

RIVERBEND WIND ENERGY FACILITY



Exhibit A-1.6 CHANGES

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EXHIBIT A-1.6 – CHANGES

A-1.6.a – Provide a map and description of any known potential modifications or variations in the proposed site plan that are being considered at the time of filing and that will be finalized prior to construction.

The Applicant anticipates the following potential non-minor change:

- Main Power Transformer - The Project design currently includes two transformers in the substation; however, in place of the pair, a single, larger transformer is an option under consideration. In support of this potential change, an additional noise analysis was performed, which concludes that if the change is made, the predicted noise levels remain compliant with the statutory noise limits. Refer to **Exhibit A-1.7** for the additional study. Refer to **Figure 1A – V162-7.2 - Substation Predicted Sound Contour Map (1x MPT Alternative)**, **Figure 1B – V163-4.5 - Substation Predicted Sound Contour Map (1x MPT Alternative)** and **Figure 1C – N169-5.X- Substation Predicted Sound Contour Map (1x MPT Alternative)** for a depiction of the sound isolines related to this technology change.

The following features have the potential to be modified within the bounds of minor changes as defined by the AFIP, and will be finalized before construction:

- Turbine Model – At the time of application, the Applicant has reviewed five potential turbine models, the Nordex N169 5.5 MW turbine, Vestas V162 6.0 MW, 6.8 MW and 7.2 MW turbines and the Vestas V163 4.5 MW turbine, all of which enable the Project to meet the requirements of PA 233. The coordinates locating each turbine are the same for all turbine models and all potential turbine models have been modeled for setbacks, sound, and shadow flicker, which are displayed in **Appendix 1.1-A – Project Layout of Exhibit A-1.1**. Factors such as turbine availability, cost, turbine manufacturer model offerings, and other supply chain considerations (including potential trade measures, such as tariffs) at the time of procurement may drive the selection of an alternative turbine model that would also allow the Project to meet the requirements of PA 233. Any such change would represent a minor change, in that it would not (1) expand the footprint or the perimeter of the site plan; (2) would not represent a change in planned technology (such as the addition of energy storage or other technological change increasing noise or impacting permit requirements above the levels associated with the five turbines presented within the application); (3) would not reduce setback distances from any part of the planned facilities to occupied structures, non-participating property lines, or rights-of-way such that any new setbacks would violate any setback requirements in PA 233; (4) would not affect water detention or retention or other stormwater runoff; (5) would not cause an increase in the height of the tallest equipment or structures; (6) would not represent a “repowering” of the Project; and (7) would not lead to any increase of noise impacts to non-participating structures above the 55 dB average hourly limit. In other words, any such change will still permit the Project to remain within the siting and operating envelope established for the Project (based on the turbines already presented within the Application), including maintaining a maximum turbine height no greater than those of the current models illustrated as well as enabling the Project to meet the other requirements of PA 233. By way of example, four additional turbine models that would satisfy these parameters are the Nordex N163 5.9 MW, N163 6.08 MW, and N163 7.0 MW models and General Electric’s GE164 6.0 MW model.

- **Turbine 24** – For Turbine 24, MI Energy Developments intends to install collector lines within the public right-of-way, subject to obtaining a right-of-way permit from the Sanilac County Road Commission (the “ROW Permit”). The Applicant believes that issuance of the ROW Permit is consistent with Michigan law because the Project’s electrical output will be delivered to the public through a public utility. Nonetheless, Turbine 24 is not required for project viability; accordingly, if the ROW Permit is not ultimately obtained, the Project can be constructed and placed in service without Turbine 24. The current location of Turbine 24 and its associated infrastructure is displayed in **Figure 2 – Project Layout**. A map of the Project infrastructure as a result of the removal of Turbine 24 is included in **Figure 3 – Turbine 24 Removal**.
- **Aircraft Detection Lighting System (“ADLS”)** – the Project engaged with two vendors for its ADLS, DeTect and Terma, and has chosen Terma to provide the system, as is reflected in **Exhibit A-11**. By the time construction begins, factors such as availability, cost, model offerings, and/or other supply chain considerations (including potential trade measures, such as tariffs), may drive a pivot to DeTect. Physical differences between Terma’s and DeTect’s systems are limited, with the only likely modification being a marginal increase to the height of the tower supporting the ADLS system if required (from 60 feet as depicted in Exhibit A-1.1 to approximately 100 feet), which would in any case remain below the height that would trigger an obligation to obtain a DNH or a Tall Structure Permit from the Michigan Department of Transportation and would not represent an “increase in the height of the tallest equipment or structures” of the Project.
- **Access Roads** – There is a potential for minor changes to access roads with ongoing considerations including, but not limited to, landowner input, cost considerations and design optimization. Known access road options are currently displayed in **Appendix 1.1-A – Project Layout of Exhibit A-1.1**.
- **Collection Routes** – There is potential for minor changes to collection routes with ongoing considerations including, but not limited to, landowner input, cost considerations, and design optimization. Known collection route options are currently displayed in **Appendix 1.1-A – Project Layout of Exhibit A-1.1**.

A-1.6.b – Minor changes are not required to be submitted. A minor change is any change within the project footprint that still allows the facilities to meet all of the criteria outlined in PA 233, does not create new or additional impacts and does not require new permits; however, a minor change does not include any of the following:

- 1. A change that would expand the footprint or perimeter of the site plan.**
- 2. A change in planned technologies (such as the addition of an energy storage facility to an existing site or other technological changes increasing noise or impacting permit requirements).**
- 3. Reduced setback distances from any part of the planned facilities to occupied structures, non-participating property lines, or rights-of-way if the new setbacks violate any setback requirements in PA 233.**
- 4. Any change that affects water detention or retention or other stormwater runoff.**
- 5. An increase in the height of the tallest equipment or structures.**

6. Repowering.

7. Any increase of noise impacts to non-participating structures above the 55 dB average hourly limit.

The Applicant understands that any potential modifications or variations to the site plan being considered at the time of filing that will be finalized prior to construction and fall outside the scope of “minor changes” will need to be submitted for review and approval.

Appendix 1.6-A: FIGURES

FIGURE 1A – V162-7.2 - SUBSTATION
PREDICTED SOUND CONTOUR MAP
(1X MPT ALTERNATIVE)



MPS&C Cast River Bend Wind
Figure 14.15 Wind A-1.6)
Vestas V162-7.2MW STE
1x 330 MVA MPT Alternative
Substation Predicted Sound
Contour Map
04/21/2026

Wind Turbine

Substation Transformer

Receptors

Non-Participating

Participating

Vestas V162-7.2MW STE
Noise Level Contours

50 dBA

55 dBA

60 dBA

0 350 700 ft

FIGURE 1B – V163-4.5 - SUBSTATION
PREDICTED SOUND CONTOUR MAP
(1X MPT ALTERNATIVE)



MPSC Case No. 17-0001

Figure 10 (E-Wind)

Figure 10 (E-Wind)

Vestas V163-4.5MW STE

1x 330 MVA MPT Alternative

Substation Predicted Sound

Contour Map

04/21/2026

Wind Turbine

Substation Transformer

Receptors

Non-Participating

Participating

Vestas V163-4.5MW STE

Noise Level Contours

50 dBA

55 dBA

60 dBA

0350700 ft

FIGURE 1C – N169-5.X - SUBSTATION
PREDICTED SOUND CONTOUR MAP
(1X MPT ALTERNATIVE)



- Wind Turbine
- Substation Transformer
- Receptors**
 - Non-Participating
 - Participating
- Nordex N169-5.XMW STE
Noise Level Contours**
 - 50 dBA
 - 55 dBA
 - 60 dBA

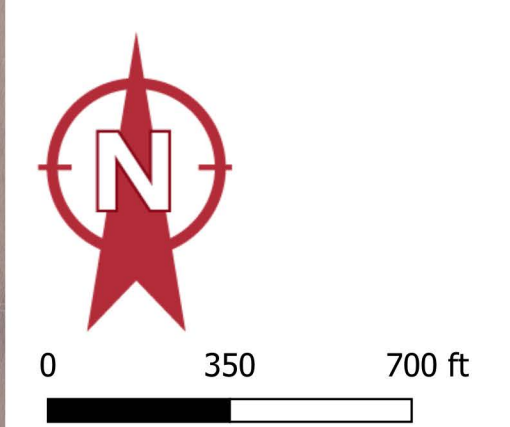
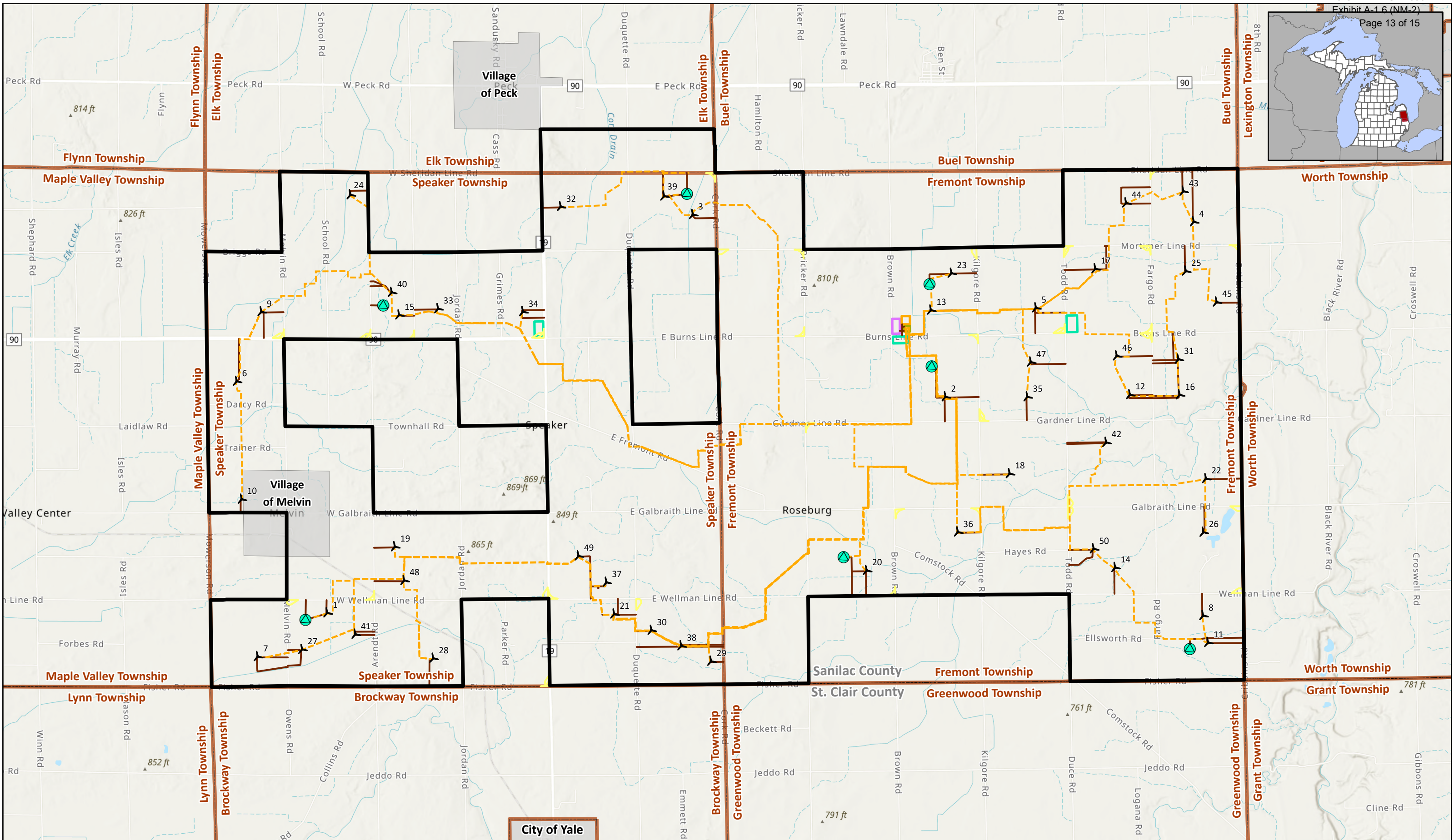


FIGURE 2 – PROJECT LAYOUT

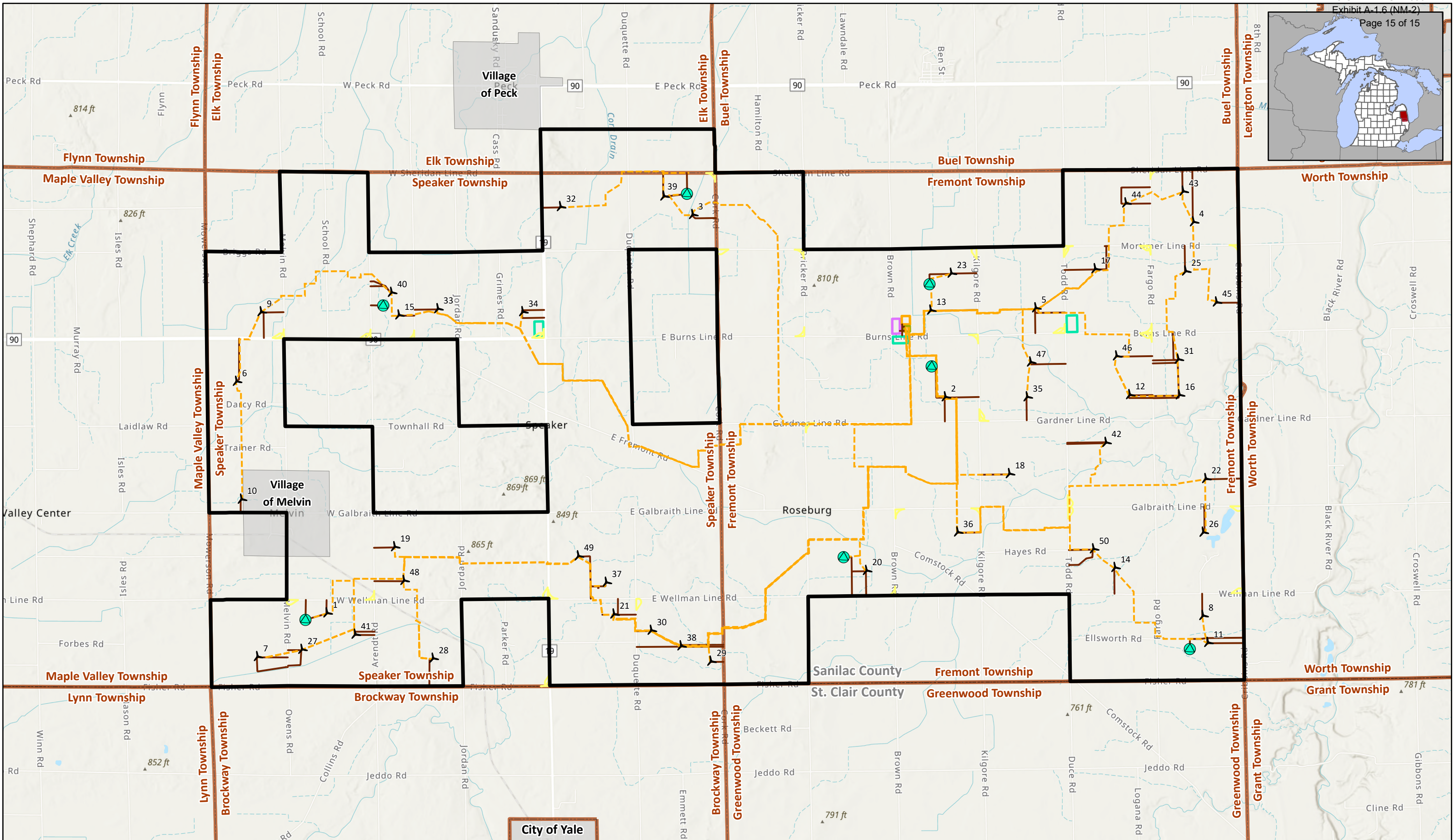


	MI Energy Developments, LLC Riverbend Wind Energy Facility 24006759 January 07, 2026 <i>Preliminary</i>	Project Area (~34,860 acres)	Proposed MET	Proposed Intersection Improvements	Proposed Substation
	 	Town/Village	Proposed Turbine	Proposed Laydown Yard	
	Township	Proposed Collection Route	Proposed Access Road	Proposed O&M Facility	
	County	Proposed Switching Station			

Source: Esri Topographic Basemap

Figure 2
Project Layout
Elk, Speaker, and Fremont Townships
Sanilac County, Michigan

FIGURE 3 – TURBINE 24 REMOVAL



MI Energy Developments, LLC
Riverbend Wind Energy Facility
24006759
January 07, 2026
Preliminary

0 4,000 Feet

- Project Area (~34,860 acres)
- Town/Village
- Township
- County

- Proposed MET
- Proposed Turbine
- Proposed Collection Route
- Proposed Access Road

- Proposed Intersection Improvements
- Proposed Laydown Yard
- Proposed O&M Facility
- Proposed Switching Station

- Proposed Substation

Source: Esri Topographic Basemap

Figure 3
Turbine 24 Removal
Elk, Speaker, and Fremont Townships
Sanilac County, Michigan