

## FIGURES

**APPENDIX A**  
**M-Power, LLC Transmission Facility Site Selection Policy**

# M-Power, LLC Transmission Facility Site Selection Policies Resolution

Whereas, M-Power, LLC is a community-based, locally-owned, wind resource development company, whose mission is to develop projects that offer landowners and local investors an opportunity to share in the economic benefits of wind generation, and

Whereas, the constituency of M-Power, LLC is landowner-based and as such, desire to be good stewards of the land and the environment, and

Whereas, M-Power, LLC desires to avoid, minimize, or mitigate any adverse affects that its project(s) may have on landowners, the environment, or other utilities, and

Whereas, M-Power, LLC will strictly adhere to the local, regional, state, and federal requirements relative to landowner and environmental concerns resulting from the project(s), and

Whereas, there are often trade-offs among environmental, landowner, economics, and technical considerations, and

Whereas, M-Power, LLC benefits from the broad experience of its personnel who have successfully sited power plants, wind farms, high voltage transmission lines, and related facilities to the mutual satisfaction of landowners, regulators, other utilities, and facility owners.

Now, therefore, be it resolved that M-Power, LLC shall adopt and apply the following transmission facility site selection policies in its development efforts:

1. Identify potential conflicts among landowner, environmental, economic, technical, other utilities, and regulator interests early in the project development; avoid or resolve before final decisions are made.
2. Prefer to locate transmission line routes “square-with-the-world” over diagonal routes, when there is evidence of cultivated fields and/or existing field patterns.
3. Prefer untilled rangeland to cultivated fields for transmission facility siting.
4. Prefer the “quarter-line” (half-mile line) routing of transmission lines over routes adjacent to section lines.
5. Take advantage of existing rights-of-way that might accommodate collocation or compatible contiguous alignment.
6. Consider viable alternative routing opportunities early in the planning stages.

7. Coordinate development plans with other utilities serving the area and having existing infrastructure within the general vicinity of M-Power project(s), and consider their recommendations in the project(s) development.
8. Consult with landowners, regulators, and designers to select the least objectionable site.
9. Accommodate the desires of affected landowners whenever such decision is environmentally, technically and economically feasible.
10. Mitigate siting problems that cannot otherwise be avoided or resolved.

## **APPENDIX B**

### **M-Power, LLC Landowner and Local Utilities Relation Policy**

# M-Power, LLC Landowner and Local Utility Relations Policy Resolution

Whereas, M-Power, LLC is a community-based, locally-owned, wind resource development company, whose mission is to develop projects that offer landowners and local investors an opportunity to share in the economic benefits of wind generation, and

Whereas, the business model adapted by M-Power, LLC provides the opportunity for landowners to voluntarily participate in ownership of a project through their willingness to exercise wind resource options, wind turbine easements, and/or transmission line rights-of-way easements, and

Whereas, M-Power, LLC has provided additional investment opportunities for landowners in the footprint and other local investors to participate in its ownership, and

Whereas, many of the owners of the wind farm project(s) developed by M-Power, LLC will be those within the footprint of the project(s), and those who provide easements for transmission line rights-of-way or turbine facilities, and other local investors, and

Whereas, M-Power, LLC desires to establish and maintain good working relationships with its owners and other landowners affected by the projects, and

Whereas, M-Power, LLC desires to establish and maintain good working relationships with other utilities currently serving its landowners and local investors, and

Whereas, M-Power, LLC desires to establish a model that will encourage emulation by other landowners and utilities throughout the state of North Dakota.

Now, therefore, be it resolved that M-Power, LLC shall adopt and apply the following policies in its development efforts:

11. Provide the opportunity for landowners affected by project facilities such as: turbine sites, access roads, maintenance buildings, substations, transmission lines, or other project elements, to communicate their concerns directly with project planners, engineers, and contractors before final decisions are made.
12. Accommodate the desires of affected landowners whenever such decision is environmentally, technically and economically feasible.
13. Provide fair-market remuneration to the affected landowner for any damages, adverse affects, easements, or other negative impacts caused by the project that may be mutually agreed upon by the landowner and M-Power, LLC.

14. Coordinate development plans with other utilities who have existing infrastructure within the vicinity of the project(s) and who serve the area, and consider their recommendations in the project(s) development.
15. Provide the opportunity for other utilities who have existing infrastructure within the vicinity of the project(s) and who serve the area, to participate in the benefits of the project(s) that may be developed.

**APPENDIX C**

**M-Power, LLC Ten-Year Plan**

**TEN YEAR PLAN: 2008-2018**

**M-Power, LLC**

**May 2008**

M-Power, LLC is a wind resource Development Company. As such, its primary purpose is to identify, evaluate, and secure the rights to develop wind resources to the point that a quantifiable project, with identified buyers, and a feasible electrical transmission solution has been permitted and authorized for construction. At that point, the Development Company establishes a Project Company, e.g., M-Power One, LLC. The Project Company has at least three business options: 1.) Pursue a long-term Power Purchase Agreement (PPA) with the intended buyer; 2.) Sell the Project as a Construction Ready (CR) Project, in which case the rights to that Project (or portion of a Project) is sold to the buyer; or 3.) Build the Project, commission the turbines, and sell the completed Project to the buyer. This option is referred to as a Build-Transfer (BT) Project. For this Application, M-Power One, LLC is currently negotiating a 157.5 MW PPA for part of the Luverne foot print and a 49.5 MW CR Project that will be contiguous and in the same footprint.

An additional 50MW is under consideration for development, contiguous to the Luverne footprint, within the near term. The business model for the 50MW addition to the initial concurrent projects described above has not yet been determined.

The Luverne Wind Farm output will be delivered to the transmission grid by way of a planned Minnkota Power Cooperative (Minnkota) owned 230 KV transmission line from Pillsbury to West Fargo. In order to access this interconnection solution, M-Power plans to build a “generation outlet” 230 KV transmission line of approximately 13 miles from a collector station located on the east side of the Luverne Wind Farm to the proposed Pillsbury substation.

M-Power is designing and securing the necessary permits and rights-of-way for a 230 kV transmission line that will provide a generation outlet to the regional transmission grid. This is a 13-mile line that has the capacity to carry the generation from near the mid-point of the Luverne footprint to a planned substation to be built by Minnkota Power Cooperative just west of Pillsbury, North Dakota. Minnkota will also build a 230 KV transmission line from Pillsbury, approximately 60 miles to the Maple River Substation near Fargo, North Dakota.

It is a broadly known fact that the “Pembina Ridge,” which generally runs north-south through the west edge of Steele County and the east edge of Griggs County, holds high potential for wind generation. M-Power’s wind monitoring data has indicated that there are several additional areas within Griggs and Steele Counties that have relatively high developable wind resources. Each area has its own constraints however; the most significant of which is a transmission outlet. Pending transmission solutions, and of course, market opportunity, M-Power plans to pursue the development of up to 500MW of wind generation within the two counties.

M-Power plans to pursue all viable business options during the next ten years. The expansion location, timing, and type of project priorities will be, in large part, dictated by the location of developable wind resources, market demands, transmission solutions, and M-Power’s management decisions.

It is highly probable that M-Power will pursue additional project developments in Griggs and Steele Counties within the next two to five years.

M-Power has spent a good deal of time and money to structure its business model with local ownership. Although M-Power is a locally owned and locally governed entity, its development interests may extend beyond the two counties in which the wind resource research has been conducted. Other Projects with potential for development may be pursued if landowners in other areas express an interest in the business model, during the ten year period.

DRAFT

## **APPENDIX D**

### **Design Data Report**

**LUVERNE WIND FARM GENERATION OUTLET  
BARNES AND STEELE COUNTIES, NORTH DAKOTA**

---

---

**DESIGN DATA REPORT**

---

---

**Project**

- Approximately 13-mile transmission line.
- Final layout and structure types to be completed after design is finalized.

**Transmission Line**

---

**GENERAL SPECIFICATIONS**

Voltage	230-kV
Average Height	60 feet (H-frame)
Capacity	300 MW
Operating Capacity	150 MW
Average Span Length	750 feet
Structure Type	H-frame
Minimum Conductor Size	795 kcmil Aluminum Conductor Steel Reinforced (ACSR)
Shield Wire	3/8 inch EHS and Optical Ground Wire
Right-of-Way	125 feet wide (typical)
Average Pole Depth	11 to 13 feet
Average Pole Diameter	18 inches
Foundation Type	Direct imbed tangent, rock back-fill – guyed angles and dead ends



Pillsbury - Fargo  
Generation Outlet Project



**APPENDIX E**

**Class I Cultural Resources Inventory Data**

**M-Power: Luverne Wind Farm Generation Outlet Project  
Class I Literature Search  
In Barnes and Steele Counties, North Dakota**

**For**

**M-Power, LLC  
Finley, North Dakota**

**By**

**HDR Engineering Inc  
701 Xenia Avenue South  
Suite 600  
Minneapolis, MN 55416**

**(763) 591-5400**

**Project No: 80575  
March 2008**

## Luverne Wind Farm Generation Outlet Cultural Resource Literature Review

This memorandum documents the cultural resources data collection (Class I Literature Search) for the proposed 230 kV transmission line from the proposed Luverne Wind Farm in Steel County, North Dakota to the proposed Pillsbury Substation in Barnes County, North Dakota, also known as the Luverne Wind Farm Generation Outlet project. In March 2008 HDR reviewed information on file at the North Dakota State Historic Preservation Office (NDSHPO) to ensure that relevant cultural properties in the study area were considered during project planning. Cultural resource data, housed at the NDSHPO in Bismarck, North Dakota, consisted of cultural resource site files, cultural resource site leads, and previous professional cultural resource surveys and reports.

### Cultural Resource Reports and Sites

HDR reviewed existing cultural resources documentation for specific sections in the following townships for the study area (Table 1). These township sections are spread across Barnes and Steele Counties in North Dakota. The project area is comprised of a linear route that travels in a general north to south direction. The proposed corridor is 2 miles wide.

**Table 1.**  
**Corridor Area (Luverne Wind Farm Generation Outlet)**

Township Name	Township	Range	Sections
Baldwin	143N	57W	1,12,13
Carpenter	144N	56W	5,6,7,8,17,18,19,20,29,30,31,32
Ellsbury	143N	56W	5,6,7,8,17,18
Melrose	145N	56W	28,29,30,31,32,33
Riverside	145N	57W	25,26,27,34,35,36
Willow Lake	144N	57W	1,2,3,4,12,13,24,25,36

The archival report inventory documented four previous cultural resource investigations within the project vicinity. These reports illustrate a wide variety of investigations in the study area, including those conducted in support of natural gas pipeline projects, road construction and historic church inventories.

**Table 2.**  
**Previous Cultural Resource Investigations within the Project Vicinity**

Manuscript Number	Report Date	Manuscript Title	Author(s)	Comment
005443	1990	Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry and Ward Counties, Class III Cultural Resource Survey	Schweigert, K.	Field survey for natural gas pipeline
004280	1997	Field Reconnaissance Survey of Churches in Barnes, Ransom, Richland, Sargent and Steele Counties of North Dakota	James R. Schimmer/	Field survey of churches in 5 ND counties, NEAR
009969	2006	Keystone Pipeline Project: Class I, II and III Cultural Resources Investigations in Eastern North Dakota, Volumes 1 & 2 & Addendum 1 (2007)	Bleier, A., E. Stine, J. Mayer, M McFaul, A. Kulevsky, A. Barth	Literature Review and Field survey for natural gas pipeline
005944	1981	Hope Historic Structures Survey, Steele County, North Dakota	Jonason, R.	

Previous investigations documented one cultural resource site potentially within the corridor.

*#4280 Final Report Field Reconnaissance of Churches in Barnes, Ransom, Richland, Sargent and Steele Counties of North Dakota:*

*32BAX0184* is the location of the Algeo Post Office. The site was recorded in Township 143N, Range 57W, Section 4 or Section 12. The southeast quarter of Section 12 is within the corridor; however, the proposed route does not enter Section 12. Therefore, no impacts to this site are anticipated.

**SHPO Correspondence**

On March 19, 2008, M-Power contacted the North Dakota SHPO (ND SHPO) to request a review of potential project-related impacts on known or suspected cultural resources along the proposed 230-kV transmission line route. The ND SHPO did not respond.

**Conclusions**

No impacts to previously recorded cultural resources are anticipated. M-Power will conduct a Class III intensive cultural resources inventory for areas that have not received previous survey for construction of the transmission line. These investigations will be conducted by a professional archeologist permitted by the State of North Dakota per NDCC Section 55-03-01. The nature of the cultural resource inventory would depend on surface exposure and the characteristics of the landform for development. For the survey, archaeologists will design a survey methodology to document the areas proposed for ground

disturbance, identify existing archaeological resources within those areas, and offer recommendations for archaeological avoidance and impact minimization.

**A & H P MANUSCRIPT REPORT**

Date: 3/4/08

Selected by: Township 143  
Range 056

Page 1 of 1

TOWNSHIP: 143 RANGE: 056 SECTION: 18  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 143 RANGE: 056 SECTION: 17  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 143 RANGE: 056 SECTION: 22  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 143 RANGE: 056 SECTION: 23  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 143 RANGE: 056 SECTION: 24  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 143 RANGE: 056 SECTION: 25  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 143 RANGE: 056 SECTION: 16  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 143 RANGE: 056 SECTION: 15  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 143 RANGE: 056 SECTION: 17  
MANUSCRIPT\_NO:004280 YEAR: 1987  
TITLE: Final Report Field Reconnaissance Survey of Churches in Barnes, Ransom, Richland, Sargent and Steele Counties of ND  
AUTHOR(s): Schimmer, J.

**A & H P MANUSCRIPT REPORT**

Date: 3/4/08

Selected by: Township 143  
Range 057

Page 1 of 3

TOWNSHIP: 143      RANGE: 057      SECTION: 19  
MANUSCRIPT\_NO:000972      YEAR: 1980  
TITLE: 1978-1979 Cultural Resource Investigations Along the Middle Sheyenne River Valley Including Lake Ashtabula and A Portion of the Sheyenne River, Vol. 1, Barnes Co., Griggs Co., & Steele Co., ND  
AUTHOR(s): Fox, R.

TOWNSHIP: 143      RANGE: 057      SECTION: 07  
MANUSCRIPT\_NO:000085      YEAR: 1948  
TITLE: Preliminary Appraisal of the Archeological and Paleontological Resources of the Baldhill Reservoir, North Dakota, Griggs Co. & Barnes Co., ND  
AUTHOR(s): Kivett, M.

TOWNSHIP: 143      RANGE: 057      SECTION: 08  
MANUSCRIPT\_NO:000085      YEAR: 1948  
TITLE: Preliminary Appraisal of the Archeological and Paleontological Resources of the Baldhill Reservoir, North Dakota, Griggs Co. & Barnes Co., ND  
AUTHOR(s): Kivett, M.

TOWNSHIP: 143      RANGE: 057      SECTION: 06  
MANUSCRIPT\_NO:000217      YEAR: n.d.  
TITLE: Report on the Archaeological Aerial Survey of Lake Ashtabula, Barnes Co., & Griggs Co., North Dakota  
AUTHOR(s): Strachan, R.      K. Roetzel

TOWNSHIP: 143      RANGE: 057      SECTION: 07  
MANUSCRIPT\_NO:000217      YEAR: n.d.  
TITLE: Report on the Archaeological Aerial Survey of Lake Ashtabula, Barnes Co., & Griggs Co., North Dakota  
AUTHOR(s): Strachan, R.      K. Roetzel

TOWNSHIP: 143      RANGE: 057      SECTION: 18  
MANUSCRIPT\_NO:000217      YEAR: n.d.  
TITLE: Report on the Archaeological Aerial Survey of Lake Ashtabula, Barnes Co., & Griggs Co., North Dakota  
AUTHOR(s): Strachan, R.      K. Roetzel

TOWNSHIP: 143      RANGE: 057      SECTION: 19  
MANUSCRIPT\_NO:000217      YEAR: n.d.  
TITLE: Report on the Archaeological Aerial Survey of Lake Ashtabula, Barnes Co., & Griggs Co., North Dakota  
AUTHOR(s): Strachan, R.      K. Roetzel

TOWNSHIP: 143      RANGE: 057      SECTION: 19  
MANUSCRIPT\_NO:000547      YEAR: 1978  
TITLE: Archaeological Field Report: 1978 Fall Field Season and Rip Rap Operation Investigations, Lake Ashtabula, Barnes Co., North Dakota  
AUTHOR(s): Fox, R.

TOWNSHIP: 143      RANGE: 057      SECTION: 07  
MANUSCRIPT\_NO:000547      YEAR: 1978  
TITLE: Archaeological Field Report: 1978 Fall Field Season and Rip Rap Operation Investigations, Lake Ashtabula, Barnes Co., North Dakota  
AUTHOR(s): Fox, R.

**A & H P MANUSCRIPT REPORT**

Date: 3/4/08

Selected by: Township 143  
Range 057

Page 2 of 3

- TOWNSHIP: 143 RANGE: 057 SECTION: 06  
MANUSCRIPT\_NO:000085 YEAR: 1948  
TITLE: Preliminary Appraisal of the Archeological and Paleontological Resources of the Baldhill Reservoir, North Dakota, Griggs Co. & Barnes Co., ND  
AUTHOR(s): Kivett, M.
- TOWNSHIP: 143 RANGE: 057 SECTION: 18  
MANUSCRIPT\_NO:000972 YEAR: 1980  
TITLE: 1978-1979 Cultural Resource Investigations Along the Middle Sheyenne River Valley Including Lake Ashtabula and A Portion of the Sheyenne River, Vol. 1, Barnes Co., Griggs Co., & Steele Co., ND  
AUTHOR(s): Fox, R.
- TOWNSHIP: 143 RANGE: 057 SECTION: 20  
MANUSCRIPT\_NO:009969 YEAR: 2006  
TITLE: Keystone Pipeline Project: Class I, II, and III Cultural Resource Investigations in Eastern North Dakota, Volumes 1 & 2 & Addendum 1 (2007)  
AUTHOR(s): Bleier, A. E. Stine J. Mayer M. McFaul A. Kulevsky  
A. Barth
- TOWNSHIP: 143 RANGE: 057 SECTION: 04  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.
- TOWNSHIP: 143 RANGE: 057 SECTION: 03  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.
- TOWNSHIP: 143 RANGE: 057 SECTION: 02  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.
- TOWNSHIP: 143 RANGE: 057 SECTION: 14  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.
- TOWNSHIP: 143 RANGE: 057 SECTION: 11  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.
- TOWNSHIP: 143 RANGE: 057 SECTION: 13  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

**A & H P MANUSCRIPT REPORT**

Date: 3/4/08

Selected by: Township 143  
Range 057

Page 3 of 3

TOWNSHIP: 143      RANGE: 057      SECTION: 07  
MANUSCRIPT\_NO:006449      YEAR: 1995  
TITLE: North Dakota Department of Transportation Safety Project Cultural Resource Review 1992-1994

AUTHOR(s): Borchert, J.

TOWNSHIP: 143      RANGE: 057      SECTION: 08  
MANUSCRIPT\_NO:007415      YEAR: 1999  
TITLE: A Report on Cultural Resource Investigations for Dakota Water Users, Inc.: The Class II Sample Survey for the Sharon System Exchange

AUTHOR(s): Larson, T.

TOWNSHIP: 143      RANGE: 057      SECTION: 06  
MANUSCRIPT\_NO:007626      YEAR: 2000  
TITLE: Phase II Testing and Evaluation of Four Archaeological Sites, 32GG3, 32GG236, 32BA7, and 32BA14 at Lake Ashtabula, Griggs and Barnes Co., ND

AUTHOR(s): Stine, E.      A. Kulevsky      T. Madigan

TOWNSHIP: 143      RANGE: 057      SECTION: 07  
MANUSCRIPT\_NO:000972      YEAR: 1980  
TITLE: 1978-1979 Cultural Resource Investigations Along the Middle Sheyenne River Valley Including Lake Ashtabula and A Portion of the Sheyenne River, Vol. 1, Barnes Co., Griggs Co., & Steele Co., ND

AUTHOR(s): Fox, R.

### A & H P MANUSCRIPT REPORT

Date: 3/4/08

Selected by: Township 144  
Range 057

Page 1 of 1

TOWNSHIP: 144 RANGE: 057 SECTION: 05  
MANUSCRIPT\_NO:009969 YEAR: 2006  
TITLE: Keystone Pipeline Project: Class I, II, and III Cultural Resource Investigations in Eastern North Dakota, Volumes 1 & 2 & Addendum 1 (2007)  
AUTHOR(s): Bleier, A. E. Stine J. Mayer M. McFaul A. Kulevsky  
A. Barth

TOWNSHIP: 144 RANGE: 057 SECTION: 33  
MANUSCRIPT\_NO:009969 YEAR: 2006  
TITLE: Keystone Pipeline Project: Class I, II, and III Cultural Resource Investigations in Eastern North Dakota, Volumes 1 & 2 & Addendum 1 (2007)  
AUTHOR(s): Bleier, A. E. Stine J. Mayer M. McFaul A. Kulevsky  
A. Barth

TOWNSHIP: 144 RANGE: 057 SECTION: 28  
MANUSCRIPT\_NO:009969 YEAR: 2006  
TITLE: Keystone Pipeline Project: Class I, II, and III Cultural Resource Investigations in Eastern North Dakota, Volumes 1 & 2 & Addendum 1 (2007)  
AUTHOR(s): Bleier, A. E. Stine J. Mayer M. McFaul A. Kulevsky  
A. Barth

TOWNSHIP: 144 RANGE: 057 SECTION: 21  
MANUSCRIPT\_NO:009969 YEAR: 2006  
TITLE: Keystone Pipeline Project: Class I, II, and III Cultural Resource Investigations in Eastern North Dakota, Volumes 1 & 2 & Addendum 1 (2007)  
AUTHOR(s): Bleier, A. E. Stine J. Mayer M. McFaul A. Kulevsky  
A. Barth

TOWNSHIP: 144 RANGE: 057 SECTION: 30  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 144 RANGE: 057 SECTION: 31  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 144 RANGE: 057 SECTION: 33  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 144 RANGE: 057 SECTION: 32  
MANUSCRIPT\_NO:005443 YEAR: 1990  
TITLE: Cenex Pipeline Company Fargo Extension, Steele, Griggs, Foster, Cass, Barnes, Eddy, Wells, Pierce, McHenry, and Ward Counties, Class III Cultural Resource Survey (also see MS 5591)  
AUTHOR(s): Schweigert, K.

TOWNSHIP: 144 RANGE: 057 SECTION: 09  
MANUSCRIPT\_NO:004280 YEAR: 1987  
TITLE: Final Report Field Reconnaissance Survey of Churches in Barnes, Ransom, Richland, Sargent and Steele Counties of ND  
AUTHOR(s): Schimmer, J.

**A & H P MANUSCRIPT REPORT**

Date: 3/4/08

Selected by: Township 144  
Range 056

Page 1 of 2

TOWNSHIP: 144 RANGE: 056 SECTION: 35  
MANUSCRIPT\_NO:009687 YEAR: 2006  
TITLE: STATEOP-0454 Class III Inventory Report, Steele Co., ND

AUTHOR(s): Wermers, G.

TOWNSHIP: 144 RANGE: 056 SECTION: 04  
MANUSCRIPT\_NO:009320 YEAR: 2005  
TITLE: Community Transportation Enhancement Grant Program: A Class III Cultural Resource Inventory in Dunn, Pierce, Steele and Williams Co., ND

AUTHOR(s): Stine, E.

TOWNSHIP: 144 RANGE: 056 SECTION: 01  
MANUSCRIPT\_NO:008733 YEAR: 1998  
TITLE: North Dakota Highway 38 Rows Survey. A Class III Cultural Resource Inventory From Page, ND North to ND Highway 32. Cass & Steele Co., ND

AUTHOR(s): Kinney, W.

TOWNSHIP: 144 RANGE: 056 SECTION: 02  
MANUSCRIPT\_NO:008733 YEAR: 1998  
TITLE: North Dakota Highway 38 Rows Survey. A Class III Cultural Resource Inventory From Page, ND North to ND Highway 32. Cass & Steele Co., ND

AUTHOR(s): Kinney, W.

TOWNSHIP: 144 RANGE: 056 SECTION: 03  
MANUSCRIPT\_NO:008733 YEAR: 1998  
TITLE: North Dakota Highway 38 Rows Survey. A Class III Cultural Resource Inventory From Page, ND North to ND Highway 32. Cass & Steele Co., ND

AUTHOR(s): Kinney, W.

TOWNSHIP: 144 RANGE: 056 SECTION: 12  
MANUSCRIPT\_NO:008733 YEAR: 1998  
TITLE: North Dakota Highway 38 Rows Survey. A Class III Cultural Resource Inventory From Page, ND North to ND Highway 32. Cass & Steele Co., ND

AUTHOR(s): Kinney, W.

TOWNSHIP: 144 RANGE: 056 SECTION: 04  
MANUSCRIPT\_NO:008733 YEAR: 1998  
TITLE: North Dakota Highway 38 Rows Survey. A Class III Cultural Resource Inventory From Page, ND North to ND Highway 32. Cass & Steele Co., ND

AUTHOR(s): Kinney, W.

TOWNSHIP: 144 RANGE: 056 SECTION: 36  
MANUSCRIPT\_NO:006622 YEAR: 1995  
TITLE: Bridge (112-30) Replacement Project in Steele County, North Dakota. A Report of a Class III Cultural Resource Inventory for the Proposed County Highway Project DPI-0036(002)463

AUTHOR(s): Kinney, W.

TOWNSHIP: 144 RANGE: 056 SECTION: 35  
MANUSCRIPT\_NO:006622 YEAR: 1995  
TITLE: Bridge (112-30) Replacement Project in Steele County, North Dakota. A Report of a Class III Cultural Resource Inventory for the Proposed County Highway Project DPI-0036(002)463

AUTHOR(s): Kinney, W.

**A & H P MANUSCRIPT REPORT**

Date: 3/4/08

Selected by: Township 144  
Range 056

Page 2 of 2

TOWNSHIP: 144      RANGE: 056      SECTION: 01  
MANUSCRIPT\_NO:005944      YEAR: 1981  
TITLE: Hope Historic Structures Survey, Steele Co., ND

AUTHOR(s): Jonason, R.

TOWNSHIP: 144      RANGE: 056      SECTION: 01  
MANUSCRIPT\_NO:004280      YEAR: 1987  
TITLE: Final Report Field Reconnaissance Survey of Churches in Barnes, Ransom, Richland, Sargent and Steele Counties of ND

AUTHOR(s): Schimmer, J.

**A & H P MANUSCRIPT REPORT**

Date: 3/4/08

Selected by: Township 145  
Range 056

Page 1 of 1

TOWNSHIP: 145      RANGE: 056      SECTION: 34  
MANUSCRIPT\_NO:008733      YEAR: 1998  
TITLE: North Dakota Highway 38 Rows Survey. A Class III Cultural Resource Inventory From Page, ND North to ND Highway  
32. Cass & Steele Co., ND  
AUTHOR(s): Kinney, W.

TOWNSHIP: 145      RANGE: 056      SECTION: 35  
MANUSCRIPT\_NO:008733      YEAR: 1998  
TITLE: North Dakota Highway 38 Rows Survey. A Class III Cultural Resource Inventory From Page, ND North to ND Highway  
32. Cass & Steele Co., ND  
AUTHOR(s): Kinney, W.

TOWNSHIP: 145      RANGE: 056      SECTION: 36  
MANUSCRIPT\_NO:008733      YEAR: 1998  
TITLE: North Dakota Highway 38 Rows Survey. A Class III Cultural Resource Inventory From Page, ND North to ND Highway  
32. Cass & Steele Co., ND  
AUTHOR(s): Kinney, W.

TOWNSHIP: 145      RANGE: 056      SECTION: 31  
MANUSCRIPT\_NO:005944      YEAR: 1981  
TITLE: Hope Historic Structures Survey, Steele Co., ND  
AUTHOR(s): Jonason, R.

**A & H P MANUSCRIPT REPORT**

Date: 3/4/08

Selected by: Township 145  
Range 057

Page 1 of 1

TOWNSHIP: 145      RANGE: 057      SECTION: 04  
MANUSCRIPT\_NO:009969      YEAR: 2006  
TITLE: Keystone Pipeline Project: Class I, II, and III Cultural Resource Investigations in Eastern North Dakota, Volumes 1 & 2 & Addendum 1 (2007)  
AUTHOR(s): Bleier, A.      E. Stine      J. Mayer      M. McFaul      A. Kulevsky  
A. Barth

TOWNSHIP: 145      RANGE: 057      SECTION: 33  
MANUSCRIPT\_NO:009969      YEAR: 2006  
TITLE: Keystone Pipeline Project: Class I, II, and III Cultural Resource Investigations in Eastern North Dakota, Volumes 1 & 2 & Addendum 1 (2007)  
AUTHOR(s): Bleier, A.      E. Stine      J. Mayer      M. McFaul      A. Kulevsky  
A. Barth

TOWNSHIP: 145      RANGE: 057      SECTION: 30  
MANUSCRIPT\_NO:000972      YEAR: 1980  
TITLE: 1978-1979 Cultural Resource Investigations Along the Middle Sheyenne River Valley Including Lake Ashtabula and A Portion of the Sheyenne River, Vol. 1, Barnes Co., Griggs Co., & Steele Co., ND  
AUTHOR(s): Fox, R.

TOWNSHIP: 145      RANGE: 057      SECTION: 31  
MANUSCRIPT\_NO:000972      YEAR: 1980  
TITLE: 1978-1979 Cultural Resource Investigations Along the Middle Sheyenne River Valley Including Lake Ashtabula and A Portion of the Sheyenne River, Vol. 1, Barnes Co., Griggs Co., & Steele Co., ND  
AUTHOR(s): Fox, R.

### *Legals Search*

<i>County</i>	<i>Site</i>	<i>Township</i>	<i>Range</i>	<i>Section</i>	<i>AreaSig1</i>
BA	X0262	143	057	11	Archeological
+ BA	X0184	143	057	12	Historical
BA	00412	143	057	19	Archeological

### *Legals Search*

<i>County</i>	<i>Site</i>	<i>Township</i>	<i>Range</i>	<i>Section</i>	<i>AreaSig1</i>
ST	00002	145	057	30	Architectural
ST	00002	145	057	30	Historical

### *Legals Search*

<i>County</i>	<i>Site</i>	<i>Township</i>	<i>Range</i>	<i>Section</i>	<i>AreaSig1</i>
ST	X0010	144	056	27	Historical
ST	00156	144	056	35	Architectural
ST	00156	144	056	36	Architectural

145 056 1-36 none

### *Legals Search*

<i>County</i>	<i>Site</i>	<i>Township</i>	<i>Range</i>	<i>Section</i>	<i>AreaSig1</i>
ST	X0049	144	057	28	Archeological
ST	00145	144	057	30	Architectural
ST	00145	144	057	30	Historical
ST	00843	144	057	30	Historical
ST	00159	144	057	32	Architectural
ST	X0011	144	057	32	Architectural
ST	00171	144	057	33	Historical

### *Legals Search*

<i>County</i>	<i>Site</i>	<i>Township</i>	<i>Range</i>	<i>Section</i>	<i>AreaSig1</i>
BA	00202	143	056	17	Architectural N0
BA	X0181	143	056	21	Historical
BA	X0182	143	056	21	Historical
BA	X0183	143	056	27	Historical

**NDCRS SITE FORM  
HISTORICAL ARCHEOLOGICAL SITES**

SITS # 32 BA X0184  
State County Site Number

Field Code Site Name ALGEO POST OFFICE  
Field Code Site Name

Map Quad  
Map Quad

LTL	Twp 143	Range 057	Section 04	QQQ 0	QQ 0	Q 5	1. N 1/2
LTL	Twp 143	Range 057	Section 12	QQQ 0	QQ 0	Q 5	2. E 1/2
							3. S 1/2
							4. W 1/2
							5. NE 1/4
							6. SE 1/4
							7. SW 1/4
							8. NW 1/4
							9. C

FEATURE TYPE	CULTURAL MATERIAL	SiteType
0 CM Scatter	0 Bone	Context
0 Chimney	0 Ceramics	0 SiteArea
0 Depression	0 Charcoal	m. x m.
0 Dump	0 Cloth	0 Cultural Depth cm.
0 Earthworks	0 Faunal Remains	0 Depth Indicator
0 Fortification	0 Fire Cracked Rock	Occupation Date
0 Foundation	0 Floral Remains	Begin End
0 Graves	0 Glass	0 0
0 Hearth	0 Hide,Hair,Fur	Basis for Dating
0 Machinery	0 Human Remains	
0 Quarry/Mine	0 Masonry	
0 Rock Art	0 Metal	
0 Trail	0 Plastic	
0 Wreck	0 Rubber	
0 Other	0 Shell	0 CM Density
	0 Wood	0 Isolated Find
	0 Other	

Landform 1	Landform 2	Slope/Exposure	Ecosystem
Landform 1	Landform 2	Slope/Exposure	Ecosystem
Elevation:	Drainage System	View, Degree	View, Distance
0 m.			
Dist Perm Water	Perm Water Type	Dist Seas Water	Seas Water Type
0 m.		0 m.	

Ownership	Ownership
Fieldwork Date	Fieldwork Date
Site Condition	Excavation
Collection	Test/Probe
Additional Information	Management Recommendation
REAP 1978	

0 Soils 15 Ecozone 3 Area Signif  
 0 Soils Ecozone Area Signif E BEBSIB Coder  
 0 CR Type 0 Verified Site 0 Non-Site 3 ECF 3 TF 1/18/80 DateCoded  
 0 State Registry 0 National Register Update

NORTH DAKOTA  
CULTURAL RESOURCES  
DATA BANK FORM

Field Number \_\_\_\_\_

Site Name 1939 POST OFFICE

F1 Map Reference \_\_\_\_\_

F2 \_\_\_\_\_

State 32 County BA Site Number X184 Twp. 14357 R. 14 Sec. 14 Subsection 0 City \_\_\_\_\_  
 F3 F4 F5 F6 F7 F8 F9 F10

Elevation \_\_\_\_\_ Surface Owner \_\_\_\_\_ Subsurface Owner \_\_\_\_\_ Erosion \_\_\_\_\_ Rodent Activity \_\_\_\_\_ Vandalism \_\_\_\_\_ Cultivation Damage \_\_\_\_\_ Construction Damage \_\_\_\_\_  
 F11 F12 F13 F14 F15 F16 F17 F18

Grazing Damage \_\_\_\_\_ Mining Damage \_\_\_\_\_ Other \_\_\_\_\_ Physical Integrity \_\_\_\_\_ Ecological Zone \_\_\_\_\_ Landform I \_\_\_\_\_ Landform II \_\_\_\_\_ General Topography \_\_\_\_\_  
 F19 F20 F21 F22 F23 F24 F25 F26

Exposure \_\_\_\_\_ View \_\_\_\_\_ Lookout \_\_\_\_\_ Ecosystem \_\_\_\_\_ Soil Association \_\_\_\_\_ Geological Strata \_\_\_\_\_ Stream Name \_\_\_\_\_  
 F27 F28 F29 F30 F31 F32 F33

Distance to Water \_\_\_\_\_ Water Type \_\_\_\_\_ Cultural Depth \_\_\_\_\_ Site Area \_\_\_\_\_ Surface Collection \_\_\_\_\_ Test \_\_\_\_\_ Excavation \_\_\_\_\_ Date of Field Work \_\_\_\_\_  
 F34 F35 F36 F37 F38 F39 F40 F41

Site Photos \_\_\_\_\_ Site Maps \_\_\_\_\_ Management Recommendations \_\_\_\_\_ Register Status \_\_\_\_\_ Area of Significance \_\_\_\_\_ Cultural Resource Type \_\_\_\_\_ Thematic Category \_\_\_\_\_ Rock Arrangements \_\_\_\_\_  
 F42 F43 F44 F45 F46 F47 F48 F49

Tipi Ring \_\_\_\_\_ Earthlodge Village \_\_\_\_\_ Earthworks \_\_\_\_\_ Rock Shelter \_\_\_\_\_ Ruins House Sites \_\_\_\_\_ Kill Site \_\_\_\_\_ Jump \_\_\_\_\_ Quarry/Workshop \_\_\_\_\_ Cache, Storage pit \_\_\_\_\_  
 F50 F51 F52 F53 F54 F55 F56 F57 F58

Hearth \_\_\_\_\_ Artifact Scatter \_\_\_\_\_ Grave, Cemetery \_\_\_\_\_ Mounds or Mound \_\_\_\_\_ Midden, Refuse \_\_\_\_\_ Trails, Roads \_\_\_\_\_ Excavations, Eagle catching pit \_\_\_\_\_ Rock Art \_\_\_\_\_  
 F59 F60 F61 F62 F63 F64 F65 F66

Isolated Find \_\_\_\_\_ Miscellaneous \_\_\_\_\_ Fire cracked rock \_\_\_\_\_ Trade Goods \_\_\_\_\_ Chipped stone work \_\_\_\_\_ Projectile points \_\_\_\_\_ Woodwork \_\_\_\_\_ Worked bone \_\_\_\_\_  
 F67 F68 F69 F70 F71 F72 F73 F74

Shell work \_\_\_\_\_ Skin, hair \_\_\_\_\_ Glass \_\_\_\_\_ Ceramics \_\_\_\_\_ Ground stone \_\_\_\_\_ Metal work \_\_\_\_\_ Faunal remains \_\_\_\_\_ Floral remains \_\_\_\_\_ Fossil remains \_\_\_\_\_ Charcoal \_\_\_\_\_  
 F75 F76 F77 F78 F79 F80 F81 F82 F83 F84

Artifact Density \_\_\_\_\_ Early Period \_\_\_\_\_ Middle Period \_\_\_\_\_ Late Period \_\_\_\_\_ Historic \_\_\_\_\_ Period Unknown \_\_\_\_\_ Cultural Affiliation \_\_\_\_\_ Basis for dating \_\_\_\_\_ Significance \_\_\_\_\_  
 F85 F86 F87 F88 F89 F90 F91 F92 F93

Verified Site \_\_\_\_\_ Non-site \_\_\_\_\_  
 F94 F95

Date of Field Work: \_\_\_\_\_

Coder: Benson

Date Coded: 1-18-00

Description, Comments, Problems 1939 POST OFFICE  
 F96 \_\_\_\_\_

Urban: Address: \_\_\_\_\_

Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Plat: \_\_\_\_\_

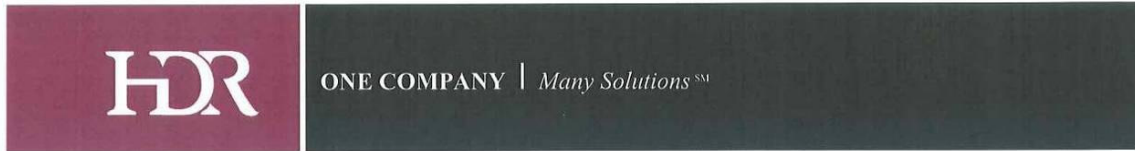
F97 F98 F99 F100

## **APPENDIX F**

Agency Correspondence



Pillsbury - Fargo  
Generation Outlet Project



March 10, 2008

To: Project Notice Distribution List

RE: Proposed construction of a high-voltage transmission line facility from the Luverne Wind Farm in Griggs and Steele Counties to a proposed substation located northwest of Pillsbury in Barnes County, North Dakota

Dear Recipient:

On behalf of M-Power, LLC (M-Power), HDR Engineering, Inc. (HDR) is notifying you of the project described above. The proposed project includes approximately 13 miles of high voltage 230-kV transmission line, which would transport power from M-Power's proposed Luverne Wind Farm to a proposed Otter Tail Power Company and Minnkota Power Cooperative substation located northwest of Pillsbury, North Dakota. HDR is preparing an application that M-Power will submit to the North Dakota Public Services Commission (PSC) for a Certificate of Corridor Compatibility and Route Permit. This notice is provided to the parties identified by NDAC 69-06-01-05 and other parties that have been identified by the PSC staff.

We request that you review the proposed project and then provide comments and/or information about applicable permits that may be required from your office. M-Power anticipates submitting the application to the PSC by mid-May to allow construction to start by mid-summer of 2008. You will receive notice when the PSC application is filed.

As the crosshatched area of the enclosed map shows, the corridor study area is located in Steele and Barnes Counties, North Dakota. The study area is a two-mile wide corridor. Legal descriptions (townships, ranges, and sections) are provided on the attached table.

Comments received by April 15, 2008, will be included in the Certificate of Corridor Compatibility and Route Permit application. If you have questions or concerns contact me as soon as possible at the address, phone number or email provided. You may also contact the M-Power Project Manager Warren Enyart at [WEnyart@griggs-steeleEz.org](mailto:WEnyart@griggs-steeleEz.org). Other project team leaders and I are happy to meet with you at your convenience.

In addition, M-Power is planning to hold an open house meeting in the project area in April to gather public input. Notice of that meeting will be published in local newspapers. Your attendance and participation would be welcome.

HDR Engineering, Inc.

4401 West Gate Blvd, Suite 400  
Austin, Texas 78745

Phone (512) 912-5100  
Fax (512) 912-5158  
[www.hdrinc.com](http://www.hdrinc.com)

Thank you for your assistance.

Sincerely,  
**HDR Engineering, Inc.**

Allen Wynn  
Assistant Project Manager  
Phone: (512)845-6774  
awynn@hdrinc.com

Enclosures: Project Study Area Map  
Table of Study Area Locations  
Project Notice Distribution List

cc: Warren Enyart, M-Power  
Mitchell Shields, HDR

HDR Engineering, Inc.

4401 West Gate Blvd, Suite 400  
Austin, Texas 78745

Phone (512) 912-5100  
Fax (512) 912-5158  
[www.hdrinc.com](http://www.hdrinc.com)

**Agency Notification List**  
**Laverne Wind Form Transmission Line; Barnes and Steel Counties, North Dakota**

State Agencies										
Agency Name		Title	First Name	Last Name	Job Title	Address	City	State	Zip	Phone (701)
Aeronautics Commission	North Dakota Aeronautics Commission	Mr.	Gary R.	Ness	Director	P.O. Box 5020 Bismarck Municipal Airport - General Aviation Terminal 2301 University Drive, Building 1652-22	Bismarck	ND	58502-5020	328-9650
Attorney General	Attorney General's Office	Mr.	Wayne	Stenehjem	Attorney General	State Capitol 600 E. Boulevard Ave., Dept. 125	Bismarck	ND	58505	328-2210
Dept. of Agriculture	North Dakota Department of Agriculture	Mr.	Roger	Johnson	Agriculture Commissioner	600 E Boulevard Ave., Dept. 602	Bismarck	ND	58505-0020	328-2231
Dept. of Health	North Dakota Department of Health	Mr.	Terry	Dwelle, M.D.	State Health Officer	600 East Boulevard Avenue	Bismarck	ND	58505-0200	328-2372
Dept. of Human Services	North Dakota Department of Human Services	Ms.	Carol K.	Olson	Executive Director	600 East Boulevard Ave., Dept. 325	Bismarck	ND	58505-0250	328-4933
Dept. of Labor	North Dakota Department of Labor	Ms.	Lisa	Fair McEvers	Commissioner of Labor	600 East Boulevard Ave., Dept. 406	Bismarck	ND	58505-0340	328-2660
Department of Vocational Education	North Dakota Department of Career and Technical Education	Mr.	Wayne	Kutzer	Director and Executive Officer	State Capitol 15th Floor 600 East Boulevard Avenue, Dept. 270	Bismarck	ND	58505-0610	328-3180
Economic Development Commission	North Dakota Department of Commerce Division of Economic Development and Finance	Mr.	Paul	Lucy	Director	1600 East Century Avenue, Suite 2 P.O. Box 2057	Bismarck	ND	58502-2057	328-5300
Energy Development Impact Office	North Dakota State Land Department	Mr.	Jeff	Engleson	Director of Investment Division	P.O. Box 5523	Bismarck	ND	58506-5523	328-2800
Game and Fish Department	North Dakota Game and Fish Department	Mr.	Terry	Steinwand	Director	100 North Bismarck Expressway	Bismarck	ND	58501-5095	328-6305
Geological Survey	North Dakota Geological Survey	Mr.	Edward C.	Murphy	State Geologist	1016 East Calgary Ave. S.E.	Bismarck	ND	58503	328-8000
Highway Department	North Dakota Department of Transportation	Mr.	Troy	Gilbertson	District Engineer	Fargo District 3 503 38th St. SW	Fargo	ND	58103-1198	239-8904
State Historical Society of ND	State Historical Society of North Dakota	Mr.	Paul	Picha	Chief Archaeologist	North Dakota Heritage Center 612 East Boulevard Avenue	Bismarck	ND	58505-0830	328-2666
Indian Affairs Commission	North Dakota Indian Affairs Commission	Ms.	Cheryl	Kulas	Executive Director	600 East Boulevard Ave. 1st Floor-Judicial Wing	Bismarck	ND	58505-0300	328-2432
Job Service ND	Job Service North Dakota	Ms.	Maren	Daley	Executive Director	P.O. Box 5507	Bismarck	ND	58506-5507	328-2868
Land Department	North Dakota State Land Department	Mr.	Gary	Preszler	Land Commissioner	P.O. Box 5523 918 E Divide, Suite 410	Bismarck	ND	58506-5523	328-2800
Parks and Rec Dept	North Dakota Parks and Recreation Department	Ms.	Chris	Dirk		1600 E. Century Avenue, Suite 3	Bismarck	ND	58503-0649	328-5357

**Agency Notification List**  
**Laverne Wind Form Transmission Line; Barnes and Steel Counties, North Dakota**

State Agencies										
Agency Name		Title	First Name	Last Name	Job Title	Address	City	State	Zip	Phone (701)
State Planning Division - Office of Intergovernmental Assistance- Office of Management and Budget	North Dakota Department of Commerce Division of Community Services	Mr.	Paul	Govig	Director	1600 East Century Avenue, Suite 2 P.O. Box 2057	Bismarck	ND	58503	328-2094
	North Dakota Department of Commerce-Division of Community Services	Ms.	Kim	Christianson	Program Manager	1601 East Century Avenue, Suite 2 P.O. Box 2057	Bismarck	ND	58503	328-5300
State Planning Division - Office of Intergovernmental Assistance- Office of Management and Budget	Office of Management and Budget	Ms.	Pam	Sharp	Director	600 East Boulevard Ave., 4th Floor, Dept. 110	Bismarck	ND	58505-0400	328-2680
Soil Conservation Committee	NDSU Extension Service - North Dakota State Soil Conservation Committee	Mr.	Scott	Hochhalter	Soil Conservation Specialist	2718 Gateway Avenue, Unit #104	Bismarck	ND	58503	328-9718
State Water Commission	North Dakota State Water Commission	Mr.	Dale	Frink	State Engineer	900 East Boulevard, Dept. 770	Bismarck	ND	58505-0850	328-2750
Federal Agencies										
Agency Name		Title	First Name	Last Name	Job Title	Address	City	State	Zip	Phone (701)
U.S. Fish and Wildlife Service	U.S. Fish and Wildlife Service	Mr.	Jeff	Towner	Project Leader	North Dakota Field Office 3425 Miriam Avenue	Bismarck	ND	58501-7926	250-4481
U.S. Corps of Engineers	U.S. Corps of Engineers	Mr.	Daniel	Cimarosti	Regulatory Program Manager	1513 S 12th St.	Bismarck	ND	58504	255-0015
U.S. Department of Agriculture	USDA Natural Resources Conservation Service	Mr.	J. R.	Flores	State Conservationist	PO Box 1458	Bismarck	ND	58502-1458	530-2000
Local Agencies and Officials										
Agency Name		Title	First Name	Last Name	Job Title	Address	City	State	Zip	Phone (701)
Barnes County	Barnes County	Mr.	Ed	McGough	Auditor	230 4th Street NW	Valley City	ND	58072	845-8500
Barnes County	Barnes County Board of Commissioners	Ms.	Cindy	Schwehr	Chair	11442 23R ST SE	Rogers	ND	58479	845-8238
Barnes County	Minnie Lake Township	Mr.	Mike	Abraham	Chair	1840 103th Ave SE	Page	ND	58064	668-2323
Barnes County	Ellsbury Township	Mr.	Jim	Gray	Chair	13106 17 St SE	Page	ND	58064	668-2736
Barnes County	Baldwin Township	Mr.	Rodd	Svenningsen	Chair	12160 14th St SE	LuVerne	ND	58056	945-2436

**Agency Notification List**  
**Laverne Wind Form Transmission Line; Barnes and Steel Counties, North Dakota**

<b>Local Agencies and Officials</b>										
<b>Agency Name</b>		<b>Title</b>	<b>First Name</b>	<b>Last Name</b>	<b>Job Title</b>	<b>Address</b>	<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Phone (701)</b>
Barnes County	Sibley Trail Township	Mr.	Robert	Fus	Chair	11837 15th St SE	Dazey	ND	58429	733-2455
Steele County	Steele County Commission	Mr.	Lance	Fugleberg	Chair	RR 1 Box 49	Portland	ND	58274-9616	786-9214
Steele County	Steele County	Ms.	Linda S.	Leadbeter	Auditor	PO Box 275	Finley	ND	58230-0275	524-2110
Steele County	Carpenter Township	Mr.	Mike	Steinke	Chair	Rt. 2 Box 8	Hope	ND	58046	945-2348
Steele County	Willow Lake Township	Mr.	Tom	Breckheimer	Chair	Box 142	Luverne	ND	58056	769-2244
Steele County	Melrose Township	Mr.	Darren	Meyer	Chair	Rt. 1, Box 106	Hope	ND	58046	945-2744
Steele County	Riverside Township	Mr.	Lloyd	Law	Chair	Rt. 1, Box 32	Finley	ND	58230	797-2276
City of Pillsbury	City of Pillsbury	Mr.	Darrel	Brudevold	Mayor	Box 6	Pillsbury	ND	58065	945-2771
City of Luverne	City of Luverne	Mr.	Alan	Leadbetter	Mayor	P.O. Box 176	Luverne	ND	58056	769-2115
<b>State Elected Officials (Senators and Representatives of districts in the corridor location)</b>										
<b>State Officials</b>		<b>Title</b>	<b>First Name</b>	<b>Last Name</b>	<b>Job Title</b>	<b>Address</b>	<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Phone (701)</b>
District 20	Senator	Mr.	Elroy	Lindaas	Senator	735 153rd Avenue NE	Mayville	ND	58257-9673	786-3064
District 20	Representative	Mr.	Ole	Aarsvold	Representative	709 155th Avenue SE	Blanchard	ND	58009-9513	488-2290
District 20	Representative	Mr.	Lee	Kaldor	Representative	P.O. Box 215	Mayville	ND	58257-0215	788-4288
Governor's Office	Governor's Office	Governor	John	Hoeven	Governor's Office	600 East Boulevard Ave., Dept. 101	Bismarck	ND	58505-0001	328-2200



Wayne Stenehjem  
ATTORNEY GENERAL

STATE OF NORTH DAKOTA  
OFFICE OF ATTORNEY GENERAL

STATE CAPITOL  
600 E BOULEVARD AVE DEPT 125  
BISMARCK, ND 58505-0040  
(701) 328-2210 FAX (701) 328-2226  
www.ag.state.nd.us

March 31, 2008

Warren Enyart, Project Manager  
HDR Engineering  
4401 West Gate Blvd, Suite 400  
Austin TX 78745

Dear Mr. Enyart:

I am responding on behalf of the Attorney General to your letter regarding the proposed construction of a high-voltage transmission facility in North Dakota. You ask that this office review the proposed project and provide comments and/or information about applicable permits.

The Attorney General and members of his staff are prohibited by statute from giving legal advice, opinions, or assistance to private businesses. We may only serve as legal advisors to state officials, state's attorneys, and certain city officials.

Accordingly, we cannot review your information or provide the assistance you requested. For legal assistance and to ensure compliance with all ND laws and permit requirements you should consult an attorney in private practice licensed in this state. If you need assistance finding an attorney, you can contact the State Bar Association at (701) 255-1404.

You may wish to note our response for your file, to avoid making similar requests to this office in the future.

Sincerely,

A handwritten signature in blue ink that reads "Liz Brocker".

Liz Brocker  
Executive Assistant



## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Ecological Services  
3425 Miriam Avenue  
Bismarck, North Dakota 58501



APR 14 2008

Mr. Allen Wynn  
Assistant Project Manager  
HDR Engineering, Inc.  
4401 West Gate Boulevard, Suite 400  
Austin, Texas 78745

Re: Proposed 230kV Transmission Line from  
Luverne Wind Farm to Pillsbury Substation

Dear Mr. Wynn:

This letter is in response to your request dated March 10, 2008, for environmental comments regarding the proposed M-Power, LLC (M-Power) transmission line project. M-Power proposes to construct 13 miles of 230 kilovolt (kV) transmission line to transport power from M-Power's proposed Luverne Wind Farm to a proposed Ottertail Power Company and Minnkota Power Cooperative substation located northwest of Pillsbury, North Dakota. The project area is located in Barnes and Steele Counties, North Dakota. We offer the following comments under the authority of and in accordance with the Migratory Bird Treaty Act (16 U.S.C. 703 et seq.), Bald and Golden Eagle Protection Act (BGEPA) (16 U.S.C. 668-668d, 54 Stat. 250), Executive Order 13186 "Responsibilities of Federal Agencies to Protect Migratory Birds", the Endangered Species Act (ESA) (16 U.S.C. 1531 et seq.), the National Wildlife Refuge System Improvement Act of 1997 (Public Law 105-57), and the National Environmental Policy Act (NEPA) ( Pub. L. 91-190, 42 U.S.C. 4321-4347, January 1, 1970, as amended by Pub. L. 94-52, July 3, 1975, Pub. L. 94-83, August 9, 1975, and Pub. L. 97-258, § 4(b), Sept. 13, 1982).

The U.S. Fish and Wildlife Service (Service) holds certain resources in trust and manages them for the benefit of the American people. These resources include migratory birds, inter-jurisdictional fish, federally-listed threatened and endangered species of plants and animals and their habitats, and units of the National Wildlife Refuges system. When planning an activity, project proponents should give careful consideration to potential impacts to these trust resources and compliance with the laws mentioned above. Additional information is provided below.

### **Migratory Birds**

Adequate consideration for avian resources early in the project planning process can help to minimize impacts to migratory birds. To minimize the electrocution hazard to birds, the Service, with support from the Rural Utilities Service, recommends that new or updated overhead power lines be constructed in accordance with the current guidelines for preventing raptor electrocutions. The recommended guidelines can be found in "Suggested Practices for Raptor Protection on Power Lines: The State of the Art in 1996". To increase power line visibility and reduce bird fatalities resulting from collisions with power lines, the Service recommends new power lines that cross or run adjacent to rivers or large wetlands be modified according to "Mitigating Bird Collisions with Power Lines: The State of the Art in 1994". Both publications can be obtained by writing or calling the Edison Electric Institute, P.O. Box 266, Waldorf Maryland 20604-0266, (1-800-334-5453) or visiting their website at [www.eei.org](http://www.eei.org).

### **Threatened and Endangered Species**

A list of federally threatened and endangered species that may occur within the proposed project's area of influence is enclosed (enclosure 1). Section 10(a)(1)(B) of the ESA allows non-Federal parties planning activities that have no Federal nexus, but which could result in the incidental taking of listed animals, to apply for an incidental take permit. (A Federal nexus exists whenever an activity is conducted, funded, or licensed or permitted by a Federal agency). The application must include a Habitat Conservation Plan (HCP) laying out the proposed actions, determining the effects of those actions on affected federally-listed fish and wildlife species and their habitats (often including proposed or candidate species), and defining measures to minimize and mitigate adverse effects.

The Aransas Wood Buffalo Population (AWBP) of whooping cranes is the only self-sustaining migratory population of whooping cranes remaining in the wild. These birds breed in the wetlands of Wood Buffalo National Park in Alberta and the Northwest Territories of northern Canada, and overwinter on the Texas coast. Whooping cranes in the AWBP annually migrate through North Dakota during their spring and fall migrations.

Endangered whooping cranes have been documented using roosting habitat in the vicinity of the proposed transmission line route. The proposed route is located outside the primary 180 mile-wide migration corridor that includes 95% of all confirmed whooping crane sightings in North Dakota (enclosure 2). The presence of suitable roosting and feeding habitat for whooping cranes along the proposed route, and confirmed whooping crane sightings, document the potential for whooping crane presence in the area. A new transmission line in this area has the potential to affect whooping cranes during their annual spring and fall migration through North Dakota. Currently, collisions with power lines are the greatest known source of mortality for fledged whooping cranes, and have accounted for the death or serious injury of at least 46 whooping cranes since 1956.

The Service does not believe that a determination of “no effect” is appropriate for the study area because of, but not limited to, the presence of migrating whooping cranes in this area. However, due to the project location outside of the main migration corridor with only 5% of all confirmed whooping crane sightings in North Dakota, the Service believes that with conservation measures included as part of the project, a determination of “may effect, not likely to adversely affect” for the whooping crane may be appropriate. Conservation measures to avoid or reduce potential impacts to whooping cranes include, but are not limited to: burying all new electrical transmission lines; if new lines cannot be buried, marking all new overhead transmission lines with visual marking devices such as aviation marker balls, swinging plates, spiral vibration dampeners, or swan flight diverters.

#### **Fish and Wildlife Service Property Interests**

The Service administers Waterfowl Production Areas owned in fee title as well as wetland and grassland easements throughout North Dakota. A review of Service realty records indicate Service property interests (fee title land highlighted in green, wetland easements highlighted in yellow) are located in the planning area (enclosure 3). The Service has an ongoing easement acquisition program and we recommend that you contact Mr. Ed Meendering, Supervisory Wildlife Refuge Specialist, Valley City Wetland Management District, 11515 River Road, Valley City, North Dakota 58072-9619, (701-845-3466), for more specific information relative to Service easements and up-to-date realty records.

Following are some suggestions and explanations of the various land interests the Service is responsible for in the proposed project area.

Wetland easements (yellow) are legal agreements with private landowners that permanently protect wetland basins from being drained, burned, leveled, or filled.

The primary responsibility in protecting these easements is to review all proposed uses to ensure that the requests are compatible with Service easement regulations and various laws and policies. Therefore, these comments and suggestions are made in an attempt to accomplish three goals: 1) avoid impacts to Service wetland easements in the project area as much as possible; 2) if unavoidable, ensure that any proposed turbine and associated infrastructure impacts (roads, buried collection lines, transmission lines, sub-stations, etc.) on any Service easement areas are kept to a minimum; and 3) investigate potential alternatives to eliminate or reduce impacts to easement areas to protect the integrity of the easement.

With these goals in mind, the Service offers the following comments:

There are fee title lands and wetland easement tracts in the proposed project area. You will need to contact the WMD office for specific information.

- Wetland Easements: The Service manages a number of wetland easements in the proposed project area. The National Wetlands Inventory (NWI) identifies many of the area's wetlands; however, many of the small, shallow temporary wetland basins may not be recognized on NWI photography. You should make all reasonable efforts to avoid facility placement and disturbance to wetlands protected by easement. If your plans indicate a proposal to locate project facilities on Service wetland easements, the Service will review aerial photography along with field inspections to review construction stakes to make sure all wetland basins are avoided. In addition, it is important to make sure that access roads do not alter individual wetland basins and their individual watersheds.
- NEPA Review: If Service lands are proposed to be impacted, the Service will be required to conduct an analysis of impacts and examine alternatives, pursuant to NEPA.

### High Value Habitat Avoidance

The proposed project area is located in the Drift Prairie Glaciated Plains region of North Dakota and includes areas of native mixed-grass prairie. Since the 1800s, North Dakota has lost approximately 75-90 percent of its native grasslands, primarily due to crop production. The Service recommends avoiding construction or disturbance on native prairie areas.

Our review of NWI maps indicate that wetland areas are located within the project area. NWI data can be accessed directly by visiting their website at ([wetlands.fws.gov](http://wetlands.fws.gov)). Section 404 of the Clean Water Act regulates placement of fill materials in certain wetlands. A Corps of Engineers' 404 permit may be required if fill material will be placed in aquatic sites including wetlands. Contact Mr. Dan Cimarosti, Regulatory Office, Corps of Engineers, 1513 South 12th Street, Bismarck, North Dakota 58504 (701-255-0015), to determine their permit requirements. If a 404 permit is required, the Service will provide recommendations on this project to the Corps.

Other high-value wildlife habitat types in North Dakota include wooded draws and riparian forests. We recommend that you avoid construction in the above habitat types whenever possible.

Construction activities should be conducted in a manner that will minimize impacts to the wildlife and the existing habitat in the project area. Where impacts are unavoidable, we recommend that you:

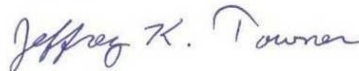
- Schedule construction for late summer or fall/early winter so as not to disrupt waterfowl or other wildlife during the breeding season (February 1 to July 15). If work is proposed to take place during the breeding season or at any other time which may result in the take of migratory birds or active nests, the Service recommends that the project proponent arrange to have a qualified biologist conduct a field survey of the affected habitats to determine the absence or presence of nesting migratory birds. If nesting migratory birds are found, we request you contact this office, suspend construction, or take other

measures, such as maintaining adequate buffers, to protect the birds until the young have fledged. The Service further recommends that field surveys for nesting birds, along with information regarding the qualification of the biologist(s) performing the surveys, and any avoidance measures implemented at the project site, be thoroughly documented and that such documentation be shared with the Service and maintained on file by the project proponent at least until such time as construction on the proposed project has been completed.

- Avoid construction in native prairie, if possible, and reseed disturbed native prairie with a comparable native grass/forb seed mixture. Obtain seed stock from nurseries within 250 miles of the project area to insure the particular cultivars are well adapted to the local climate.
- Locate poles and other construction to avoid placement of fill in wetlands along the route.
- Install and maintain appropriate erosion control measures to reduce sedimentation and water quality degradation of wetlands and streams near the project area.
- Replace unavoidable wetland losses with functionally equivalent wetlands.

Given the Service requirements and recommendations above, as well as possible unforeseen issues that may arise, we encourage you to build sufficient planning time for coordination with the Service into your project timeline. Thank you for the opportunity to comment. If you require further information as project planning proceeds, please contact Terry Ellsworth of my staff, or contact me directly, at (701) 250-4481, or at the letterhead address.

Sincerely,



Jeffrey K. Towner  
Field Supervisor  
North Dakota Field Office

Enclosures (3)

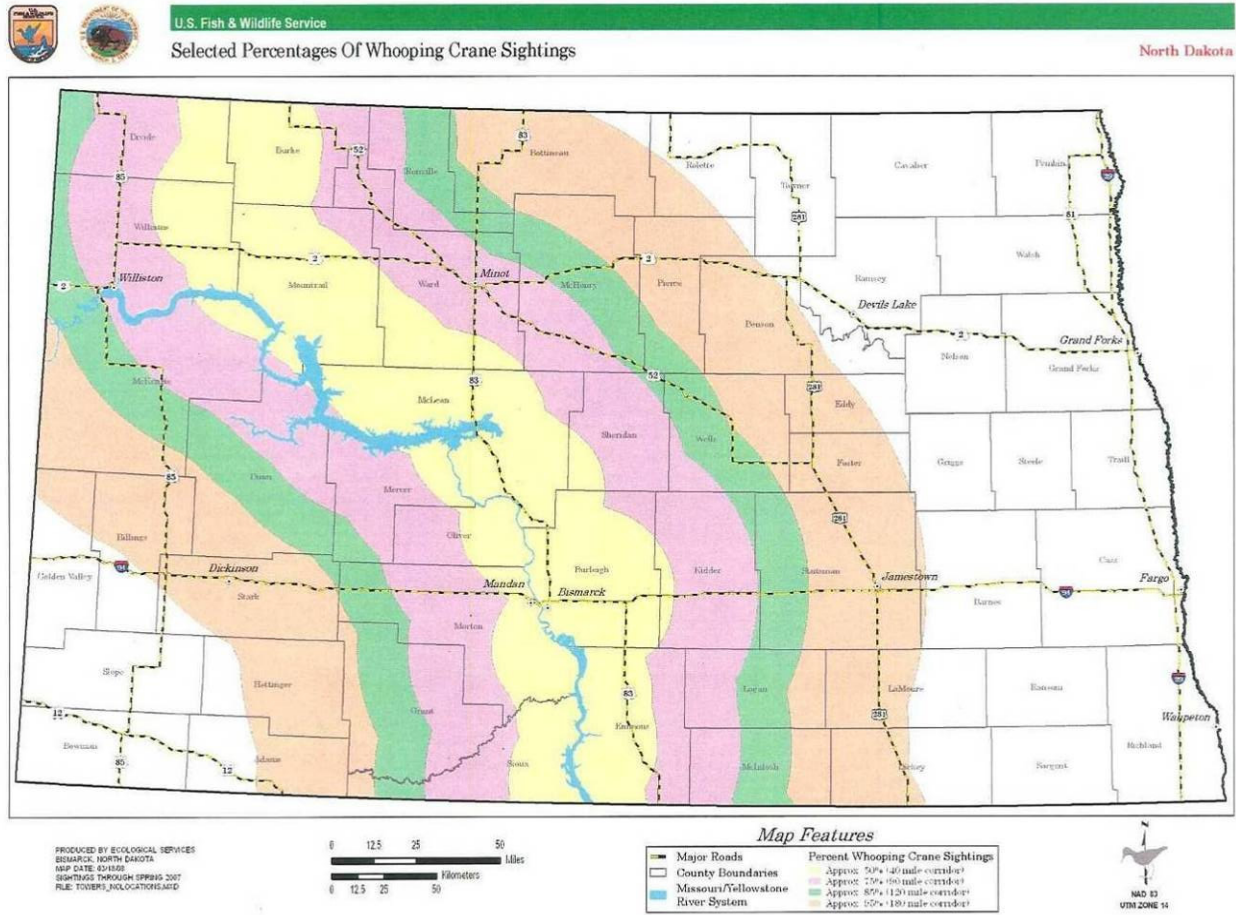
cc: Supervisory Wildlife Refuge Specialist, Valley City WMD  
Regulatory Office, Army Corps of Engineers, Bismarck  
(Attn: D. Cimarosti)  
ND Public Service Commission, Bismarck  
Director, ND Game & Fish Department, Bismarck  
(Attn: M. McKenna)

FEDERAL ENDANGERED SPECIES  
FOUND IN  
BARNES AND STEELE COUNTIES, NORTH DAKOTA

**ENDANGERED SPECIES**

Birds

Whooping crane (*Grus Americana*): Migrates through west and central counties during spring and fall. Prefers to roost on wetlands and stockdams with good visibility. Young adult summered in North Dakota in 1989, 1990, and 1993. Total population 140-150 birds.





John Hoeven, Governor  
Douglass A. Prchal, Director  
1600 East Century Avenue, Suite 3  
Bismarck, ND 58503-0649  
Phone 701-328-5357  
Fax 701-328-5363  
E-mail [parkrec@nd.gov](mailto:parkrec@nd.gov)  
[www.parkrec.nd.gov](http://www.parkrec.nd.gov)

March 26, 2008

Allen Wynn  
HDR Engineering, Inc.  
4401 West Gate Blvd, Suite 400  
Austin, TX 78745

Re: High-Voltage Transmission Line Facility from Luverne Wind Farm in Griggs and Steele Counties to a Proposed Substation Northwest of Pillsbury in Barnes County

Dear Mr. Wynn:

The North Dakota Parks and Recreation Department (NDPRD) has reviewed the above referenced project proposal submitted by M-Power, LLC to construct approximately 13 miles of high-voltage transmission line to transport power from the proposed Luverne Wind Farm located in Griggs and Steele Counties to a proposed substation located northwest of Pillsbury in Barnes County.

Our agency scope of authority and expertise covers recreation and biological resources (in particular rare species and ecological communities). The project as defined does not affect state park lands that we manage or Land and Water Conservation Fund recreation projects that we coordinate.

The North Dakota Natural Heritage biological conservation database has been reviewed to determine if any plant or animal species of concern or other significant ecological communities are known to occur within an approximate one-mile radius of the project area. Based on this review, we do have records for the occurrence of *Pascopyrum smithii* – *Stipa comata prairie* (Central mixed grass prairie) in a section adjacent to the project area indicating that the habitat in the project area may be suited for this community or other rare, threatened, sensitive or endangered species. Please see the attached spreadsheet and map for more information on these occurrences. We defer further comments regarding animal species to the North Dakota Game and Fish Department and the United States Fish and Wildlife Service.

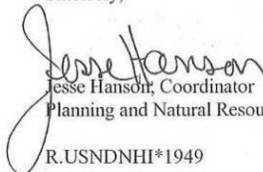
Because this information is not based on a comprehensive inventory, there may be species of concern or otherwise significant ecological communities in the area that are not represented in the database. The lack of data for any project area cannot be construed to mean that no significant features are present. The absence of data may indicate that the project area has not been surveyed, rather than confirm that the area lacks natural heritage resources.

Regarding any reclamation efforts, we recommend that any impacted areas be revegetated with species native to the project area.

It is our policy to charge out-of-state requests for data services including data retrieval, data analysis, manual and computer searches, packaging and collection of data. An invoice for services provided has been enclosed.

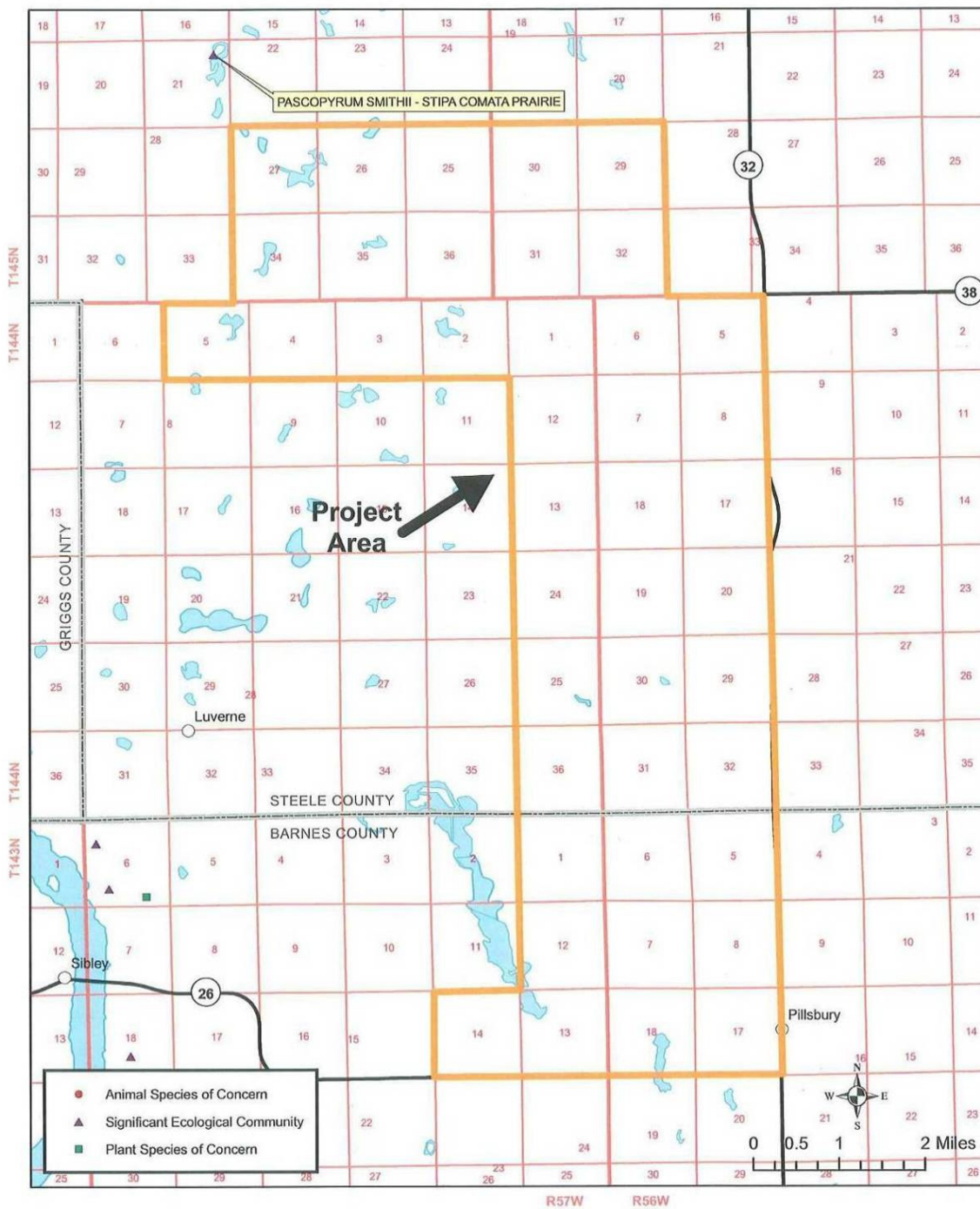
Thank you for the opportunity to comment on this project. Please contact Kathy Duttonhefner (701-328-5370 or [kgduttonhefner@nd.gov](mailto:kgduttonhefner@nd.gov)) of our staff if additional information is needed.

Sincerely,

  
Jesse Hanson, Coordinator  
Planning and Natural Resources Division  
R.USNDNHI\*1949

.....  
*Play in our backyard!*

## North Dakota Natural Heritage Inventory Species of Concern and Significant Ecological Communities



North Dakota Parks & Recreation Department  
North Dakota Natural Heritage Inventory  
March 2008

North Dakota Natural Heritage Inventory  
 Species of Concern and Significant Ecological Communities

State Scientific Name	State Common Name	Township & Range	Section	TRS Notes	State Rank	Global Rank	Federal Status	Last Observation
PASCOPYRUM SMITHII - STIPA COMATA PRAIRIE	CENTRAL MIXED GRASS PRAIRIE	145N057W	21	NE4 E2	S2			1995-08-29

**North Dakota Natural Heritage Inventory Biological and Conservation Data Disclaimer**

The quantity and quality of data collected by the North Dakota Natural Heritage Inventory are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in North Dakota have never been thoroughly surveyed, and new species are still being discovered. For these reasons, the Natural Heritage Inventory cannot provide a definite statement on the presence, absence, or condition of biological elements in any part of North Dakota. Natural Heritage data summarize the existing information known at the time of the request. Our data are continually upgraded and information is continually being added to the database. This data should never be regarded as final statements on the elements or areas that are being considered, nor should they be substituted for on-site surveys.

3/26/2008



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, OMAHA DISTRICT  
NORTH DAKOTA REGULATORY OFFICE  
1513 SOUTH 12<sup>TH</sup> STREET  
BISMARCK ND 58504-6640

March 17, 2008

North Dakota Regulatory Office

[NWO-2008-00710-BIS]

HDR Engineering, Inc.  
Attn: Allen Wynn  
4401 West Gate Blvd, Suite 400  
Austin, Texas 78745

Dear Mr. Wynn:

This is in response to your letter received **March 10, 2008**, requesting Department of the Army (DA), US Army Corps of Engineers (Corps) comments on proposed construction of a high-voltage transmission line facility from the Luverne Wind Farm in Griggs and Steele Counties to a proposed substation located northwest of Pillsbury in Barnes County.

Corps regulatory offices administer Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Section 10 of the Rivers and Harbors Act regulates work in or affecting navigable waters. Section 404 of the Clean Water Act regulates the discharge of dredge or fill material (temporarily or permanently) in waters of the United States. Waters of the United States may include, but are not limited to, rivers, streams, ditches, coulees, lakes, ponds, and their adjacent wetlands. Fill material include, but is not limited to, rock, sand, soil, clay, plastics, construction debris, wood chips, overburden from mines or other excavation activities and materials used to create any structure or infrastructure in the waters of the United States.

If this project would require a Section 10 and/or Section 404 permit, please complete and submit the enclosed Corps of Engineers permit application to the U. S. Army Corps of Engineers, North Dakota Regulatory Office, 1513 South 12<sup>th</sup> Street, Bismarck, North Dakota 58504. If you are unsure if a permit is required, you may submit an application, or, a letter requesting a jurisdictional determination. Include a project location map, description of work, and construction methodology when submitting either.

If we can be of further assistance or should you have any questions regarding our program, please do not hesitate to contact this office by letter or phone at (701) 255-0015 and reference project number **NWO-2008-00710-BIS**.

Sincerely,

Daniel E. Cimarosti  
Regulatory Program Manager  
North Dakota

Enclosure



**Instructions for Preparing a  
Department of the Army Permit Application**

**Blocks 1 through 4.** To be completed by Corps of Engineers.

**Block 5. Applicant's Name.** Enter the name of the responsible party or parties. If the responsible party is an agency, company, corporation or other organization, indicate the responsible officer and title. If more than one party is associated with the application, please attach a sheet with the necessary information marked **Block 5**.

**Block 6. Address of Applicant.** Please provide the full address of the party or parties responsible for the application. If more space is needed, attach an extra sheet of paper marked Block 6.

**Block 7. Applicant Telephone Number(s).** Please provide the number where you can usually be reached during normal business hours.

**Blocks 8 through 11.** To be completed if you choose to have an agent.

**Block 8. Authorized Agent's Name and Title.** Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer or any other person or organization. Note: An agent is not required.

**Blocks 9 and 10. Agent's Address and Telephone Number.** Please provide the complete mailing address of the agent, along with the telephone number where he/she can be reached during normal business hours.

**Block 11. Statement of Authorization.** To be completed by applicant if an agent is to be employed.

**Block 12. Proposed Project Name or Title.** Please provide name identifying the proposed project (i.e., Landmark Plaza, Burned Hills Subdivision or Edsall Commercial Center).

**Block 13. Name of Waterbody.** Please provide the name of any stream, lake, marsh or other waterway to be directly impacted by the activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

**Block 14. Proposed Project Street Address.** If the proposed project is located at a site having a street address (not a box number), please enter here.

**Block 15. Location of Proposed Project.** Enter the county and state where the proposed project is located. If more space is required, please attach a sheet with the necessary information marked Block 15.

**Block 16. Other Location Descriptions.** If available, provide the Section, Township and Range of the site and/or the latitude and longitude. You may also provide description of the proposed project location, such as lot numbers, tract numbers or you may choose to locate the proposed project site from a known point (such as the right descending bank of Smith Creek, one mile down from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed project site if known.

**Block 17. Directions to the Site.** Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site.

**Block 18. Nature of Activity.** Describe the overall activity or project. Give appropriate dimensions of structures such as wingwalls, dikes (identify the materials to be used in construction, as well as the methods by which the work is to be done), or excavations (length, width, and height). Indicate whether discharge of dredged or fill material is involved. Also, identify any structure to be constructed on a fill, piles or float supported platforms.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 18.

**Block 19. Proposed Project Purpose.** Describe the purpose and need for the proposed project. What will it be used for and why? Also include a brief description of any related activities to be developed as the result of the proposed project. Give the approximate dates you plan to both begin and complete all work.

**Block 20. Reason(s) for Discharge.** If the activity involves the discharge of dredged and/or fill material into a wetland or other waterbody, including the temporary placement of material, explain the specific purpose of the placement of the material (such as erosion control).

**Block 21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards.** Describe the material to be discharged and amount of each material to be discharged within Corps jurisdiction. Please be sure this description will agree with your illustrations. Discharge material includes: rock, sand, clay, concrete, etc.

**Block 22. Surface Areas of Wetlands or Other Waters Filled.** Describe the area to be filled at each location. Specifically identify the surface areas, or part thereof, to be filled. Also include the means by which the discharge is to be done (backhoe, dragline, etc.). If dredged material is to be discharged on an upland site, identify the site and the steps to be taken (if necessary) to prevent runoff from the dredged material back into a waterbody. If more space is needed, attach an extra sheet of paper marked **Block 22**.

**Block 23. Is Any Portion of the Work Already Complete?** Provide any background on any part of the proposed project already completed. Describe the area already developed, structures completed, any dredged or fill material already discharged, the type of material, volume in cubic yards, acres filled, if a wetland or other waterbody (in acres or square wet). if tile work was done under an existing Corps permit, identify the authorization if possible.

**Block 24. Names and Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Project Site.** List complete names and full mailing addresses of the adjacent property owners (public and private) lessees, etc., whose property adjoins the waterbody or aquatic site where the work is being proposed so that they may be notified of the proposed activity (usually by public notice). If more space is needed, attach an extra sheet of paper marked Block 24.

**Information regarding adjacent landowners is usually available through the office of the tax assessor in the county of counties where the project is to be developed.**

**Block 25. Information about Approvals or Denials by Other Agencies.** You may need the approval of other Federal, state or local agencies for your project. identify any applications you have submitted and the status, if any (approved or denied) of each application. You need not have obtained all other permits before applying for a Corps permit.

**Block 26. Signature of Applicant or Agent.** The application must be signed by the owner or other authorized party (agent) . This signature shall be an affirmation that the party applying for the permit possesses the requisite property rights to undertake the activity applied for (including compliance with special conditions, mitigation, etc.).

#### DRAWINGS AND ILLUSTRATIONS

General Information.

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a **Vicinity Map**, a **Plan View** or a **Typical Cross-Section Map**. Identify each illustration with a figure or attachment number.

Please submit one original, or good quality copy, of all drawings on 8 1/2x11 inch plain white paper (tracing paper or film may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations.

Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view or cross-section). **While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate and contain all necessary information.**

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT (33 CFR 325)			OMB APPROVAL NO. 0710-0003 Expires December 31, 2004
<p>The Public burden for this collection of information is estimated to average 10 hours per response, although the majority of applications should require 5 hours or less. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003), Washington, DC 20503. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.</p>			
PRIVACY ACT STATEMENT			
<p>Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research and Sanctuaries Act, 33 USC 1413, Section 103. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued.</p> <p>One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.</p>			
(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)			
1. APPLICATION NO. NWO-2008-00710-BIS	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETED
(ITEMS BELOW TO BE FILLED BY APPLICANT)			
5. APPLICANT'S NAME		8. AUTHORIZED AGENT'S NAME AND TITLE <i>(an agent is not required)</i>	
6. APPLICANT'S ADDRESS		7. AGENT'S ADDRESS	
7. APPLICANT'S PHONE NOS. W/AREA CODE		10. AGENT'S PHONE NOS. W/AREA CODE	
a. Residence		a. Residence	
b. Business		b. Business	
11. STATEMENT OF AUTHORIZATION			
I hereby authorize _____ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.			
_____ APPLICANT'S SIGNATURE		_____ DATE	
NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY			
12. PROJECT NAME OR TITLE <i>(see instructions)</i>			
13. NAME OF WATERBODY, IF KNOWN <i>(if applicable)</i>		14. PROJECT STREET ADDRESS <i>(if applicable)</i>	
15. LOCATION OF PROJECT			
_____ COUNTY _____ STATE			
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN <i>(see instructions)</i>			
17. DIRECTIONS TO THE SITE			

18. Nature of Activity <i>(Description of project, include all features)</i>												
19. Project Purpose <i>(Describe the reason or purpose of the project, see instructions)</i>												
USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED												
20. Reason(s) for Discharge												
21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards												
22. Surface Area in Acres of Wetlands or Other Waters Filled <i>(see instructions)</i>												
23. Is Any Portion of the Work Already Complete? Yes _____ No _____ IF YES, DESCRIBE THE COMPLETED WORK												
24. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).												
25. List of Other Certifications or Approvals/Denials Received from other Federal, State, or Local Agencies for Work Described in This Application												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">AGENCY</th> <th style="width: 15%;">TYPE APPROVAL*</th> <th style="width: 15%;">IDENTIFICATION NUMBER</th> <th style="width: 15%;">DATE APPLIED</th> <th style="width: 15%;">DATE APPROVED</th> <th style="width: 15%;">DATE DENIED</th> </tr> </thead> <tbody> <tr> <td style="height: 40px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED						
AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED							
*Would include but is not restricted to zoning, building and flood plain permits												
26. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.												
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border-top: 1px solid black; text-align: center;">SIGNATURE OF APPLICANT</td> <td style="width: 15%; border-top: 1px solid black; text-align: center;">DATE</td> <td style="width: 30%; border-top: 1px solid black; text-align: center;">SIGNATURE OF AGENT</td> <td style="width: 15%; border-top: 1px solid black; text-align: center;">DATE</td> </tr> </table>	SIGNATURE OF APPLICANT	DATE	SIGNATURE OF AGENT	DATE								
SIGNATURE OF APPLICANT	DATE	SIGNATURE OF AGENT	DATE									
<p>The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.</p> <p>18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.</p>												

# United States Department of the Interior



## FISH AND WILDLIFE SERVICE Mountain-Prairie Region

VALLEY CITY WMD  
11515 River Road  
Valley City, ND 58072-9619  
March 31, 2008



Mr. Allen Wynn  
HDR Engineering, Inc.  
1421 Wells Branch Parkway, Suite 104  
Pflugerville, Texas 78660

Steele Easement #58X,1, 35X, 22X-1

Dear Mr. Wynn:

You requested that the U. S. Fish and Wildlife Service (Service) provide you with maps for protected wetlands located in section 31, NE1/4, of T. 144 N., R. 56 W., section 35, SW1/4, section 35, NW1/4, of T. 145 N., R. 57 W., Steele County, North Dakota.

The Service has purchased and owns perpetual rights which restrict or prohibit the right to drain, burn, level, and fill any wetland basin on the ownership represented by this map. This map represents the Service's effort to depict the approximate location of all protected wetland basins based on information and maps available at the time this map was prepared. However, because climatological and other natural conditions may cause the shape and location of wetland basins to change over time and from time to time, this map may or may not show wetlands as they appear in any given year.

The water levels of these wetlands naturally increase and decrease depending on the natural water cycle. The Service has procedures which allow landowners to remove sheet water or water from wetlands that are affecting roads and buildings. If issues arise concerning individual wetland basins represented on the maps, each will be looked at on a case by case basis. It is the landowner's responsibility to contact the Service if there are any questions concerning the draining, burning, filling, and/or leveling of wetlands depicted on the easement wetland maps.

In Summary there are four points to remember about the wetland easement maps:


1. The maps do not and are not intended to provide the exact size or configuration of the wetlands protected by the provisions of the easement.
2. Any burning, draining, filling, or leveling of wetlands depicted on the wetland easement map without a permit issued by the Service is a violation of the provisions of the easement.
3. It is the landowner's responsibility to contact the Service if there are any questions concerning mapped wetlands.

If you have any questions about the maps or easement contracts, please contact this office 701-845-3466.

Att: Maps (3) 58X,1, 35X, 22X-1

cc: WMD easement folder

Sincerely,

  
Ed Meendering  
Refuge Officer

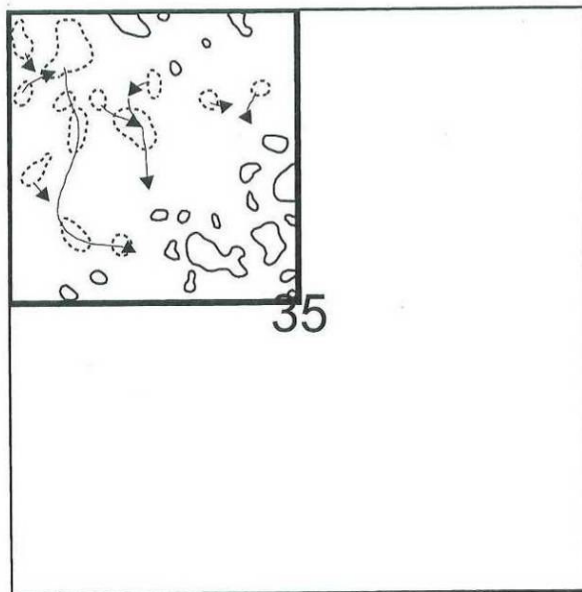
UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE

Tract: 22x-1

Map 5 of 5

WATERFOWL PRODUCTION AREA STEELE COUNTY, STATE OF NORTH DAKOTA EASEMENT  
AUTHORIZED BY MIGRATORY BIRD HUNTING STAMP ACT OF MARCH 16, 1934, AS AMENDED.  
T. 145N., R. 57W., 5th PRINCIPAL MERIDIAN

SECTION 35 NW1/4



1 inch equals 0.25 miles






The U.S. Fish and Wildlife Service (Service) has purchased and owns perpetual rights which restrict or prohibit the right to drain, burn, level, and fill any wetland basins depicted on this map. This map represents the Service's effort to depict the approximate location, size and shape of all protected wetlands based on information and maps available at the time this map was prepared. However, wetlands are hydrologically dynamic systems, with expanding and contracting water levels. This map is not meant to depict water levels in the wetland in any given year. The Service reserves the right to revise this map, provided the mapped acreage remains consistent with the Easement's Summary Acres.

Prepared by: Matt Valley

Approved by: Ed Mendenhall

Date: 2-14-07

LEGEND

-  Section Boundary
-  Boundary of Easement Description
-  Wetlands Covered by Provisions of the Easement
-  Wetlands Deleted from the Easement
-  Approved Drainage Facility

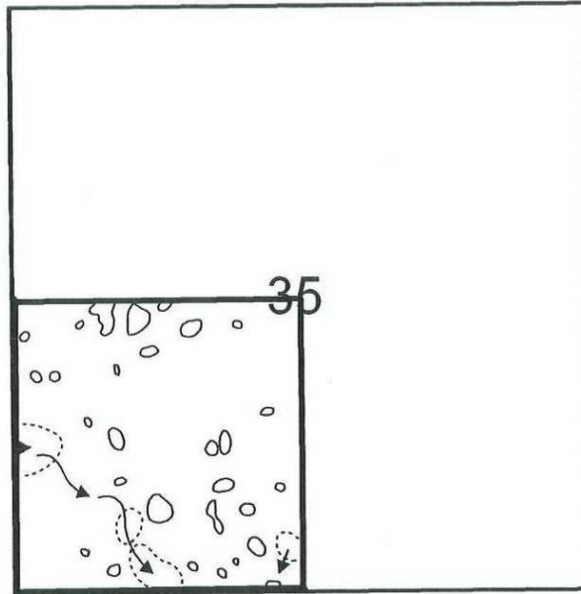
UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE

Tract: 35X

Map 3 of 3

WATERFOWL PRODUCTION AREA STEELE COUNTY, STATE OF NORTH DAKOTA EASEMENT  
AUTHORIZED BY MIGRATORY BIRD HUNTING STAMP ACT OF MARCH 16, 1934, AS AMENDED.  
T. 145 N., R. 57 W., 5th PRINCIPAL MERIDIAN

SECTION 35, SW 1/4



1 inch equals 0.25 miles






The U.S. Fish and Wildlife Service (Service) has purchased and owns perpetual rights which restrict or prohibit the right to drain, burn, level, and fill any wetland basins depicted on this map. This map represents the Service's effort to depict the approximate location, size and shape of all protected wetlands based on information and maps available at the time this map was prepared. However, wetlands are hydrologically dynamic systems, with expanding and contracting water levels. This map is not meant to depict water levels in the wetland in any given year. The Service reserves the right to revise this map, provided the mapped acreage remains consistent with the Easement's Summary Acres.

Prepared by: Matt Valley

Approved by: [Signature]

Date: 3-28-08

LEGEND

-  Section Boundary
-  Boundary of Easement Description
-  Wetlands Covered by Provisions of the Easement
-  Wetlands Deleted from the Easement
-  Approved Drainage Facility

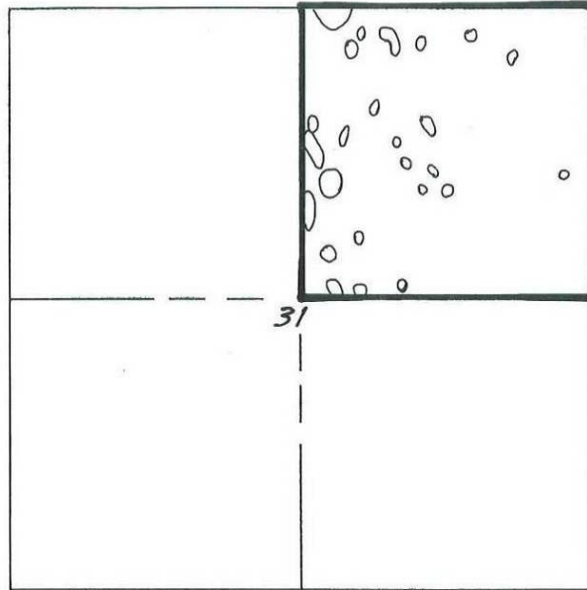
UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE

TRACT 58X,1

MAP 1 of 2

WATERFOWL PRODUCTION AREA STEELE COUNTY, STATE OF NORTH DAKOTA  
EASEMENT AUTHORIZED BY MIGRATORY BIRD HUNTING STAMP ACT OF MARCH 16, 1934, AS AMENDED.  
T. 144 N., R. 56 W., 5TH PRINCIPAL MERIDIAN

Section: 31, NE1/4



Scale: 4 Inches = 1 Mile

The U.S. Fish and Wildlife Service (Service) has purchased and owns perpetual rights which restrict or prohibit the right to drain, burn, level, and fill any wetland on the ownership represented by this map. This map represents the Service's effort to depict the approximate location of all protected wetlands based on information and maps available at the time this map was prepared. However, wetlands are hydro logically dynamic systems, with regularly expanding and contracting water levels. This map is not meant to depict water levels in the wetland in any given year. The Service reserves the right to correct this map provided the mapped acreage remains consistent with the Easement's Summary Acres.

LEGEND

- |  |  |
|--|--|
|  Boundary of Easement Description               |  Wetland deleted from easement by Drainage Facility Map prepared when the easement was purchased. |
|  Wetlands covered by provisions of the easement |  |

Prepared by: /S/ Benjamin J. Cleghorn Date: 8 August 2006

Approved by: /S/ Ed Meendering Date: 8 August 2006

Revised: 4/5/2004



March 17, 2008

Allen Wynn  
Assistant Project Manager  
HDR Engineering, Inc.  
4401 West Gate Blvd, Suite 400  
Austin, TX 78745

RE: Proposed construction of a high-voltage transmission line facility from the Laverne Wind Farm, Griggs & Steel Counties, North Dakota to the proposed substation located northwest of Pillsbury in Barnes County, ND.

Dear Mr. Wynn:

This office supports the development of the above referenced transmission line supporting area wind energy projects.

While no permits are required from our office, we would defer you to the North Dakota Game & Fish Department, the ND Parks & Recreation Department, the State Historical Society of North Dakota, and the North Dakota Health Department for their input on any environmental concerns or issues within the boundaries of the proposed project. According to your letter it appears you have already initiated this process.

The North Dakota Public Service Commission is the authority which issues permits for locating power plant and transmission lines within the state.

With regards to land use, approvals are granted by the local land use/zoning authorities.

Sincerely,

James R. Boyd  
Acting Energy Program Manager  
ND Division of Community Services

*"We lead North Dakota's efforts to attract, retain and expand wealth."*

1600 E. Century Avenue, Suite 2 • P.O. Box 2057 • Bismarck, ND 58502-2057  
Phone: 701-328-5300 • 1-866-4DAKOTA • Fax: 701-328-5320 • [www.ndcommerce.com](http://www.ndcommerce.com)



John Hoeven, Governor • Maren L. Daley, Executive Director

PO Box 5507 • Bismarck, ND 58506-5507

2008 MAR 20 PM 4: 14

March 14, 2008

Mr. Allen Wynn  
Assistant Project Manager  
HDR Engineering, Inc.  
4401 West Gate Blvd., Suite 400  
Austin, Texas 78745

RE: Luverne Wind Farm in Griggs and Steele Counties to a Proposed  
Substation Northwest of Pillsbury in Barnes County, North Dakota

Dear Mr. Wynn:

Job Service North Dakota administers the employment service and unemployment insurance programs.

We have no comments regarding the proposed project and have no applicable permits that are required from Job Service North Dakota.

Sincerely,

A handwritten signature in cursive script that reads "Maren Daley".

Maren Daley  
Executive Director

701.328.2825 (Voice) • 800.366.6888 (TTY Users - Relay ND) • 701.328.4000 (FAX)

Job Service North Dakota is an equal opportunity employer/program provider.  
Auxiliary aids and services are available upon request to individuals with disabilities.



"VARIETY IN HUNTING AND FISHING"

**NORTH DAKOTA GAME AND FISH DEPARTMENT**

100 NORTH BISMARCK EXPRESSWAY BISMARCK, NORTH DAKOTA 58501-5095 PHONE 701-328-6300 FAX 701-328-6352

March 14, 2008

Allen Wynn  
Assistant Project Manager  
HDR Engineering, Inc.  
4401 West Gate Blvd, Suite 400  
Austin, TX 78745

Dear Mr. Wynn:

RE: Proposed High-Voltage Transmission Line  
Luverne Wind Farm to Proposed Pillsbury Substation, North Dakota

The North Dakota Game and Fish Department has reviewed this project for wildlife concerns.

The National Wetland Inventory indicates various wetlands within the proposed project corridor. We recommend that steps be taken to protect wetlands that cannot be avoided, above-ground appurtenances not be placed in wetland areas, and existing drainage patterns be maintained.

We also suggest that the risk of avian collisions be assessed for this project and line markers implemented as appropriate.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael G. McKenna".

Michael G. McKenna  
Chief  
Conservation & Communication Division

js

**From:** Rex Honeyman [rhoneyman@nd.gov]  
**Sent:** Thursday, April 17, 2008 12:53 PM  
**To:** Wynn, Allen E.  
**Subject:** Re: M-Power Transmission Line-irrigation facilities

**Attachments:** Irrigation\_Permits\_04\_17\_08.png

Mr. Wynn,

There are no irrigation permits within the same sections as the proposed transmission line. The nearest is a permit out of Goose Lake in the SW1/4 Section 2, Township 143 North, Range 57 West. The enclosed map shows all the irrigation permits in the area. If you have any other questions let me know.

Rex

On 4/17/08 11:36 AM, "Wynn, Allen E." <Allen.Wynn@hdrinc.com> wrote:

Rex:

Attached is a route map for the proposed 13-mile transmission line. Could you please provide a list of irrigation facilities in the area?

Thanks for your help and please call if you have questions,

**Allen E. Wynn**

Environmental Sciences Group Leader

**HDR Engineering, Inc.**

**ONE COMPANY | *Many Solutions***

1421 Wells Branch Parkway, Suite 104 | Pflugerville, Texas 78660

Phone: 512.685.2914 | Cell: 512.845.6774 | Fax: 512.225.1400

Email: [awynn@hdrinc.com](mailto:awynn@hdrinc.com)

## **APPENDIX G**

### **Existing Environment Photos**



