

June 11, 2015

**VIA FEDERAL EXPRESS**

Mr. Darrell Nitschke  
Executive Secretary  
North Dakota Public Service Commission  
600 E. Boulevard, Dept. 408  
Bismarck, ND 58505-0480



**RE: Lindahl Wind Project, LLC'S Ten Year Plan: 2015-2025**

Dear Mr. Nitschke:

Enclosed for filing are an original and ten (10) copies of the following documents:

1. Lindahl Wind Project, LLC's Ten Year Plan: 2015-2025;
2. Notice of Filing Ten Year Plan; and
3. Affidavit of Service.

Electronic copies of the enclosed documents were filed with the Commission today via e-mail. If you have any questions, please let me know.

Sincerely,

MOLLIE M. SMITH

MMS/ms  
Enclosures

cc: Brice Barton (w/encls. – via e-mail)  
Jennifer Dean (w/encls. – via e-mail)  
Grady Wolf (w/encls. – via e-mail)

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**PU-15-328**  
**2015 ten year plan**

Filed: 6/11/2015

Pages: 11

**TEN YEAR PLAN: 2015-2025**

**Lindahl Wind Project, LLC**

**June 2015**

In accordance with Section 49-22-04 of the North Dakota Century Code and Chapter 69-06-02 of the North Dakota Administrative Code, Lindahl Wind Project, LLC ("Lindahl Wind"), submits the following Ten Year Plan for years 2015 through 2025.

- (1) *A description of the general location, size, and type of all facilities to be owned or operated by the utility during the ensuing ten years, as well as those facilities to be removed from service during the ten-year period.*

Lindahl Wind is a Delaware limited liability company, authorized to do business in the State of North Dakota. Lindahl Wind is owned by Enel Kansas, LLC. Lindahl Wind plans to develop an up to 150 megawatt ("MW") wind energy conversion facility that will be known as the Lindahl Wind Farm Project ("Project") located approximately four miles north of the City of Tioga in Williams County, North Dakota. The final output will depend upon the ultimate selection of the turbines to be sited. Lindahl Wind plans to begin construction as early as the Third Quarter of 2015, with an anticipated in-service date in the Fourth Quarter of 2016.

Lindahl Wind also plans to construct a 115 kilovolt ("kV") generator lead line to facilitate the Project's interconnection. The 115 kV generator lead line will be less than one mile in length, and in accordance with Section 49-22-03(12)(a) of the North Dakota Century Code, the proposed line falls outside of the Commission's siting jurisdiction.

Lindahl Wind does not currently have any facilities located in North Dakota and, therefore, has no plans to decommission any facilities. The Project will have an estimated life of greater than 10 years. As such, Lindahl Wind does not have any plans to decommission any proposed facilities within the timeframe of this plan.

- (2) *An identification of the location of the tentative preferred site for all energy conversion facilities and the tentative location of all transmission facilities on which construction is intended to be commenced within the ensuing five years and such other information as may be required by the commission. The site and corridor identification shall be made in compliance with the criteria published by the commission pursuant to section 49-22-05.1.*

As noted above, Lindahl Wind plans to pursue development of the above-referenced Project, and proposes to have the Project constructed and in-service by the Fourth Quarter of 2016. The proposed Project footprint is located approximately four miles north of the City of Tioga in Williams County, North Dakota. The Project will interconnect to the grid via the Lindahl Switching Station currently in operation off of 75th Street Northwest in the SE¼ of Section 16, Township 158 N, Range 95 W, Williams County, North Dakota. The switching station is owned and operated by Burke Divide Electric Cooperative.

Lindah Wind has retained a qualified environmental consulting firm to evaluate the site selected for the proposed Project so as to ensure compliance with the exclusion and avoidance area criteria referenced in Section 49-22-05.1 of the North Dakota Century Code and identified in Chapter 69-06-08 of the North Dakota Administrative Code. Lindahl Wind's Application for a Certificate of Site Compatibility, which will be filed with the Commission in the near future, will discuss the Project's compliance with the Section 49-22.05.1 criteria in greater detail. A map depicting the study area for the Project is attached as **Exhibit A**.

- (3) *A description of the efforts by the utility to coordinate the plan with other utilities so as to provide a coordinated regional plan for meeting the utility needs of the region.*

Lindah Wind has executed a power purchase agreement with Basin Electric Power Cooperative ("Basin Electric"). Energy will be delivered from the physical point of interconnection (the Lindahl Switching Station) to Basin Electric's membership via infrastructure owned and operated by Burke Divide Electric Cooperative, Mountrail-Williams Electric Cooperative and the Western Area Power Administration ("WAPA"). The power produced by Lindahl Wind, which is located in the Bakken oil production region, will help Basin Electric and its membership meet the demand for electricity resulting from local oil and gas operations.

The Project has executed a System Impact Study Agreement ("SISA") with the WAPA for interconnection to the transmission grid at the Lindahl Switching Station. The SISA states that the Project will be studied as an 'out of queue' request, thereby placing the study process on a fast track, and results are anticipated in the near future.

- (4) *A description of the efforts to involve environmental protection and land-use planning agencies in the planning process, as well as other efforts to identify and minimize environmental problems at the earliest possible stage in the planning process.*

As noted above, Lindahl Wind has engaged the services of a qualified environmental consulting firm to study and identify avoidance and exclusion areas within the potential Project site, in accordance with Chapter 49-22 of the North Dakota Century Code and Chapter 69-06-08 of the North Dakota Administrative Code.

Additionally, Lindahl Wind has consulted and will continue to consult with applicable state and federal agencies, including United States Fish and Wildlife Service, North Dakota Game & Fish Department, and Williams County and other federal, state, and local agencies and officials, to identify, minimize and mitigate any potential impacts to the environment from the construction and operation of the Project. Lindahl Wind will obtain all required permits for the Project, including a conditional use permit from Williams County.

- (5) *A statement of the projected demand for the service rendered by the utility for the ensuing ten years and the underlying assumptions for the projection, with that information being as geographically specific as possible, and a description of the manner and extent to which the utility will meet the projected demands.*

The Project, which is located within the Bakken oil production region, is projected to serve local, state and regional load growth resulting from oil and gas operations. As discussed above, Lindahl Wind has executed a power purchase agreement with Basin Electric for the entire output of the Project.

According to Basin Electric's 2013 Annual Report, Basin Electric's members have increased power obligations to member-consumers, with the increased need centering on "a steady strengthening of the economy and oil and gas development in the Williston Basin in western North Dakota and eastern Montana." Basin Electric's load forecast updates, completed in April 2013, predicted "the cooperative will see more than 1,600 MW of load growth from 2012 through 2025."<sup>1</sup> Additionally, the North American Electric Reliability Corporation's 2014 summer assessment forecast for Basin Electric included 147 MW of projected year-over-year demand growth compared to the 2013 actual summer peak.<sup>2</sup> To meet Basin Electric's expected load growth, Basin Electric's 2013 financial forecast identified a need to invest "more than \$1.2 billion in generation and transmission assets with the greatest portion of that to be spent in the next five years."<sup>3</sup>

Furthermore, increased demand is predicted for the state of North Dakota due to load growth. In 2012, the North Dakota Transmission Authority commissioned a study to forecast future load growth demands due to the increased development in the Bakken oil production region. Based on the modeled load growth projections, North Dakota alone is expected to need an additional 1,830 MW by 2017, 2,400 MW by 2022, 2,769 MW by 2027, and 3,030 MW by 2032.<sup>4</sup>

Thus, the renewable energy produced by Lindahl Wind's proposed Project can be used to meet future local, state, and regional load growth projections and the accompanying need for new generation.

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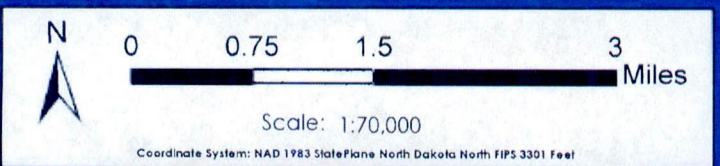
<sup>1</sup> Basin Electric 2013 Annual Report, pg. 15.

<sup>2</sup> NERC, 2014 Summer Reliability Assessment, May 2014, [http://www.eenews.net/assets/2014/05/14/document\\_gw\\_01.pdf](http://www.eenews.net/assets/2014/05/14/document_gw_01.pdf)

<sup>3</sup> Basin Electric 2013 Annual Report, pg. 18.

<sup>4</sup> KLJ, Power Forecast 2012, Williston Basin Oil and Gas Related Electrical Load Growth Forecast <http://www.nd.gov/ndic/ic-press/Power2012.pdf>

# Lindahl Wind Project, LLC - Project Area



Confidential and proprietary information.  
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The following companies and organizations provided data that contributed to the production of this map.

- U.S. Geological Survey (USGS)
- Environmental Systems Research Institute (ESRI)
- U.S. Department of Agriculture (USDA)
- U.S. Federal Aviation Administration (FAA)
- WhiteStar Corporation
- Ventyx Inc.

**Legend**

- Preliminary Array**
  - Primary Turbine
  - Alternate Turbine
- Project Area**

STATE OF NORTH DAKOTA  
PUBLIC SERVICE COMMISSION

Case No. PU-15-\_\_\_


IN THE MATTER OF THE FILING OF A TEN  
YEAR PLAN BY LINDAHL WIND PROJECT,  
LLC

**NOTICE OF FILING TEN YEAR PLAN  
2015-2025**

**PLEASE TAKE NOTICE** that Lindahl Wind Project, LLC, in accordance with Section 49-22-04 of the North Dakota Century Code and Chapter 69-06-02 of the North Dakota Administrative Code, filed a Ten Year Plan for the years 2015 through 2025 with the North Dakota Public Service Commission on June 11, 2015, and with the Williams County Auditor on June 11, 2015.

Dated this 11<sup>th</sup> day of June, 2015.

Fredrikson & Byron, P.A.

By   
MOLLIE M. SMITH, ND Bar #06714  
*Attorneys for Lindahl Wind Project, LLC*  
200 South 6<sup>th</sup> Street, Suite 4000  
Minneapolis, MN 55402  
(612) 492-7270

**CERTIFICATE OF SERVICE**

I, the undersigned, hereby certify that a true and correct copy of the following document:

**NOTICE OF FILING TEN YEAR PLAN: 2015-2025**

was served on the 11<sup>th</sup> day of June, 2015 by placing the same in the United States mail, postage prepaid, properly addressed to the following:

North Dakota Aeronautics Commission  
P.O. Box 5020  
Bismarck, ND 58502-5020

North Dakota Office of Attorney General  
State Capitol  
600 East Boulevard Avenue  
Department 125  
Bismarck, ND 58505

North Dakota Department of Agriculture  
600 East Boulevard Avenue  
Department 602  
Bismarck, ND 58505-0020

North Dakota Department of Health  
600 East Boulevard Avenue  
Bismarck, ND 58505-0200

Department of Human Services  
600 East Boulevard Avenue  
Department 325  
Bismarck, ND 58505-0250

North Dakota Department of Labor  
600 East Boulevard Avenue  
Department 406  
Bismarck, ND 58505-0340

Department of Vocational Education  
c/o Career and Technical Education  
State Capitol, 15th Floor  
600 East Boulevard Avenue, Department 270  
Bismarck, ND 58505-0610

North Dakota Department of Commerce  
1600 East Century Avenue, Suite 2  
P.O. Box 2057  
Bismarck, ND 58503

Energy Infrastructure and Impact Office  
North Dakota Department of Trust Lands  
1707 North Ninth Street  
P.O. Box 5523  
Bismarck, ND 58506-5523

North Dakota Game and Fish Department  
100 North Bismarck Expressway  
Bismarck, ND 58501-5095

North Dakota Industrial Commission  
600 E. Boulevard Avenue, Dept. 405  
Bismarck, ND 58505-0840

Office of Governor Jack Dalrymple  
State of North Dakota  
600 East Boulevard Ave.  
Bismarck, ND 58505-0100

North Dakota Department of Transportation  
608 East Boulevard Ave.  
Bismarck, ND 58505-0700

State Historical Society of North Dakota  
612 East Boulevard Ave.  
Bismarck, ND 58505-0830

North Dakota Indian Affairs Commission  
State Capitol Building  
600 East Boulevard Avenue  
1st Floor, Judicial Wing - Room #117  
Bismarck, ND 58505-0300

Job Service North Dakota  
P.O. Box 5507  
Bismarck, ND 58506-5507

North Dakota Department of Trust Lands  
1707 North Ninth Street  
P.O. Box 5523  
Bismarck, ND 58506-5523

North Dakota Parks and Recreation Department  
1600 East Century Avenue, Suite 3  
Bismarck, ND 58503-0649

North Dakota State Soil Conservation Committee  
c/o NDSU Extension Service  
2718 Gateway Avenue, Suite 104  
Bismarck, ND 58503

North Dakota State Water Commission  
900 East Boulevard Avenue, Department 770  
Bismarck, ND 58505-0850

United States Department of Defense  
1400 Defense Pentagon  
Washington, DC 20301-1400

United States Fish and Wildlife Service  
North Dakota Field Office  
3425 Miriam Avenue  
Bismarck, ND 58501-7926

United States Army Corps of Engineers  
North Dakota Regulatory Office  
1513 South 12<sup>th</sup> Street  
Bismarck, ND 58504

United States Department of Transportation  
Federal Aviation Administration  
800 Independence Avenue SW  
Washington, DC 20591

Williams County Commission  
c/o Beth Innis, Williams County Auditor  
Williams County Courthouse, Ground Floor  
205 East Broadway  
PO Box 2047  
Williston, ND 58802-2047

North Dakota Transmission Authority  
c/o North Dakota Industrial Commission  
State Capitol 14<sup>th</sup> Floor  
600 East Boulevard Ave. Dept. 405  
Bismarck, ND 58505-0840

North Dakota Pipeline Authority  
c/o North Dakota Industrial Commission  
State Capitol 14<sup>th</sup> Floor  
600 East Boulevard Ave, Dept. 405  
Bismarck, ND 58505-0840

  
MOLLIE M. SMITH

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