

July 1, 2022

VIA E-MAIL AND FEDERAL EXPRESS

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

**RE: Discovery Wind, LLC's Ten Year Plan for 2022-2032
Case No. PU-22-_____**

Dear Mr. Kahl:

Enclosed for filing are two copies of the following documents:

1. Discovery Wind, LLC's Ten Year Plan: 2022-2032;
2. Notice of Filing Ten Year Plan: 2022-2032; and
3. Certificate of Service.

Electronic versions of the above-referenced documents and this letter were filed with the Commission today via e-mail.

If you have any questions, please let me know.

Sincerely,



MOLLIE M. SMITH

MMS/bd/76339303
Enclosures

cc: Bill Pedersen (w/ encls. via e-mail)

1 PU-22-292 Filed 07/01/2022 Pages: 12
2022 - 2032 Ten Year Plan
Discovery Wind, LLC
Mollie Smith, Fredrick&Byron, P.A.

STATE OF NORTH DAKOTA

PUBLIC SERVICE COMMISSION

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

Case No. PU-22-___

CERTIFICATE OF SERVICE

Mollie M. Smith, being first duly sworn, does depose and state that on July 1, 2022, she served the following document:

Discovery Wind, LLC's Ten Year Plan: 2022-2032

by placing a true and correct copy of said document in an envelope addressed as follows:

Beth A. Knutson
McLean County Auditor
PO Box 1108
Washburn North Dakota 58577

and depositing the same, with postage prepaid, in the United States mail at Minneapolis, Minnesota.



Mollie M. Smith

TEN YEAR PLAN: 2022-2032

Discovery Wind, LLC

July 2022

In accordance with N.D.C.C. § 49-22-04 and N.D.A.C. Ch. 69-06-02, Discovery Wind, LLC (“Discovery Wind”), submits the following Ten Year Plan for years 2022 through 2032.

- (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.*

Discovery Wind is proposing to develop and construct a wind energy conversion facility known as the Discovery Wind Project (“Wind Project”) and associated 230 kilovolt (“kV”) alternating current (“AC”) generation tie-in transmission line to connect the Wind Project to the grid (“Transmission Line”) (collectively, the “Project”). The Wind Project will have a nameplate capacity up to 426 megawatts (“MW”), delivering up to approximately 400 MW to the grid. The Project will be located in McLean County, North Dakota. The Project area of interest (“AOI”) is generally between the Missouri River and Burleigh County line south of Lake Audubon to just north of Wilton. The Project will interconnect to the grid at the Great River Energy (“GRE”) Dickinson Substation in Minnesota via the existing high voltage direct current (“HVDC”) line from the Rainbow Energy Center (“REC”) (formerly known as the Coal Creek Station). The HVDC line is now owned by Nexus Line, LLC (“Nexus Line”) but will remain operated for an extended period of time by GRE. The Transmission Line will be up to 15 miles in length, fully contained within McLean County, North Dakota, and extend from the Wind Project substation to the AC side of the REC HVDC Substation prior to entry to the HVDC line to Minnesota.

Other than the proposed Wind Project and Transmission Line, Discovery Wind does not have any transmission or generation facilities located in North Dakota. The Project will have an estimated life of greater than 10 years. As such, Discovery Wind does not have any plans to decommission any transmission or generation 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.*

The proposed Project will be located in McLean County, North Dakota. The Project AOI is generally between the Missouri River and Burleigh County line south of Lake Audubon to just north of Wilton. The anticipated route for the Transmission Line will extend west from the Wind Project substation to its planned connection to the AC side of the existing REC HVDC Substation, located in McLean County, North Dakota.

Discovery Wind has retained qualified environmental consulting firms to evaluate the proposed Wind Project site and Transmission Line corridor and route to ensure compliance with the Commission's siting criteria, including the exclusion and avoidance area criteria referenced in N.D.C.C. § 49-22-05.1 and identified in N.D.A.C. Ch. 69-06-08. A map depicting the area of interest for the Wind Project and Transmission Line is attached as **Exhibit A**.

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

Discovery Wind has executed a power purchase agreement ("PPA") with GRE for the entire output of the Project. Energy will be delivered from the Project to the REC HVDC substation and then will be delivered via the existing HVDC line to the grid point of interconnection at the GRE Dickinson Substation near Buffalo, Minnesota. Discovery Wind plans to submit a surplus interconnection request for 400 MW to Midcontinent Independent System Operator, Inc. ("MISO") for the existing Dickinson Substation in Minnesota, owned by GRE.

Discovery Wind has an executed transmission service agreement ("TSA") to deliver power via the HVDC line to GRE. REC has an existing Network Resource Interconnection Service ("NRIS") agreement with GRE at the point of interconnection at the Dickinson Substation in Buffalo, Minnesota. In accordance with FERC Order 807, Discovery Wind has executed a TSA with REC transmission partner, Nexus Line, utilizing capacity made available from the REC NRIS under a MISO surplus interconnection service ("SIS") to make sales to GRE at the interconnection facilities at the Dickinson Substation. Discovery Wind has an executed Surplus Interconnection Service Agreement with REC to free up HVDC line capacity.

- (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.*

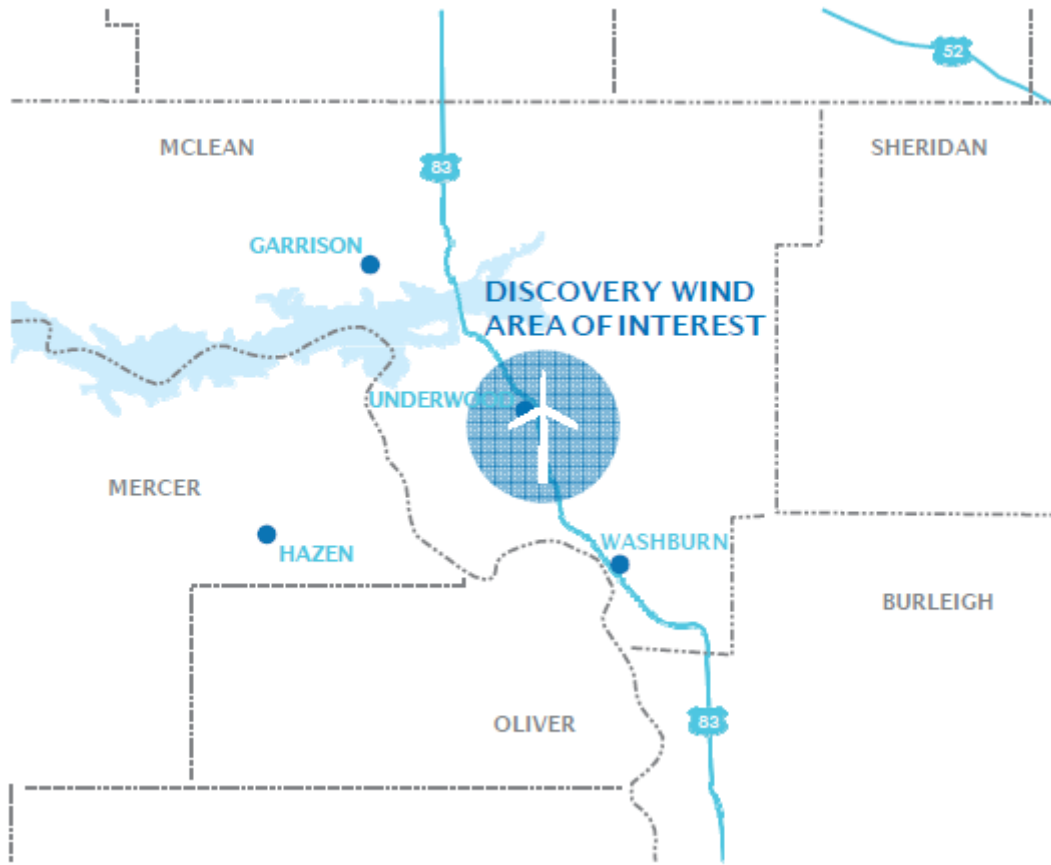
Discovery Wind has engaged the services of qualified environmental consulting firms to study and identify avoidance and exclusion areas within the proposed Wind Project site and Transmission Line corridor and route, in accordance with N.D.C.C. Ch. 49-22 and N.D.A.C. Ch. 69-06-08. Additionally, Discovery Wind has consulted and will continue to consult with applicable state and federal agencies to avoid, minimize, and/or mitigate any impacts to the environment from the construction and operation of the Project. Discovery Wind has been and will continue to work with McLean County and the associated townships to ensure conformance with local land use regulations.

- (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.*

As discussed above, Discovery Wind has a power purchase agreement with GRE for the entire output of the Project, which was approved by GRE's membership. The renewable energy

produced by the Discovery Wind's Wind Project and transmitted to the grid via Discovery Wind's Transmission Line will fulfill a significant portion of the renewable energy needs for GRE's power supply transition.

Exhibit A



STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION

**IN THE MATTER OF THE FILING OF A
TEN YEAR PLAN BY DISCOVERY
WIND, LLC**

Case No. PU-22-____

**NOTICE OF FILING TEN YEAR PLAN
2022-2032**

PLEASE TAKE NOTICE that Discovery Wind, LLC, in accordance with N.D.C.C. § 49-22-04 and N.D.A.C. Ch. 69-06-02, filed a Ten Year Plan for the years 2022 through 2032 with the North Dakota Public Service Commission on July 1, 2022, and the McLean County Auditor on July 1, 2022.

Dated this 1st day of July, 2022.

FREDRIKSON & BYRON, P.A.



By _____

MOLLIE M. SMITH, ND Bar #06714
Attorney for Discovery Wind, LLC
200 South Sixth Street, Suite 4000
Minneapolis, MN 55402-1425
(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: 2022-2032

was served on the 1st day of July, 2022 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
600 E. Boulevard Ave.
Dept. 125
Bismarck, ND 58505

North Dakota Department of Agriculture
600 E. Boulevard Ave.
Dept. 602
Bismarck, ND 58505-0020

North Dakota Department of Health
600 E. Boulevard Ave.
Bismarck, ND 58505-0200

North Dakota Department of Human Services
600 E. Boulevard Ave.
Dept. 325
Bismarck, ND 58505-0250

North Dakota Department of Labor and Human Rights
600 E. Boulevard Ave.
Dept. 406
Bismarck, ND 58505-0340

North Dakota Department of Career and Technical Education
State Capitol, 15th Floor
600 E. Boulevard Ave., Dept. 270
Bismarck, ND 58505-0610

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

Energy Infrastructure and Impact Office
North Dakota Department of Trust Lands
1707 North 9th Street
P.O. Box 5523
Bismarck, ND 58506-5523

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

North Dakota Industrial Commission
State Capitol, 14th Floor
600 East Boulevard Ave., Dept. 405
Bismarck, ND 58505-0840

Office of Governor Doug Burgum
State of North Dakota
600 E. Boulevard Ave.
Bismarck, ND 58505-0001

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

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

North Dakota Indian Affairs Commission
State Capitol Building
600 E. Boulevard Ave.
1st Floor - Judicial Wing, Rm. #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 9th Street
P.O. Box 5523
Bismarck, ND 58506-5523

North Dakota Parks and Recreation Department
Century Center
1600 E. Century Ave., Suite 3
PO Box 5594
Bismarck, ND 58506-5594

Natural Resources Conservation Service
North Dakota NRCS State Office
220 East Rosser Avenue
Federal Building, Room 270
Bismarck, ND 58501

North Dakota State Water Commission
900 E. Boulevard Ave., Dept. 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
3319 University Drive
Bismarck, ND 58504

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

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

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

North Dakota Department of Environmental Quality
4201 Normandy Street
Bismarck, ND 58503-1324

North Dakota Geological Survey
600 East Boulevard Avenue,
Bismarck ND 58505-0840

North Dakota Forest Service
State Headquarters - Molberg Center
307 - 1st Street East
Bottineau ND 58318-1100

Federal Bureau of Land Management
Montana/Dakotas State Office
5001 Southgate Drive
Billings, MT 59101

Military Aviation and Installation Assurance Siting Clearinghouse
3400 Defense Pentagon, Room 5C646
Washington, DC 20301 – 3400

20th Airforce 91st Missile Wing
c/o Colonel Christopher Menuey
Minot AFB, ND 58705-5006

Minot Air Force Base
c/o Laura E. Seabeneck, Community Planner
445 Peacekeeper Place
Minot AFB, ND 58705-5006

Grand Forks Air Force Base
319th Air Base Wing Public Affairs Office
701 Eielson St, Bldg 607 Rm 211
GFAFB ND 58204

McLean County Board of Commissioners
P.O. Box 1108
Washburn, North Dakota 58577

A handwritten signature in cursive script that reads "Mollie M. Smith".

MOLLIE M. SMITH