

June 29, 2020

VIA E-MAIL

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

**RE: Garrison Butte Wind, LLC's Ten Year Plan for 2020-2030
Case No. PU-20-_____**

Dear Mr. Kahl:

Attached for filing are electronic copies of the following documents:

1. Garrison Butte Wind, LLC's Ten Year Plan: 2020-2030;
2. Notice of Filing Ten Year Plan: 2020-2030; and
3. Certificate of Service.

If you have any questions, please let me know.

Sincerely,



MOLLIE M. SMITH

MMS/rg
Enclosures

cc: Bob Evans (w/ encl., via e-mail)

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TEN YEAR PLAN: 2020-2030
Garrison Butte Wind, LLC

June 2020

In accordance with N.D.C.C. § 49-22-04 and N.D.A.C. Ch. 69-06-02, Garrison Butte Wind, LLC (“Garrison Butte”), submits the following Ten Year Plan for years 2020 through 2030.

- (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.*

Garrison Butte is a Delaware limited liability company, authorized to do business in the State of North Dakota. Garrison Butte is developing an up to 165 megawatt (“MW”) wind energy conversion facility known as the Garrison Butte Wind Project (“Wind Project”) and an associated 230-kilovolt (“kV”) transmission line to connect the Wind Project to the grid (“Transmission Line”). The Wind Project will be located in northeastern Mercer County, North Dakota. The proposed Transmission Line would be approximately 20 miles in length and extend from the Wind Project substation to the Stanton Station Substation, owned and operated by Great River Energy (“GRE”). Garrison Butte plans to commence construction of the Wind Project and Transmission Line in late 2021 and achieve commercial operation by the end of 2022.

Other than the Wind Project and Transmission Line, Garrison Butte does not have any generation or transmission facilities located in North Dakota, and the projects will have an estimated life of greater than 10 years. As such, Garrison Butte does not have any plans to decommission any generation or transmission 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, Garrison Butte is pursuing development of the above-referenced Wind Project and Transmission Line and proposes to have both projects constructed and in-service by the end of 2022. The proposed Wind Project footprint is located in Mercer County, North Dakota. The proposed route for the Transmission Line extends from the Wind Project substation to its planned point of interconnection at GRE’s Stanton Station Substation, also located in Mercer County, North Dakota

Garrison Butte will design the proposed Wind Project and Transmission Line to ensure compliance with 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. Maps depicting the proposed site for the Wind Project and the proposed corridor and route for the Transmission Line are provided in **Exhibit A**, attached hereto.

- (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.*

Garrison Butte is in the process of identifying an offtaker for the Wind Project's output; however, Energy produced by the Wind Project may help regional utilities to meet renewable energy needs. Throughout the development of the Wind Project and Transmission Line, Garrison Butte has coordinated and will continue to coordinate with the Midcontinent Independent Transmission System Operator ("MISO") and GRE regarding interconnection, with the goal of entering into a generator interconnection agreement for the Wind Project. Garrison Butte filed an interconnection application for up to 151.8 MW with MISO on March 12, 2018 and was assigned project identification number J1187 in the DPP-2018-APR West Study Group in the MISO West queue. MISO released the Draft Phase 1 Study results for the DPP-2018-APR study cycle in February 2020. The results identified the estimated Network Upgrades required by J1187 and identified the amount that Garrison Butte would need to pay as part of the Milestone 3 payment to MISO to stay in MISO West queue. Garrison Butte has paid the Milestone 3 payment and is currently in the Phase 2 study group. MISO's current June 1st, 2020 calendar from their website lists December 4, 2020 as the completion date for DPP Phase 2.

- (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.*

Garrison Butte 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. Garrison Butte has consulted with applicable local, state, and federal agencies and entities in connection with siting and development of the Wind Project and Transmission Line to avoid, minimize, and/or mitigate potential environmental impacts. Additionally, Garrison Butte will ensure the Wind Project and Transmission Line meet applicable 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, Garrison Butte is in the process of identifying an offtaker for the Wind Project's output. However, the Wind Project is anticipated to meet regional demand for electricity. In addition, energy produced by the Project may help local utilities to continue to meet applicable renewable energy goals and/or standards.

In 2010, the North Dakota Department of Commerce, EmPower ND Commission, published the Comprehensive State Energy Policy 2010-2025, which recommended a capacity of

wind generation up to 5,000 MW by 2020.¹ The state had a total of 3,155 MW of installed wind capacity at the end of 2018.²

In 2007, the North Dakota Legislature enacted a statutory provision adopting the national "25x'25" initiative, which establishes a goal of having not less than twenty-five percent of the total energy consumed within the United States come from renewable resources by January 1, 2025.³ Additional renewable resources will be needed to meet the 25x'25 initiative.

A need also exists for renewable energy produced in North Dakota to meet state renewable portfolio standards. Eleven of the Midcontinent Independent System Operator ("MISO") states currently have either mandated or voluntary renewable portfolio standards or policies.⁴ Under current state standards, total United States renewable portfolio standard demand will increase from 310 terawatt hours ("TWh") in 2019 to 600 TWh in 2030.⁵ Given existing renewable energy capacity, an additional 230 TWh increase in renewable resources will be required to meet demand through 2030.⁶ In addition, the regional transmission grid is being expanded to deliver wind generation in a cost-effective manner; specifically, MISO's Multi-Value Project ("MVP") Portfolio enables 41 million megawatt hours ("MWh") of wind energy per year to meet renewable energy mandates and goals.⁷

In summary, the renewable energy produced by Garrison Butte's proposed Wind Project and transmitted to the grid via Garrison Butte's proposed Transmission Line will help meet the national 25 x '25 initiative and the regional need for renewable energy.

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¹ North Dakota Department of Commerce. Undated. EmPower North Dakota. Comprehensive State Energy Policy 2010-2025. Accessed online June 1, 2020. Retrieved from <https://commerce.nd.gov/>.

² U.S. Department of Energy. 2018. 2018 Wind Technologies Market Report. Accessed online June 1, 2020. Retrieved from <https://www.energy.gov/eere/wind/downloads/2018-wind-technologies-market-report>.

³ See N.D.C.C. § 17-01-01.

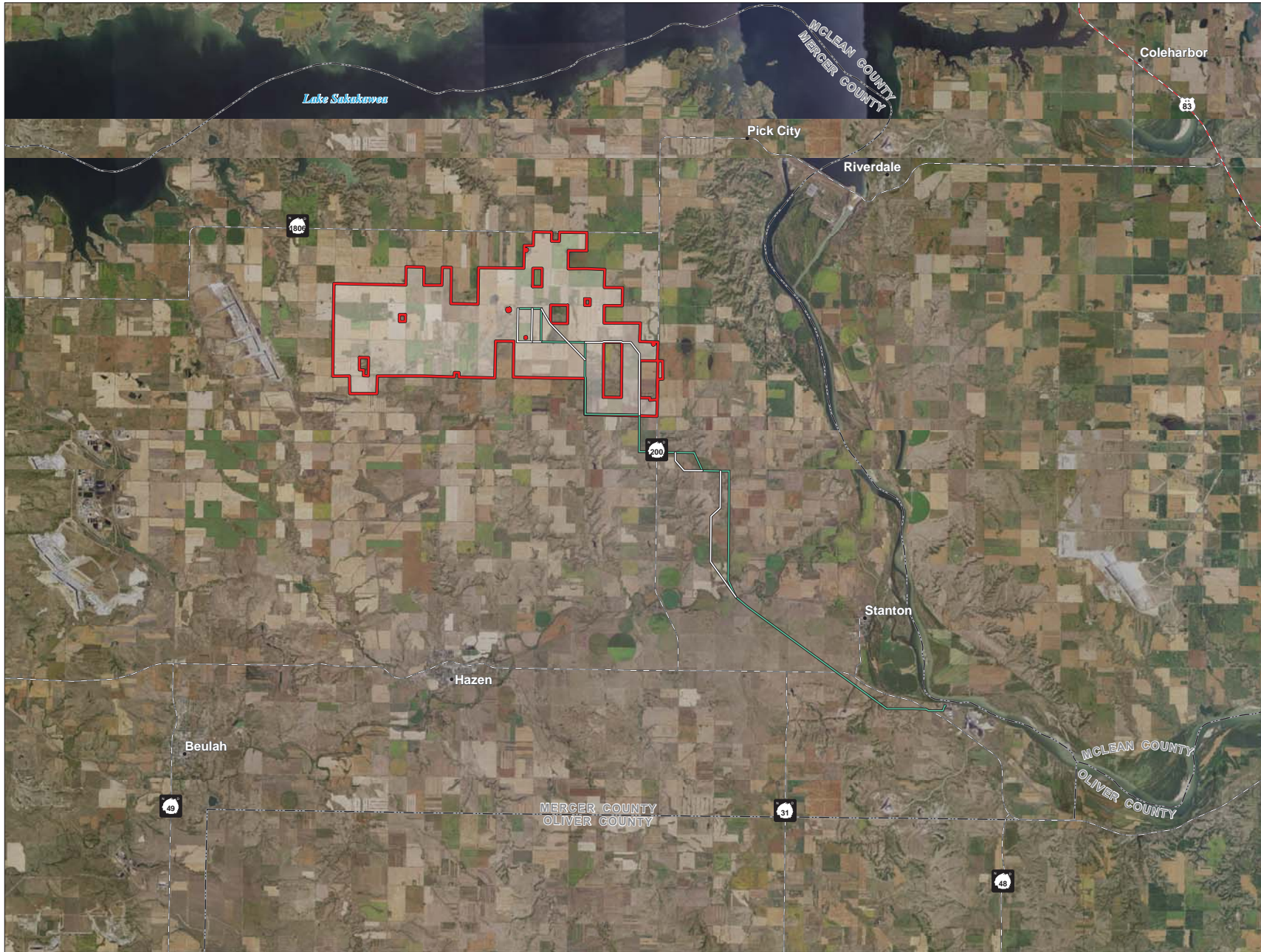
⁴ *MTEP18 MISO Transmission Enhancement Plan*, at 182.

⁵ Lawrence Berkeley National Laboratory, *U.S. Renewable Portfolio Standards 2019 Annual Status Report* (July 2019), at 24.

⁶ *Id.* at 26.

⁷ *MTEP18 MISO Transmission Enhancement Plan*, at 42.

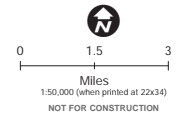
EXHIBIT A



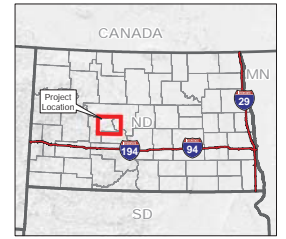
Garrison Butte Wind Energy Project Mercer County, ND

Figure 1
Vicinity Map

- Legend**
- Proposed Transmission Line (06/17/2020)
 - Proposed Transmission Line Alternatives (06/17/2020)
 - Project Area (06/18/2020)
- Transportation**
- U.S. Highway
 - State Highway



Revised: 6/19/2020
Path: P:\0951_Garrison_Butte\GIS\Layouts\Windfarm_CUP_Figure01Project_Vicinity_Map.mxd



STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION

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


Case No. PU-20-____

**NOTICE OF FILING TEN YEAR PLAN
2020-2030**

PLEASE TAKE NOTICE that Garrison Butte 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 2020 through 2030 with the North Dakota Public Service Commission on June 29, 2020, and the Mercer County Auditor on June 29, 2020.

Dated this 29th day of June, 2020.

FREDRIKSON & BYRON, P.A.

By 
MOLLIE M. SMITH, ND Bar #06714
Attorney for Garrison Butte 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: 2020-2030

was served on the 29th day of June, 2020 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, Room 107
Bismarck, ND 58505-0340

North Dakota Department of Career and Technical Education
State Capitol, 15th Floor
600 E. Boulevard Ave.
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

North Dakota State Soil Conservation Committee
c/o NDSU Extension Service
2718 Gateway Ave., Suite 304
Bismarck, ND 58503

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

Mercer County Commission
PO Box 39
Stanton, ND 58571-0039



MOLLIE M. SMITH

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STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION

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

Case No. PU-20-____

CERTIFICATE OF SERVICE

Mollie M. Smith, being first duly sworn, does depose and state that on June 29, 2020, she served the following document:

Ten Year Plan: 2020-2030

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

Ms. Shana Brost
Mercer County Auditor
P.O. Box 39
Stanton, ND 58571-0039

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



Mollie M. Smith
Mollie M. Smith