

LINDAHL SOV LIST

Type	CTitle	First	Last	Title	Department	Agency	Address	City	State	Zip	Response Rec'd
FEDERAL	Mr. Greg	Wiche	Director	Water Resources Division	US Geological Survey	821 E. Interstate Ave.	Bismarck	ND	58501		
FEDERAL	Mr. Eric	Schmit, P.E.	Chief Missile Engineering	91st Missile Maintenance Squadron	Minot Air Force Base	320 Peacemaker Place	Minot AFB	ND	58705	01/07/15	
FEDERAL	Mr. Cy	Munos	Cable Affairs Office	50ES/CENPL	Minot Air Force Base	300 Minuteman Drive	Minot AFB	ND	58705		
FEDERAL	Mr. Frederick	Peck	Community Planner		Minot Air Force Base	445 Peacemaker Place	Minot AFB	ND	58705-0006		
FEDERAL	Mr. Kevin	Shelley	Acting Field Supervisor	North Dakota Field Office	US Fish & Wildlife Service	3425 Miriam Ave	Bismarck	ND	58501		
FEDERAL	Mr. Dave	Gillund	Manager	Crosby Wetland Management District	US Fish & Wildlife Service	10100 Hwy 42 NW	Crosby	ND	58730		
FEDERAL	Mr. Dan	Cimarosi	Manager	ND Regulatory Office	US Army Corps of Engineers	1513 S. 12th St.	Bismarck	ND	58504	11/26/14	
FEDERAL	Ms. Laurie	Suttmeier	Manager	Bismarck Airports District Office	Federal Aviation Administration	2301 University Drive, Bldg 23B	Bismarck	ND	58504	12/04/14	
FEDERAL	Ms. Mary	Giltner	Deputy Base Civil Engineer	Office of Economic Analysis	Federal Railroad Administration	1200 New Jersey Avenue SE	Washington	DC	20580		
FEDERAL	Ms. Mary	Podol	State Conservationist	319 CES/CEVA	US Department of Agriculture - NRCS	525 Tuskegee Airman Rd.	Grand Forks AFB	ND	58502-1458	12/11/14	
FEDERAL	Mr. Gerald	Paulson	Director, Transmission Lines and Substations	Western Area Power Admin.	US Department of Energy	PO Box 1173	Bismarck	ND	58502-1173		
FEDERAL	Mr. Heidi	Heikamp	Executive Director		US Federal Building, Room 228	220 E. Rosser Ave.	Bismarck	ND	58501		
FEDERAL	Senator John	Hoeven			US Federal Building, Room 312	220 E. Rosser Ave.	Bismarck	ND	58501		
FEDERAL	Congressman Kevin	Cramer			US Federal Building, Room 328	220 E. Rosser Ave.	Bismarck	ND	58501		
STATE	Mr. Scott	Davis	Executive Director		Indian Affairs Commission	600 E. Blvd. Ave.	Bismarck	ND	58505-0300		
STATE					1st Floor, Judicial Wing, Rm 117						
STATE					ND Department of Agriculture	600 E Boulevard Ave Dept 602	Bismarck	ND	58505-0020		
STATE					ND Department of Human Services	600 E Boulevard Ave Dept 325	Bismarck	ND	58505-0250		
STATE					ND Department of Labor	600 E Boulevard Ave Dept 406	Bismarck	ND	58505-0340		
STATE					Department of Vocational Education	600 E Boulevard Ave Dept 270	Bismarck	ND	58505-0610		
STATE					Economic Development and Finance Commission	PO Box 2057	Bismarck	ND	58502-2057	11/24/14	
STATE	Mr. Gerry	Fisher	Assistant Director	Energy Development Impact Office	ND State Land Department	PO Box 5507	Bismarck	ND	58506-5507		
STATE					Job Services ND	1707 North 9th Street	Bismarck	ND	58506-5523	12/18/14	
STATE	Mr. Kyle	Wanner	Aviation Planner		ND Department of Trust Lands	PO Box 5020	Bismarck	ND	58502-5020	12/18/14	
STATE	Mr. Wayne	Stenajem	Attorney General		ND Aeronautics Commission	600 E. Blvd Ave. Dept 125.	Bismarck	ND	58505		
STATE	Mr. L. David	Gleit	Chief	Environmental Health Section	ND Department of Health	918 E. Divide Ave., 4th floor	Bismarck	ND	58501-1947	12/12/14	
STATE	Mr. Steve	Dike	Supervisor	Gold Seal Center	ND Game & Fish Department	100 Bismarck Expressway	Bismarck	ND	58501-5095	12/22/14	
STATE	Governor Jack	Dalymp	Governor	Conservation Section	Office of the Governor	600 E. Blvd Ave.	Bismarck	ND	58505-0100		
STATE	Mr. Walter	Peterson	District Engineer	Williston District	ND Department of Transportation	PO Box 698	Williston	ND	58801-0698		
STATE	Mr. Merlan	Paaverud, Jr.	Director		ND State Historical Society	612 E Blvd Ave.	Bismarck	ND	58505	11/24/14	
STATE	Mr. Mark	Zimmernan	Director		ND Parks & Recreation Dept.	1600 E. Century Ave., Suite 3	Bismarck	ND	58503-0649	12/11/14	
STATE	Mr. Scott	Hochhalter	State Soil Specialist	NDSU Extension Service	Soil Conservation Committee	2718 Gateway Ave., #104	Bismarck	ND	58503		
STATE	Mr. Todd	Sando	State Engineer		ND State Water Commission	900 E. Blvd. Ave.	Bismarck	ND	58505-0850	12/12/14	
STATE					ND Industrial Commission	600 E. Blvd. Ave.	Bismarck	ND	58505-0840		
STATE					ND Transmission Authority	600 E. Blvd. Ave. Dept 405	Bismarck	ND	58505-0840		
STATE	Mr. Mark	Johnson	Executive Director		ND Industrial Commission	1661 Capitol Way, PO Box 877	Bismarck	ND	58502-0877		
STATE	Mr. Lonnie	Hofler	Disaster Recovery Chief	Department of Homeland Security	ND Association of Counties	PO Box 5511	Bismarck	ND	58506		
STATE	Mr. Edward	Murphy	State Geologist		ND Department of Emergency Services	600 E. Blvd. Ave.	Bismarck	ND	58505-0840		
STATE	Mr. Scott	Hochhalter	State Soil Specialist		ND Geological Survey	2718 Gateway Ave., #104	Bismarck	ND	58503	12/05/14	
CITY	Ms. Julie	Lagos	Auditor/Administrator	City Hall	Soil Conservation Committee	PO Box 218	Tioga	ND	58852		
CITY	Mr. John	Grubb	Chairman	Planning & Zoning Commission	City of Tioga	PO Box 218	Tioga	ND	58852		
CITY	Mr. Chris	Norgaard	President	Municipal Airport Authority Board	City of Tioga	PO Box 218	Tioga	ND	58852	12/18 & 11/6/15	
COUNTY	Mr. Tate	Cymbaluk	Chair	Planning & Zoning Commission	Tioga Airport	PO Box 428	Tioga	ND	58852		
COUNTY	Mr. Mike	Stemore	Director	Development Services	Williams County	PO Box 2047	Williston	ND	58802-2047		
COUNTY	Ms. Beth	Innis	Auditor		Williams County	PO Box 2047	Williston	ND	58802-2047		
COUNTY	Mr. Barry	Ramberg	Williams County Commissioner		Williams County Courthouse	PO Box 2047	Williston	ND	58802-2047		
COUNTY	Mr. Wayne	Aberte	Williams County Commissioner		1003 Sioux St	PO Box 854	Tioga	ND	58852		
COUNTY	Mr. Martin	Hanson	Williams County Commissioner		7783 141st Ave NW		Zahl	ND	58801		
COUNTY	Mr. David	Montgomery	Williams County Commissioner		222 14th St E		Williston	ND	58801		
COUNTY	Mr. Dan	Kall	Williams County Commissioner	Emergency management	13925 51st St NW		Williston	ND	58801		
COUNTY	Mr. Dennis	Nelson	Superintendent		PO Box 2047		Williston	ND	58802-2047		
COUNTY	Mr. Scott	Busching	Sheriff		Williams County Courthouse		Williston	ND	58801		
COMI	Mr. Doug	Dixon	General Manager	Badlands Region	Williams County Highway Office	223 East Broadway, Suite 301	Williston	ND	58801		
COMI	Mr. Dale	Haugen	General Manager		Williams County Law Enforcement Center	121 8th Ave W	Williston	ND	58801		
COMI	Mr.				Montana-Dakota Utilities	PO Box 1346	Williston	ND	58802	12/22/14	
COMI	Mr.				Mountrail-Williams Electric		Williston	ND	58802		

LINDAHL SOV LIST

Type	CTitle	First	Last	Title	Department	Agency	Address	City	State	Zip	Response Rec'd
COMM				Manager		WBI Energy Transmission	2010 Montana Ave	Glendive	MT	59330-0131	
COMM	Mr.	Mike	Steffan	General Manager		Northwest Communications Coop	PO Box 38	Ray	ND	58849	
TRIBAL	Mr.	Elgin	Crows Breast	THPO		Mandan, Hidatsa & Arikara Nation	404 Frontage Road	New Town	ND	58763	
TRIBAL	Mr.	Bruce	Nadeau	THPO		Turtle Mountain Band of Chippewa	PO Box 900	Belcourt	ND	58316	



◇ November 21, 2014

«AddressBlock»

Re: Lindahl Wind Project, LLC  
TradeWind Energy Inc.  
Williams County, North Dakota

«GreetingLine»

On behalf of TradeWind Energy Inc., KLJ is preparing an application for requirements of the North Dakota Energy Conversion and Transmission Facility Siting Act for the North Dakota Public Service Commission. The application will include the development of the Lindahl Wind Project consisting of an approximate 150 megawatt (MW) wind farm in Williams County, North Dakota. ***Please refer to the enclosed Project Location Map.***

The wind farm would likely consist of approximately 90 wind turbines that would convert wind energy into approximately 150 MW of electric power. The electric power would be interconnected to the grid via one of several points but the specific location has yet to be determined.

Construction is anticipated to begin in the summer of 2016 with commercial operation by the end of 2016. No federal funding is anticipated.

To ensure that social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments on the proposed development of this project. We are particularly interested in any property that your department may own, or have an interest in, located within the project area. We would also appreciate being made aware of any proposed development your department may be contemplating in the area of the proposed project. Any information that might help us in our study would be appreciated.



It is requested that any comments or information be forwarded to our office on or before December 22, 2014. If you have any questions or need further information, please call me at (701) 355-8726. Thank you for your time and cooperation.

Sincerely,

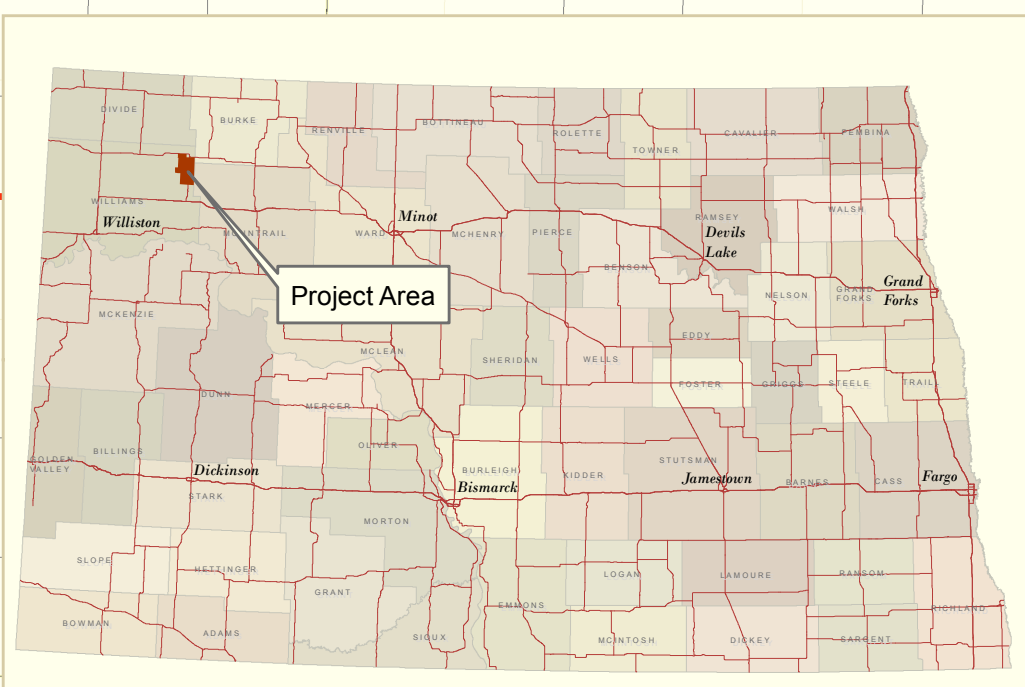
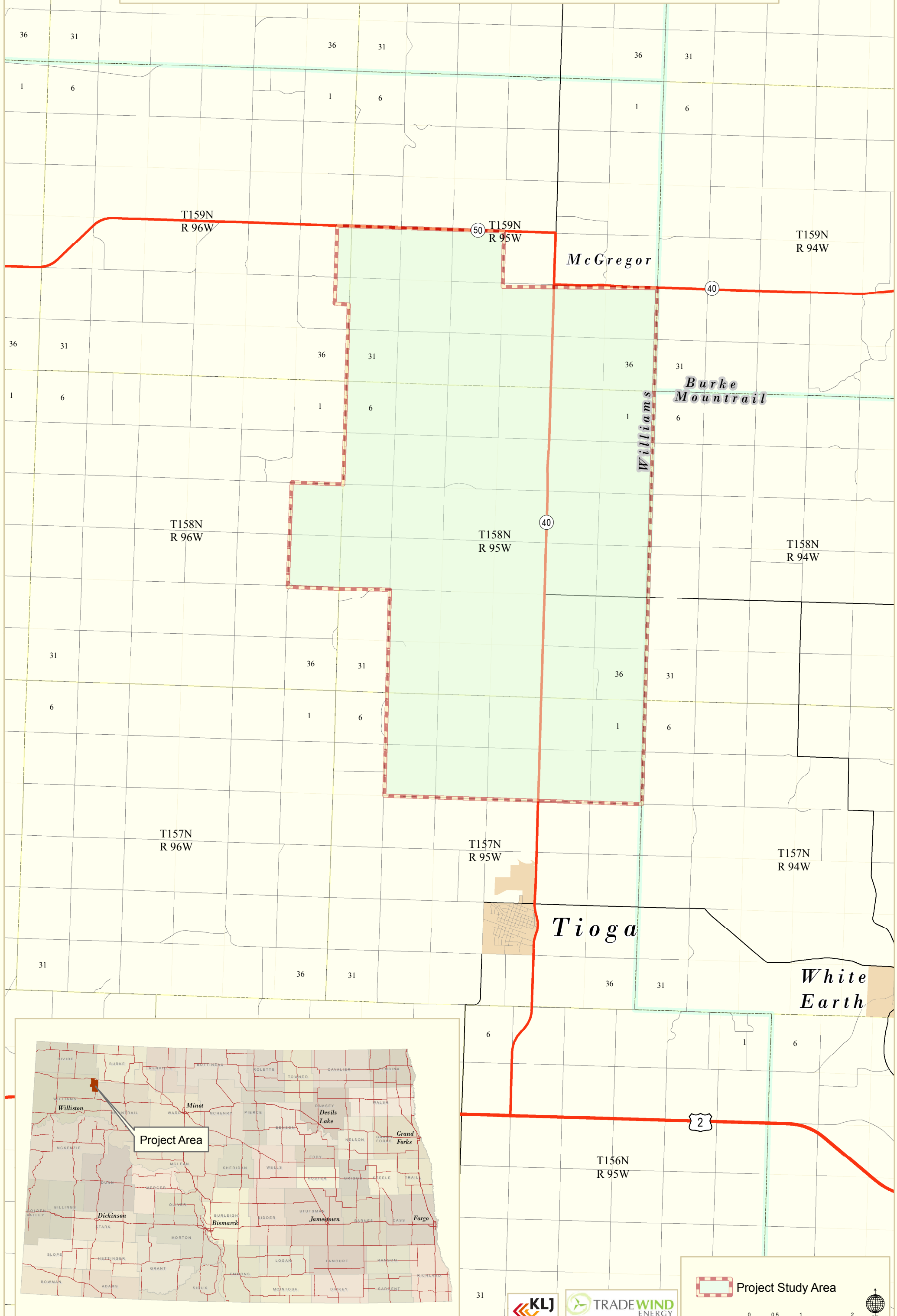
KLJ

A handwritten signature in blue ink that reads "Grady Wolf".

Grady Wolf  
Project Manager

Enclosure (Map)

# Lindahl Wind Farm Project Location



 Project Study Area



◇ February 2, 2015

Mr. Bruce Nadeau  
Tribal Historic Preservation Office  
Turtle Mountain Band of Chippewa  
P.O. Box 900  
Belcourt, ND 58316

Re: Lindahl Wind Project, LLC  
Tradewind Energy Inc.  
Williams County, North Dakota

Dear Mr. Nadeau:

On behalf of Tradewind Energy Inc., KLJ is preparing an application for requirements of the North Dakota Energy Conversion and Transmission Facility Siting Act for the North Dakota Public Service Commission. The application will include the development of the Lindahl Wind Project consisting of an approximate 150 megawatt (MW) wind farm in Williams County, North Dakota. Please refer to the enclosed *Project Location Map*.

The wind farm would consist of approximately 85 wind turbines, depending on the turbine model selected. The project would interconnect to the grid via the Lindahl Switching Station currently in operation within the project study area.

Construction is anticipated to begin in the summer of 2016 with commercial operation by the end of 2016.

No federal involvement (i.e., permits, funding, or review) is anticipated for this project; however, to ensure that social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments. Any information that might help us in our study would be appreciated.

It is requested that any comments or information be forwarded to our office on or before March 6, 2015. If you have any questions or need further information, please call me at (701) 355-8726. Thank you for your time and cooperation.

Sincerely,

KLJ

A handwritten signature in blue ink that reads "Grady Wolf".

Grady Wolf  
Project Manager

Enclosure(s): Project Location Map  
Project #: 1614490

◇ February 2, 2015

Mr. Elgin Crows Breast  
Tribal Historic Preservation Office  
Mandan, Hidatsa & Arikara Nation  
404 Frontage Road  
New Town, ND 58763

Re: Lindahl Wind Project, LLC  
Tradewind Energy Inc.  
Williams County, North Dakota

Dear Mr. Crows Breast:

On behalf of Tradewind Energy Inc., KLJ is preparing an application for requirements of the North Dakota Energy Conversion and Transmission Facility Siting Act for the North Dakota Public Service Commission. The application will include the development of the Lindahl Wind Project consisting of an approximate 150 megawatt (MW) wind farm in Williams County, North Dakota. Please refer to the enclosed *Project Location Map*.

The wind farm would consist of approximately 85 wind turbines, depending on the turbine model selected. The project would interconnect to the grid via the Lindahl Switching Station currently in operation within the project study area.

Construction is anticipated to begin in the summer of 2016 with commercial operation by the end of 2016.

No federal involvement (i.e., permits, funding, or review) is anticipated for this project; however, to ensure that social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments. Any information that might help us in our study would be appreciated.

It is requested that any comments or information be forwarded to our office on or before March 6, 2015. If you have any questions or need further information, please call me at (701) 355-8726. Thank you for your time and cooperation.

Sincerely,

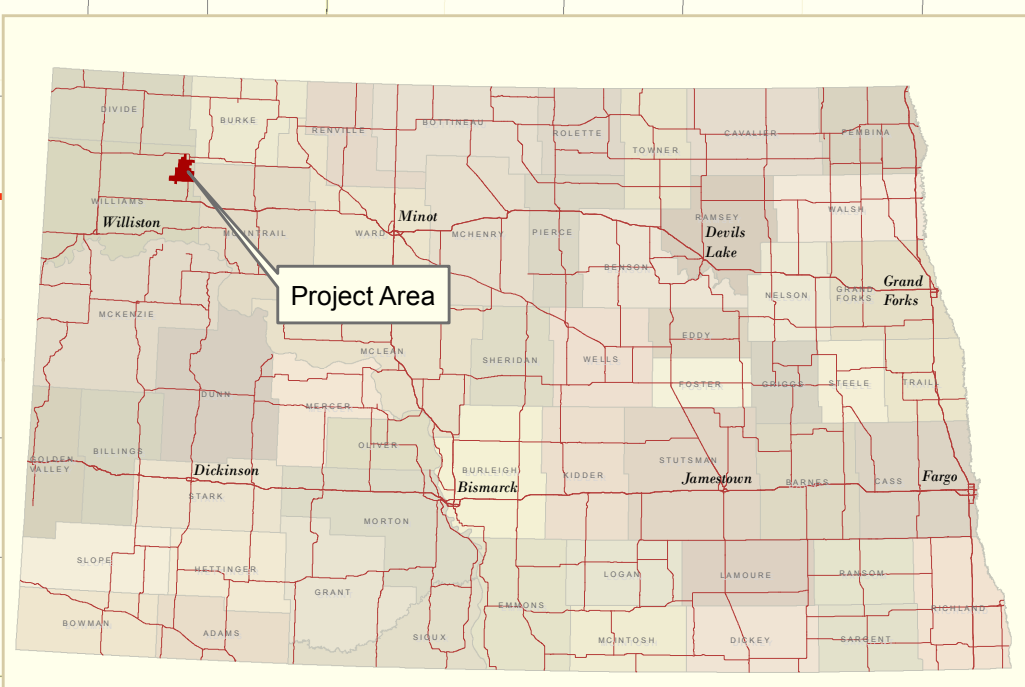
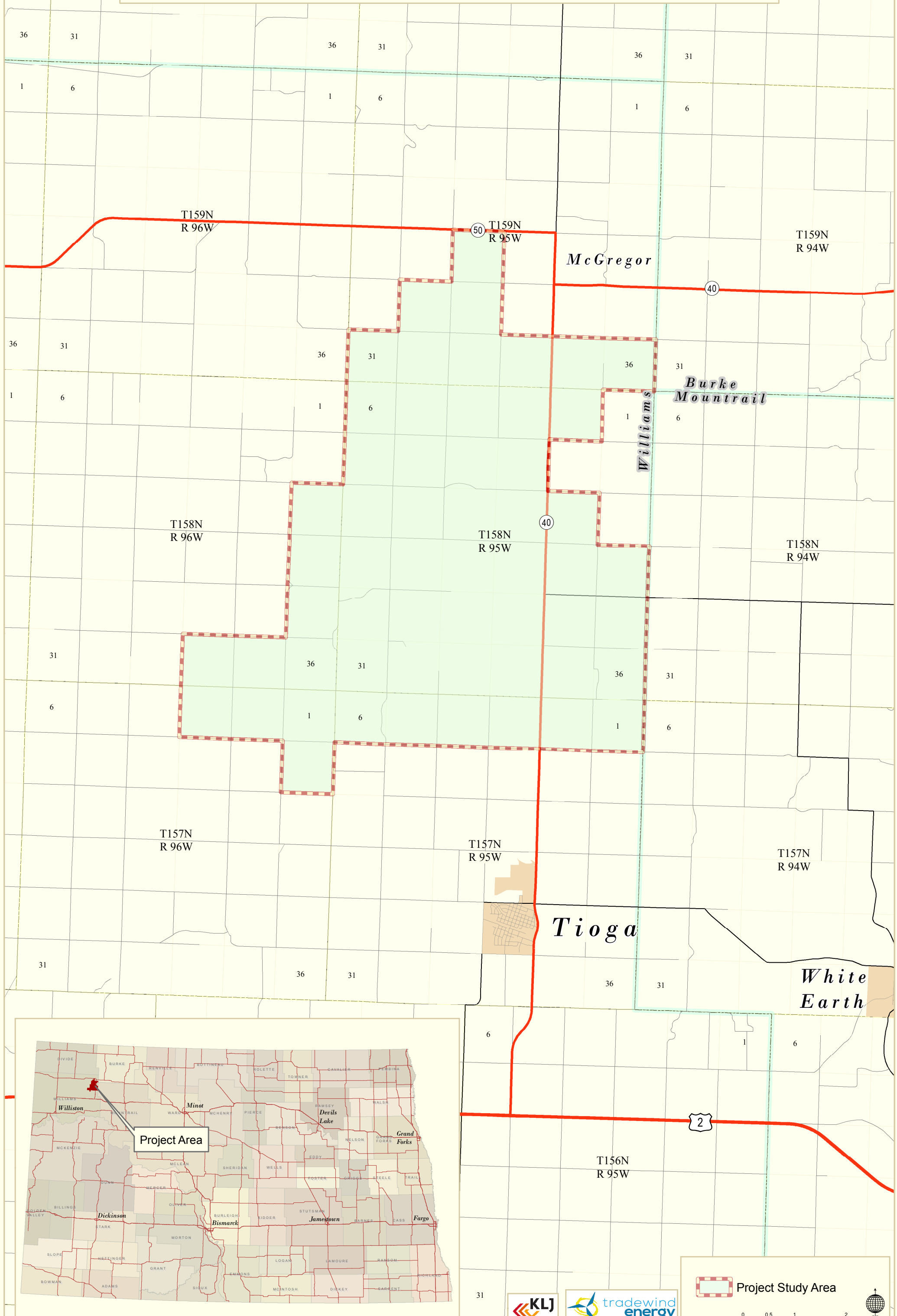
**KLJ**

A handwritten signature in blue ink that reads "Grady Wolf".

Grady Wolf  
Project Manager

Enclosure(s): Project Location Map  
Project #: 1614490

# Lindhahl Wind Farm Project Location



Project Study Area





Natural Resources  
Conservation Service

December 9, 2014

RECEIVED

DEC 11 2014

PO Box 1458  
Bismarck, ND  
58502-1458  
Voice 701.530.2000  
Fax 855-813-7556

Grady Wolf  
Project Manager  
Kadrmass, Lee, and Jackson  
128 Soo Line Drive  
PO Box 1157  
Bismarck, North Dakota 58502-1157

Re: Lindahl Wind Project, LLC  
TradeWind Energy Inc.  
Williams County, North Dakota

Dear Mr. Wolf:

The Natural Resources Conservation Service (NRCS) has reviewed your letter dated November 21, 2014, concerning the development of the Lindahl Wind Project consisting of an approximate 150 megawatt (MW) wind farm in Williams County, North Dakota.

#### Farmland Protection Policy Act

NRCS has a major responsibility with the Farmland Protection Policy Act (FPPA) in documenting conversion of farmland (i.e., prime, statewide importance and local importance) to non-agriculture use. It appears your proposed project is not supported by federal funding, therefore, FPPA does not apply and no further action is needed.

#### Wetlands

The Wetland Conservation Provisions of the 1985 Food Security Act, as amended, provide that if a USDA participant converts a wetland for the purpose or to have the effect of making agricultural production possible, loss of USDA benefits could occur. The NRCS has developed the following guidelines for the installation of permanent structures where wetlands occur. If these guidelines are followed the impacts to the wetland will be considered minimal allowing USDA participants to continue to receive USDA benefits. Following are the requirements:

- Disturbance to the wetland must be temporary.
- No drainage of wetland is allowed (temporary or permanent).
- Mechanized landscaping necessary for installation is kept to a minimum and preconstruction contours are maintained.

- Temporary side cast material must be placed in such a manner not to be dispersed in the wetland.
- All trenches must be backfilled to the original wetland bottom elevation. NRCS would recommend that impacts to wetlands be avoided.

If you have additional questions pertaining to FPPA, please contact Steve Sieler, Liaison Soil Scientist, NRCS, Bismarck, ND at 701-530-2019.

Sincerely,



WADE D. BOTT  
State Soil Scientist



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 5TH MISSION SUPPORT GROUP (AFGSC)  
MINOT AIR FORCE BASE NORTH DAKOTA

7 January 2015

2d Lieutenant Benjamin Fonte  
Community Planner  
5 CES/CEN  
445 Peacekeeper Place  
Minot AFB, ND 58705-5006

Mr. Grady Wolf  
KLJ Engineering  
PO Box 1157  
Bismarck, ND 58502-1157

Dear Mr. Wolf

It is the responsibility of the community planner to ensure that entities do not encroach Air Force assets. Upon review of the proposed Lindahl Wind Project in Williams County, I have found no issues of encroachment to Air Force assets in the area at this time.

I appreciate your coordination with Minot Air Force Base. Please do not hesitate to contact me for any future coordination. I can be reached by email, [benjamin.fonte.1@us.af.mil](mailto:benjamin.fonte.1@us.af.mil), or phone, 701-723-4844.

Sincerely

A handwritten signature in black ink that reads "Benjamin R. Fonte".

BENJAMIN R. FONTE, 2Lt, USAF  
Community Planner, 5th Civil Engineer Squadron



REPLY TO  
ATTENTION OF

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

RECEIVED

NOV 28 2014

November 26, 2014

North Dakota Regulatory Office

Mr. Grady Wolf  
Kadrmass Lee and Jackson  
128 Soo Line Drive  
PO Box 1157  
Bismarck, North Dakota 58502-1157

Dear Mr. Wolf:

This is in response to your letter dated November 21, 2014, on behalf of TradeWind Energy Inc, requesting US Army Corps of Engineers (Corps) comments regarding your development of the Lindahl Wind project located in Township 158 North, Range 95 West, Williams County, North Dakota.

Please be advised, Corps regulatory offices administer Section 10 of the Rivers and Harbors Act (Section 10) and Section 404 of the Clean Water Act (Section 404). Section 10 regulates work impacting navigable waters. Section 10 waters in North Dakota are the Missouri River (including Lake Sakakawea and Lake Oahe), Yellowstone River, James River south of the railroad track in Jamestown, North Dakota, Bois de Sioux River, Red River of the North, and the Upper Des Lacs Lake. Work over, in, or under navigable waters is considered to have an impact. Section 404 of the Clean Water Act regulates the discharge of dredged 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 includes, 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 waters of the United States.

Do not hesitate to contact this office by letter or telephone, (701) 255-0015, if we can be of further assistance.

Sincerely,

Daniel E. Cimarosti  
Regulatory Program Manager  
North Dakota

## Ashley Ross

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**From:** Grady Wolf  
**Sent:** Thursday, December 04, 2014 4:42 PM  
**To:** Mark.Holzer@faa.gov  
**Subject:** RE: Tioga Wind Farm

Mark,

Thanks for the response. We have previously worked with our airports staff on impacts from this wind farm on the Tioga airport, but I will follow up with Tom again to discuss your comments.

Thanks again.

Grady Wolf  
701-355-8726

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**From:** Mark.Holzer@faa.gov [mailto:Mark.Holzer@faa.gov]  
**Sent:** Thursday, December 04, 2014 4:17 PM  
**To:** Grady Wolf  
**Subject:** Tioga Wind Farm

Grady

The recent notice regarding TradeWind Energy wind farm proposed north of Tioga was reviewed today. The FAA recommends you consider the Tioga Municipal Airport location in this assessment. The airport is located 2 miles south east of the city. They have instrument flight procedures to access the airport in all- weather flying conditions. This airport has an new updated Airport Layout Plan (ALP) that would provide you the flight paths with airspace zoning surfaces.

A contact within KLJ Bismarck office is Tom Schauer, Aviation Planning manager. Tom would be able to review the ALP and filing notices under FAA OE/AAA web site. This web site provides the FAA's review process to determine the wind farms impact regarding the safe and efficient use the airspace around the Tioga Municipal Airport. This airspace study does take 45-60 days for study results on this proposed project.

Thank you for the opportunity to comment on the wind farm project.

Mark Holzer  
FAA DMA ADO  
701-323-7393

## Ashley Ross

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**From:** Grady Wolf  
**Sent:** Thursday, December 18, 2014 1:27 PM  
**To:** Ashley Ross  
**Subject:** FW: Tioga, ND - Lindahl Wind Project Concern  
**Attachments:** NDAC Obstacle Evaluation of Lindahl Wind Project.pdf

Grady Wolf  
701-355-8726

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**From:** Wingo, Jared L. [mailto:jwingo@nd.gov]  
**Sent:** Thursday, December 18, 2014 12:03 PM  
**To:** Grady Wolf  
**Cc:** Wanner, Kyle C.; West, Benjamin A.; Mark J. Holzer (mark.holzer@faa.gov); Chris Norgaard; Chris Dumont  
**Subject:** Tioga, ND - Lindahl Wind Project Concern

Grady,

The North Dakota Aeronautics Commission expresses concern in regards to the proposed Lindahl Wind Project near Tioga, North Dakota for the following reason:

Due to the proximity of the Tioga Municipal Airport, the construction of wind turbines could penetrate obstruction clearance surfaces used in evaluating safe approaches and departures out of Tioga's airport as well as having an adverse impact on the Instrument Approach Procedure (IAP) currently established for Tioga and any future procedures.

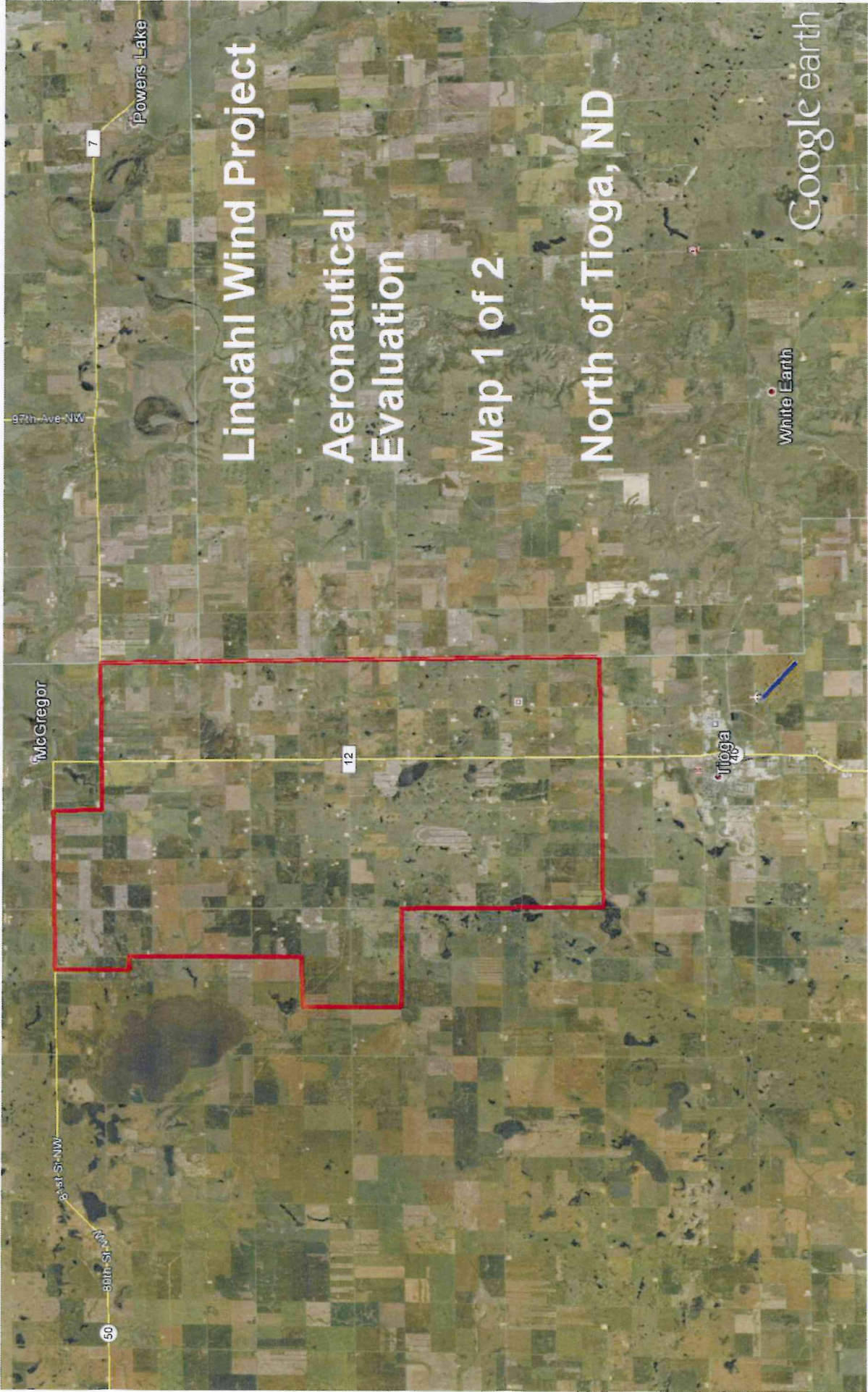
The attached file shows a preliminary evaluation conducted using the map KLJ provided to our office and the IAP currently established at Tioga.

If you have comments, concerns, and/or questions, feel free to contact me.

Take care,

**Jared L. Wingo**

**Airport Planner**  
**North Dakota Aeronautics Commission**  
**Work: (701) 328-9655**  
**Cell: (701) 471-5548**  
**Fax: (701) 328-9656**  
**Email: [jwingo@nd.gov](mailto:jwingo@nd.gov)**  
**<http://www.nd.gov/ndaero/>**



Lindahl Wind Project  
Aeronautical  
Evaluation  
Map 1 of 2  
North of Tioga, ND

Google earth

White Earth

McGregor

Tioga

7

12

50

97th Ave NW

83rd St NW

80th St NW

Powers Lake

McGregor

# Lindahl Wind Project

Powers Lake

## Aeronautical Evaluation

### Map 2 of 2

### North of Tioga, ND

Departure End of Runway

DER Rwy 30

Point to closest impacted area

16,810.00 Ft

Tioga

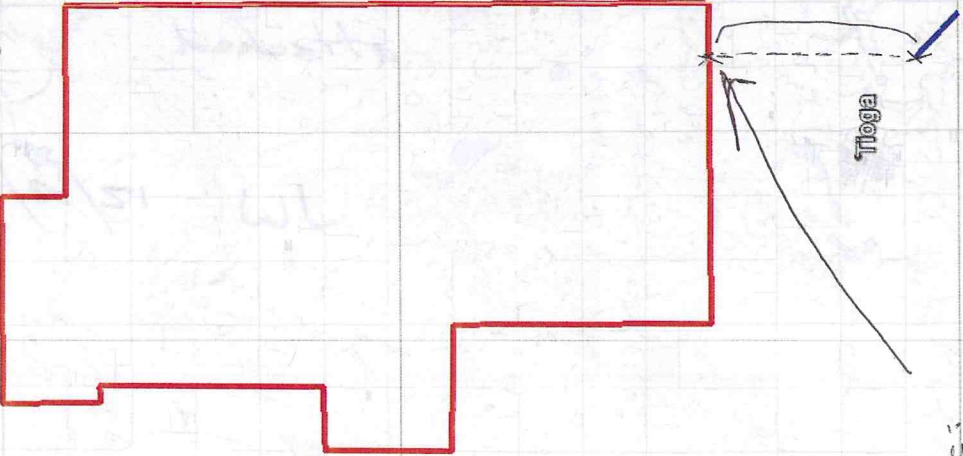
Worst case:

300 Ft Turbine located at point.

White Earth

Uses

Google Earth



Lindahl Wind Project: Obstacle Evaluation Worksheet

482549.98W - 1025419.15W : Lat/Long of closest point between Lindahl Wind Project Boundary and Tioga's runway 30 departure end centerline (approx. - found in Google Earth)

16810.00 Ft  $\leftarrow$  Distance between Runway 30 Departure End of Runway centerline (DER) to identified closest point identified above

$\div$  40.00 Ft  $\leftarrow$  40:1 slope typically used in departure and missed approach ~~obstacle evaluation~~ obstacle evaluation

420.25 Ft  $\leftarrow$  Gain in elevation between point and DER

2240.70 Ft  $\leftarrow$  Runway 30 DER elevation

200.00 Ft  $\leftarrow$  Est. Turbine height

+ 420.25 Ft  $\leftarrow$  Gain in 40:1 slope evaluation

+ 100.00 Ft  $\leftarrow$  Est. blade length

2660.95 Ft  $\leftarrow$  40:1 MSL value at closest point

300.00 Ft  $\leftarrow$  Est. height of Obstacle

2660.95 Ft

2389.00 Ft  $\leftarrow$  Approx. terrain elevation at closest point (MSL found via topo map overlay in Google Earth)

2689.00 Ft  $\leftarrow$

+ 300.00 Ft

28.05 Ft

2689.00 Ft  $\leftarrow$  MSL at closest point + turbine MSL.

Penetration with turbine at closest point

TIOGA, NORTH DAKOTA

AL-9025 (FAA)

14177

WAAS CH <b>56630</b> <b>W30A</b>	APP CRS <b>305°</b>	Rwy Idg TDZE Apt Elev	<b>5102</b> <b>2271</b> <b>2271</b>
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# RNAV (GPS) RWY 30

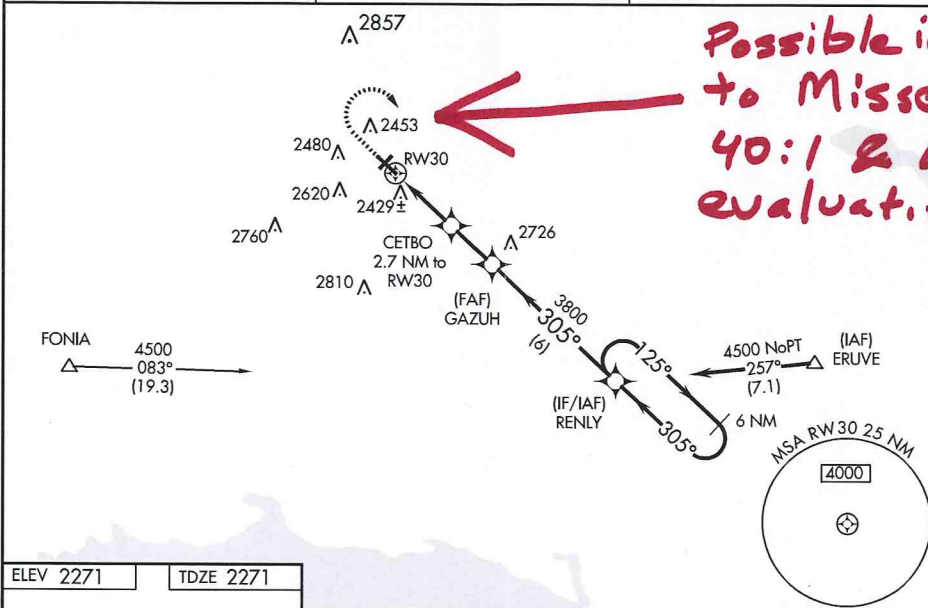
TIOGA MUNI (D60)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (2°F) or above 54°C (130°F). When VGSi inop, Straight-in/Circling RWY 30 procedure NA at night. DME/DME RNP-0.3 NA. Helicopter visibility reduction below 1 SM NA.

▲ When local altimeter setting not received, use Williston altimeter setting and increase all DA 115 feet and all MDA 120 feet, increase LPV visibility all Cats and LNAV Cat C/D visibility ¼ mile, LNAV/VNAV all Cats ½ mile, Circling Cat C and D to ½ mile. Baro-VNAV NA when using Williston altimeter setting.

MISSED APPROACH: Climb to 3200 then climbing right turn to 4500 direct RENLY and hold.

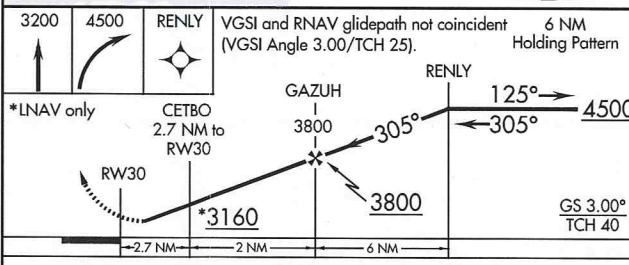
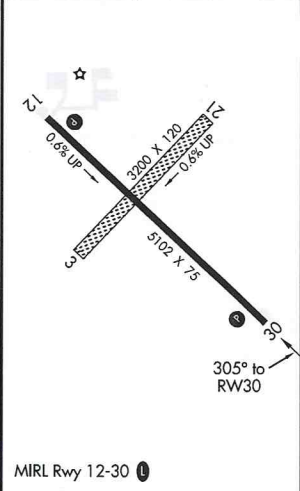
AWOS-3 <b>118.575</b>	MINNEAPOLIS CENTER <b>127.6 279.6</b>	CTAF <b>122.9 0</b>
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NC-1, 11 DEC 2014 to 08 JAN 2015

NC-1, 11 DEC 2014 to 08 JAN 2015

ELEV 2271	TDZE 2271
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CATEGORY	A	B	C	D
LPV DA		2521-1	250 (300-1)	
LNAV/VNAV DA		2610-1½	339 (400-1½)	
LNAV MDA	2720-1	449 (500-1)	2720-1⅓	449 (500-1⅓)
CIRCLING	2760-1 489 (500-1)	2840-1 569 (600-1)	2840-1½ 569 (600-1½)	2980-2¼ 709 (800-2¼)

TIOGA, NORTH DAKOTA  
Amdt 1A 26JUN14

48°23'N-102°54'W

TIOGA MUNI (D60)  
RNAV (GPS) RWY 30



November 24, 2014

RECEIVED

NOV 24 2014

Grady Wolf  
KLJ Engineering  
PO Box 1157  
Bismarck, ND 58502

"Letter of Clearance" In Conformance with the North Dakota Federal Program Review System -  
State Application Identifier No.: ND141124-0340

Dear Mr. Wolf:

SUBJECT: Lindahl Wind Project, LLC

The above referenced notice has been reviewed through the North Dakota Federal Program Review Process. As a result of the review, clearance is given to the project only with respect to this consultation process.

If the proposed project changes in duration, scope, description, budget, location or area of impact, from the project description submitted for review, then it is necessary to submit a copy of the completed application to this office for further review.

We also request the opportunity for complete review of applications for renewal or continuation grants within one year after the date of this letter.

Please use the above SAI number for reference to the above project with this office. Your continued cooperation in the review process is much appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "Rikki Roehrich".

Rikki Roehrich  
Program Specialist  
Division of Community Services

cmh



December 8, 2014

Mr. Grady Wolf  
KLJ  
P.O. Box 1157  
Bismarck, ND 58502-1157

RECEIVED  
DEC 12 2014

Re: Lindahl Wind Project, Williams County

Dear Mr. Wolf:

This department has reviewed the information concerning the above-referenced project submitted under date of November 21, 2014 with respect to possible environmental impacts.

This department believes that environmental impacts from the proposed construction will be minor and can be controlled by proper construction methods. With respect to construction, we have the following comments:

1. All necessary measures must be taken to minimize fugitive dust emissions created during construction activities. Any complaints that may arise are to be dealt with in an efficient and effective manner.
2. Care is to be taken during construction activity near any water of the state to minimize adverse effects on a water body. This includes minimal disturbance of stream beds and banks to prevent excess siltation, and the replacement and revegetation of any disturbed area as soon as possible after work has been completed. Caution must also be taken to prevent spills of oil and grease that may reach the receiving water from equipment maintenance, and/or the handling of fuels on the site. Guidelines for minimizing degradation to waterways during construction are attached.
3. Projects disturbing one or more acres are required to have a permit to discharge storm water runoff until the site is stabilized by the reestablishment of vegetation or other permanent cover. Further information on the storm water permit may be obtained from the Department's website or by calling the Division of Water Quality (701-328-5210). Also, cities may impose additional requirements and/or specific best management practices for construction affecting their storm drainage system. Check with the local officials to be sure any local storm water management considerations are addressed.
4. Noise from construction activities may have adverse effects on persons who live near the construction area. Noise levels can be minimized by ensuring that construction equipment is equipped with a recommended muffler in good working order. Noise effects can also be

Mr. Grady Wolf

2.

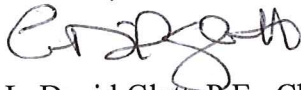
December 8, 2014

minimized by ensuring that construction activities are not conducted during early morning or late evening hours.

The department owns no land in or adjacent to the proposed improvements, nor does it have any projects scheduled in the area. In addition, we believe the proposed activities are consistent with the State Implementation Plan for the Control of Air Pollution for the State of North Dakota.

If you have any questions regarding our comments, please feel free to contact this office.

Sincerely,

A handwritten signature in black ink, appearing to read "L. David Glatt".

L. David Glatt, P.E., Chief  
Environmental Health Section

LDG:cc  
Attach.



## Construction and Environmental Disturbance Requirements

These represent the minimum requirements of the North Dakota Department of Health. They ensure that minimal environmental degradation occurs as a result of construction or related work which has the potential to affect the waters of the State of North Dakota. All projects will be designed and implemented to restrict the losses or disturbances of soil, vegetative cover, and pollutants (chemical or biological) from a site.

### **Soils**

Prevent the erosion of exposed soil surfaces and trapping sediments being transported. Examples include, but are not restricted to, sediment dams or berms, diversion dikes, hay bales as erosion checks, riprap, mesh or burlap blankets to hold soil during construction, and immediately establishing vegetative cover on disturbed areas after construction is completed. Fragile and sensitive areas such as wetlands, riparian zones, delicate flora, or land resources will be protected against compaction, vegetation loss, and unnecessary damage.

### **Surface Waters**

All construction which directly or indirectly impacts aquatic systems will be managed to minimize impacts. All attempts will be made to prevent the contamination of water at construction sites from fuel spillage, lubricants, and chemicals, by following safe storage and handling procedures. Stream bank and stream bed disturbances will be controlled to minimize and/or prevent silt movement, nutrient upsurges, plant dislocation, and any physical, chemical, or biological disruption. The use of pesticides or herbicides in or near these systems is forbidden without approval from this Department.

### **Fill Material**

Any fill material placed below the high water mark must be free of top soils, decomposable materials, and persistent synthetic organic compounds (in toxic concentrations). This includes, but is not limited to, asphalt, tires, treated lumber, and construction debris. The Department may require testing of fill materials. All temporary fills must be removed. Debris and solid wastes will be removed from the site and the impacted areas restored as nearly as possible to the original condition.

December 17, 2014

RECEIVED

DEC 18 2014

GRADY WOLF  
KLJ  
128 SOO LINE DRIVE  
PO BOX 1157  
BISMARCK ND 58502-1157

RE: Lindahl Wind Project, LLC  
TradeWind Energy Inc.  
Williams County, North Dakota

Dear Mr. Wolf:

The North Dakota Department of Trust Lands is a participant in this wind farm by virtue of an easement granted to Lindahl Wind Farm, LLC effective December 21, 2010. The surface tracts which are a part of this easement are as follows:

NW4 Section 36, T159N, R95W, Williams County  
Section 16, T158N, R95W, Williams County  
Section 36, T158N, R95W, Williams County

In addition, the trust manages significant mineral acreages within the proposed development area as shown on the attached spreadsheet and map. Our comments on the proposed wind farm are as follows:

- 1) A condition of the Wind Energy Agreement is that the Grantor has the sole right to "...approve, reject or modify at GRANTOR's sole discretion the proposed construction plan" as it applies to the above listed tracts (section 1.12). The Grantor is currently discussing the proposed project but has not yet approved project improvements on trust lands.
- 2) The mineral estate is dominant and Lindahl Wind Farm, LLC has not obtained an easement on the trust fund's minerals. The right to develop these minerals without interference from the wind farm is primary. We advise consulting with the North Dakota Oil and Gas Commission and the affected mineral lessees concerning the location of wind turbines and other infrastructure such that it does not interfere with future oil and gas development.
- 3) It is our understanding that TradeWind Energy, Inc. hopes to establish a substation on the SE4 Section 16, T158N, R95W, Williams County to tie into the Lindahl Switchyard on this tract. The substation is not authorized under the Wind Energy Agreement and an application for a substation has not been received by this office.

Thank you for the opportunity to provide comments concerning the proposed Lindahl Wind Farm.

Sincerely,



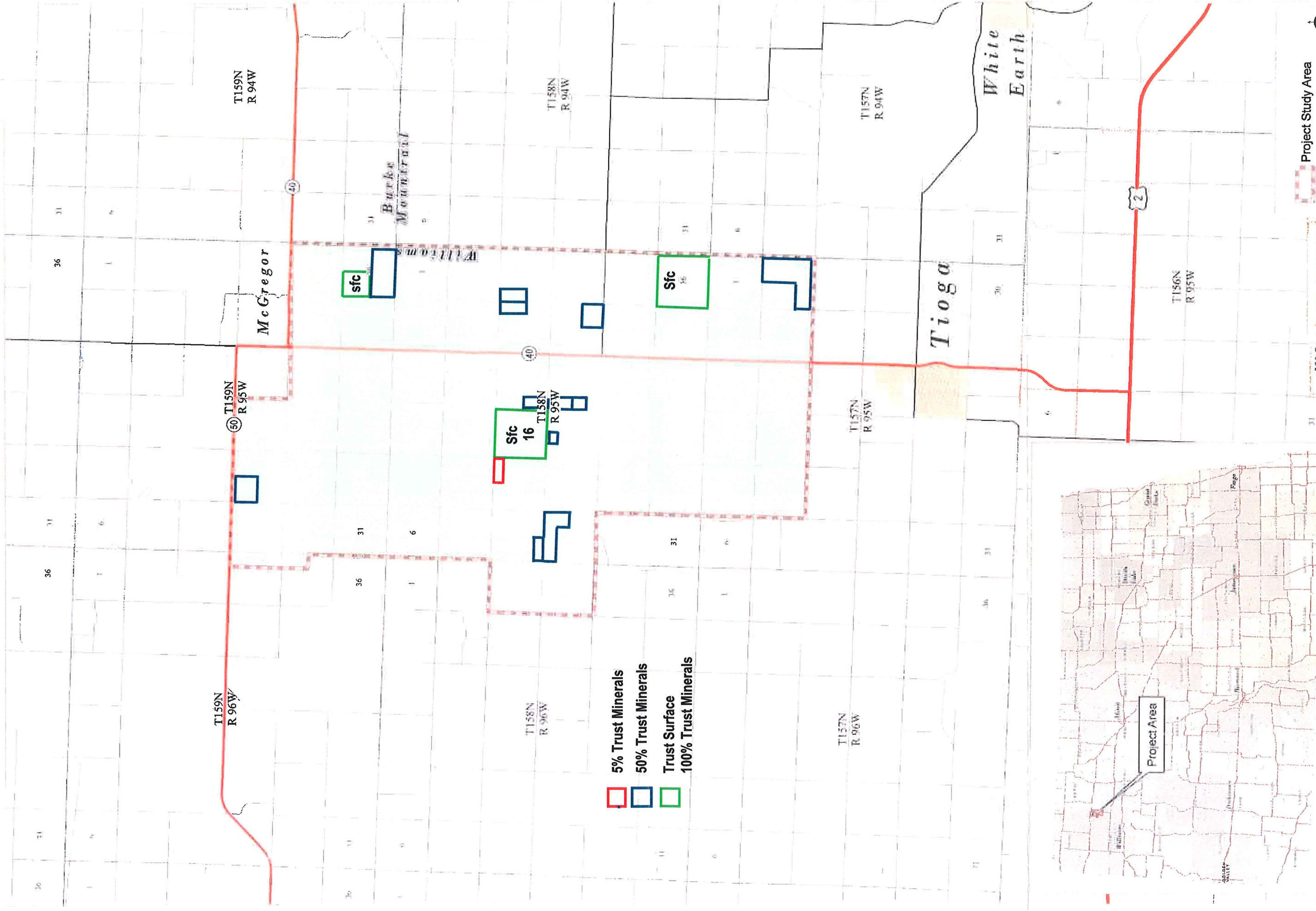
Michael D. Brand, Ph.D  
Director, Surface Management Division

Enclosure: Map of trust lands  
Spread sheet of mineral interests

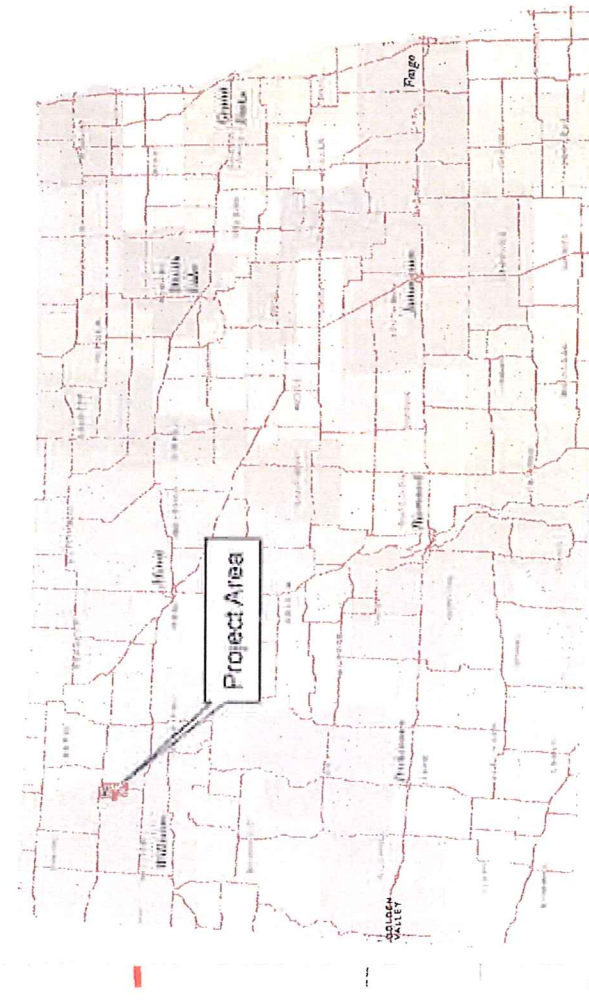
ND Board of University and Trust Lands  
Surface and Mineral Ownership

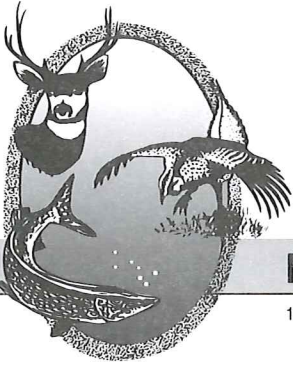
County	Twn	Range	Sec.	Subdivision	Surface Acres	Net Mineral Acres
WIL	157	95	12	NE4, SE4, S2SW4	0	200.00
WIL	158	95	13	W2NW4	0	40.00
WIL	158	95	14	E2NE4	0	40.00
WIL	158	95	15	W2SW4	0	40.00
WIL	158	95	16	ALL	640	640.00
WIL	158	95	17	N2NE4	0	4.00
WIL	158	95	18	NW4, S2SW4	0	113.96
WIL	158	95	19	N2NW4	0	38.21
WIL	158	95	21	N2NE4,SE4NE4, NE4NW4,NE4SE4	0	120.00
WIL	158	95	22	W2NW4,NW4SW4	0	60.00
WIL	158	95	23	SE4	0	80.00
WIL	158	95	36	ALL	640	640.00
WIL	159	95	20	NW4	0	80.00
WIL	159	95	36	NW4, SE4, SW4	160	320.00
					<b>1,440.00</b>	<b>2,416.17</b>

# Lindahl Wind Farm Project Location



- 5% Trust Minerals
- 50% Trust Minerals
- Trust Surface
- 100% Trust Minerals





"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

RECEIVED

DEC 22 2014

December 19, 2014

Grady Wolf  
Project Manager  
KLJ  
PO Box 1157  
Bismarck, ND 58502-1157

Dear Mr. Wolf:

RE: Lindahl Wind Project, LLC  
TradeWind Energy Inc.  
Williams County, North Dakota

The North Dakota Game and Fish Department has reviewed this project for wildlife concerns. Our primary concern with wind power development is the disturbance of native prairie associated with construction of turbines, access roads, and other associated facilities. We ask that work within native prairie be avoided to the extent possible. This could include micro-siting turbines onto adjacent previously disturbed land, locating access roads on existing section line trails rather than across undisturbed native prairie, etc.

The Department manages the McGregor Dam Wildlife Management Area (WMA) in Section 22, T159N, R95W, adjacent to the project study area. We recommend that tall structures such as wind turbines and communications towers be set-back ½-mile from WMA boundaries to minimize disturbance to wildlife. Mr. Kent Luttschwager, Wildlife Resource Management Supervisor, may be contacted at 701-774-4320 for additional information regarding this WMA.

The National Wetland Inventory indicates various wetlands located within the proposed project area. We recommend that any unavoidable wetland impacts be replaced in kind, above-ground appurtenances not be placed in wetland areas, and no alterations be made to existing drainage patterns.

We recommend that collection lines be buried whenever possible, and any necessary overhead lines be marked when placed over perennial streams or sited in close proximity to wetland complexes to minimize possible avian impacts. The publication "Reducing Avian Collisions with Power Lines: the State of the Art in 2012" provides a range of management options which can be used to reduce avian losses.

We also recommend that routine monitoring for avian and bat mortality be included as part of the facility maintenance plan for the life of the project. We would appreciate being kept informed as this project progresses, and if possible, we would like the GPS coordinates for each turbine after the site has been established.

Sincerely,



(for)

Greg Link  
Chief  
Conservation & Communication Division

js



Jack Dalrymple, Governor  
Mark A. Zimmerman, 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)

December 10, 2014

Mr. Grady Wolf  
Kadmas Lee & Jackson  
128 Soo Line Drive  
PO Box 1157  
Bismarck, ND 58502-1157

RECEIVED

DEC 11 2014

Re: Lindahl Wind Project, LLC TradeWinds Energy Inc.

Dear Mr. Wolf,

The North Dakota Parks and Recreation Department (the Department) has reviewed the above referenced proposed Lindahl Wind Project in Williams County, North Dakota.

Our agency scope of authority and expertise covers recreation and biological resources (in particular rare plants 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.

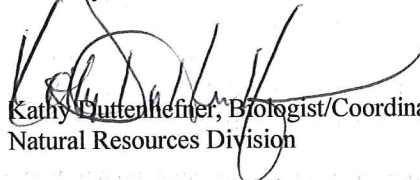
The North Dakota Natural Heritage biological conservation database has been reviewed to determine if any plant or animal species of concern or other significant ecological communities are known to occur within an approximate one-mile radius of the project area. Based on this review, we several animal species of concern documented in adjacent sections to project area. Please see the attached spreadsheet and map for more information on these occurrences.

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.

Given the potential for not only habitat disturbance and disruption but the threat to nesting, feeding and migratory bird and bats in the area we suggest that all efforts be made to avoid impacts to wildlife species and their habitats. In an effort to avoid or minimize impacts to wildlife and their habitats we encourage proper evaluation of all potential wind energy sites. To identify and assess adverse impacts to wildlife we suggest pre and post construction avian and bat monitoring studies be conducted.

We appreciate your commitment to rare plant, animal and ecological community conservation, management and inter-agency cooperation to date. For additional information please contact me at (701-328-5370 or [kgduttonhefner@nd.gov](mailto:kgduttonhefner@nd.gov)). Thank you for the opportunity to comment on this proposed project.

Sincerely,

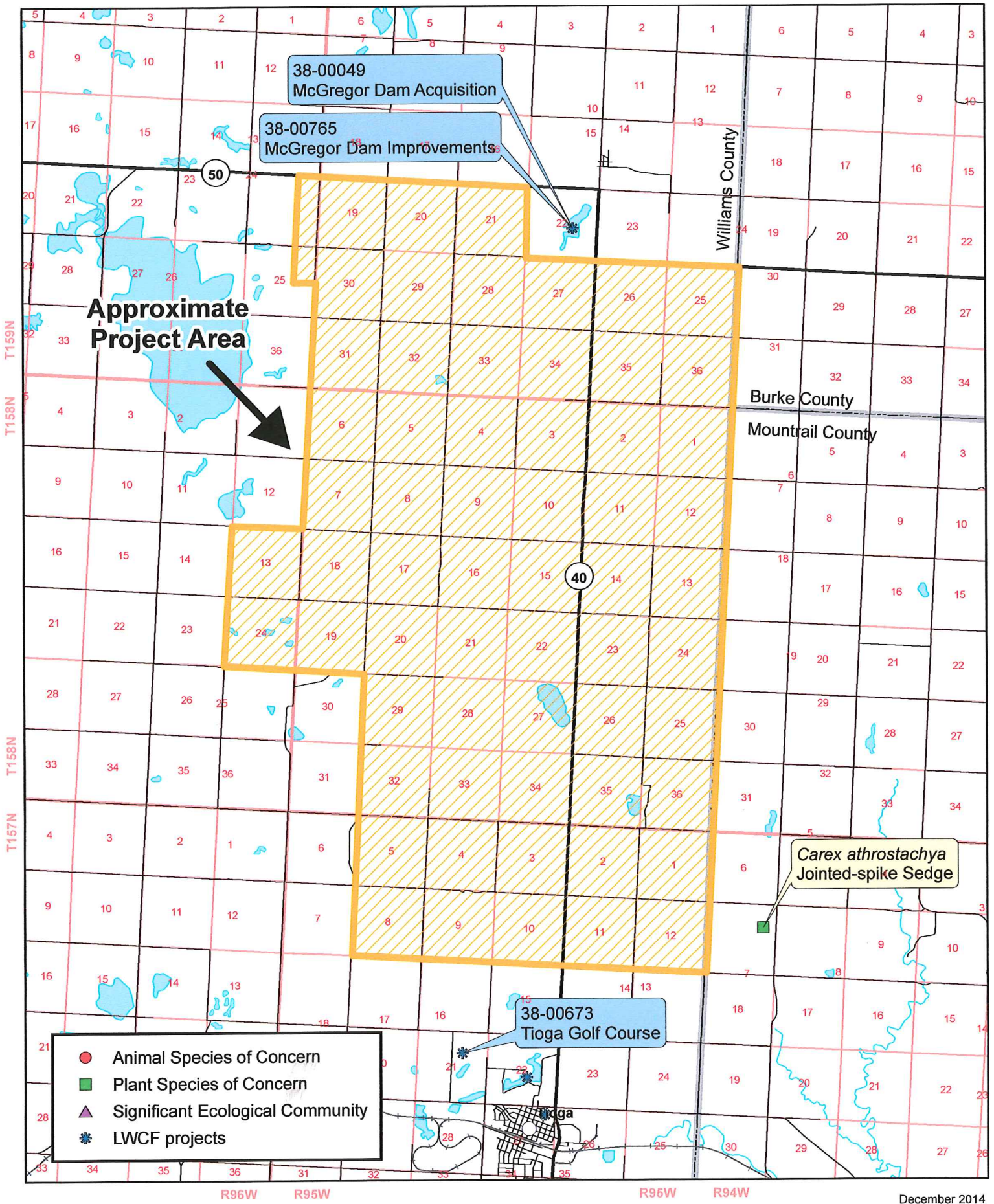


Kathy Duttonhefner, Biologist/Coordinator  
Natural Resources Division

R.USNDNHI\*2014\_210KD12/10/2014DL12.10.2014

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

# North Dakota Parks and Recreation Department North Dakota Natural Heritage Inventory



North Dakota Natural Heritage Inventory  
Rare Animal and Plant Species and Significant Ecological Communities

State Scientific Name	State Common Name	State Rank	Global Rank	Federal Status	Township Range Section	County	Last Observation	Estimated Representation Accuracy	Precision
Carex athrostachya	Jointed-spike Sedge	S3	G5		157N094W - 06; 157N094W - 07; 157N094W - 18; 157N094W - 05; 157N094W - 09; 157N094W - 08; 157N095W - 13; 157N094W - 17; 157N094W - 04; 157N095W - 01; 157N095W - 12	Mountrail, Williams	1971-08-05		M

## 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.

### Estimated Representation Accuracy

Value that indicates the approximate percentage of the Element Occurrence Representation (EO Rep) that was observed to be occupied by the species or community (versus buffer area added for locational uncertainty). Use of estimated representation accuracy provides a common index for the consistent comparison of EO reps, thus helping to ensure that aggregated data are correctly analyzed and interpreted.

Very high (>95%)

High (>80%, <= 95%)

Medium (>20%, <= 80%)

Low (>0%, <= 20%)

Unknown

(null) - Not assessed

### Precision

A single-letter code for the precision used to map the Element Occurrence (EO) on a U.S. Geological Survey (USGS) 7.5' (or 15') topographic quadrangle map, based on the previous Heritage methodology in which EOs were located on paper maps using dots.

S - Seconds: accuracy of locality mappable within a three-second radius; 100 meters from the centerpoint

M - Minute: accuracy of locality mappable within a one-minute radius; 2 km from the centerpoint

G - General: accuracy of locality mappable to map or place name precision only; 8 km from centerpoint

U - Unmappable

Land and Water Conservation Fund Projects

<b>Project Name</b>	<b>Project Number</b>
McGregor Dam Acquisition	38-00049
McGregor Dam Improvements	38-00765
Tioga Golf Course	38-00673



# North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 • BISMARCK, NORTH DAKOTA 58505-0850  
701-328-2750 • TDD 701-328-2750 • FAX 701-328-3696 • INTERNET: <http://swc.nd.gov>

RECEIVED

DEC 12 2014

December 11, 2014

Grady Wolf  
KLJ  
PO Box 1157  
Bismarck, ND 58502-1157

Dear Mr. Wolf:

This is in response to your request for review of environmental impacts associated with the Lindahl Wind Project, LLC, located in Williams County, ND.

The proposed project has been reviewed by State Water Commission staff and the following comments are provided:

- There are no floodplains identified and/or mapped where this proposed project is to take place. The project takes place in an unmapped county. No floodplain permits are necessary relative to the National Flood Insurance Program.
- The ND State Water Commission (Commission) maintains a network of observation/monitor water wells throughout the state, and many are located close to public right-of-ways. The well location information can be obtained from the Commission's website at: <http://swc.nd.gov>; then click on "Map and Data Resources"; and then click on "Map Services". If water wells may be affected by your project or accidentally damaged, please contact the Water Appropriations Division of the Commission at 701-328-2754. A copy of the map is enclosed.
- A drain permit may be needed for the project, if the project or project features require fill in a wetland or other water bodies. Please contact Dwight Comfort at 701-328-4960, concerning permit requirements.
- It is the responsibility of the project sponsor to ensure that local, state and federal agencies are contacted for any required approvals, permits, and easements.
- All waste material associated with the project must be disposed of properly and not placed in identified floodway areas.
- No sole-source aquifers have been designated in ND.

Thank you for the opportunity to provide review comments. If you have any questions, please call me at 701-328-4967.

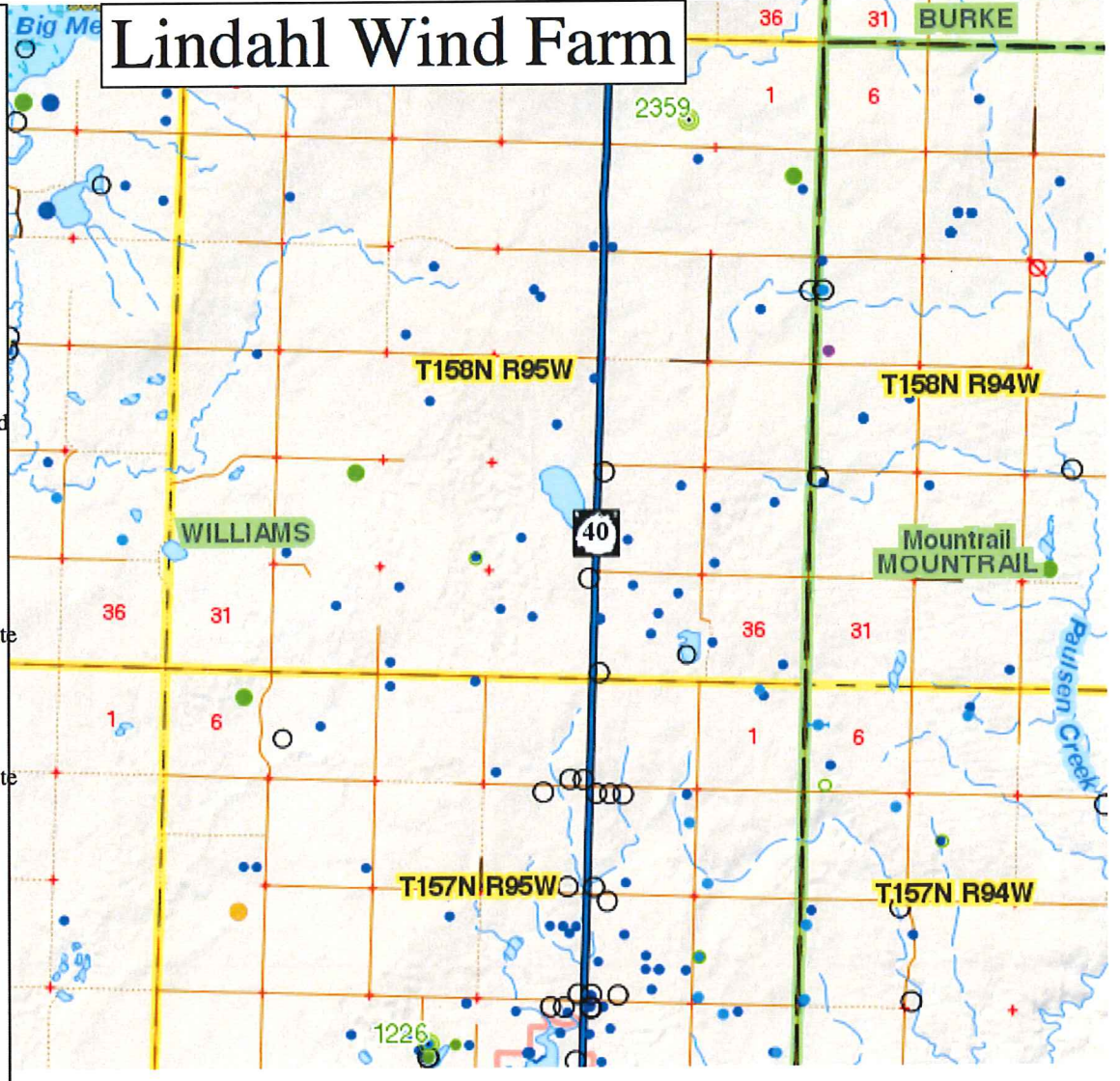
Sincerely,

Linda Weispfenning  
Water Resource Planner

LW:dm/1570  
Encl.

# Lindhahl Wind Farm

- ND Corporate Limits
- ▨ Tribal Lands
- + Section Corners
- Driller Logs
- ⊕ usgs\_gages
- Domestic Well
- Industrial Well
- Irrigation Well
- Multi-Well Sample
- Municipal Well
- ⊗ Observation Well
- ⊗ Observation Well - Destroyed
- ⊗ Observation Well - Plugged
- ⊗ Observation Well - Recorder
- Production Well
- Rural Water Well
- Stock Well
- Surface Water Monitoring Site
- Test Hole
- ⊕ Test Well
- Unknown
- Surface Water Monitoring Site
- ▬ Dams
- ▬ restorations
- Developed
- Undeveloped
- Application Pending
- Inactive
- Expired
- ▬ Railroads
- ▬ Railroads - Abandoned
- ▬ Unimproved or Trail



1226

2359

BURKE

WILLIAMS

Mountrail  
MOUNTRAIL

T158N R95W

T158N R94W

T157N R95W

T157N R94W

40

36

31

36

31

1

6

1

6

1226

2359

BURKE

WILLIAMS

Mountrail  
MOUNTRAIL

T158N R95W

T158N R94W

T157N R95W

T157N R94W

40

36

31

36

31

1

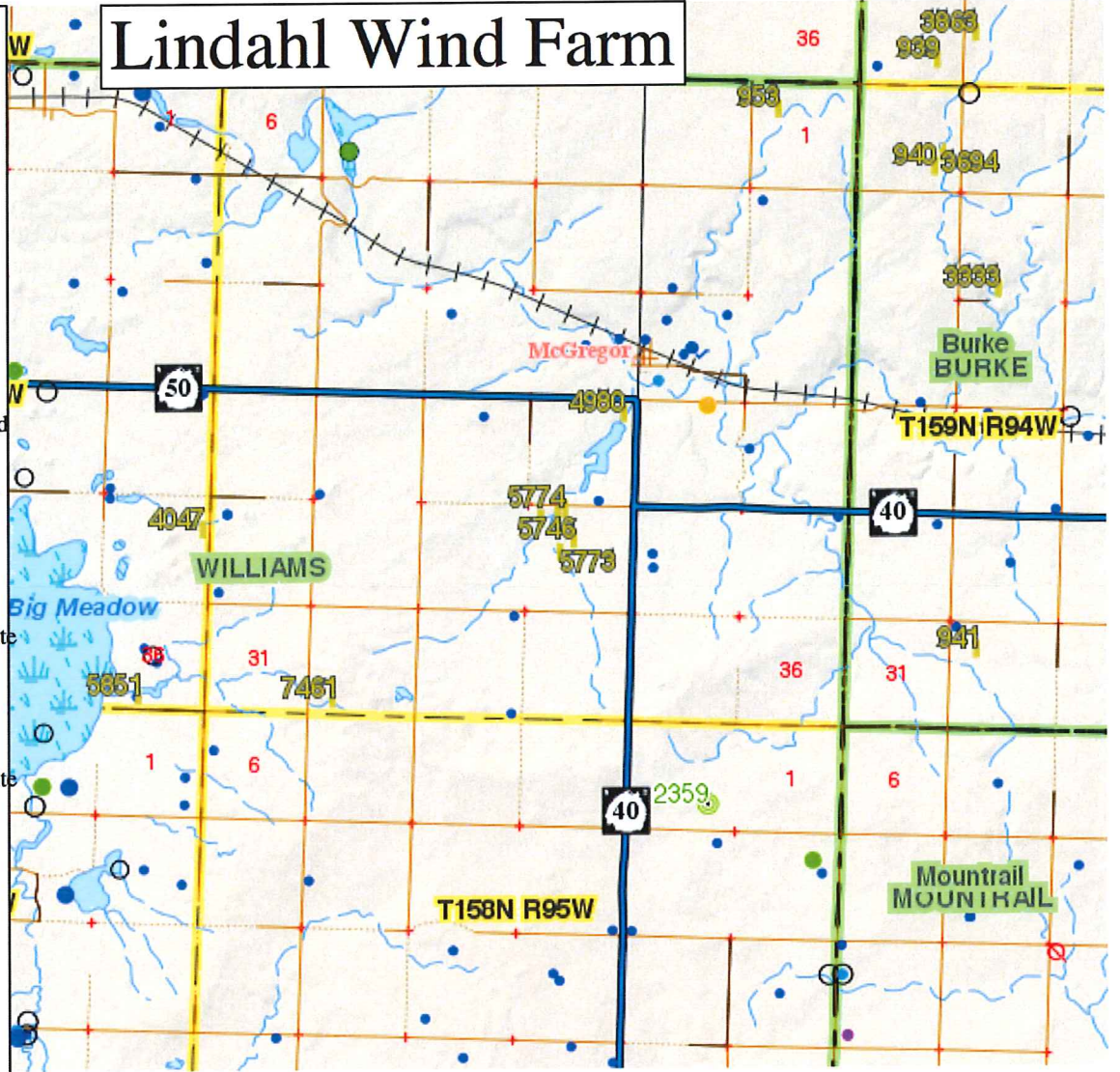
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6

# Lindahl Wind Farm

- ND Corporate Limits
- Tribal Lands
- Section Corners
- Driller Logs
- usgs\_gages
- Domestic Well
- Industrial Well
- Irrigation Well
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- Developed
- Undeveloped
- Application Pending
- Inactive
- Expired
- Railroads
- Railroads - Abandoned



NOV 28 2014



**STATE  
HISTORICAL  
SOCIETY  
OF NORTH DAKOTA**

Jack Dalrymple  
Governor of North Dakota

November 24, 2014

North Dakota  
State Historical Board

Mr. Grady Wolf  
Project Manager  
KLJ  
PO Box 1157  
Bismarck, ND 58502-1157

Calvin Grinnell  
New Town - President

A. Ruric Todd III  
Jamestown - Vice President

ND SHPO REF: 15-0183 PSC Lindahl Wind Project, LLC TradeWind Energy, Inc. 90 turbine, 150 MW wind power development, Williams County, North Dakota

Margaret Puetz  
Bismarck- Secretary

Dear Mr. Wolf,

Albert I. Berger  
Grand Forks

We reviewed your preliminary information on ND SHPO REF: 15-0183 PSC Lindahl Wind Project, LLC TradeWind Energy, Inc. 90 turbine, 150 MW wind power development, Williams County, North Dakota. There is potential for unrecorded and recorded cultural resource properties in a variety of physiographic settings in the overall project area. As a potential federal/state undertaking, we encourage early agency consultation as part of the review process. Early consultation should also include tribal nations, North Dakota Indian Affairs, and any managers or owners of properties maintained for recreational or scenic value.

Gereld Gerntholz  
Valley City

Diane K. Larson  
Bismarck

Chester E Nelson, Jr.  
Bismarck

We recommend a Class I (file search), a **Class III survey by a permitted architectural historian for standing structures in the visual Area of Potential Effect (APE)**. Susan Quinnell Review and Compliance Coordinator with ND SHPO will assist the permitted architectural historian with development of the visual APE, as each visual APE warrants individual review. Class III archeological (pedestrian) surveys will be warranted for all areas directly impacted by the project, **including crane paths**, access roads, staging areas, transmissions lines and turbine pads. As part of the Class III Inventory, NDCRS site updates should be submitted on all sites resurveyed. If the project APE changes, we will request additional inventories, surveys and consultation.

Sara Otte Coleman  
Director  
Tourism Division

Kelly Schmidt  
State Treasurer

Alvin A. Jaeger  
Secretary of State

Thank you for the opportunity to review this project to date. We look forward to further review of cultural resource surveys and site forms, and updates as the project siting occurs. If you have any questions please contact Paul Picha, Chief Archaeologist (701) 328-3574 or Susan Quinnell, Review and Compliance Coordinator at (701) 328-3576, e-mail squinnell@nd.gov

Mark Zimmerman  
Director  
Parks and Recreation  
Department

Grant Levi  
Director  
Department of Transportation

Sincerely,

Claudia J. Berg  
Director

Fern Swenson  
Deputy State Historic Preservation Officer (North Dakota)

Accredited by the  
American Alliance  
of Museums since 1986

**Grady Wolf**

TALKED WITH: Richard Zakrajsek (City of Tioga)

RECORDED BY: Grady Wolf

PROJECT: Lindahl Wind Farm

SUBJECT: Scoping letters

DATE: 12/5/14

**DISCUSSION ITEMS:**

Richard called on behalf of the City of Tioga regarding a scoping letter they received for the proposed development of the Lindahl Wind Farm. He mentioned the Tioga City Council had questions regarding safety and siting considerations. More specifically, what the safety reliability of the turbines are from malfunction or failure as well as potential damage to property from failure. They would also like to know if all the oil activity that was taking place in the area was being considered.

The city was interested in what the benefits of the wind farm would be and if there would be any permanent jobs that would be created as part of the project. He also mentioned the City currently has jurisdiction 1-mile beyond their existing boundaries and is looking to expand that jurisdiction.

I discussed some of the timelines for moving forward with the project and had general discussions on safety and siting considerations as well as permits that would be required as part of the project. I informed him that I would pass the information on to the developer and mentioned that maybe it would be best if the developer schedules time to meet with the City Council during one of their regular meetings to discuss the project and give them the opportunity to ask questions. Richard said he believes the City Council would be very open to that opportunity to discuss the project.



# Mountrail - Williams Electric Cooperative

Internet: [www.mwec.com](http://www.mwec.com)  
Service Area  
Toll Free: 1-800-279-2667

PO Box 1346  
Williston, ND 58802-1346  
(701) 577-3765

PO Box 129  
Stanley, ND 58784-0129  
(701) 628-2242

PO Box 59  
New Town, ND 58763-0059  
(701) 627-3550

RECEIVED  
DEC 22 2014

December 15, 2014

KLJ

Attn: Grady Wolf  
128 Soo Line Drive  
PO Box 1157  
Bismarck, ND 58502-1157

RE: Lindahl Wind Project, LLC

Dear Mr. Wolf:

Mountrail-Williams Electric Cooperative owns, operates, and maintains several electrical facilities in the general vicinity of your project. We have enclosed a map of our facilities.

Please note that all of the alignments on the facilities are for demonstration purposes only and should be considered *approximate*, and that changes are made to our physical plant and future plans on a daily basis, so this map may include inaccuracies. Please contact us at 701.577.3765 with any questions you may have regarding our facilities.

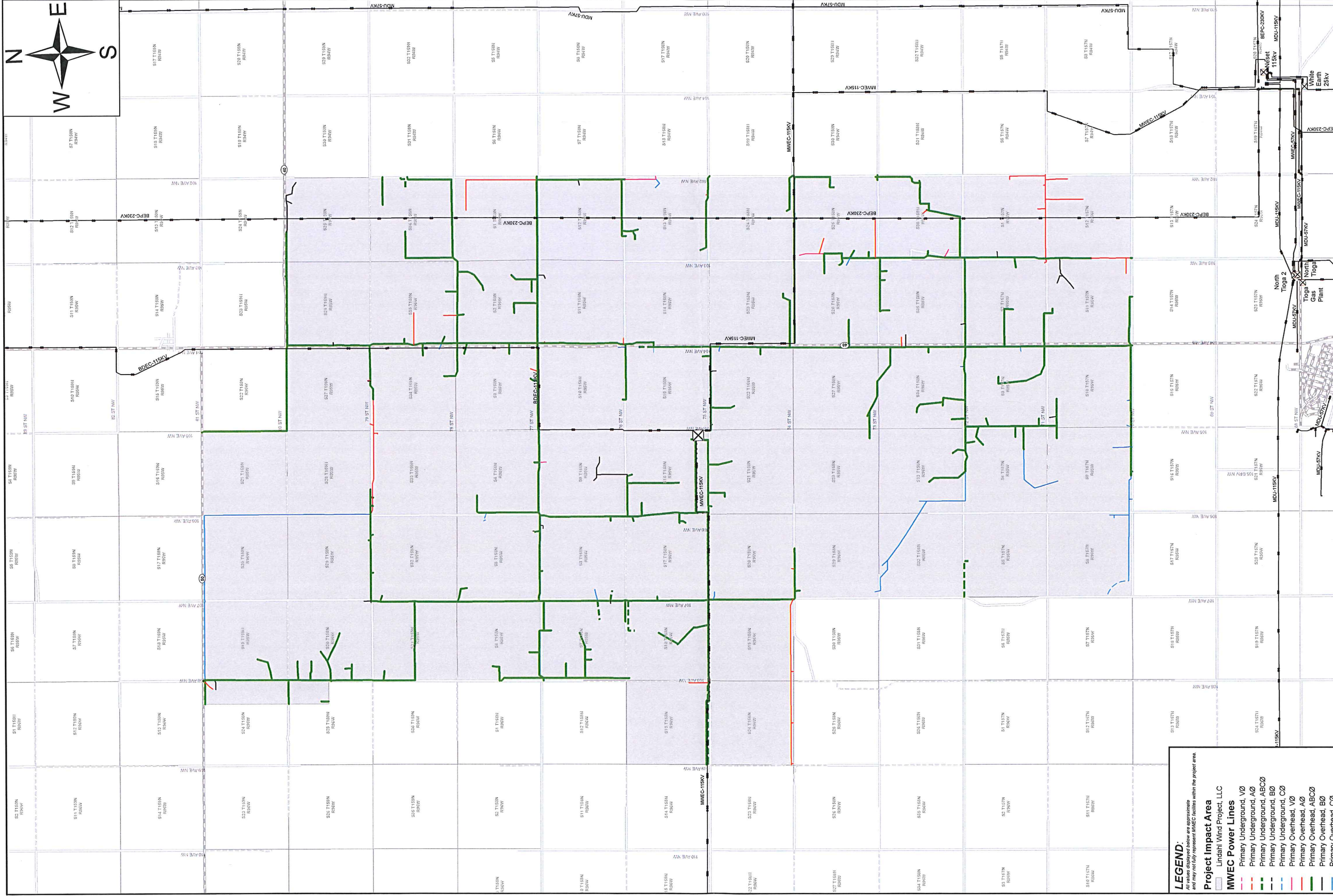
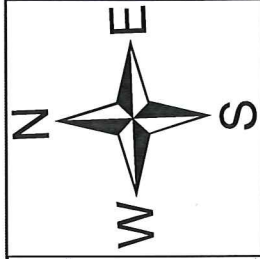
Sincerely,

Josh Heredia  
Operations Manager

JH/lje

Enclosures





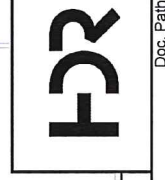
**LEGEND:**  
*All values displayed below are approximate and may not fully represent MWECC facilities within the project area.*

**Project Impact Area**  
 Lindahl Wind Project, LLC

**MWECC Power Lines**  
 Primary Underground, VØ  
 Primary Underground, AØ  
 Primary Underground, BØ  
 Primary Underground, CØ  
 Primary Overhead, VØ  
 Primary Overhead, AØ  
 Primary Overhead, BØ  
 Primary Overhead, CØ

**Transmission Line**  
 Other Utilities  
 MWECC

**MWECC Substations**  
 Existing



Scale: 1 in = 0.5 miles	Project Manager: MM
Proj. No: 224447.003	Project Engineer: MM
Database Date: 2/07/2014	Drafter: KW
Revision Date: 12/17/2014	
Doc. Name: Lindahl_Wind_Proj22x94	



Lindahl Wind Project, LLC  
 MWECC Utility  
 Conflict Exhibit  
 December 2014

## Ashley Ross

---

**From:** Grady Wolf  
**Sent:** Thursday, December 18, 2014 1:27 PM  
**To:** Ashley Ross  
**Subject:** FW: Tioga Windfarm  
**Attachments:** PSC\_Proj Loc.pdf; Scoping letter.pdf

Grady Wolf  
701-355-8726

---

**From:** Chris Norgaard [mailto:chris@septicheater.com]  
**Sent:** Thursday, December 18, 2014 11:07 AM  
**To:** Grady Wolf  
**Cc:** Chris Dumont; Tom Schauer; 'Wanner, Kyle C.'; Mark.Holzer@faa.gov  
**Subject:** Tioga Windfarm

Grady,

This information was presented at the December meeting of the Tioga Airport Authority. It was discussed and voted on unanimously to go on record as being "Opposed" to this wind project. It may affect our flight pattern in VFR conditions, as well as our instrument approach that is currently in the design phase.

Sincerely,

Chris Norgaard  
President  
Tioga Airport Authority  
507.649.0831

PS – resending because I received an error message while sending yesterday

## Ashley Ross

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**From:** Grady Wolf  
**Sent:** Monday, January 19, 2015 10:37 AM  
**To:** Chris Norgaard  
**Cc:** Ashley Ross  
**Subject:** RE: Tioga, ND - Lindahl Wind Project Concern

Chris,

Thanks for the follow up email. This correspondence will be incorporated into the PSC application.

Grady Wolf  
701-355-8726

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**From:** Chris Norgaard [mailto:chris@septicheater.com]  
**Sent:** Friday, January 16, 2015 11:08 AM  
**To:** 'Wingo, Jared L.'; Grady Wolf; bbarton@tradewindenergy.com  
**Cc:** 'Wanner, Kyle C.'; 'West, Benjamin A.'; 'Mark J. Holzer'; Chris Dumont; Tom Schauer; psjensen@nccray.com  
**Subject:** RE: Tioga, ND - Lindahl Wind Project Concern

Gentlemen,

At the Tioga Airport Authority meeting last night (1-15-15), one aerial applicator was present and very opposed to the project, and these written comments from transient Aerial Applicators were read:

1.

As aerial sprayers wind towers make our job very difficult or impossible, so I'm guessing inside that area there will be fields we won't be able to spray, but as far as airport operations for us it will ok. The towers will be far enough north that they shouldn't cause us problems, looks like the approaches will be a bigger issue.

2.

I am both a crop sprayer and an airport manager. As a crop sprayer I sure do not like wind farms located on prime farm land. Talking with farmers who have wind farms on their land I find that most of them wish they had not let them be built. Encourage your farmers to talk with other ND farmers who already have wind towers, Langdon and Luverne ND wind farms come to mind. That being said, when they proposed the Rolla wind farm near our local airport I did not fight it as the people who wanted it were our customers and I did not want to alienate them.

They have all the infrastructure work and all the concrete poured for the Rolla wind farm and will be installing towers in the spring. Already some of the participating farmers are regretting their decision.

As the airport manager at Rolla, we learned that you have to keep an eye on where they put them. I see you currently have a non-precision approach. Eventually you will want to get a precision approach, so you will want to make sure that the tower heights and locations will not interfere with glideslopes etc for a precision approach.

After reviewing the final site locations proposed at Rolla we found 3 or 4 towers that were actually too close to our airport by a couple of hundred yards. If these had been built it could have affected our approach's and funding. After we informed them of the mistake they did have the proposed locations moved.

No one has ever explained to me why they cannot put these farms on waste land or pasture land. There is lots of area like this around, even by Tioga. There are numerous windfarms that are located on marginal land in ND and they seem to be working fine. Examples of these are, the Tatanka I and II windfarms west of Ellendale, the ND Winds I and II near Kulm ND, the Cedar Hills near Rhame and Bison Wind south of Elgin.

After review of updated information provided by Tradewind and a lot of discussion, the following motion was made and passed:

“Based on revised information provided to the Tioga Airport Authority it would not be opposed to the proposed windfarm assuming all current and future FAA guidelines are met and a determination of NO HAZZARD is issued by the FAA.”

Sincerely,  
Chris Norgaard  
President  
Tioga Airport Authority

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**From:** Wingo, Jared L. [<mailto:jwingo@nd.gov>]  
**Sent:** Thursday, December 18, 2014 12:03 PM  
**To:** [grady.wolf@kljeng.com](mailto:grady.wolf@kljeng.com)  
**Cc:** Wanner, Kyle C.; West, Benjamin A.; Mark J. Holzer ([mark.holzer@faa.gov](mailto:mark.holzer@faa.gov)); Chris Norgaard; [chris.dumont@kljeng.com](mailto:chris.dumont@kljeng.com)  
**Subject:** Tioga, ND - Lindahl Wind Project Concern

Grady,

The North Dakota Aeronautics Commission expresses concern in regards to the proposed Lindahl Wind Project near Tioga, North Dakota for the following reason:

Due to the proximity of the Tioga Municipal Airport, the construction of wind turbines could penetrate obstruction clearance surfaces used in evaluating safe approaches and departures out of Tioga's airport as well as having an adverse impact on the Instrument Approach Procedure (IAP) currently established for Tioga and any future procedures.

The attached file shows a preliminary evaluation conducted using the map KLJ provided to our office and the IAP currently established at Tioga.

If you have comments, concerns, and/or questions, feel free to contact me.

Take care,

**Jared L. Wingo**

**Airport Planner**  
**North Dakota Aeronautics Commission**  
**Work: (701) 328-9655**  
**Cell: (701) 471-5548**

Fax: (701) 328-9656  
Email: [jwingo@nd.gov](mailto:jwingo@nd.gov)  
<http://www.nd.gov/ndaero/>

