

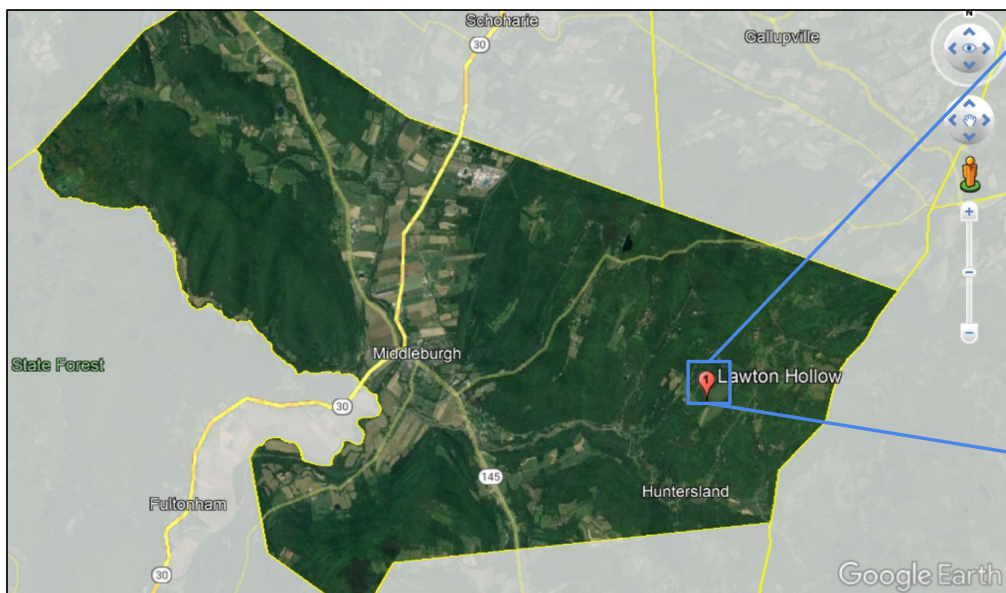
Community Wind - Middleburgh

February 10th, 2021



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Proposed Project Location

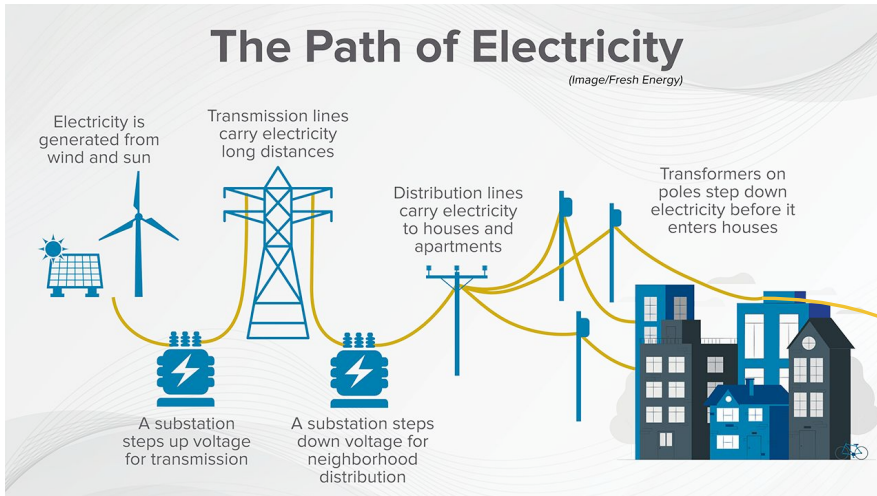


Aerial view of the proposed site

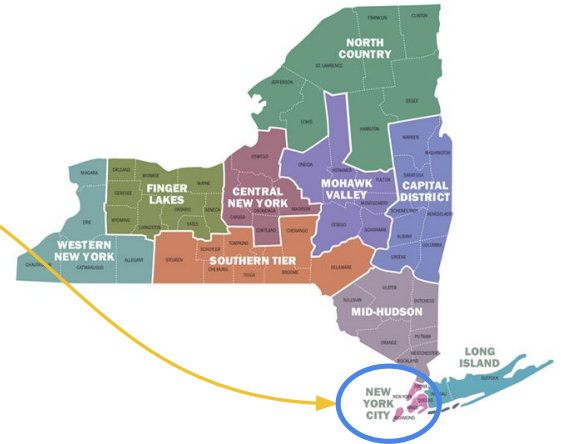
Proposed Project - Large Scale (Utility) vs. Small Scale (Community)

WE ARE NOT USING the Typical Model - Large Scale

- Large projects - electricity flows to large loads (e.g NYC)



Into large transmission lines, onto the wholesale electricity market



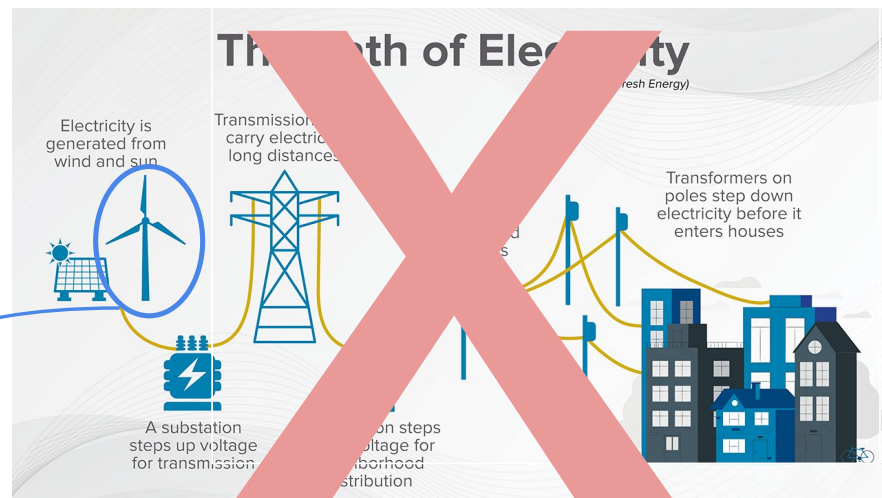
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Proposed Project - Large Scale (Utility) vs. Small Scale (Community)

Our Model - Community Scale

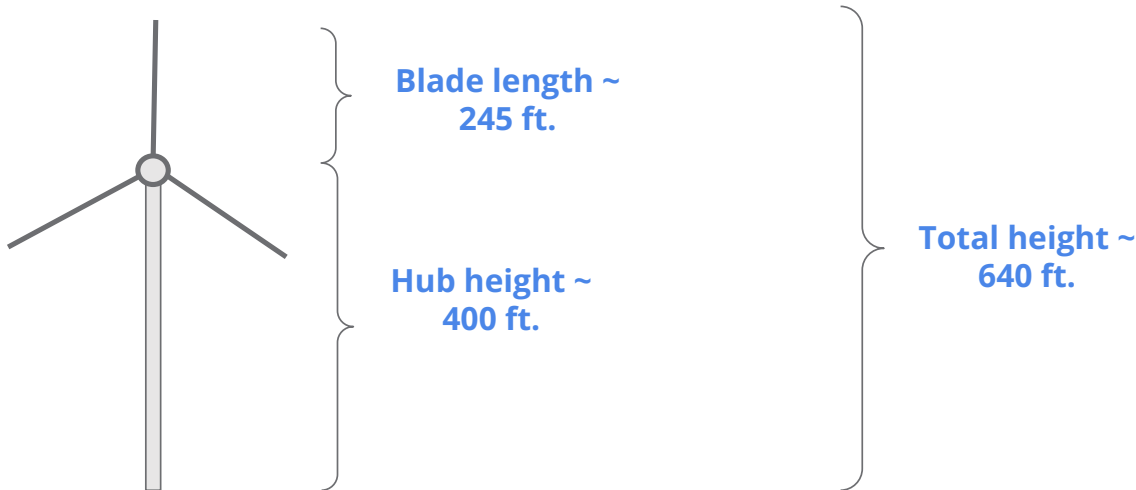
- **Locally** generated, **locally** consumed at a **10% discount**

Direct to homes, schools, & businesses in this region



Proposed Project - Potential Size(s) of Wind Turbines

Note all dimensions are approximate and subject to change



Proposed Project - Potential Size(s) of Wind Turbines

Generator Size - Potential range between 3.5MW - 5MW

Visual Appearance - Danish design - 3 bladed, upwind turbine (industry standard)

Wind Turbine Manufacturer - Potential vendors include General Electric, Vestas, and Siemens-Gamesa.

Wind Turbine Type - Type Certified* to international standards required by financial and insurance institutions



*IEC 61400-5:2020 specifies requirements to ensure the engineering integrity of wind turbine blades as well as an appropriate level of operational safety throughout the design lifetime.

Proposed Project - Overview

of Wind Turbines - 2

Type of Wind Turbine - TBD

Impact on Farming Operations - 5 acres (max)

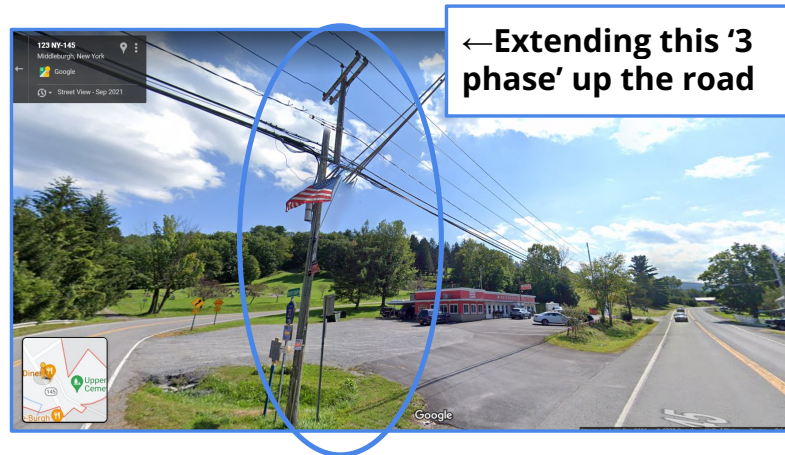
Project Developer - Dave Strong, Borrego

Project Builder - TBD

Project Owner - TBD

Electrical Interconnection* - Upgrade Hunstersland Rd. and Lawton Hollow Rd from single-phase to 3-phase electricity

**Distributed Generation projects do not require Transmission lines, the electricity stays on the local grid*



Proposed Project - Community Benefits

Compatible with Agricultural Uses

Tax Payments - School, County, Town* receive direct payments via taxes on the project or PILOT payments

Community Host Agreement - Direct compensation to the Town of Middleburgh

10% Discounted Electricity - Community Wind projects supply renewable energy to local ratepayer at a discount through the Community Distributed Generation Program in New York.

**Town typically receives small share of Taxes. A community wind project in Middleburgh can support a significant direct payment to the Town outside of the typical tax payments.*



Proposed Project - Studies & Next Steps

Avian & Wildlife Studies

Communication Path Study

FAA Study

Visual Impact Studies - **Need your help on this please!**

Sound Study

Shadow Flicker Study

Meteorological Study

Other required studies in Middleburgh ByLaw

NY State - SEQR

Timeline:

April 2022 - Bus Trip to see a wind turbine - please sign up, information below

May/June 2022 - Work with Town Board/Planning Board on next steps
- Present visual simulations?

Winter 2022 - Permitting & SEQR

Fall 2023 - Construction



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Please Contact Us with questions

NOTE - these slides will be posted here tomorrow

Visit our web page for the project

Scroll Down to the Bottom!

<https://go.borregoenergy.com/middleburgh>

Contact Us

Please contact us if you have comments, questions, or would like updates on the project.

Email*

First name

Last name

City

Comments or Questions

Would you like us to send you project status updates?*

☐ Yes

☐ No



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Visual Simulation locations?

From which locations should we take pictures? Please let us know in this 'Comments or Questions' section!

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☐ No

