

400 North Fourth Street  
Bismarck, ND 58501  
(701) 222-7900

September 12, 2017

Executive Secretary  
North Dakota Public Service Commission  
State Capitol Building  
600 E. Boulevard, Dept. 408  
Bismarck, ND 58505

Re: Thunder Spirit Wind Project  
Tree & Shrub Inventory Report  
Case No. PU-15-592

Montana-Dakota Utilities Co. (Montana-Dakota), a Division of MDU Resources Group Inc., herewith submits an electronic copy of its Tree and Shrub Inventory Report in compliance with the Commission's Order in the above referenced case and in conjunction with the Tree and Shrub Mitigation Specifications issued in Case No. PU-11-601. A total of 165 trees and shrubs were planted in May of 2017 as shown on Attachment A. The Tree and Shrub Planting Plan and Record documents provided by the Natural Resources Conservation Service are also attached and marked as Attachment B. The first year survival rate will be reported by October 1, 2018.

Please contact me at 701.222.7856 or [tamie.aberle@mdu.com](mailto:tamie.aberle@mdu.com) if you have any questions.

Sincerely,



Tamie A. Aberle  
Director of Regulatory Affairs

Attachments

**Thunder Spirit Wind Project  
Tree Mitigation Summary**

Trees/Shrubs	Removed 1/	Replanted 2/	Survival			Tree	Shrub
			1st yr	2nd yr	3rd yr		
Western Snowberry	34						x
Common Snowberry	3						x
Chokecherry	7	5				x	
Siberian Elm	10					x	
Unknown Willow	8					x	
Green Ash	4					x	
Eastern Cottonwood	3					x	
Ponderosa Pine		102				x	
Scotch Pine		27				x	
Rocky Mountain Juniper		17				x	
Lilac		6					x
Crabapple		1				x	
Dogwood		2				x	
Plum		1					x
Blue Spruce		2				x	
Bur Oak		2				x	
	<hr/>	<hr/>					
	69	165					
Trees Removed	32						
Trees Planted	158						
Shrubs Removed	37						
Shrubs Replanted	7						
Total Required	138						
Total Planted	165						

1/ Tree and Shrub Inventory Report submitted on July 27, 2016 in Case No. PU-15-592.

2/ Replanted at the following locations:

Erickson - 304 4th Ave SE Hettinger

Ehlers- 1104 2nd St NW Hettinger

Christman - 704 8th St NE Hettinger

Remaining 2 landowners declined to participate.



Handplants

### Tree and Shrub Planting Plan and Record

Name Jerry Ehlers Address 1104 2nd ST NW Hettinger ND 58639 Phone 701-567-4138

SW 1/4 23 131 96  
Quarter Sec Twp Range



Planned by: \_\_\_\_\_ Planted by: Ehlers  
Date: \_\_\_\_\_ Date: 4/26/17

F/Stead x ; Field \_\_\_\_\_ ; W/Life \_\_\_\_\_  
S/Fallow \_\_\_\_\_ ; if other, specify type of  
land preparation \_\_\_\_\_

New Planting x ; Replants \_\_\_\_\_  
(Indicate date of original  
planting) \_\_\_\_\_

CRP \_\_\_\_\_ ; EQIP \_\_\_\_\_ ; CO-0 \_\_\_\_\_  
Other (Indicate) \_\_\_\_\_ MDU \_\_\_\_\_

Between the row spacing \_\_\_\_\_

Soil Type E0837B Suitability Group 4

Protected from Grazing y (Yes, No)

Distance from Road and/or Buildings \_\_\_\_\_

Condition of site  
at planting time: Good  
(Good, Fair, Poor)

Approved yes (Yes, No) Date \_\_\_\_\_  
By: \_\_\_\_\_ Title \_\_\_\_\_

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting	Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
							Ponderosa Pine		20	20	
							Common chokecherry		5	5	
							Lilac		6	6	
							Crabapple		1	1	
							Dogwood		2	2	
							Plum		1	1	
							Blue Spruce		2	2	
							Bur Oak		2	2	
							60' weed barrier fabric				
							36 Staples				

U.S. Department of Agriculture  
Natural Resources Conservation Service

ND-CPA-4  
Revised May 2003

### Tree and Shrub Planting Plan and Record

Name Tyler Erickson Address 304 4th AVE SE Hettinger ND 58639 Phone 701-928-1494



SW 1/4 29 129 95  
Quarter Sec Twp Range

Planned by: sw Planted by: Min Cupina  
Date: 12/05/16 Date: 5/18/2017

F/Stead x; Field \_\_\_\_\_; W/Life \_\_\_\_\_  
S/Fallow \_\_\_\_\_; if other, specify type of  
land preparation \_\_\_\_\_  
New Planting x; Replants \_\_\_\_\_  
(Indicate date of original  
planting) \_\_\_\_\_

CRP \_\_\_\_\_; EQIP \_\_\_\_\_; CO-0 \_\_\_\_\_  
Other (Indicate) \_\_\_\_\_ MDU \_\_\_\_\_

Between the row spacing 18

Soil Type E1625B Suitability Group 6d

Protected from Grazing y (Yes, No)

Distance from Road and/or Buildings 125

Fabric: 5/23/2017

Approved YES (Yes, No) Date 5/24/2017  
By: Shawn Erickson Title DIST TECH

Condition of site  
at planting time: Good  
(Good, Fair, Poor)

Field No	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting	Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record (State how weed control is to be accomplished; - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
	262	294			1		Ponderosa Pine	10	27	27	Weedbarrier fabric on all rows  Revised as recently variance would have been needed for location B site A would need variance to field so Tyler moved site some field just farther north. 5/20
	262	282			2		Scotch Pine	10	27	27	
	137	148			3		RM Juniper	8	17	17	
	661	724							71	71	



CTA

Date: 6/2/2017

Customer(s): TYLER ERICKSON  
District: ADAMS COUNTY SOIL CONSERVATION DISTRICT

Field Office: HETTINGER SERVICE CENTER  
Agency: USDA-NRCS  
Assisted By: WILLIAM PEYTON



Prepared with assistance from USDA-Natural Resources Conservation Service

**Legend**

● Erickson\_Trees\_pts

**Resource Inventory (Line)**

**LABEL**

\* \* Trees

□ Adams PLSS

