

October 3, 2022

Via Electronic Mail & Hand Delivery

Mr. Steve Kahl
Executive Director
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480
ndpsc@nd.gov

**In re: Final Tree and Trub Mitigation Report
Emmons-Logan Wind, LLC
Emmons-Logan Wind Energy Center
Case No. PU-18-280
Emmons-Logan Wind Interconnection, LLC
Emmons-Logan Wind 230 kV Transmission Line
Case No. PU-18-281
Our File No. 090532-000007**

Dear Mr. Kahl:

On behalf of Emmons-Logan Wind, LLC and Emmons-Logan Wind Interconnection, LLC (collectively, "Emmons-Logan Wind"), please find enclosed Emmons-Logan Wind's Final Tree and Shrub Mitigation Report for filing in the above-referenced matters.

Please feel free to contact me with any questions. Thank you.

Sincerely,

/s/ Casey A. Furey

Casey A. Furey

Encl.

cc: Tracy Davis (via email)
Victor Schock (via email)

124 PU-18-281 Filed 10/03/2022 Pages: 3
Final Tree and Shrub Mitigation Report
Emmons-Logan Wind, LLC / Emmons-Logan Wind Interconnection, LLC
Casey Furey, Crowley Fleck, PLLP

BILLINGS BISMARCK BOZEMAN BUTTE CASPER CHEYENNE HELENA KALISPELL MISSOULA SHERIDAN WILLISTON

C R O W L E Y F L E C K . C O M

193 PU-18-280 Filed 10/03/2022 Pages: 3
Final Tree and Shrub Mitigation Report
Emmons-Logan Wind, LLC / Emmons-Logan Wind Interconnection, LLC
Casey Furey, Crowley Fleck, PLLP

**Emmons-Logan Wind, LLC
Emmons-Logan Wind Interconnection, LLC
700 Universe Blvd.
Juno Beach, FL 33408**

September 30, 2022

Mr. Steve Kahl
Executive Director
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480
ndpsc@nd.gov

RE: Final Tree and Shrub Mitigation Report
Emmons-Logan Wind, LLC
Case Nos. PU-18-280 and PU-18-281

Dear Mr. Kahl,

Below is the final Tree and Shrub Inventory and Mitigation/Replacement Report for Emmons-Logan Wind, LLC's Emmons-Logan Wind Energy Center and Emmons-Logan Wind Interconnection, LLC's associated 230 kV Transmission Line (collectively, the "projects"), which were sited in Case Nos. PU-18-280 and PU-18-281, respectively, and which are located in Emmons and Logan counties.

The Tree and Shrub Mitigation Specifications for the projects required Emmons-Logan Wind, LLC and Emmons-Logan Wind Interconnection, LLC (collectively "Emmons-Logan Wind") to replant at a 2:1 ratio. A total of 733 trees and shrubs were removed from the project area and transmission line corridor during construction, and therefore, a total of 1466 trees and shrubs was required to be replanted pursuant to the Tree and Shrub Mitigation Specifications. Emmons-Logan Wind planted 200 additional shrubs in order to increase the likelihood of survival, for a total planting of 1666 trees and shrubs. Planting occurred in June 2020. Emmons-Logan Wind's consultant, Environmental Consulting & Technology, Inc. ("ECT") conducted monitoring in September 2020, and as a result of that monitoring, Emmons-Logan Wind planted an additional 408 trees and shrubs in the spring of 2021. To date, the replanting effort has met a 58.80% survival rate (see below inventory).

Table 1. Success of Tree and Shrub Plantings for Years 1 through 3

Landowner	Years 1 through 3 Monitoring Results							
	Date of Visit	Year 1 Success	Year 2 Success	ECT Year 3 Replant	Total ^a	Fail	Success	Year 3 Percent Success
Terry Weigel	9/20/2022	216	197	0	197	53	144	73.10
Scott Vetter	9/20/2022	50	123	0	123	84	39	31.71
Dennis Weigel	9/20/2022	15	18	0	18	5	13	72.22
Charleen Weigel	9/20/2022	81	81	0	309 ^b	101	208	67.31
Justin Weigel	9/20/2022	33	96	0	383 ^c	48	335	87.47
Brian Leier	9/20/2022	45	37	0	37	36	1	2.70
Kevin Leier	9/20/2022	30	15	0	15	15	0	0.00
Tom Bernhardt	9/20/2022	12	18	0	44 ^d	3	41	93.18
Mike Appert	9/20/2022	445	28	0	492 ^e	411	81	16.46
	Total	927	532	0	1,618	756	862	53.28
	Total Required per PSC				1,466	NA	862	58.80

^a Based on Year 2 survival, unless otherwise noted.

^b Additional trees likely planted by landowner. Total number of trees recorded based on what appeared recently planted compared to trees established prior to Year 1.

Emmons-Logan Wind submits that the replanting effort has successfully achieved the purpose of Emmons-Logan Wind’s Mitigation Plan, in particular given the drought conditions that have been experienced in the project area since the planting occurred in June 2020. Specifically, the preceding and ensuing six months before and after planting saw unusually low precipitation in the area, resulting in adverse growing conditions to the trees and shrubs during a critical time in their initial growth. To give the trees and shrubs a better chance of survival, Emmons-Logan Wind’s consultant, ECT, added supplemental nutrient-rich potting soil and a synthetic moisture retaining polymer around the roots during the planting of each tree or shrub in Year 1 and Year 2. Landowners receiving trees and/or shrubs were advised to provide supplemental watering to increase survivability. Additionally, after July 2021 precipitation data was reviewed, ECT conducted a supplemental watering effort for all plantings in August 2021, in an attempt to supplement the low precipitation experienced in Year 2.

Sincerely,

/s/ Chase Dauenhauer
 Chase Dauenhauer
 Regional Wind Site Manager
 NEXtera™ Energy Resources

Emmons-Logan Wind, LLC
 Emmons-Logan Wind Interconnection, LLC