

Petition MI-09-01 Wind Farm Special Use Permit
Exhibit U
Submitted 04/24/09
Supplemental Setback Illustration

The Applicant proposed that all turbines would be a minimum of 437-feet as measured from the center of the turbine from roads, railroads, overhead power or communication lines, and non-participating property boundaries. For ease of measurement, Planning and Zoning staff asked that the measurement be taken from the exposed edge of the tower instead of the center of the tower. Since the edge of the tower is 8-feet from the center of the tower, the Applicant clarifies its proposal to 429-foot minimum setback from roads, railroads, overhead power and communication lines, and non-participating property boundaries as measured from the edge of the tower.

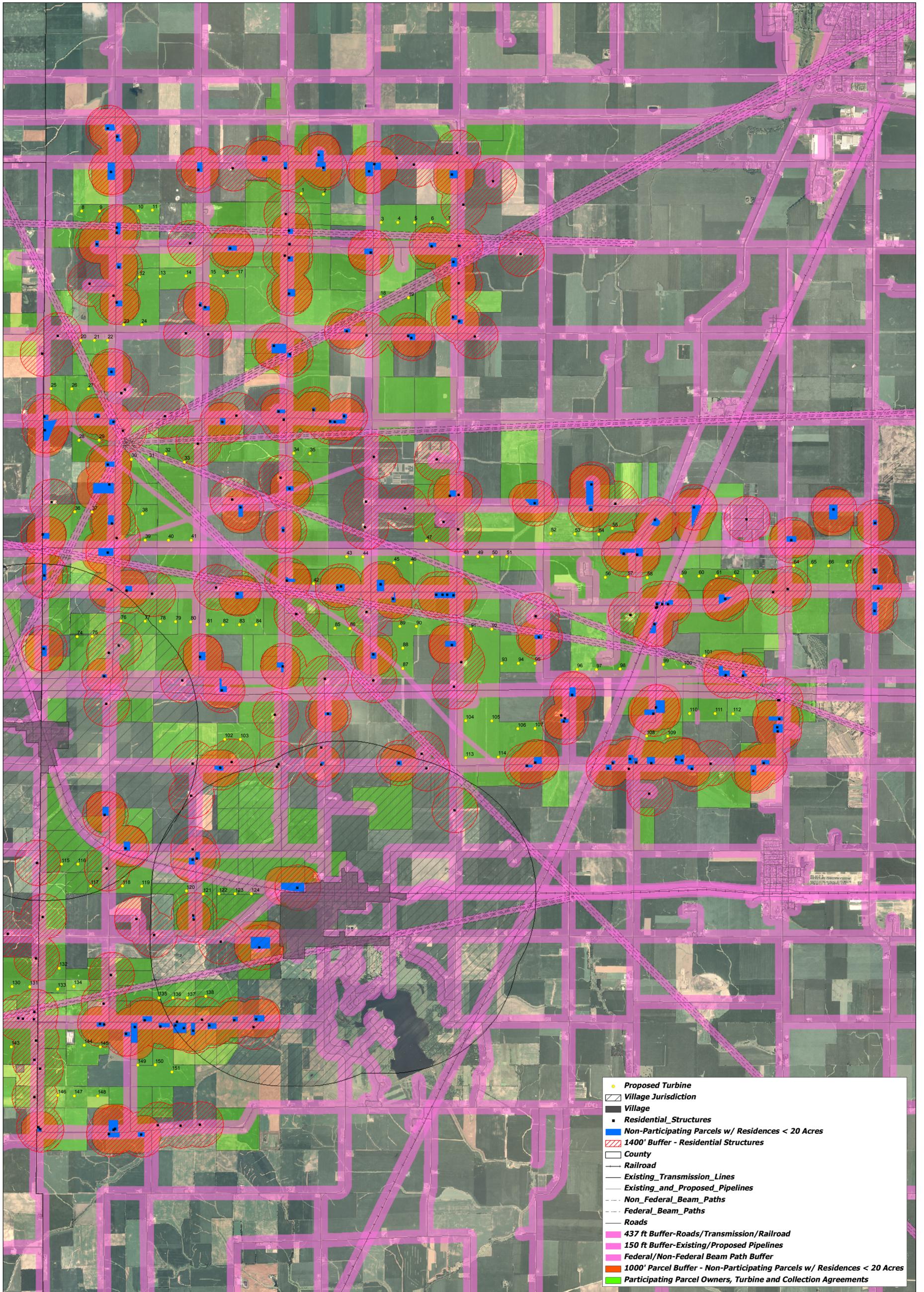
In addition, Planning and Zoning staff requested supplemental information about the possibility that some non-participating adjacent properties, primarily in residential use, might have a wind turbine as close as 429-feet from the property boundary.

In response to this request, the attached supplemental version of the previously filed turbine location map shows, for properties of non-participating landowners of 20-acres or less, with a residence on the property, the nearest turbine is at least 1,000 feet from the boundary of the property and in most cases much further. The nearest wind turbine is at least 1,400 feet away from their homes and on average 1,800 feet away or further.

On the attached map non-participating properties of 20-acres or less with residences are shown in blue. The aerial photography background clearly shows that properties larger than 20-acres are primarily in agricultural use. The 1,000-foot boundary around the parcels 20-acre or smaller is shown in a red diagonal pattern. The solid red areas show the 1,400-foot minimum setback from all homes. The pink areas are setbacks from roads, pipelines, rails, and microwave beam paths. The black dots are homes. The numbered yellow dots are wind turbines. The areas within the black diagonal patterns are the jurisdictions of the Villages of Lee and Shabbona.

NextEra Energy Resources - Lee-DeKalb Project

1000' Buffer Around Residences Less Than 20 Acres
 1400' Buffer Around All Residential Structures
 437' Buffer Around Roads/Transmission/Railroad
 150' Buffer Around Existing or Proposed Pipeline
 150' Buffer Around Existing or Proposed Pipeline
 Federal and Non-Federal Beam Path Setbacks



- Proposed Turbine
- ▭ Village Jurisdiction
- Village
- Residential_Structures
- Non-Participating Parcels w/ Residences < 20 Acres
- ▭ 1400' Buffer - Residential Structures
- ▭ County
- Railroad
- Existing_Transmission_Lines
- Existing_and_Proposed_Pipelines
- Non_Federal_Beam_Paths
- Federal_Beam_Paths
- Roads
- ▭ 437 ft Buffer-Roads/Transmission/Railroad
- ▭ 150 ft Buffer-Existing/Proposed Pipelines
- ▭ Federal/Non-Federal Beam Path Buffer
- ▭ 1000' Parcel Buffer - Non-Participating Parcels w/ Residences < 20 Acres
- ▭ Participating Parcel Owners, Turbine and Collection Agreements

