BREEZY MEADOWS
ENERGY FACILITY

THANK YOU FOR COMING

to the
Breezy Meadows Energy Facility
Information Session.

BEFORE YOU LEAVE

Please complete a comment card, or,
send your comments by mail or email.

HAVE QUESTIONS?

Email Us:
BreezyMeadowsEnergy@algonquinpower.com

Mail Us:
407 North Monroe
Abingdon, IL 61410

Call Us:
1 (833) 690-0203

Liberty

COMPANY HISTORY

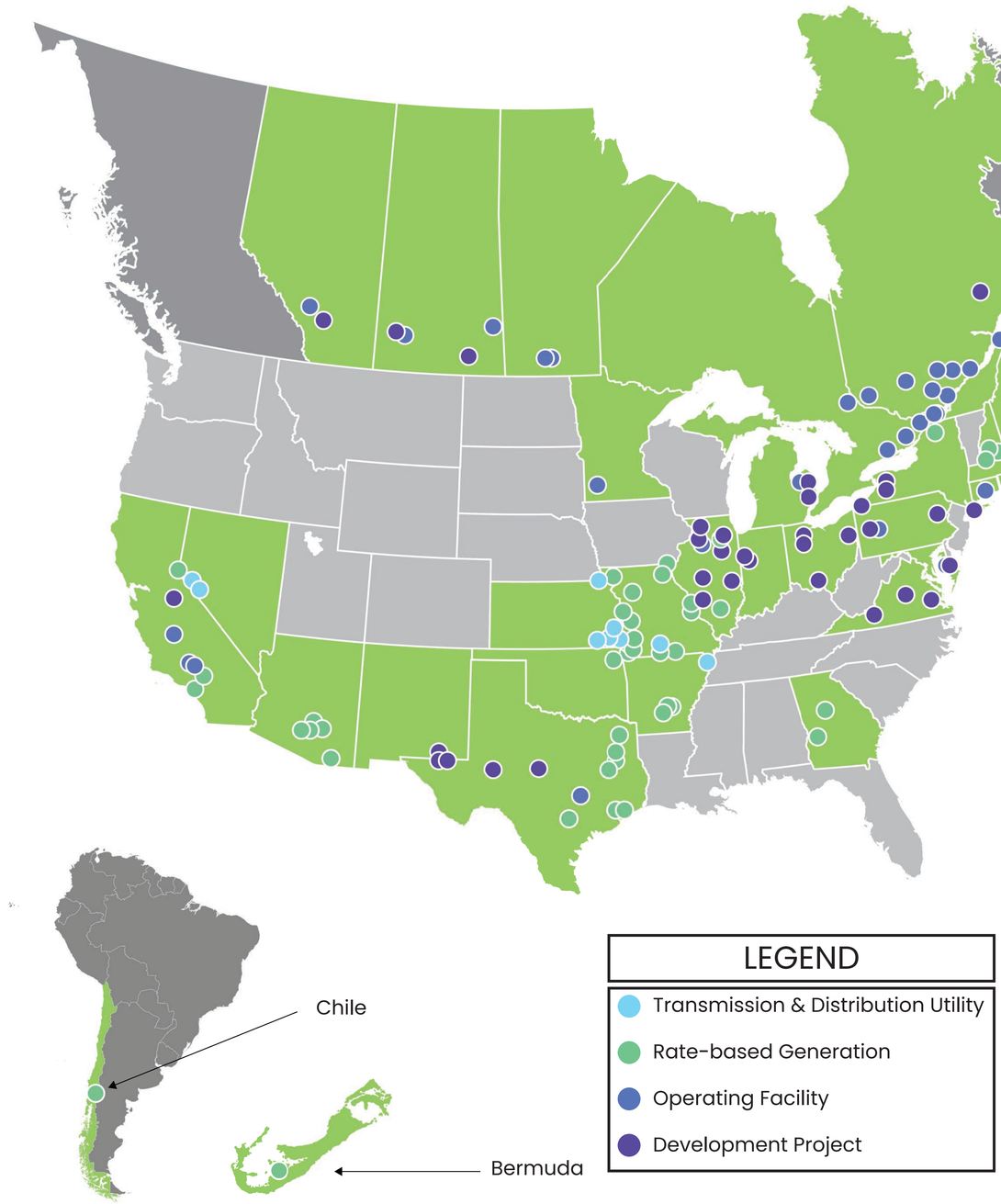
Algonquin Power & Utilities Corp. (Algonquin) was established in 1988 as a developer of small hydro projects in Ontario.

Algonquin was publicly listed as a common share on the Toronto Stock Exchange in 1997 and in 2016, was publicly listed as a common share on the New York Stock Exchange.

Since then, Algonquin has expanded into the utility business through Liberty Utilities, and has become a market leader in renewable generation through Liberty Power. Algonquin has operations spanning 16 jurisdictions with approximately 3400 employees.

Liberty®

Through our operating business (Liberty), we provide regulated water, electricity, and natural gas utility services to over 1 million customer connections, primarily in North America. And, our growing portfolio of clean, renewable wind, solar, hydro and thermal power generation facilities represents over 4.2 GW of renewables in operation and under construction.



Highlights

~17.7 B
Total Assets

1988
Company Founded

3,400+
Employees

~4.2 GW
Renewables (owned, operated and/or net interest in)

RENEWABLE ENERGY PROJECTS

Under Development

Minonk Solar Project
Woodford County, Illinois
(200 MW AC + 50 MW Battery
Energy Storage System)

Mural Energy Facility
Vermilion County, Illinois (418 MW)

Under Construction

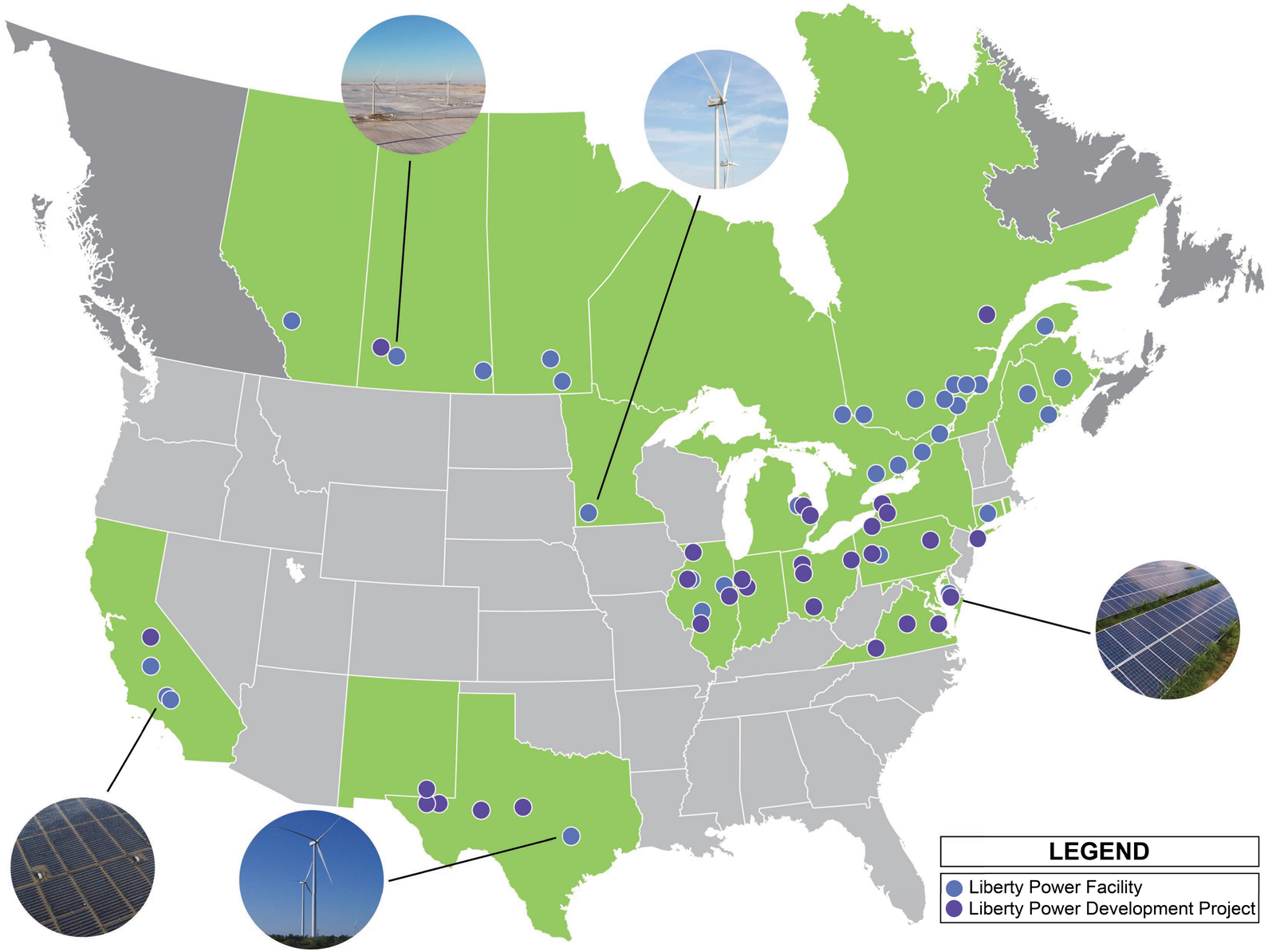
Shady Oaks 2 Wind Project
Lee County, Illinois (118 MW)

Deerfield Wind Energy 2 Project
Huron Township, Michigan (110 MW)

Recent Operating

Maverick Creek Wind Project
Concho County, Texas (492 MW)

Sugar Creek Wind Project
Logan County, Illinois (202 MW)



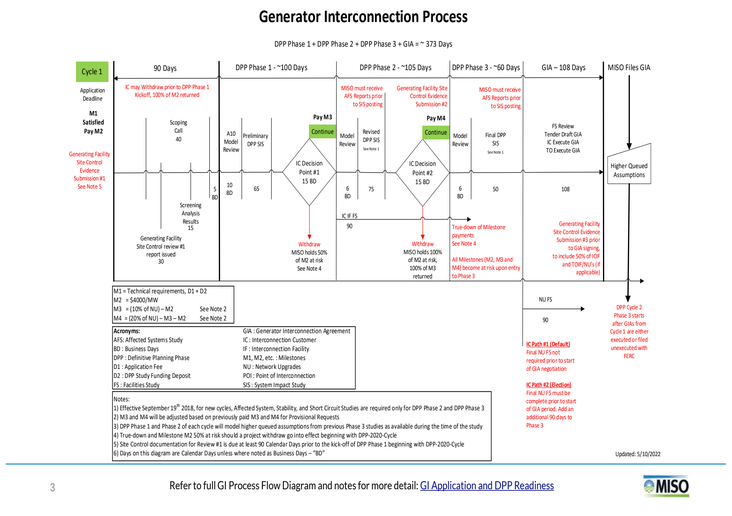
WHAT'S NEW?

Project Office

We have opened a project office located at:

407 North Monroe, Abingdon, IL 61410

Come drop in or schedule an appointment with one of our land agents. We would be happy to answer any of your questions, comments or concerns!



MISO Application

On September 15th, 2022, the Breezy Meadows team submitted the project, into the Midcontinent Independent System Operator (MISO) Generator Interconnection Application Process.

The MISO Application is a key milestone for all renewable energy projects in their development process. The submission of this application brings the project one step closer to becoming a reality.

Community Support

The project team would like to thank the Community and Participating Landowners for their support so far! We look forward to working with you as we continue to develop the project!

Land agents will continue to be meeting with landowners through December 2022 . If you haven't had a chance to schedule a meeting yet, please reach out to the project team.

PROJECT AREA

Project Location:
Knox County, Illinois

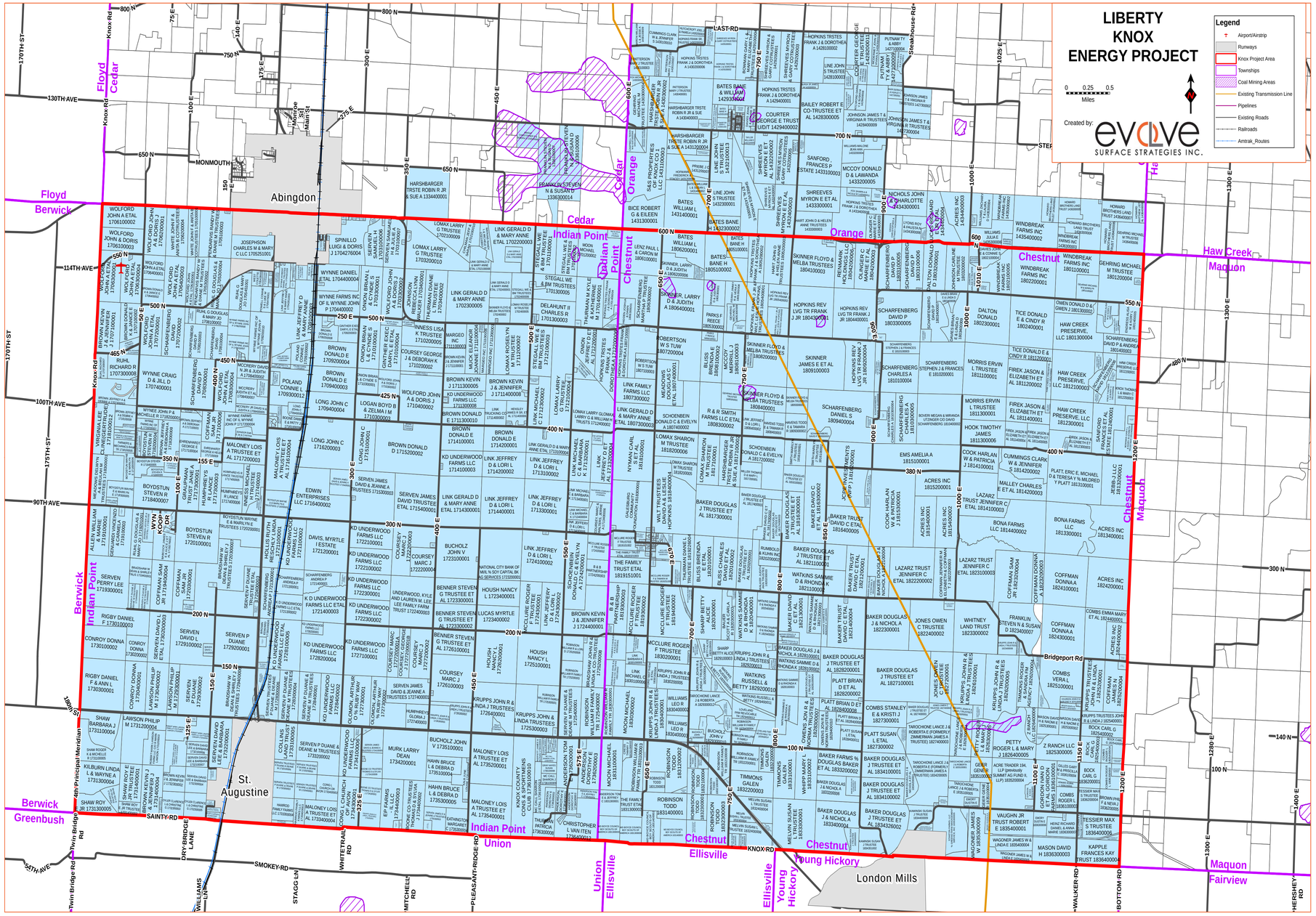
Project Size:
200 MW Wind Project

Number of Turbines:
Between 30 - 40 turbines.

Turbine Capacity:
Turbine technology is continuously evolving however we are currently targeting turbines which are approximately 6 MW in size.

Turbine Tip Height:
~656 ft. to tip

Setbacks:
We are working diligently with local officials to understand setbacks and ensure we are in compliance with all local requirements.



Liberty

PROPOSED PROJECT TIMELINE

2022- 2023
Consultation
Land Acquisitions

2022 - 2025
Permitting
Geotechnical Surveys
Environmental Surveys

2025 - 2026
Target
Commericial
Operation Date

2022
Project
Origination

2022 - 2024
MISO Interconnection Application
Meteorological Tower Installations
Continued Community Engagement

2025
Notice to Proceed
Construction

PERMITTING AND SITING PROCESS

During the permitting and siting process, various local, state and federal agencies are consulted & engaged, these may include:

FUTURE PROJECT ACTIVITIES

Wetlands and Waterways Delineation Surveys

Monthly Avian Surveys

Raptor Nest Surveys

Bat Acoustic Migration Surveys

Bat Acoustic Presence & Absence Surveys

Cultural Resources Studies and Surveys

Knox County Conditional Use Permit Application

Shadow Flicker Analysis

Noise/Sound Assessment

Communication Studies

Federal Aviation Administration Determination of No Hazard to Air Navigation Application

Geotechnical Surveys

Property Boundary Surveys

Rare Plant Survey

Transportation Study

Haul Route Assessment

*Please note these are a few examples of studies and surveys which may be required. .

WIND POWER DEFINED

Anemometer—A device to measure the wind speed.

Gearbox—A compact, enclosed unit of gears which transfers force between machines or mechanisms, often with changes of torque and speed.

Hub—That component of a wind turbine to which the blades are affixed.

Hub Height—The distance from the foundation to which the tower is attached to the center of the hub.

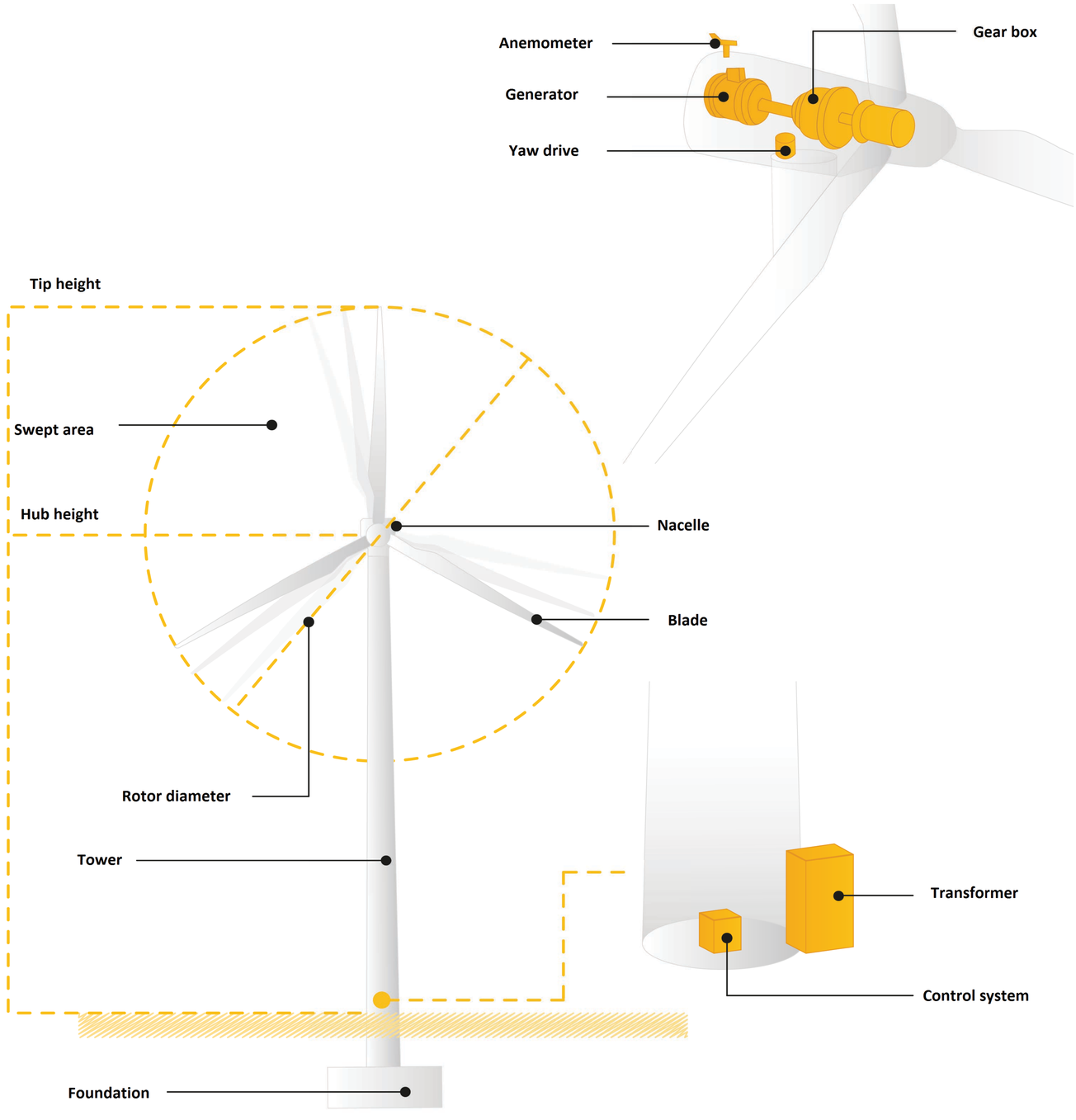
Transformer—receive AC (alternating current) electricity at one voltage and increase or decrease the voltage to deliver the electricity as needed

Nacelle—The body of a propeller-type wind turbine, containing the gearbox, generator, blade hub, and other parts.

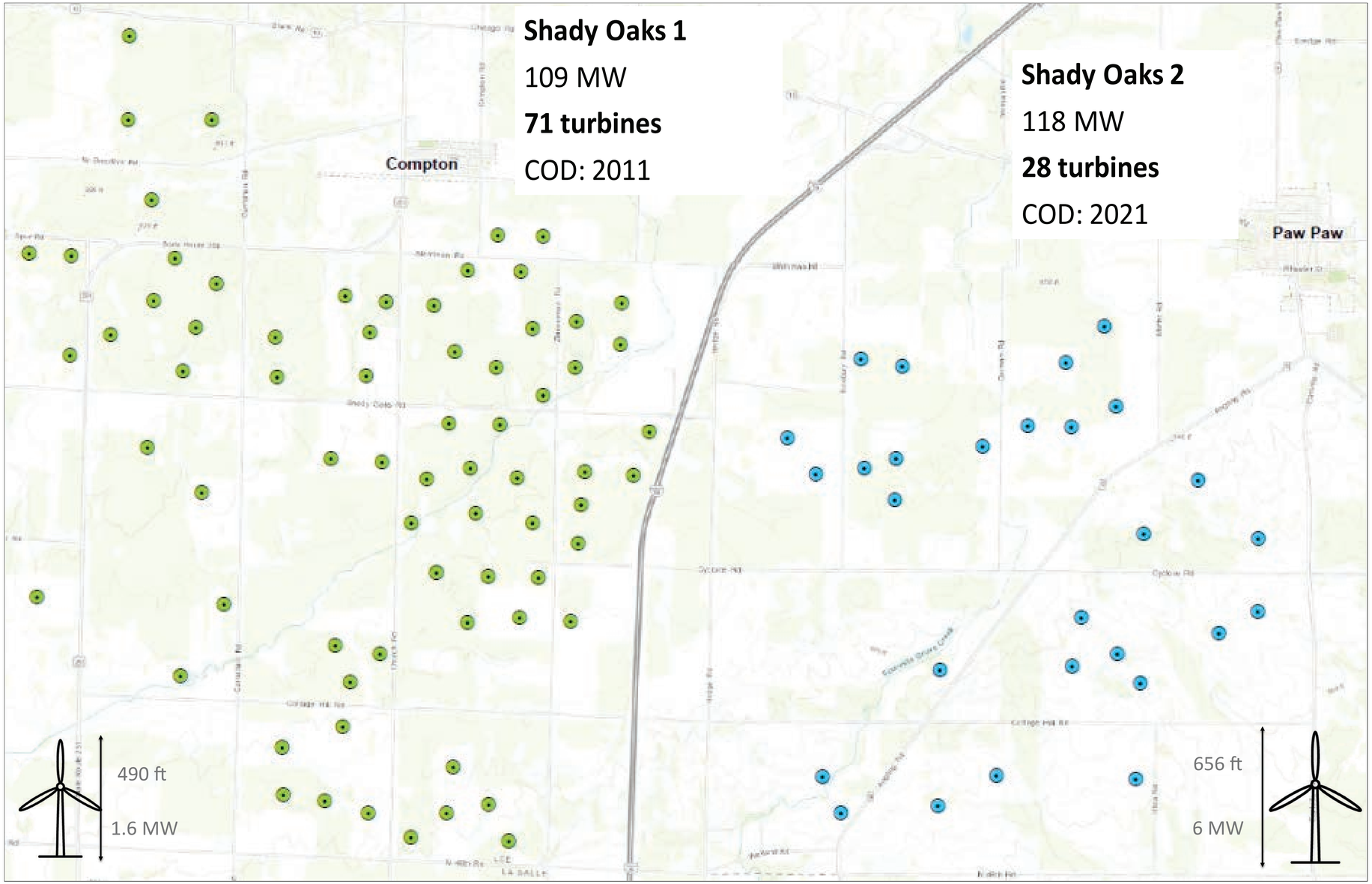
Rotor—The rotating part of a wind turbine, including either the blades and blade assembly or the rotating portion of a generator.

Rotor diameter—The diameter of the circle swept by the rotor.

Swept area—The area swept by the turbine rotor



TURBINE EVOLUTION – MORE POWER FROM FEWER TURBINES



Recent Example: Our Shady Oaks Wind 1 & 2 (Lee County, Illinois)

FREQUENTLY ASKED QUESTIONS

How much wind is needed for a wind turbine to function?
A typical modern turbine will start to generate electricity when wind speeds reach 6 - 9 mph, known as the cut-in speed. Turbines will shut down if the wind is blowing too hard (roughly 55 miles an hour) to prevent equipment damage.

How does wind energy get to you?
The turbines in a wind farm are connected so the electricity they generate can travel from the wind farm to the power grid. Once wind energy is on the main power grid, electric utilities or power operators will send the electricity to where people need it. Smaller transmission lines, called distribution lines, collect electricity generated at the wind project and transport it to larger "network" transmission lines, where the electricity can travel across long distances to the locations where it is needed. Finally, smaller distribution lines deliver electricity directly to your town, home, or business.

Does it take more energy to make a wind turbine than the turbine will produce?
No. It's a common myth that it takes more energy to manufacture and build a wind turbine than the turbine will produce. In reality, a typical wind turbine will repay its carbon footprint in less than six months, and it will generate emission-free electricity for the remainder of its 20 to 30 year lifespan.

Are there health and safety concerns with wind power?
Concerns about wind power sometimes reference shadow flicker or noise. However, the science is clear and unambiguous that wind projects do not cause negative health effects. Dozens of independent, peer-reviewed studies conducted around the world, including the U.S., have consistently found no evidence that wind farms cause any negative physical health effects. Shadow flicker is predictable, harmless, and passes quickly. It is based on the sun's angle, turbine location, and the distance to an observer; it can be avoided by several methods. Regarding noise, typically, two people can carry on a conversation at normal voice levels even while standing directly below a turbine. Millions of people around the world live and work near wind farms without issue, and the Lawrence Berkeley National Laboratory found 92% of people living within five miles of a wind turbine report positive or neutral experiences.

Does wind power impact birds and other wildlife?
Wind is a major climate change solution, which is the largest threat to many species and their habitats. Wind power is far less harmful to wildlife than traditional energy sources it displaces, including to birds and their critical habitats. Overall, wind causes less than 0.01% of all human-related bird deaths. Other causes include buildings (550 million), power lines (130 million), cars (80 million), pesticide poisoning (67 million), and radio and cell towers (6.8 million).

TYPES OF AGREEMENTS

WHAT TYPES OF AGREEMENTS DO WE OFFER:

LEASE:

Turbine Site

Access Roads

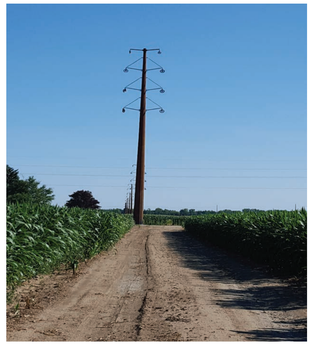
Collector Lines

Laydown Areas

PURCHASE AGREEMENT:

Substation/Switch Yard

EASEMENT:
(Specific Areas)

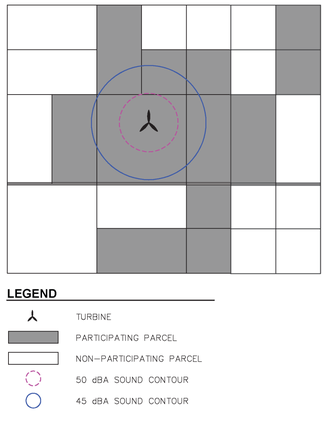


Transmission Line

Access Roads

Collector Lines

SETBACK WAIVERS



GOOD NEIGHBOUR AGREEMENTS

COMMUNITY & ECONOMIC BENEFITS

TAX REVENUE
Increased contribution to Townships & County tax revenue & school boards.

EMPLOYMENT
Employment opportunities during construction and operations phases of the project.

CONTRACT OPPORTUNITIES
Economic offshoots for local businesses.

LAND USE
Compatible use - both farming and operating wind project co-existing on the same parcel.
Allows land to remain in agricultural use.

CAPITAL INFRASTRUCTURE
Potential local infrastructure improvements for project & construction, such as upgrades to public roads used for project travel.

CLEAN ELECTRICITY GENERATION
Green energy for equivalent capacity to power approximately 80,000 homes.
Support State of Illinois targets to provide 100% Clean Energy by 2050.

LOCAL COMMUNITY SUPPORT OPPORTUNITIES

Liberty is always looking for ways to partner with the community through donations, community events, and sponsorships.

Past Examples:
Lions Club
Fire Departments
4-H Fairs & Clubs
County Fairs
Foodbank Drives
Sports Teams (i.e., Little League)
Music Festivals
Local Businesses
United Way
Hospital Foundations
Scholarships
Ride for Heart

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We appreciate you taking the time to
come & learn about our proposed project!

NEXT STEPS

Evaluate feedback from the community.
Finalize land acquisition campaign.
Plan for upcoming studies and surveys.

Liberty