliamperes rms alternating current between the ground and any non-stationary object within the right-of-way including but not limited to, large motor vehicles and agricultural equipment. All fixed metallic objects on or off the right-of-way, except electric fences that parallel or cross the right-of-way, shall be grounded to the extent necessary to limit the short circuit current between ground and the object so as not to exceed one milliamperes rms under steady state conditions of the transmission line and to comply with the ground fault conditions specified in the National Electric Safety Code.
2. **Electric Field.** The transmission line shall be designed, constructed, and operated in such a manner that the electric field measured one meter above ground level immediately below the transmission line shall not exceed 8.0 kV/m rms.
3. **Interference with Communication Devices.** If interference with radio or television, satellite or other communication devices is caused by the presence or operation of the transmission line, the Permittees shall take whatever action is prudently feasible to restore or provide reception equivalent to reception levels in the immediate area just prior to the construction of the line.

I. Other Requirements.

1. **Applicable Codes.** The Permittees shall comply with applicable North American Electric Reliability Council (NERC) planning standards and requirements of the National Electric Safety Code (NESC) including clearances to ground, clearance to crossing utilities, clearance to buildings, right-of way widths, erecting power poles, and stringing of transmission line conductors.
2. **Other Permits.** The Permittees shall comply with all applicable state rules and statutes. The Permittees shall obtain all required permits for the project and comply with the conditions of these permits. A list of the required permits is included in the permit application and the environmental impact statement. The Permittees shall submit a copy of such permits to the Commission upon request.
3. **Pre-emption.** Pursuant to Minnesota Statutes section 216E.10, subdivision 1, this Site Permit shall be the sole route and substation site approval required to be obtained by the Permittees for construction of the facilities and this Permit shall supersede and preempt all zoning, building, or land use rules, regulations, or ordinances promulgated by regional, county, local and special purpose government.

J. Delay in Construction. If the Permittees has not commenced construction or improvement of the route within four years after the date of issuance of this Permit, the Commission shall consider suspension of the Permit in accordance with Minnesota Rule 7849.5970.

V. SPECIAL CONDITIONS

1. Permanent Right-of-Way Acquisition:
 - a. The Permittees are granted up to 125 feet of right-of-way when the 230 kV transmission line does not parallel or utilize existing highway right-of-way. Where the transmission line parallels local, county or state roadways, the Permittees are granted up to 82.5 feet of right-of-way for the 230 kV high-voltage transmission line (HVTL) outside the roadway right-of-way.
 - b. The Permittees are granted up to 150 feet of right-of-way when the 345 kV transmission line does not parallel or utilize existing highway right-of-way, including those portions of the route where the line is to be double circuited with an existing line. Where the transmission line parallels local, county or state roadways, the Permittees are granted up to 98.5 feet of right-of-way for the 345 kV HVTL outside the roadway right-of-way.
2. The route width of 1000 feet on each side of the right-of-way is meant to allow the line to be routed along sections lines and existing roadways and to accommodate routing around certain natural areas. Otherwise, the route should as closely as possible replace the existing lines along the existing right-of-way of the lines being replaced

3. Permittees are authorized to construct one mile of new 115 kV transmission line to accommodate the relocation of the Canby Substation one mile to the northeast, while removing approximately one mile of existing 115 kV transmission line. The alignment must be submitted with the Plan and Profile (Section IV. A) for final approval before construction.
4. The Partners are required to designate an environmental inspector for this Project to ensure compliance with the permit conditions.
5. The Permittees must consult with the Department of Natural Resources Area Wildlife Manager along the 230 kV line along segment M3, as portrayed in Appendix B.3 of the EIS. Avian Flight Diverters should be employed along the segment up to Highway 21 due to the presence of a primary migratory flight corridor along the chain of wetlands, lakes and native grasslands in this area.
6. The Permittees must comply with the recommendation of the Department of Natural Resources along the 345 kV line to remove the pole(s) currently in the wetland on Lanners Wildlife Management Area and replace them with new poles appropriately spaced to span this open water area.

VI. PERMIT AMENDMENT

This permit may be amended at any time by the Commission or authorized successor agency of the State of Minnesota. Any person may request an amendment of this permit by submitting a request to the Commission in writing describing the amendment sought and the reasons for the amendment. The Commission will mail notice of receipt of the request to the Permittees. The Commission may amend the permit after affording the Permittees and interested persons such process as is required.

VII. PERMIT TRANSFER

The Permittees may request at any time that the Commission transfer this permit to another person or entity. The Permittees shall provide the name and description of the person or entity to whom the permit is requested to be transferred, the reasons for the transfer, a description of the facilities affected, and the proposed effective date of the transfer. The person to whom the permit is to be transferred shall provide the Commission with such information as the Commission shall require to determine whether the new Permittee(s) can comply with the conditions of the permit. The Commission may authorize transfer of the permit after affording the Permittees, the new Permittee(s), and interested persons such process as is required.

VIII. REVOCATION OR SUSPENSION OF THE PERMIT

The Commission may initiate action to revoke or suspend this permit at any time. The Commission shall act in accordance with the requirements of Minnesota Rules, part 7849.6010, to revoke or suspend the permit.

**PUBLIC UTILITIES COMMISSION
COMPLAINT REPORT PROCEDURES FOR
HIGH VOLTAGE TRANSMISSION LINES**

1. Purpose

To establish a uniform and timely method of reporting complaints received by the permittee concerning the permit conditions for site preparation, construction, cleanup and restoration, special conditions, other requirements, and resolution of such complaints.

2. Scope

This reporting plan encompasses complaint report procedures and frequency.

3. Applicability

The procedures shall be used for all complaints received by the permittee.

4. Definitions

Complaint – A statement presented by a person expressing dissatisfaction, resentment, or discontent as a direct result of the high voltage transmission line and associated facilities. Complaints do not include requests, inquiries, questions or general comments.

Telephone Complaint – A person presenting a complaint by telephone shall indicate whether the complaint relates to (1) a substantive routing permit matter, (2) a high voltage transmission line location matter, or (3) a compensation matter. All callers must provide the following information when presenting a complaint by telephone: (1) name; (2) date and time of call; (3) phone number; (4) email address (if available); (5) home address; (6) parcel number.

Substantial Complaint – Written complaints alleging a violation of a specific route permit condition that, if substantiated, could result in permit modification or suspension pursuant to the applicable regulations.

Person – An individual, partnership, joint venture, private or public corporation, association, firm, public service company, cooperative, political subdivision, municipal corporation, government agency, public utility district, or any other entity, public or private, however organized.

5. Responsibilities

Everyone involved with any phase of the high voltage transmission line is responsible to ensure expeditious and equitable resolution of all complaints. It is therefore necessary to establish a uniform method for documenting and handling complaints related to this high voltage transmission line project. The following procedures will satisfy this requirement:

- A. The permittee shall document all complaints by maintaining a record of all applicable information concerning the complaint, including the following:
 - 1. Name of the permittee and project.
 - 2. Name of complainant, address and phone number.
 - 3. Precise property description or tract numbers (where applicable).
 - 4. Nature of complaint.
 - 5. Response given.
 - 6. Name of person receiving complaint and date of receipt.
 - 7. Name of person reporting complaint to the Commission and phone number.
 - 8. Final disposition and date.
- B. The permittee shall assign an individual to summarize complaints for transmittal to the Commission.

6. Requirements

The permittee shall report all complaints to the Commission according to the following schedule:

Immediate Reports – All substantial complaints shall be reported to the Commission by phone or by e-mail the same day received or on the following working day for complaints received after working hours. Such reports are to be directed to high voltage transmission line permit compliance at the following: DOC.energypermitcompliance@state.mn.us or 1-800-657-3794. Voice messages are acceptable.

Monthly Reports – By the 15th of each month, a summary of all complaints, including substantial complaints received or resolved during the proceeding month. Such summaries shall be sent to Dr. Burl W. Haar, Executive Secretary, Minnesota Public Utilities Commission, Metro Square Building, 121 7th Place East, Suite 350, St. Paul, MN 55101-2147. A copy of each complaint shall be sent to Permit Compliance, Minnesota Department of Commerce, 85 7th Place East, Suite 500, St. Paul, MN 55101-2198.

Unresolved Complaints – The permittee shall submit all unresolved complaints to the Commission for resolution by the Commission, where appropriate, no later than 45 days after the date of the submission.

7. Complaints Received by the Commission

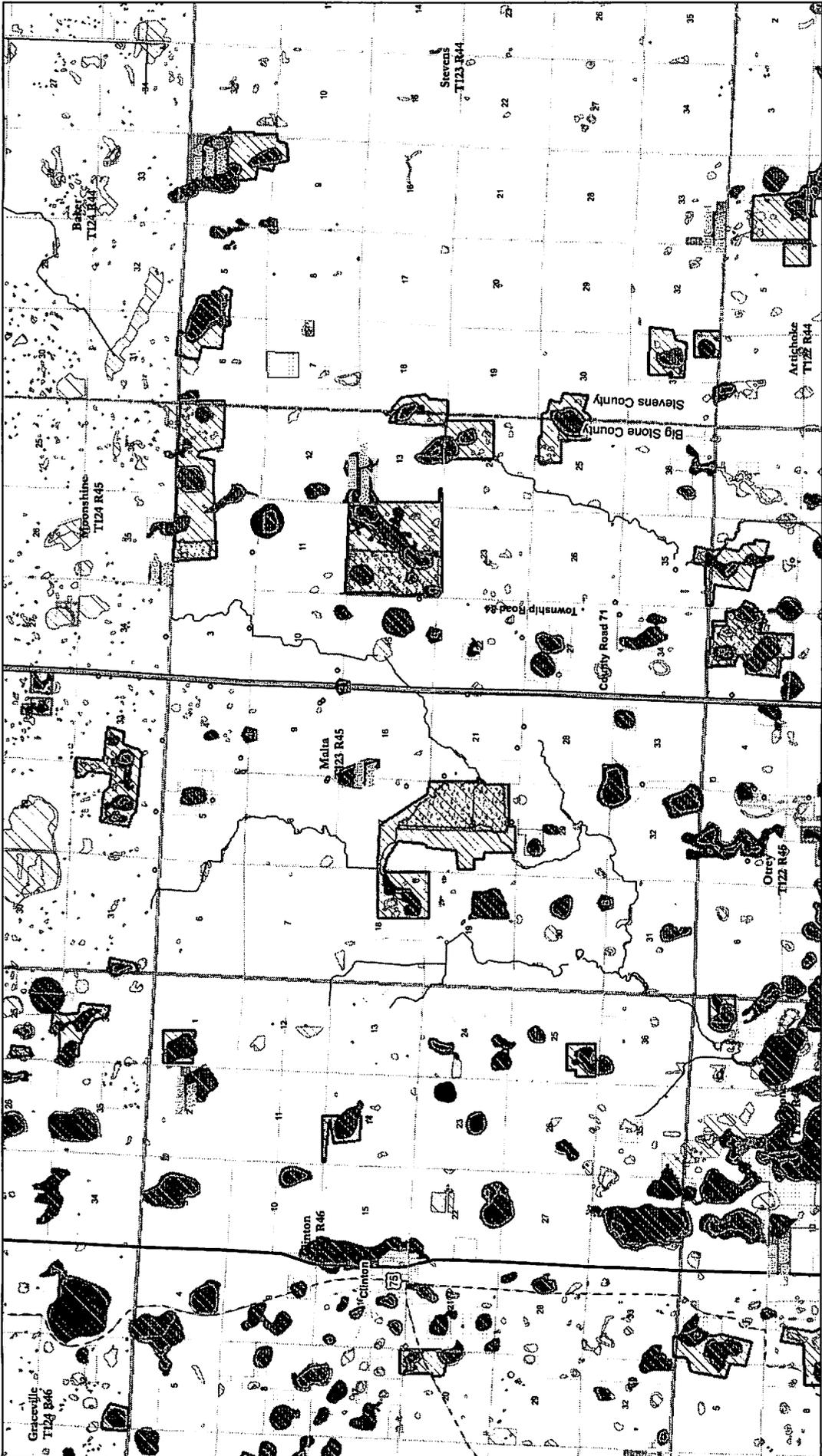
Copies of complaints received directly by the Commission from aggrieved persons regarding site preparation, construction, cleanup, restoration, operation and maintenance shall be promptly sent to the permittee.

Initial Screening – Commission staff shall perform an initial evaluation of unresolved complaints submitted to the Commission. Complaints raising substantive routing permit issues shall be processed and resolved by the Commission. Staff shall notify permittee and the complainant if it determines that the complaint is a substantial complaint. With respect to such complaints, each party shall submit a written summary of its position to the Commission no later than ten days after receipt of the staff notification. Staff shall present briefing papers to the Commission, which shall resolve the complaint within twenty days of submission of the briefing papers.

Condemnation/Compensation Issues – If the Commission’s staff initial screening determines that a complaint raises issues concerning the just compensation to be paid to landowners on account of permittee acquisition of high voltage transmission line easements, staff shall recommend to the Executive Secretary that the matter be resolved under the provisions of Minnesota Statutes, Chapter 117. If the Executive Secretary concurs, he shall so report to the Commission and the matter shall be dealt with in the high voltage transmission line condemnation proceedings as an issue of just compensation.

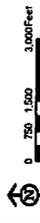
**PUBLIC UTILITIES COMMISSION
HIGH VOLTAGE TRANSMISSION LINES
ROUTE MAPS**

DETAILED ROUTE MAPS	Map Number
Morris Route	1 - 3
Granite Falls Route	4 - 6
Johnson Junction Substation	7
Canby Substation	8

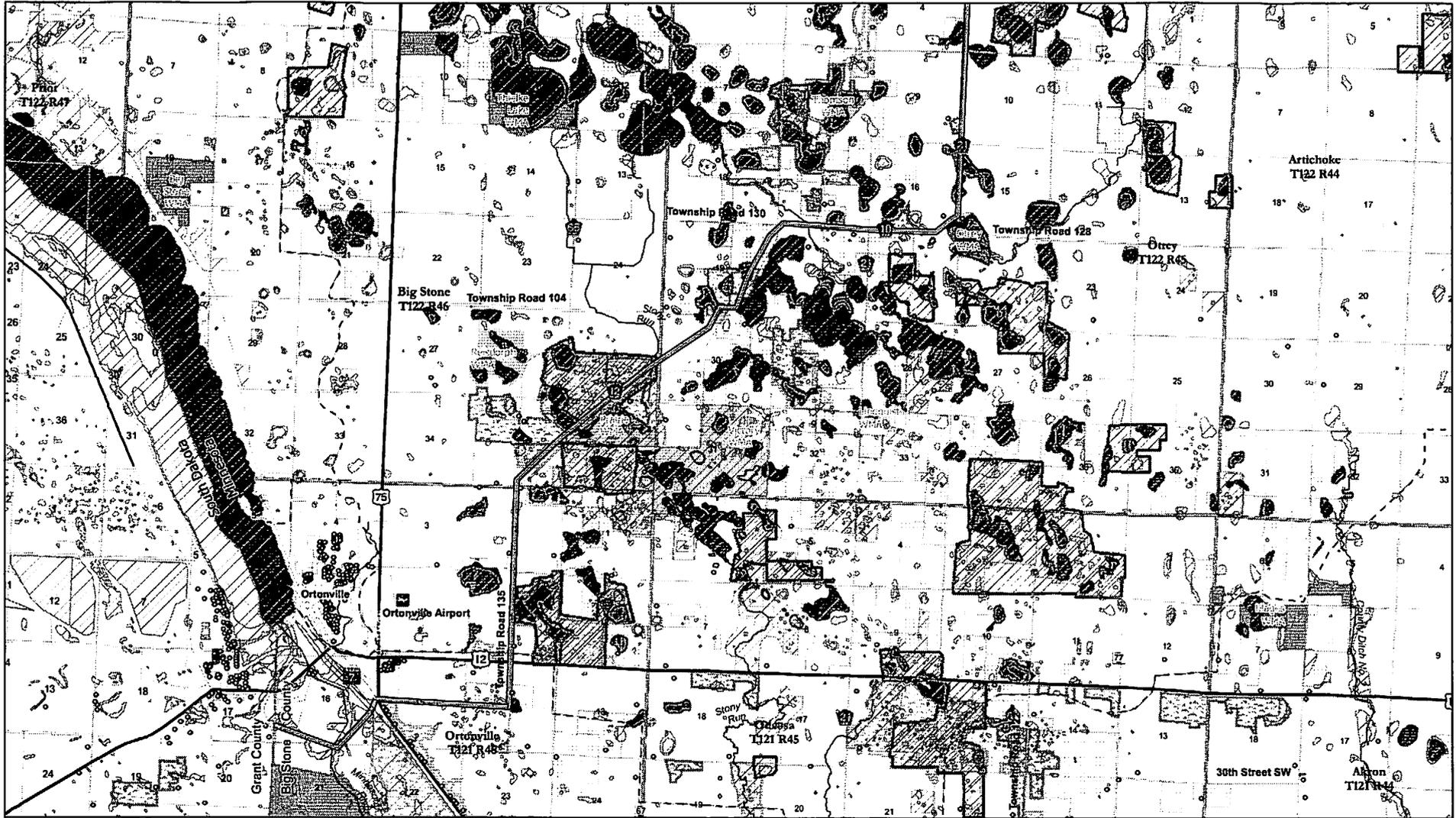


**Map 2. Morris Route
DETAILED ROUTE MAP
Big Stone Transmission Project**

- Legend**
- Onorio Falls 345 KV Route
 - Existing Substations
 - Occupied Houses
 - Center Point Ingression
 - Stonehole Trils
 - Existing Transmission Lines
 - 69 KV
 - 115 KV
 - 230 KV
 - State Resource Areas
 - JAN DNR SVA
 - MNR DNR WMA
 - Federal A&P Fomded
 - State Park Fomded
 - Outside of Project Corridor
 - Field Observed Grassland
 - Field Observed Prairie
 - ARCS Data
 - Aquatic Significance
 - Wetland Significance
 - Outstanding Significance
 - Federal Resource Areas
 - USFWS NWR
 - USFWS Waterfowl Production Areas
 - USFWS Elements
 - Fluvial
 - FmHA
 - Subal
 - Riparian
 - Wetland
 - NWI Wetlands
 - PVI Wetlands
 - RWI Wetlands
 - Natural Heritage Data
 - Annual-State
 - Vascular Plant-State
 - Fungus-State
 - Insect-Community-State
 - Annual-Federal



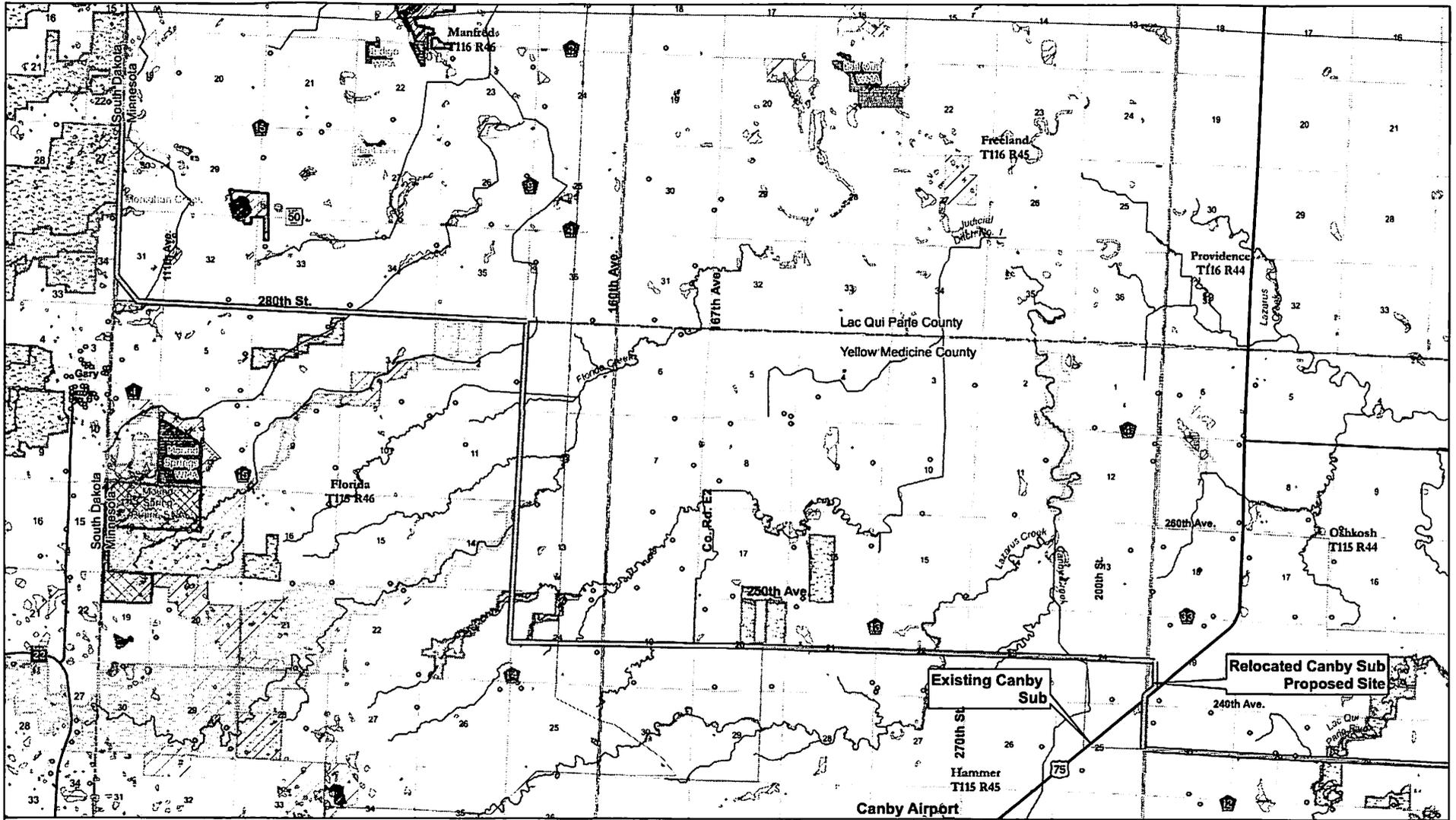
© 2011 Big Stone Transmission, LLC. All rights reserved.
 Big Stone Transmission, LLC. 10/01/11
 10/01/11



Data Sources:
 MN DNR Data/Cell, LMC, M-DOIT
 OR Field Survey

<ul style="list-style-type: none"> Grants Falls 345 kV Route Existing Substations Occupied Houses Center Pivot Irrigation Snowmobile Trails 	<ul style="list-style-type: none"> Existing Transmission Lines 69 kV 115 kV 230 kV 	<ul style="list-style-type: none"> Field Observed Grassland Field Observed Prairie WCBS Data Moderate Significance High Significance Outstanding Significance 	<ul style="list-style-type: none"> State Resource Areas MN DNR SNA MN DNR WMA Federal Aid Funded State Funded Outside of Project Corridor 	<ul style="list-style-type: none"> Federal Resource Areas USFWS NWR USFWS Waterfowl Production Areas 	<ul style="list-style-type: none"> USFWS Easements Flowage FmHA Habitat Tallgrass Wetland 	<ul style="list-style-type: none"> MWI Wetlands PWI Wetlands PWI Streams 	<ul style="list-style-type: none"> Natural Heritage Data Animal-State Vascular Plant-State Fungus-State Terrestrial Community-State Animal-Federal
--	--	---	---	---	---	---	--

**Map 3 Morris Route
 DETAILED ROUTE MAP
 Big Stone Transmission Project**



Legend

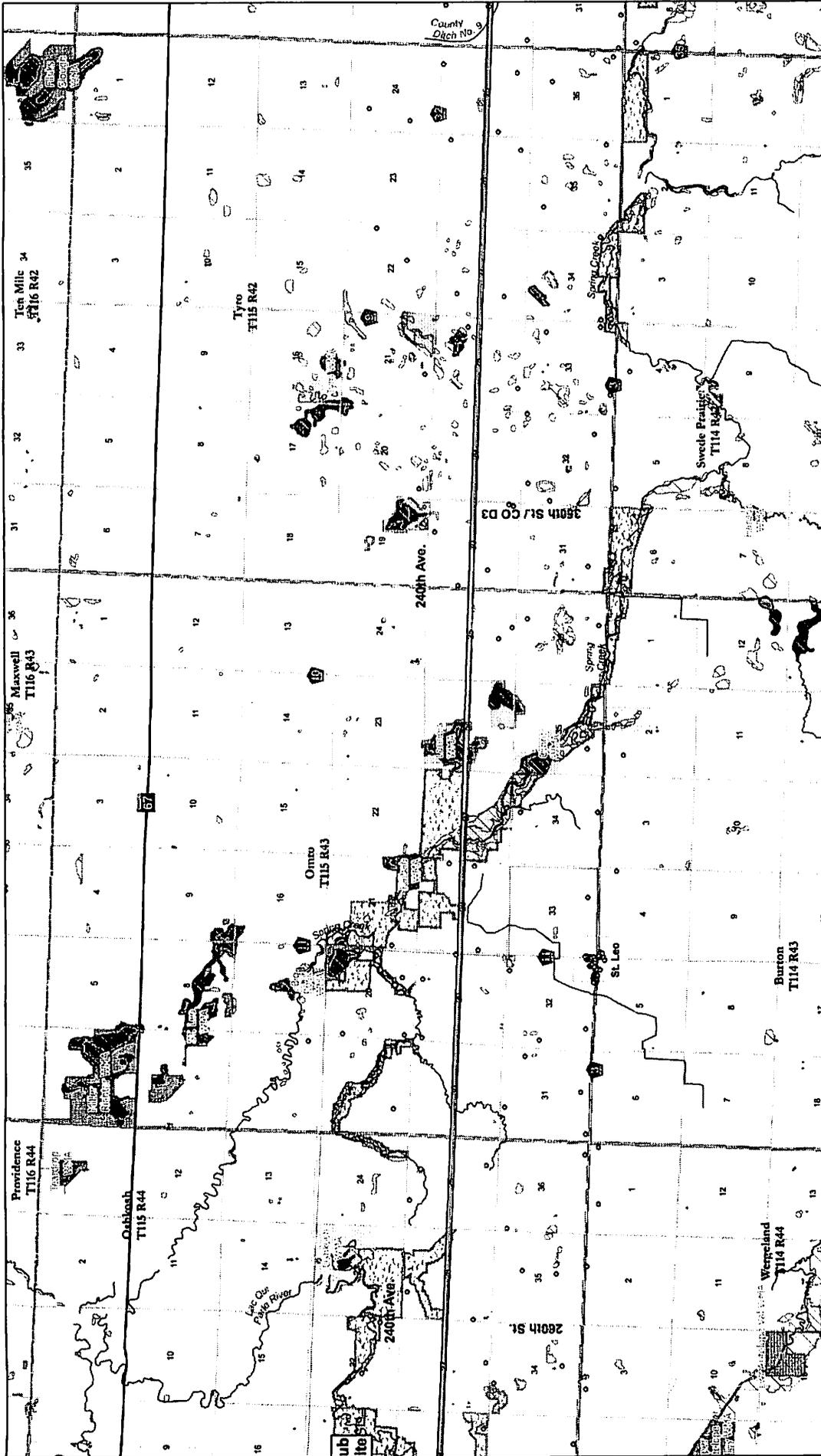
<p>Granite Falls 345 kV Route</p> <p>Existing Substations</p> <p>Occupied Houses</p> <p>Center Pivot Irrigation</p> <p>Snowmobile Trails</p>	<p>Existing Transmission Lines</p> <p>69 kV</p> <p>115 kV</p> <p>230 kV</p>	<p>Field Observed Grassland</p> <p>Field Observed Prairie</p> <p>MCBS Data</p> <p>Moderate Significance</p> <p>High Significance</p> <p>Outstanding Significance</p>	<p>State Resource Areas</p> <p>State Funded</p> <p>Outside of Project Corridor</p>	<p>Federal Resource Areas</p> <p>USFWS NWR</p> <p>USFWS Waterfowl Production Areas</p>	<p>USFWS Easements</p> <p>Flowage</p> <p>FmHA</p> <p>Habitat</p> <p>Tallgrass</p> <p>Wetland</p>	<p>NWI Wetlands</p> <p>PWI Wetlands</p> <p>PWI Streams</p>	<p>Natural Heritage Data</p> <p>Animal-State</p> <p>Vascular Plant-State</p> <p>Fungus-State</p> <p>Terrestrial Community-State</p> <p>Animal-Federal</p>
--	---	--	--	--	--	--	---

Scale: 0 750 1,500 3,000 Feet

North Arrow

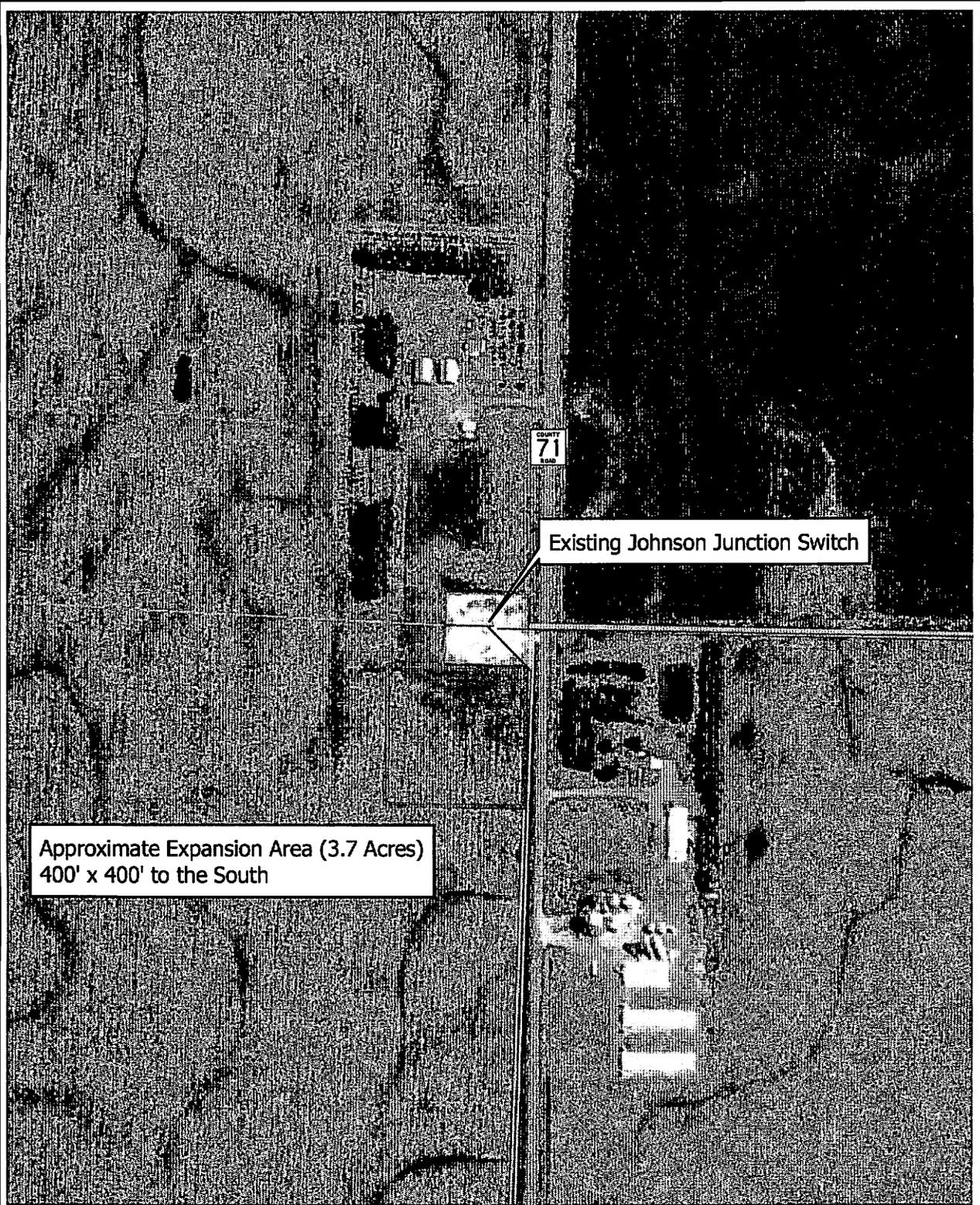
Date Sources: MN DNR Data/Del. LMC, 14-001; HDR Field Survey

Map 4 Granite Falls Route
 DETAILED ROUTE MAP
 Big Stone Transmission Project



**Map 5 Granite Falls Route
DETAILED ROUTE MAP
Big Stone Transmission Project**

- Legend**
- Granite Falls 245 kV Route
 - Existing Substations
 - Occupied Houses
 - Center Pivot Irrigation
 - Snowmobile Trails
 - Existing Transmission Lines
 - 69 kV
 - 115 kV
 - 230 kV
 - State Resource Areas
 - Min DNR SNA
 - Min DNR WMA
 - Federal AID Funded
 - State Funded
 - Outside of Project Corridor
 - Field Observed Grassland
 - Field Observed Prairie
 - ACBS Data
 - Moderate Significance
 - High Significance
 - Outstanding Significance
 - Federal Reserve Areas
 - USFWS NWR
 - USFWS Waterfowl Production Area
 - USFWS Estuaries
 - Flora
 - Fauna
 - Wetland
 - NWI Wetlands
 - PWI Wetlands
 - RWI Streams
 - National Heritage Data
 - Annual-State
 - Volunteer Plant-State
 - Fungal-State
 - Terrestrial Community-State
 - Annual-Federal
- Data Sources:**
 NWI Data: Deshaies, L.M.C. (4/2017)
 GPS Point Boundary



Approximate Expansion Area (3.7 Acres)
400' x 400' to the South

Existing Johnson Junction Switch



0 200 400 Feet

Legend

-  Proposed Morris Route Alignment
-  115 kV Transmission Line

Data Sources:
MN DNR DataDeli, LMIC, MnDOT

Map 7 Johnson Junction Substation
DETAILED LOCATION MAP
Big Stone Transmission Project



Map 8 Canby Substation Interconnection
 DETAILED LOCATION MAP
 Big Stone Transmission Project

Date: 10/15/2014
 LMC: 10/15/2014

Legend
 Grande Hills 345 kV Route
 Existing Substations
 Existing Transmission Lines
 69 kV
 115 kV
 230 kV
 Center Pivot Irrigation
 Mill Weir
 Well
 P&H Stream

0 750 1,500 3,000 Feet

STATE OF MINNESOTA)
)SS
COUNTY OF RAMSEY)

AFFIDAVIT OF SERVICE

I, Margie DeLaHunt, being first duly sworn, deposes and says:

That on the 17th day of March, 2009 she served the attached

ORDER ISSUING ROUTE PERMIT.

MNPUC Docket Number: E-017,ET-6131,ET-6130, ET-6144, ET-6135,
ET-10/TR-05-1275

XX By depositing in the United States Mail at the City of St. Paul, a true and correct copy thereof, properly enveloped with postage prepaid

XX By personal service

XX By inter-office mail

to all persons at the addresses indicated below or on the attached list:

- Commissioners
- Carol Casebolt
- Peter Brown
- Eric Witte
- Marcia Johnson
- Kate Kahlert
- Janet Gonzalez
- Bret Eknes
- Bob Cupit
- Susan Mackenzie
- Mary Swoboda
- DOC Docketing
- AG - PUC
- Julia Anderson - OAG
- John Lindell - OAG

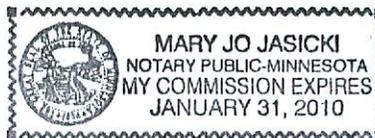
Margie DeLaHunt

Subscribed and sworn to before me,

a notary public, this 17th day of

March, 2009

Mary Jo Jasicki
Notary Public



, ListID# 1 :

10:
MN PUC

Burl W. Haar
MN Public Utilities Commission
Suite 350
121 7th Place East
St. Paul MN 55101-2147

20:
Dept. of Commerce

Sharon Ferguson
MN Department Of Commerce
Suite 500
85 7th Place East
St. Paul MN 55101-2198

30:
Inter-Office Mail

Julia Anderson
MN Office Of The Attorney General
1400 BRM Tower
445 Minnesota Street
St. Paul MN 55101-2131

Matt Langan
MN Department of Natural Resources
500 Lafayette Road
St. Paul MN 55155-4025

John Lindell
OAG-RUD
900 BRM Tower
445 Minnesota Street
St. Paul MN 55101-2130

40:
Regular Postal Mail

Mark B. Bring
Otter Tail Corporation
215 South Cascade Street
PO Box 496
Fergus Falls MN 56538-0496

Christy Brusven
Fredrikson & Byron, P.A.
Suite 4000
200 South Sixth Street
Minneapolis MN 55402-1425

John E. Drawz
Fredrikson & Byron, P.A.
Suite 4000
200 South Sixth Street
Minneapolis MN 55402-1425

Elizabeth Goodpaster
MN Center for Environmental Advocacy
Suite 206
26 East Exchange Street
St. Paul MN 55101-1667

Todd J. Guerrero
Lindquist & Vennum, PLLP
4200 IDS Center
80 South Eighth Street
Minneapolis MN 55402-2274

10:
MN PUC

Burl W. Haar
MN Public Utilities Commission
Suite 350
121 7th Place East
St. Paul MN 55101-2147

20:
Dept. of Commerce

Sharon Ferguson
MN Department Of Commerce
Suite 500
85 7th Place East
St. Paul MN 55101-2198

30:
Inter-Office Mail

Julia Anderson
MN Office Of The Attorney General
1400 BRM Tower
445 Minnesota Street
St. Paul MN 55101-2131

Karen Finstad Hammel
MN Office Of The Attorney General
1400 BRM Tower
445 Minnesota Street
St. Paul MN 55101-2131

John Lindell
OAG-RUD
900 BRM Tower
445 Minnesota Street
St. Paul MN 55101-2130

Steve M. Mihalchick
Office of Administrative Hearings
PO Box 64620
St. Paul MN 55164-0620

Barbara L. Neilson
Office of Administrative Hearings
PO Box 64620
St. Paul MN 55164-0620

40:
Regular Postal Mail

Lisa M. Agrimonti
Briggs And Morgan, P.A.
2200 IDS Center
80 South 8th Street
Minneapolis MN 55402

Thomas Erik Bailey
Briggs And Morgan
2200 IDS Center
80 South 8th Street
Minneapolis MN 55402

William A. Blazar
Minnesota Chamber Of Commerce
Suite 1500
400 Robert Street North
St. Paul MN 55101

Michael J. Bradley
Moss & Barnett
4800 Wells Fargo Center
90 South Seventh Street
Minneapolis MN 55402-4129

Kaela Brennan
McGrann Shea Anderson Carnival
Straughn & Lamb
800 Nicollet Mall, Suite 2600
Minneapolis MN 55402-7035

Kathleen M. Brennan
McGrann Shea Anderson Carnival
Straughn & Lamb, Chartered
800 Nicollet Mall, Suite 2600
Minneapolis MN 55402-7035

Mark B. Bring
Otter Tail Corporation
215 South Cascade Street
PO Box 496
Fergus Falls MN 56538-0496

Christy Brusven
Fredrikson & Byron, P.A.
Suite 4000
200 South Sixth Street
Minneapolis MN 55402-1425

Nicholas Chevance
Midwest Regional Office
National Park Svc., Dept. Of Interior
601 Riverfront Drive
Omaha NE 68102

Christopher Childs
WSCO
384 Hall Avenue
St. Paul MN 55107

Christopher Clark
Xcel Energy
5th Floor
414 Nicollet Mall
Minneapolis MN 55401-1993

John DiDonato
FPL Energy, LLC
700 Universe Blvd.
Mail Stop FEW/JB
Juno Beach FL 33408

John E. Drawz
Fredrikson & Byron, P.A.
Suite 4000
200 South Sixth Street
Minneapolis MN 55402-1425

John R. Dunlop, P.E.
American Wind Energy Association
Suite 300
448 Morgan Ave. S.
Minneapolis MN 55405-2030

Bob Elston
CMMPA
459 South Grove Street
Blue Earth MN 56013

Mike Franklin
Minnesota Chamber Of Commerce
Suite 1500
400 Robert Street North
St. Paul MN 55101

Darrell Gerber
Clean Water Action Alliance of Minnesota
308 Hennepin Ave. E.
Minneapolis MN 55414

Peter Glazer
Troutman Sanders, LLP
Suite 1000
401 9th Street N.W
Washington DC 20004

Elizabeth Goodpaster
MN Center for Environmental Advocacy
Suite 206
26 East Exchange Street
St. Paul MN 55101-1667

E-017,ET-6131,ET-6130,ET-6144,ET-6135,ET-10/CN-05-619, ListID# 1 Otter Tail Power Company;

Christopher Greenman
Excelsior Energy
Suite 305
11100 Wayzata Boulevard
Minnetonka MN 55305

Carol Overland
Overland Law Office
P.O. Box 176
Red Wing MN 55066

Raymond J. Wahle
Missouri River Energy Services
3724 W. Avera Drive
PO Box 88920
Sioux Falls SD 57109-8920

Todd J. Guerrero
Lindquist & Venum, PLLP
4200 IDS Center
80 South Eighth Street
Minneapolis MN 55402-2274

Jeffrey C. Paulson
Jeffrey C. Paulson & Associates, Ltd.
Suite 325
7301 Ohms Lane
Edina MN 55439

Kevin Walli
Fryberger, Buchanan, Smith & Frederick
1st National Bank Building
332 Minnesota Street, Suite W1260
St. Paul MN 55101

Valeie T. Herring
Briggs and Morgan, P.A.
2200 IDS Center
80 S. Eighth Street
Minneapolis MN 55402

Dean Pawlowski
Otter Tail Power Company
PO Box 496
215 S. Cascade St.
Fergus Falls MN 56537-0496

Mark Hirsch
128 Marina View Road
Rockford MN 55373

John C. Reinhardt
Laura A. Reinhardt
3552 26Th Avenue South
Minneapolis MN 55406

Michael W. Koester
9649 Holley Circle NW
Coon Rapids MN 55433

Christopher Sandberg
LOCKRIDGE GRINDAL NAUEN & HOLSTEIN
Suite 2200
100 Washington Avenue South
Minneapolis MN 55401

Stephen G. Kozey
Midwest ISO
PO Box 4202
Carmel IN 45083-4202

David Sasseville
Lindquist & Venum
4200 IDS Center
80 South 8th Street
Minneapolis MN 55402-2274

Michael C. Krikava
Briggs And Morgan, P.A.
2200 IDS Center
80 South 8th Street
Minneapolis MN 55402

Matthew J. Schuerg P.E.
Energy Systems Consulting Services, LLC
P.O. Box 16129
St. Paul MN 55116

David R. Moeller
Minnesota Power
30 West Superior Street
Duluth MN 55802-2093

Janet Shaddix Elling
Shaddix And Associates
9100 West Bloomington Freeway
Suite 122
Bloomington MN 55431

David D. Norgaard
Southwst Wind Counsulting LLC
1631 - 290th Avenue
Tyler MN 56178

Paul R. Strong
P.O. Box 275
Ortonville MN 56278

Thomas L. Oстераas
Excelsior Energy
Suite 305
11100 Wayzata Boulevard
Minnetonka MN 55305

Sandi Tabor
North Dakota Transmission Authority
P.O. Box 2277
1016 East Owens Avenue
Bismarck ND 58502-2277

05-1275

BIG STONE

Lonnie Abrams
12323 Highway 27 West
Little Falls, MN 56345

Robert Amundson
23665 610th Avenue
Chokio, MN 56271

Dennis Anderson
2505 Willmar Ave. SW
Willmar, MN 56201

Robert Anderson
465 35th Avenue SW
Benson, MN 56215

Ron Anderson
PO Box 195
Milan, MN 56262

Scott Anderson
1303 East Bridge Street
Suite 130
Redwood Falls, MN 56283

Robynn Andracsek
Burns McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Lori Andresen
3025 E Superior St
Duluth, MN 55812

Randy Ascheman
1930 20th Street SW
Appleton, MN 56208

Eldeen Baer
108 Orleans Avenue North
Canby, MN 56220

John Baker
655 150th Avenue SW
Appleton, MN 56208

Mike Bates
8 3rd St. South
Great Falls, MN 59401

Dale Beckmann
Westwood
7699 Anagram Dr.
Eden Prairie, MN 55344

Chuck Bell
Burns McDonnell
9400 Ward Parkway
Kansas City, MO 64114

Tom Belmont
38118 North Shore Drive
Battle Lake, MN 56515

Dale Berg
4006 220th Avenue
Clarkfield, MN 56223

Martin Bettmann
South Dakota PUC
500 E Capitol Ave
Pierre, SD 57501

David and Gladys Beyer
465 150th Avenue NW
Holloway, MN 56249

Chris Bibeau
2350 Main St.
Lino Lakes, MN 55038

David Birkholz
Minnesota Department of Commerce.
Energy Facility Permitting Siting and
Routing
85 7th Place East Ste. 500
Saint Paul, MN 55101

Gary and Margaret Blahosky
113 Cantibury Road
Circle Pines, MN 55014

Velma Blomgren
49196 220th Street
Morris, MN 56267

Jon Boese
1160 20th Street NW
Holloway, MN 56249

John Boots
67437 County Hwy 14
Odessa, MN 56276

Christy Brusven
Fredrikson and Byron P.A.
200 South Sixth Street
Suite 4000
Minneapolis, MN 55402

R Buer
1113 Meadow Hills Ave
Madison, MN 56256

Nate Burmeister
61743 St. Hwy 28
Chokio, MN 56221

John Burmeister
61743 State Hwy 28
Chokio, MN 56221

Leon Carlson
PO Box 26
Olivia, MN 56277

Hali Carlson
NCC
89 Norman Drive
Kenora, Canada

Dale Champ
212 9th Avenue SE
Elbow Lake, MN 56531

Bryan Clark
1884 Hwy 40
Madison, MN 56256

Ivan Clark
R. W. Beck Inc.
1801 California Street
Suite 2800
Denver, CO 80202

Christopher Cole
911 West 4th Street
Morris, MN 56267

John Connolly
840 Hwy 12 SW
Danvers, MN 56231

Carol Cooper
26437 Galaxie Ave.
Farmington, MN 55024

Dave Cragmile
3600 140th Street
Boye, MN 56218

Emily Dalager
400 First Ave North
Suite 535
Minneapolis, MN 55401

Perry Davis
UEI
5201 East River Road
308
Minneapolis, MN 55421

Thomas Davis
1161 50th Ave.
Sherburn, MN 56171

Troy Denelsbect
2405 - 200th Street
Canby, MN 56220

LaVerne Dering
212 - 3rd Street North
Correll, MN 56227

Terri Dinesen
1623 9th Avenue
Granite Falls, MN 56241

Rose Doom
2902 240th Avenue
Canby, MN 56220

John Drawz
Fredrikson and Byron P.A.
200 South Sixth Street
Suite 4000
Minneapolis, MN 55402

Joseph Dudak
ITC Holdings
39500 Orchard Hill Place
Suite 200
Novi, MI 48375

Joseph Dudak
ITC Holdings
39500 Orchard Hill Place Drive
Suite 200
Novi, MI 48375

Joseph Dudak
ITC Holdings Corp.
27175 Energy Way
6th Floor
Novi, MI 48377

Cal Dufault
3409 Glynwater Trl NW
Prior Lake, MN 55372

Nate Duoss
Builders Association of the Twin
Cities
2960 Centre Pointe Drive
Roseville, MN 55113

Gary Ehrenberg
180 200 Avenue SW
Appleton, M 56208

Richard Ehrenberg
41373 Co Hwy 25
Correll, MN 56227

Audie Ekas
70001 US Hwy 75
Odessa, MN 56276

Glenn Emmons
207 Rins Avenue South
Canby, MN 56220

Jennifer Engh
Cargill Inc.
15407 McGinty Road West
Wayzata, MN 55440

Jeffery Evans
Evans Consulting Services
PMB 145
1645 9th Ave. SE
Albany, OR 97322

Jim Falk
1170 Hwy 9 NE
Murdock, MN 56271

Andrew Falk
1170 Hwy 9 NE
Murdock, MN 56271

Patty Farmr
2471 240th Avenue
Canby, MN 56220

Ted Favirchild
2063 120th Street
Canby, MN 56220

Lori Frisk-Thompson
CMMPA
459 S Grove Street
Blue Earth, MN 56013

Rick Fuentes
Fresh Energy
408 St. Peter
Suite 220
St. Paul, MN 55102

Annalee Garletz
Assoc of MN Counties
125 Charles Avenue
St. Paul, MN 55103

Erica Gatzow
8 Meadow Lane
Morris, MN 56267

Darrell Gerber
Clean Water Action Alliance
308 E Hennepin Ave
Minneapolis, MN 55414

Karon Gerdes
7020 120th Ave. N.E.
Kerkhoven, MN 56252

Doug Gronholz
2355 20th NW
Appleton, Mn 56208

Don Groth
5420 135th St NW
Kerkhaven, MN 56252

Terry Grove
Capx
12300 Elm Creek Blvd.
Maple Grove, MN 55369

Glenn Guhud
2471 240th Avenue
Canby, MN 56220

Tom and Sandy Gunter
1060 120th Ave NE
Clara City, MN 56222

Arlan Gustafson
5110 230th Avenue
Granite Falls, MN 56241

Carl Haase
712 Bluff Street
Box 266
Graceville, MN 57240

Richard Haherman
4547 368th Avenue
Montevideo, MN 56265

Howard Hallman
58874 St. Hwy 28
Chokio, MN 56221

Harley Hamernon
325 20th Road
Benson, MN 56282

Eric Hansen
Pinnacle Engineering Inc.
11541 95th Avenue North
Maple Grove, MN 55369

John Hanson
Praesidis
7650 Courtney Campbell Cswy
Ste 240
Tampa, FL 33607

Roger Hanson
201 Garden Street
Duluth, MN 55812

David Hanson
1416 10th Street
Clarkfield, MN 56223

Doris Hanson
1147 4th Street
Boyd, MN 56241

Arden and Julnn Hanson
105 Buckeyes Drive
Montevideo, MN 56265

William Harmon
Jones Day
77 West Wacker Suite 3500
Chicago, Il 60601

Richard Sue Hauer
830 Hwy. 12 SE
DeGraff, MN 56271

Dan Haugen
Self-Employed
3343 Tyler St NE
Minneapolis, MN 55418

Joe Hauger
116 Baldwin Street
No. 7
Granite Falls, MN 56241

Tammy Jerry Heinrich
2664 201st Avenue
Madison, MN 56256

Gary Henneberg
445 130th Avenue SW
Holloway, MN 56249

Vince Herda
14910 Wellington Rd
Wayzata, MN 55391

Joseph Hocum
108 9th Street West
Canby, MN 56220

Tom Hoffman
1005 Oakwood Avenue
Benson, MN 56215

Jarrett Hubbard
Mn DOT Dist 8
2505 Transportation Road
Willmar, MN 56201

D. Alex Iden
13040 60th Ave SW
Raymond, MN 56282

Gary Johnson
4767 330th
Montevideo, MN 56265

Craig Kausting
1449 250th Street
Madison, MN 56256

Cesia Kerns
2327 E. Franklin Avenue
Suite 2
Minnetonka, MN 55406

Grant Krieger
1095 165th Avenue SE
Kerkhoven, MN 56252

John Larkey
12700 Whitewater Drive
Minnetonka, MN 55413

Valerie Herring
Briggs and Morgan
2200 IDS Center
80 South 8th Street
Minneapolis, MN 55402

Arthur Hoeremen
557 4th Avenue
Ortonville, MN 56278

Virginia Homme
11007 - 810th Ave
Granite Falls, MN 56241

Tim Hunstad
HMG LLC
4165 Shorewood Trail
Medina, MN 55340

Kim Jergenson
1212 Parkside Drive
Marshall, MN 56258

Bryan Kallhoff
1588 130th Street North
Canby, MN 56220

Michael Kawlewski
Otter Tail Power Co
215 S Cascade St
PO Box 496
Fergus Falls, MN 56538

Carol Kopperud
401 LacQue Parle A
Canby, MN 56220

Dick Kroger
2067 530th Street
Woodlake, MN 56297

Art Larson
1610 230th Avenue
Canby, MN 56220

Judy Hoberg
435 Hwy 12 SW
Benson, MN 56215

Bruce Hoernemann
71582 Cty Road 64
Ortonville, MN 56278

Barbara Hoyhtyes
110 Oscar Avenue
Canby, MN 56220

Wayne Hurley
West Central Initiative
1000 Western Ave.
Fergus Falls, MN 56537

George Johnson
SEH Inc.
3535 Vadnais Center Drive
Saint Paul, MN 55110

John Karstraup
2455 151st Street
Madison, MN 56256

Cesia Kearns
Sierra Club
2327 E. Franklin Ave.
Ste. 1
Minneapolis, MN 55406

Stacy Kotch
Minnesota Department of
Transportation
395 John Ireland Blvd
Mailstop 678
St. Paul, MN 55155

Gordon Kruse
1430 110th Street North
Canby, MN 56220

Gary Lentz
2148 620th Street
Echo, MN 56237

Rod Lindquist
1780 90th Street SE
Kerkhoven, MN 56252

Linda Lumsden
None
4801 Fairhills Road West
none
Minnetonka, MN 55345

Paula Maccabee
Just Change Consulting Law
Offices
1961 Selby Avenue
St. Paul, MN 55104

Curt Marcus
Marcus Financial
1609 NW 16th Ave
Willmar, MN 56201

Jolie McShane
AIR2 LLC
2345 York Road
Suite 102
Timonium, MD 21093

Charles Michael
Utility Management Corporation
16612 Saddle Horn Court
Eden Prairie, MN 55347

Raymond Millett
511 20th North
Benson, MN 56215

Gordie Molenoon
6045 Kaniio Chip Line
Raymond, MN 56287

Dan Morrill
67702 280th Street
Clinton, MN 56225

James Murphy
73483 County Hwy 13
Graceville, MN 56240

David Little
West Central Tribune
2208 Trott Ave. SW
P.O. Box 839
Willmar, MN 56201

Harold Luthi
26490 Highway 59
Morris, MN 56267

Rene Maes III
UofM Morris
600 E. 4th Street
BOX 978
Morris, MN 56267

James McKay
14301 Freeport Trail
Apple Valley, MN 55124

Brian Meloy
Leonard Street and Deinard
150 South 5th Street
Suite 2300
Minneapolis, MN 55402

Chris Miguez
Universal Ensco
4848 Loop Central
Houston, TX 77081

Brian Mitchell
R. W. Beck Inc.
1380 Corporate Center Curve
Suite 305
St Paul, MN 55121

Kevin Molloy
MPCA
520 Lafayette Road N.
St. Paul, MN 55155

Gordon Mueller
1123 390th Street
Ortonville, MN 56278

Brian Long
Ulteig Engineering Inc.
5201 East River Road
No. 308
Minneapolis, MN 55421

Jacqueline Maas
69266 430th Street
Odessa, MN 56276

Pam Mansfield
1210 Hwy 12
Murdock, MN 56215

James Helen McNally
6105 Main
Chokio, MN 56221

John Mertens
Dakota County
14955 Galaxie Ave
Apple Valley, MN 55124

Lewis Miller
109 8th Street West
Canby, MN 56220

Alan Mitchell
Lindquist Venum PLLP
4200 IDS Center
80 South Eighth Street
Minneapolis, MN 55402

Steve Moorman
Babcock Wilcox
2096 Edgcumbe Road
Saint Paul, MN 55116

Mary Munn
Fond du Lac Reservation
1720 Big Lake Road
Cloquet, MN 55720

Bob Narem
14313 469th
Twin Brook, SD 57269

Day Neal
6080 60th Ave NE
Murdock, MN 56271

Duane Ninneman
PO Box 154
Ortonville, MN 56278

David Norgaard
Southwest Wind Consulting
1631 290th Ave.
Tyler, MN 56178

Gerry and Burt Nygren
228 North Grace Street
Ortonville, MN 56278

Mike O Donnell
Babcock Wilcox Company
20 South Van Buren Avenue
Barberton, Oh 44203

Bill Ogey
870 70th Street SW
Danvers, MN 56231

Brent Olson
68704 County Hwy 8
Ortonville, MN 56278

Carol Overland
Overland Law Office
P.O. Box 176
Red Wing, MN 55066

Jason Painter
ACES Power Marketing LLC
4140 West 99th Street
Carmel, IN 46032

Suzanne Pansch
38479 County Hwy 12
Ortonville, MN 56278

Todd Patza
1617 161st Avenue
Marietta, MN 50257

Dean Pawlowski
Otter Tail Power Co.
215 S. Cascade Street
Fergus Falls, MN 56538

Pearl and Ervin Pederson
Box 6108
Bellingham, MN 56212

Harold or Kyle Petersen
8090 Highway 40 NE
Murdock, MN 56271

Bradley Peterson
Flaherty Hood P.A.
525 Park Street
Suite 470
St. Paul, MN 55103

Kevin Peterson
Local Union 160
846 48th Avenue NW
Rochester, MN 55901

Robert Peterson
5280 Hwy 212
Granite Falls, MN 56241

Rep. Aaron Peterson
1439 Hwy 75
Madison, MN 56256

Gary Petrucci
2975 Co. Rd. 24
Long Lake, MN 55356

Paul Pillatzki
1895 255th Avenue West
Dawson, MN 56232

Angela Piner
HDR
701 Xenia Ave. South Suite 600
Minneapolis, MN 55416

Angela Piner
HDR
701 Xenia Ave. South
Suite 600
Minneapolis, MN 55416

Angela Piner
HDR Inc.
701 Xenia Avenue South
Suite 600
Minneapolis, MN 55416

Robert Porter
1916 Severn Grove Road
Annapolis, MD 21401

Jay Porter
American Transmission
Company
PO Box 47
Waukesha, WI 53187

Mike Prukop
2486 170th Street
Canby, MN 56220

Lewis Rademach
3642 121st Avenue
Bellingham, MN 56212

Glen Radermacher
1477 - 330th Street
Bellingham, MN 56212

A. Radtter
65459 Co Hwy 14
Odessa, MN 56276

Dianne Radumacher
619 Cliff Street
Ortonville, MN 56278

Warren Ran
2100 30th Street NW
Appleton, MN 56208

Erin Jordahl Redlin
308 E. Hennepin Avenue
Minneapolis, MN 55414

TJ Roling
Holmes Murphy
600 S. Cliff Ave
Sioux Falls, SD 57104

Steve Rupp
1194 6th Street
Granite Falls, MN 56241

Brian Ruppe
1060 Hwy 12 SW
Danvers, MN 56231

Rick Sand
5223 Hwy 212
Granite Falls, MN 56241

Carla Schellberg
38790 Co. Hwy 12
Ortonville, MN 56278

Ron Schmidt
43176 Co. Hwy 36
Correll, MN 56227

Kent Scholl
550 15th Street
Suite 1000
Denver, CO 80202

Bill Schuna
PO Box 111
Marshall, MN 56258

Pam Rasmussen
Xcel Energy
P.O. Box 8
Eau Claire, WI 54702

Daniel Reed
701 8th Street NE
Buffalo, MN 55313

Richard Rothaus
Trefoil Cultural and
Environmental Heritage
1965 W. Highview Dr
Sauk Rapids, MN 56379

Ken Rupp
977 15th Street
Granite Falls, MN 56241

Mam-Marie Sallah
Ener Information Administration
C O Department of Energy
1000 Independence Ave SW EI-53
Washington DC, 20585

Allen Saunders
555 10th Street S.E.
Benson, MN 56215

Keith and Mary Schirm
250 West Christenson
No. 3
Appleton, MN 56208

Ron Schneider
355 Lake Avenue North
Spicer, MN 56288

Michael Schrader
Ariztar Development LLC.
4616 East Pebble Ridge Road
Paradise Valley, AZ 85253

Roxanne Shekleton
1015 100th Street SE
Murdock, MN 56271

Julie Rath
MN Valley Regional Rail
Authority
PO Box 481
200 S Mill Street

Ross Reiffenberge
304 22nd Street South
St. Cloud, MN 56301

Erin Stojan- Ruccolo
Fresh Energy
408 St. Peter Street
Suite 220
St. Paul, MN 55102

Kathy Rupp
1060 Hwy 12 SW
Danvers, MN 56231

Lila Salls
38742 State Hwy 7
Ortonville, MN 56278

Benjamin Schaefer
Minnesota Department of Natural
Resources
261 Highway 15 South
New Ulm, MN 56073

Wayne Schmidgolf
4 Bluebird Ct
Morris, MN 56267

Anthony Schnitler
1160 20th NW
Davers, MN 56231

Bart Schultz
Houston Engineering Inc.
6901 East Fish Lake Road
Suite 140
Maple Grove, MN 55369

Dean Shurb
16281 140th Street NW
Sanburg, MN 56289

Lowell Simpson
14622 60th Avenue
Chokio, MN 56221

John Sprangers
Planergy
710 Commerce Drive
Suite 205
Woodbury, MN 55125

Esther Steuck
23036 590th Avenue
Chokio, MN 56221

Harold Strei
436 Eastvold Avenue
Ortonville, MN 56278

Eric Swanson
Winthrop Weinstine P.A.
225 South Sixth Street
Suite 3500
Minneapolis, MN 55102

R Taffe
40 Greenwood
Ortonville, MN 56278

Paul Theisen
1280 121st Avenue North
Canby, MN 56220

Jim Thoreen
PO Box 530
Morris, MN 56267

Lauren Trevisan
Sierra Club
408 C St NE
Washington, DC 20002

Terry VanDerPel
235 7th Avenue
Granite Falls, MN 56241

Galen Skjefte
2889 490th Street
Granite Falls, MN 56241

Steven Stamp
1920 121Avenie
Marietta, MN 56257

Sean Stocker
Northwind Renewable Solutions
5 Whitney Lane
New Ulm, MN 56073

Gregory Stricherz
Foreign Ink Ltd.
5735 Washburn Avenue South
Minneapolis, MN 55410

Jerry Swenson
1140 60th Avenue SE
DeGraff, MN 56271

Steven Thayer
510 150th Avenue SE
Kerkhaven, MN 56252

Greg Thompson
66995 County Hwy 10
Ortonville, MN 56278

Jim Threcses
2753 120th
Canby, MN 56220

Amy Trygestad
Northland Concrete and Masonry
12026 Riverwood Drive
Burnsville, MN 55337

Marlyn and Dorothy Vangness
42072 County Hwy 36
Correll, MN 56227

Phil Smith
MN DOC - MOES - Energy Information
Center
85 7Th Place East
Suite 500
St Paul, MN 55101

Joe Stesig
1085 50th Street SW
Danvers, MN 56231

Jim Stone
1310 200th Avenue
Canby, MN 56220

Mary Jo Stueve
518 St. Joseph Avenue
PO Box 308
Graceville, MN 56240

Todd Tadych
American Transmission
Company LLC
2 Fen Oak Court
Madison, WI 53718

Jon Theisen
1592 100th Street North
Canby, MN 56220

Richard Thompson
34671 680th Avenue
Ortonville, MN 56278

Mitch Toftg
1110 130th Avenue SE
Kerkhoven, MN 56252

Emily Ulmer
Sierra Club
85 Second Street 2nd floor
San Francisco, CA 94105

Jeffrey Vascoe
314 Hauffager Avenue
Canby, MN 56220

Todd Vesperman
US Army Corps of Engineers
190 Fifth St. East
St. Paul, MN 55101

Sandy Wadsworth
1101 East 145th Street
Burnsville, MN 55337

J. Chuck Walters
68937 240th Street
Graceville, MN 56240

Donald Wersing
590 30th Street SW
Danvers, MN 56231

Paul White
Project Resources Corp.
625 8th Ave. SE
Minneapolis, MN 55414

Brian Wojtalenicz
139 N. Miles St.
Appleton, MN 56208

Pete Wyckoff
1111 Park Avenue
Morris, MN 56267

IUOE Local 49
2109 251st St
St. Cloud, Mn 56301

Ingrid Vick
HDR Engineering Inc.
701 Xenia Avenue South
Suite 600
Minneapolis, MN 55416

Tim Walsh
955 15th Avenue SE
Benson, MN 56215

Bruce Wellendorf
36564 - 640th Street
Ortonville, MN 56278

Rita Wersinger
590 30th Street SW
Danvers, MN 56231

Don Wiese
60227 US Hwy 12
Correll, MN 56227

Robert Wolfington III
Marshall Independent
508 West Main
Marshall, MN 56258

Dean Young
10121 120th Street NW
Pennock, MN 56279

IUOE Local 49
128 Ridge Road
New London, MN 56361

Richard Vroman
3439 230th Steet
Milroy, MN 56263

Tom Walsh
705 100th St. S.E
DeGraff, MN 56271

Craig Wersing
590 30th St. SW
Danvers, MN 56208

Tina Wexler
Aldridge Electric
844 E Rockland Road
Libertyville, IL 60048

Don Wodek
ENSR Corporation
4500 Park Glen Road
Suite 210
St. Louis Park, MN 55416

Ben Wulff
67353 240th
Johnson, MN 56236

Brian Zelenak
Xcel Energy
414 Nicollet Mall
7th Floor
Mpls, MN 55401

Ulteig Engineers
3350 38th Ave S.
Fargo, ND 58104