

# Tree and Shrub Planting Report

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**PUBLIC SERVICE COMMISSION**

**Langdon  
Wind Energy Center**

Prepared for:

**NEXTERA ENERGY RESOURCES**  
Langdon Wind, LLC  
ND PSC Case Number: PU-07-26 (Wind Farm)

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Tree and shrub planting report

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## **1.0 Introduction & Background**

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The Langdon I Wind Energy Center (Project) was completed in 2007 in Cavalier County, North Dakota, within portions of Township 161N, Range 59W, Township 160N, Range 59W, Township 160N, Range 60W, Township 159N, Range 59W, and Township 159N, Range 60W. The Project is operated by Langdon Wind, LLC (Langdon Wind), a subsidiary of NextEra Energy Resources, LLC, and comprises a 118.5-megawatt (MW) wind generation plant. The Project is under the jurisdiction of the North Dakota Public Service Commission (PSC). Its construction required the removal of trees and shrubs within Project rights-of-way.

The PSC approved a Tree and Shrub Replacement Plan for this project in 2011. This report documents the number, species, location and date of planting for the trees and shrubs planted in 2011 for this Project. Please refer to the Tree and Shrub Mitigation Plan for other background details.

Langdon Wind retained Tetra Tech EC, Inc. (Tetra Tech) and Wenck Associates, Inc. (Wenck) to assist in field checks and documentation of the planting.

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## 2.0 Planting Record

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The total number of trees and shrubs removed for the Project was 24; the total number to be replaced is 48 based on the 2:1 replacement requirement. At the end of three years, 75% of these planted trees, or 36, will be required to have survived to meet the obligations of the PSC.

One landowner within the Project area requested replacement on their property. Tree and shrub choices and planting locations were coordinated with Kathy Jordan of the Cavalier County Soil Conservation District (SCD) and are described in detail in the Tree and Shrub Replacement Plan for the Project.

The planting was installed May 2011 in Section 12, Township 160N, Range 61W by the Cavalier County SCD (**Table 1**). Weed barrier fabric was installed for the pine trees. Trees were 2-year-old saplings (8-15 inch size). A total of 99 trees were planted, which was more than the required number.

**Table 1. Planting Records by Landowner and Location**

Landowner	Number of Replacement Trees Planted	Tree/Shrub Species Planted	Weed Fabric (feet)	Date Planted	Comments
Waslaski Family (Kevin & Wendy, Roger, Doug)	31	Ponderosa Pine	375	5/25/11	T160N, R61W, Section 12, SW ¼, bordered by 101 <sup>st</sup> Ave to the west. Planted to the west of the farmyard parallel to other windbreak plantings. Weed barrier fabric was installed for pine only.
	68	Common Lilac	0		
<b>TOTAL</b>	<b>99</b>				<b>Exceeds requirement of 2:1 planting ratio.</b>