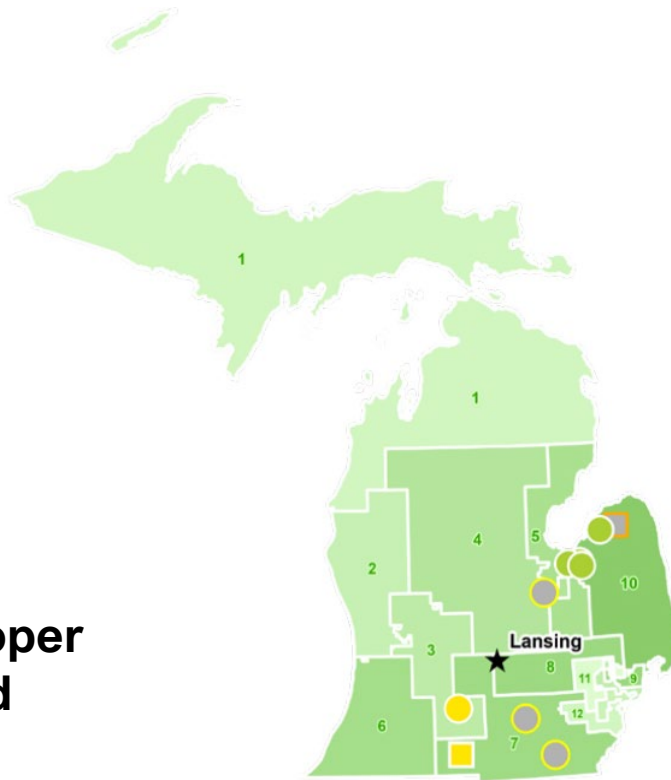


Tuscola II Energy Storage

Continued Investment in Fairgrove Township and Throughout MI



4

wind energy centers
in operation

1

utility-scale solar
center in operation

3

utility-scale solar
projects in development

1

distributed energy
resource in operation

1

battery energy storage
system in development



\$1 billion
total capital
investment



\$5.7 M
annual land
payments

Project Developer
Brendan Wood

Tuscola II Energy Storage Project Team



- **Brendan Wood** – Project Development, NextEra Energy Resources
- **Zachary Melda** – Executive Director, NextEra Energy Resources
- **Jennifer Olsen** – Project Manager Engineering & Construction, NextEra Energy Resources
- **Michael Mcconnell** – Project Manager Environmental Services, NextEra Energy Resources
- **Haley Adams** – Sr. Attorney; General Counsel, NextEra Energy Resources
- **Dan Ettinger** – Michigan Land Use Counsel, Warner Norcross + Judd
- **Timothy Jones** – Development Manager, Atwell
- **Thomas Sutton** – Safety and Standards Consultant, Sutton Technical Services, Inc.
- **Justin Bowers** – Acoustical Consultant, Hankard Environmental
- **Lori Wortz** – Engagement Specialist, Hilltop

NextEra Energy Resources' proven track record

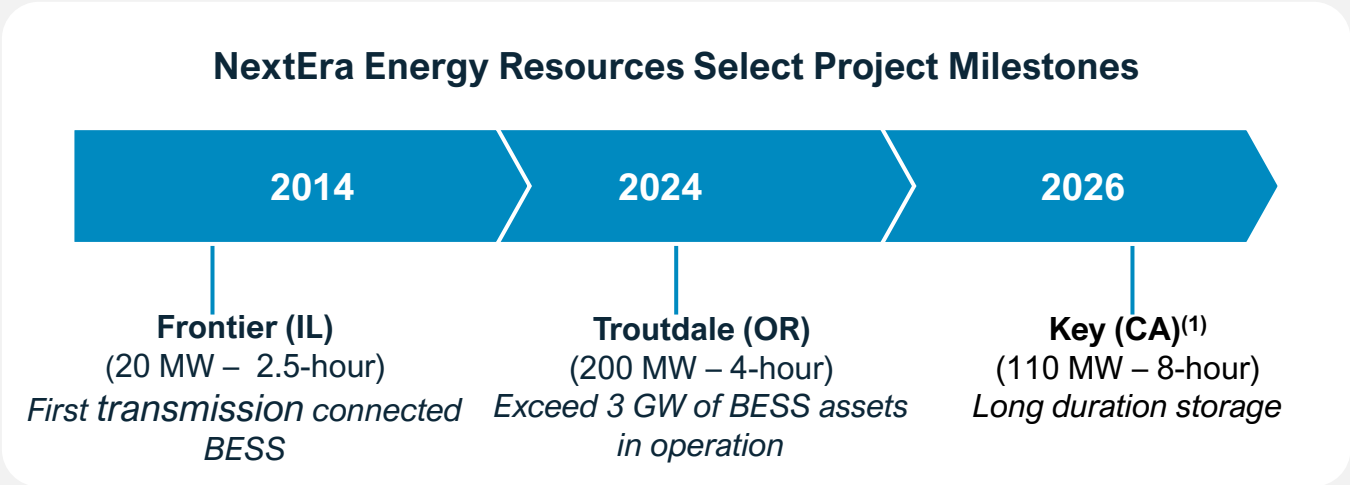
More than 10 years of safe operations across 50+ facilities with continuous safety improvements

NextEra Deploys 3.6 GW of BESS Energy Enough to Power over 1 million homes



We pioneered the deployment of battery energy storage projects

- Gained practical experience building the largest battery energy storage fleet in America
- Continuous innovation and design improvements focused on safety, reliability and value for customers
- Over 10 years of safe operations with robust emergency response capabilities

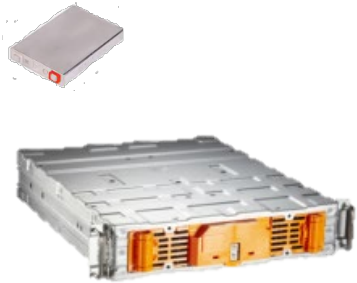


1. Project is under construction

Inside a battery energy storage system

Modular and outdoor battery energy storage container simplifies site design and enhances safety

Cell & Module



- Battery cells are the basic building blocks
- Multiple cells are grouped into modules



Rack



- Multiple modules are stacked within racks
- Includes localized battery management system and protection systems



Containers



- Racks are housed in containers; outdoor design allows safe maintenance without entering containers
- Advanced thermal management system maintain optimal temperatures
- Multiple safety systems including fire detection and automatic shutdown
- Energy Management System manages charging, discharging and system safety

The flow of energy: from generation to grid integration

Understanding the process of electricity conversion within our battery energy storage systems is simple

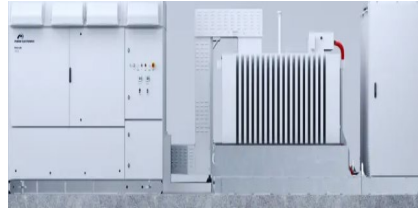
Charging the Batteries



- Batteries store excess energy generated from renewable resources like solar and wind; or directly from the grid



Converting DC ↔ AC



- Smart inverters efficiently convert DC energy to AC energy, which is ready to be used by the grid



Voltage increase with transformers



- Transformers step up the voltage of AC energy at substations, to match transmission requirements



Grid interconnection

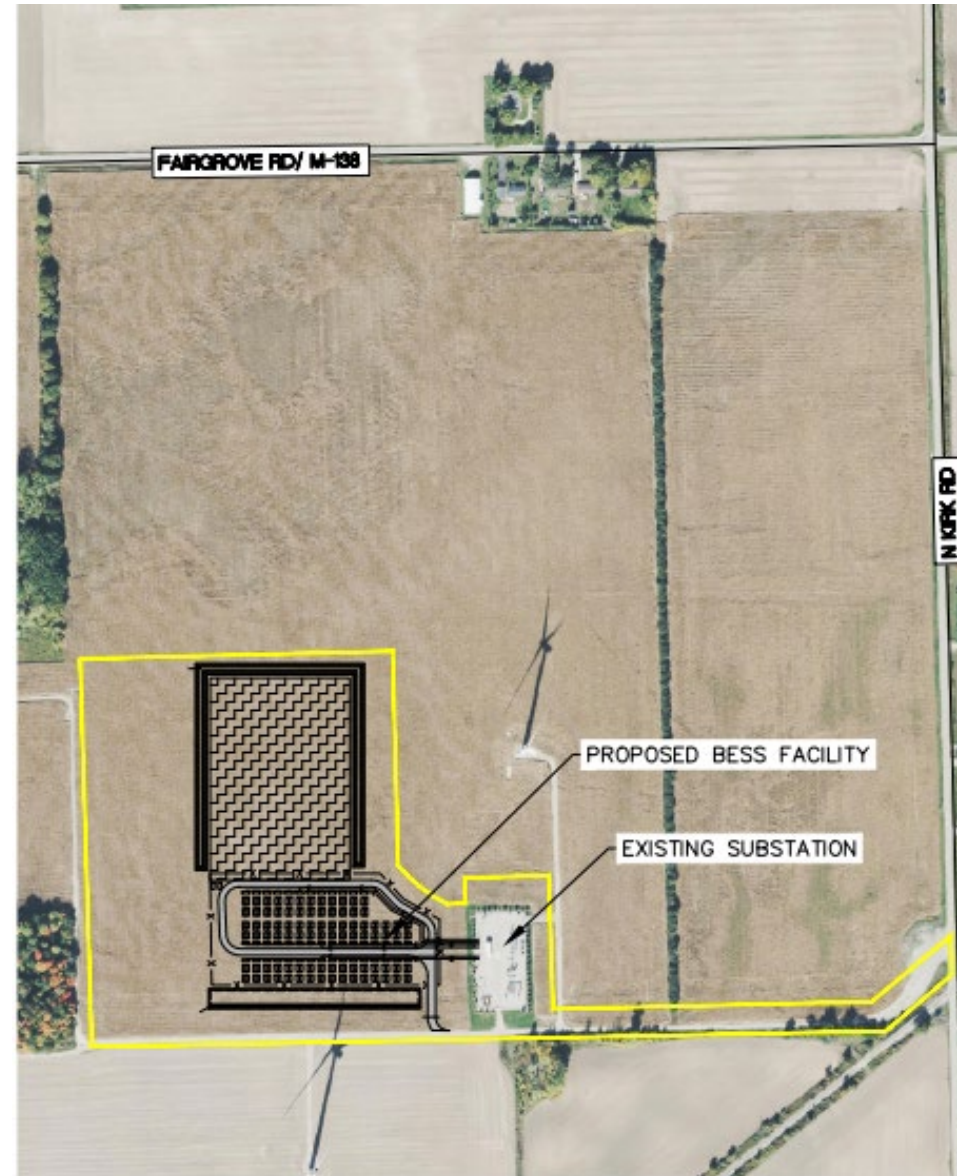


- Converted AC energy is delivered into the grid, providing reliable electricity when it's most needed

Process happens automatically and safely, ensuring the grid receives reliable power without disruption

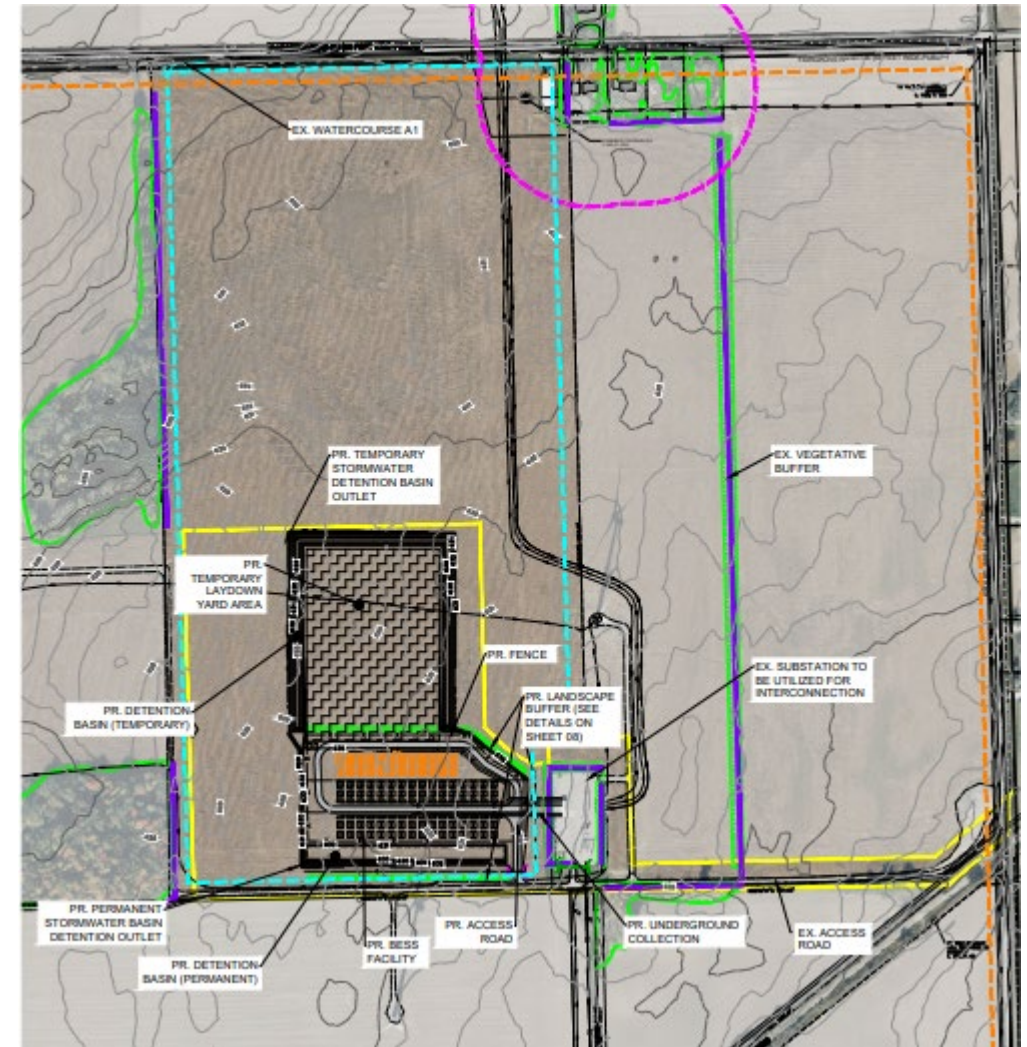
Tuscola II Energy Project Overview

- **Project Size:** 100 MW – 4hr duration
 - Includes augmentation
 - Enough electricity to power 20,000 homes
- **Interconnection:** Starkey POI (115 kV)
 - Tuscola II Wind Substation
- **BESS Site:**
 - **5 acres** of Fenced-in Area
 - 5 acres for Temporary Laydown Yard



Tuscola II Energy Storage Meets the Ordinance's SLUP and Site Plan Requirements

- **Narrative:** Explains how the Project meets all of the Township's general and BESS-specific SLUP and site plan standards
- **7 appendices:** Plans and studies
 - Site Plan
 - Sound Modeling Study
 - Decommissioning Plan
 - Safety Plan
 - Visual Simulations
 - Complaint Resolution Process
 - Community Impacts Analysis



The Project Satisfies the General SLUP standards (Sec. 7.6)

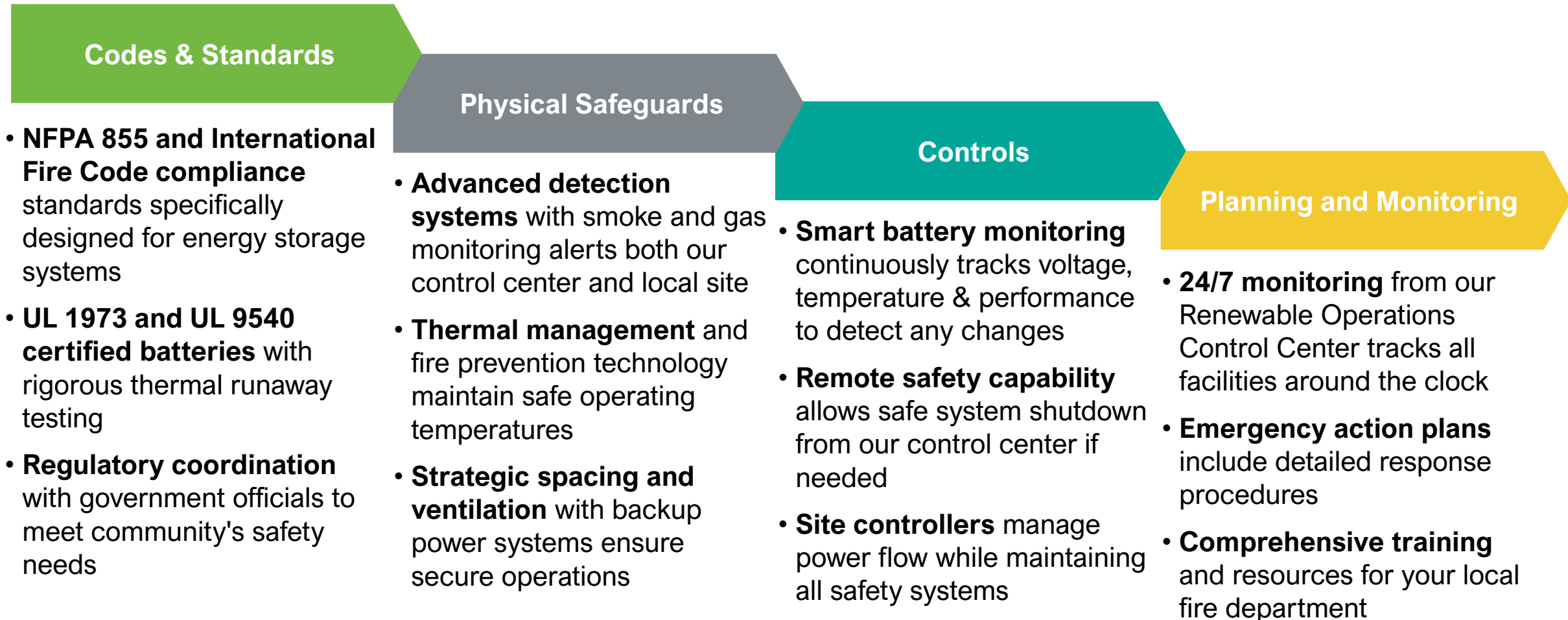
- **Consistent with intent/purpose of the Ordinance**
 - Comply with BESS-specific requirements that reflect intent
 - Provides grid stability and revenue to the community
- **Designed to be harmonious with character of the area**
 - Co-located with Tuscola II Wind – utilizes existing substation
 - Incorporate setbacks and landscape buffering for non-participating residences
- **Adequately served by public facilities and services**
 - Working with Road and Drain Commissions
 - Design includes permanent stormwater detention basin to ensure adequate drainage
 - Safety Plan – First responder training and compliance with all applicable codes
- **Not creating additional costs for public services** (e.g. roads, drains, emergency services)
 - Per BESS ordinance, will provide additional funding to fire department if necessary

The Project Satisfies the BESS-specific SLUP standards (Sec. 7.28)

- Compliance with **NFPA 855 / UL Certified Components**
- Provided **detailed Safety Plan**
- **Not creating additional costs** for public services (roads, drains, emergency services)
- Exceeds **setback requirements** (300 ft from non-participating dwellings / 50 ft from non-participating property lines and road ROWs)
- Provided **Complaint Resolution Process**
- Provided **Decommissioning Estimate / Plan** – bond will not consider salvage value
- Provided **Community Impacts Analysis**
- Will provide **Emergency Operations Plan** and first responder consultation / training prior to operations

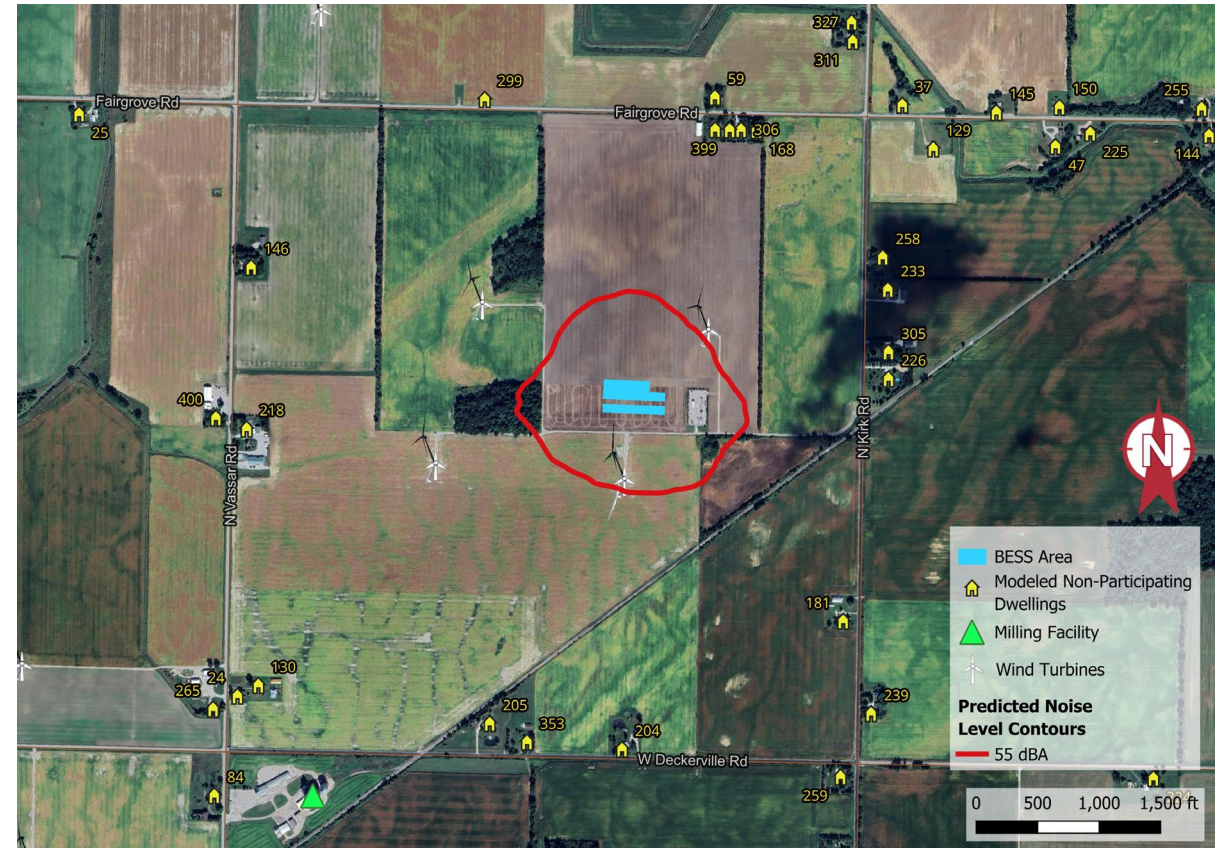
Ordinance Subsection 6 - Safety

NextEra began consultation with Fairgrove Fire Department **beginning in October 2024** and will continue prior to construction and commercial operations.



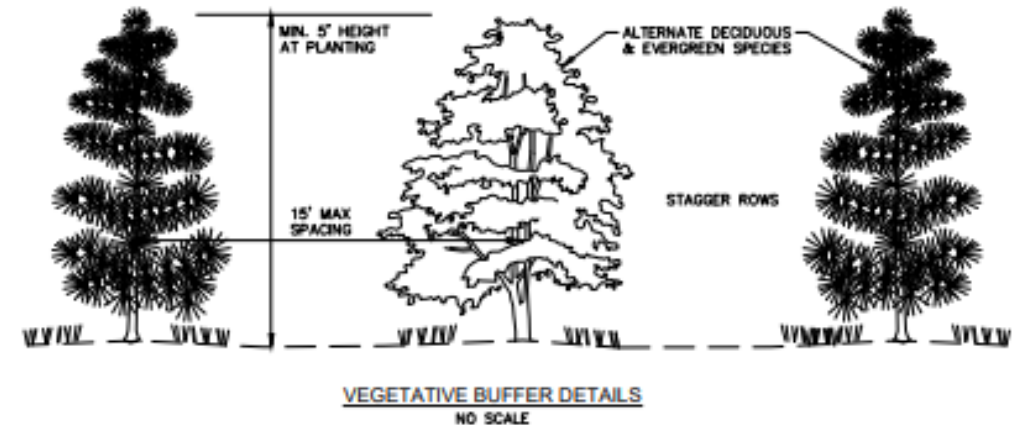
Ordinance Subsection 8 - Sound

- **55 dBA Average Hourly A-Weighted Decibels**
 - This facility will not exceed fifty-five **55 dBA** average hourly A-weighted decibels as measured at the nearest outer wall of the nearest dwellings located on non-participating properties



Ordinance Subsection 9 - Landscaping

- The Landscaping Plan was designed in accordance with the BESS Ordinance
 - Prepared by a **Michigan Licensed landscape architect**
 - Contains a mixture of native deciduous and evergreen trees that will be at least five (5) **feet tall** at the time of planting
 - Vegetation will be maintained with **good husbandry techniques** so that vegetation will reach maturity as soon as practical with the maximum density of foliage
 - **Dead or diseased vegetation** will be removed and replanted at the next appropriate planting season



1. A MIX OF EVERGREEN TREES, DECIDUOUS TREES IS PROPOSED WITHIN VEGETATIVE SCREENING AREAS FOR THE PROJECT ALONG NON-PARTICIPATING RESIDENTIAL OR PUBLIC USES WHERE ADEQUATE SCREENING DOES NOT EXIST.
2. TREES TO BE STAGGERED IN ROWS WITHIN A 20' VEGETATION BUFFER.
3. A 10' MINIMUM MAINTENANCE BUFFER WILL BE USED BETWEEN THE PROPOSED VEGETATIVE SCREENING AND PERIMETER FENCING.

Ordinance Subsection 15 - Decommissioning

- **Plant Disassembly**
 - All above ground components and foundations removed
 - All access roads and driveways removed
 - Concrete, gravel, cable to be recycled
 - Estimate cost at **\$2,345,753**
- **Transportation**
 - Estimated cost at **\$1,863,905**
- **Site Restoration**
 - Site will be re-seeded
 - Drainage tile repairs
 - Estimated cost at **\$348,715**
- **Total Decommissioning Costs**
 - **\$4,209,658**

Ordinance Subsection 17 - Community Impact Analysis

- **Total Project Investment: \$250 MM**

- **Local Community Benefits**

- Opportunity to apply for **\$5,000 / MW** EGLE grant.
- **\$500,000** total potential for Fairgrove Township
- Upwards of **\$50 MM** will go towards construction cost.
 - Supporting hundreds of jobs during construction.
 - Two or three local full-time employees.
 - Generating an estimated **\$3-5 million** in economic activity during the installation in Tuscola County.
- **Millions of dollars** in additional tax revenue over the life of the project.

