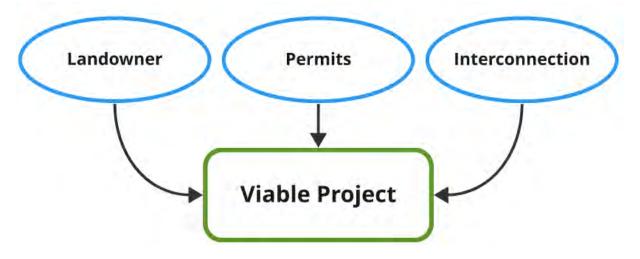


New Leaf Energy - What We Do

- Formerly the Development arm of Borrego Solar
- Core focus is Distributed Generation Solar
 - 5MW AC Interconnection



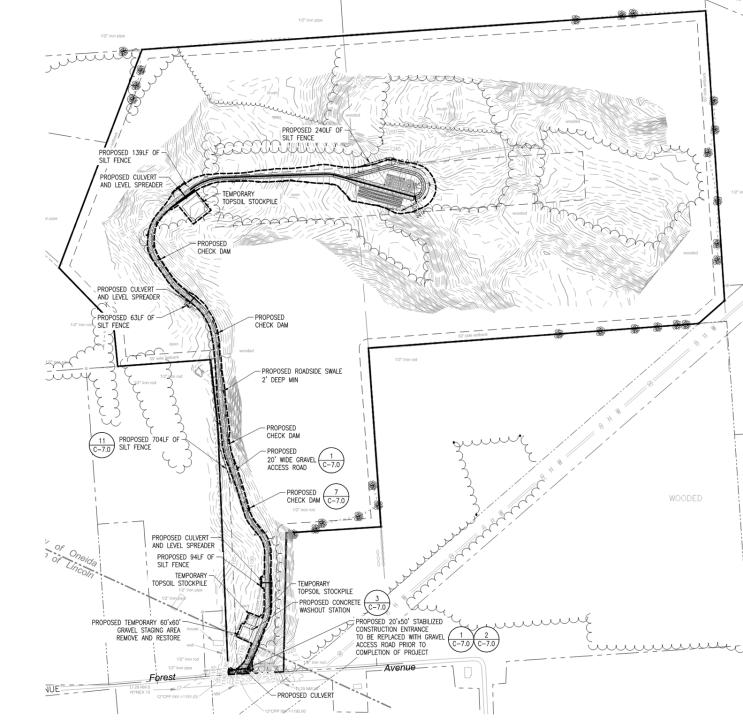




What is Community Wind?

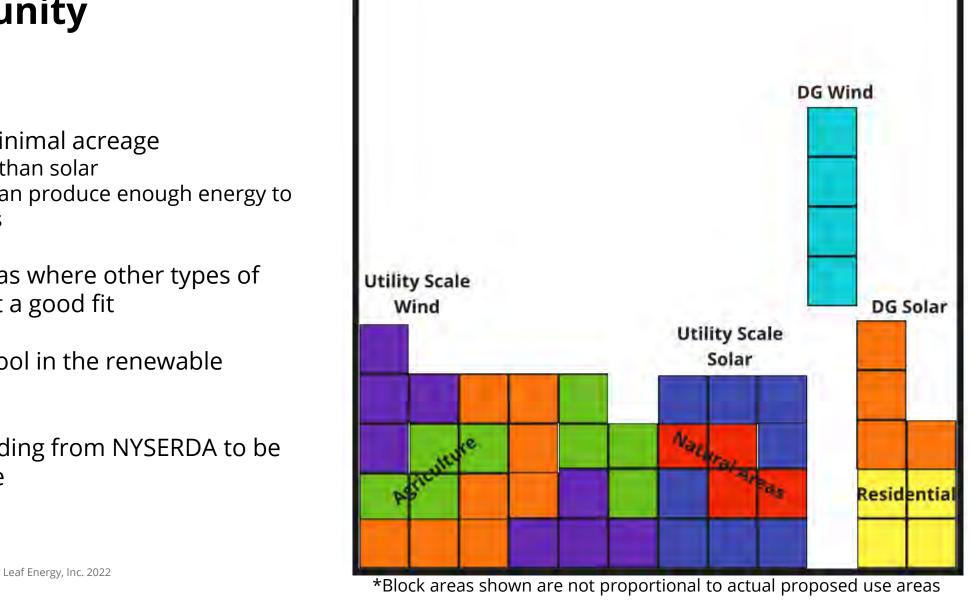
- Not a utility-scale wind farm, but also not small scale
- Distributed Generation (DG)
 - 5 MW AC Interconnections
- 1-2 Turbines per project
- Large, efficient turbine models
 - Tip Height = 550-650 feet
 - Blade Length = 200-270 feet





Why Community Wind?

- Small project on minimal acreage
 - More MW per Acre than solar
 - As little as 5 acres can produce enough energy to power 2,500 homes
- Can be sited in areas where other types of renewables are not a good fit
- Provides another tool in the renewable energy toolbox
- Do not require funding from NYSERDA to be economically viable



Environmental Considerations and Concerns

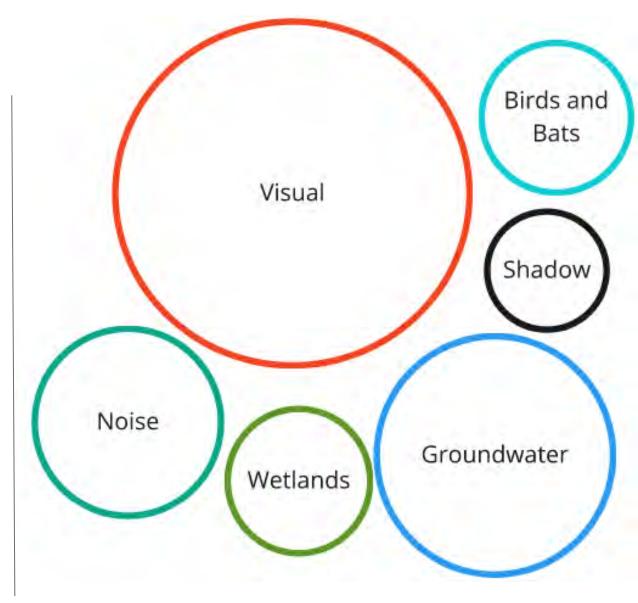
Noise: Typically below 50dB within property lines, and 35-40dB at nearest residence. Local bylaws are sometimes more stringent than ORES 94-c.

Shadow: 30 hours per year standard, although some bylaws are more stringent. Curtailment needed in some cases.

Groundwater: Concerns of foundation construction impacting aquifers or wells

Birds and Bats: Not typically main concern locally. Curtailment and operational conditions included in project assumptions.

Wetlands: Impacts usually avoidable or minor





Environmental Considerations and Concerns - Visual

- #1 concern
- Difficult to quantify
- Highly subjective



How's It Going?

The Good	<u>The Bad</u>
Coordination with State Agencies and FAADECSHPO	 SEQR Difficulty predicting what will be found a significant impact resulting in Pos Dec Inconsistent determination of appropriate mitigation
 A consistent review approach has been established Not 100% ironed out but making progress 	– Permitting• ~40% moratorium rate
	Extended TimelinesTwo projects approaching 2 years
	 Community Opposition



What Can We Do?

Guidance to Municipalities

- Bylaws
- SEQR

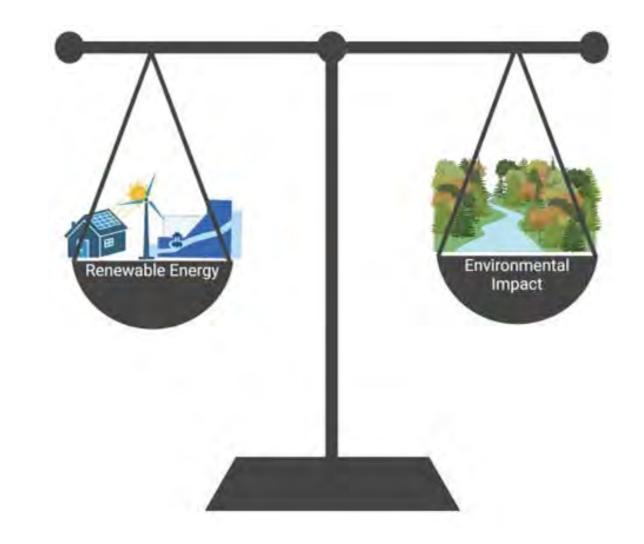
ORES Lite?

- CT Siting Council as an example
 - Jurisdiction down to 1MW
 - Streamlined, simplified process for renewables <65MW



Consistency is Key

- Eliminating uncertainty helps avoid poorly sited projects
- PV is more mature, but energy storage may run into similar challenges
- A consistent and efficient process allows more time and money that can be allocated to environmental protections





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