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Attachment H

Residence Survey Memo



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Longspur conducted a receptor survey for adhering to setbacks and requirements. Longspur is providing the strategy, methods, and reasoning for the determinations.



MEMO

Date:

January 28, 2026

To:

Alex Luman, Minnesota Power

From:

Mandy Bohnenblust, Merjent, Inc.

Subject:

Residence Survey Memo
Longspur Wind Energy Project

Minnesota Power is proposing the Longspur Wind Project in Morton and Mercer Counties, North Dakota (Project).

The North Dakota Public Service Commission (ND PSC) requires distance and sound-level setbacks from occupied residences. To identify occupied residences within one-mile of the Project Boundary, Merjent Inc. (Merjent) used a variety of desktop review methods to analyze potential receptors within the Project boundary plus a one-mile buffer (Survey Area). Each receptor was identified initially via a desktop review using aerial imagery, Google Street View (if available), Google Earth, USA Structures Database (FEMA) and any other available sources such as plats or county parcel data. The desktop assessment identified 409 receptors, which were field verified.

Following the desktop review, Merjent conducted a field survey in September and October 2024 to document potential receptors within the Survey Area. The field survey included a visit to each potential receptor identified during the desktop analysis and included a review of roads within the Survey Area for potential receptors not identified during the desktop analysis. The visit to each potential receptor was conducted via public roads using a variety of tools to view the structure or site including the use of binoculars and different vantage points. Receptor data was reviewed and collected using a handheld GPS device to record and document receptor data including notes on if the receptor is “occupied,” “unoccupied,” or “undetermined.” Notes were collected for receptors that were documented as “occupied” and “undetermined” to indicate if the structure is a one-story or two-story building. Structures were further categorized as residences, schools, church, or other.

Of the 417 receptors, 36 were occupied, 243 were unoccupied, and 93 were presumed occupied. 28 receptors with an undetermined occupancy status, land agents assisted with occupancy determination. Merjent did not contact any landowners as part of this task. Seventeen receptors had limited visibility due to obstructions such as trees, barns, or topography and were assumed to be potentially occupied.

Minnesota Power staff conducted a follow-up review of receptors with an “undetermined” occupancy status during October 2025. This review included direct communication with landowners to clarify whether structures were occupied or unoccupied. Landowners confirmed the use of each building, and Minnesota Power staff documented and signed off on the updated

occupancy status. Several receptors were reclassified after determining that the structures were agricultural buildings, such as grain bins, or other outbuildings located at a substantial distance from any residence and therefore did not meet the criteria for an occupied receptor.