

MEMORANDUM

- TO: North Yarmouth Planning Board Through Ben Scipione, Code Enforcement Officer
- CC: Chris Beyers, Branch Renewable Energy

From: Kate Burch, Planner, North Star Planning

RE: Boundary Line Solar Preapplication – Planning Board meeting April 26, 2023

Date: March 31, 2023

Overview

The applicant proposes to construct a 1 MW ground-mounted solar project on Doughty Road, to be owned by Boundary Line Solar, a subsidiary of Branch Renewable Energy. The property is owned by the Yarmouth Water District. It is listed as 0 Doughty Road on North Yarmouth Tax Maps. Approximately 7-8 acres of the 20.4 acre property will be disturbed. The property is in the Village Residential and Groundwater Protection Overlay zones.

The property is bisected by a CMP transmission line. It is a wooded lot that was formerly a gravel pit. This land cannot be used as residential or commercial development. It is not within any mapped habitat areas, and a formal consultation with Maine Inland Fisheries and Wildlife, as well as a formal natural resource and vernal pool survey, will take place in the spring.

Because this is a preapplication meeting, the Board is not expected to vote on the project. The findings of fact are included below to let the applicant know the standards that are relevant to this project and the standards that are not applicable. Based on review of solar projects from other Towns, if the application moves forward, the Board should consider the following:

- The inclusion of a decommissioning or removal plan if the solar facility ceases to produce power after twelve (12) consecutive months.
- The inclusion of an Operations and Maintenance Plan.
- Any performance guarantees.
- Provisions for security and emergency access.

Applicant: Chris Beyers

Owner: Branch Renewable Energy

Location: 0 Doughty Road

Zoning: Village Residential, Groundwater Protection Overlay

Tax Map Number: Map 1 Lot 3

Existing Land Use: former gravel pit

Proposed Land Use: ground-mounted solar

Acreage: 20.4 acres

Waivers: The applicant has not requested any waivers.

Site Walk: The Board should decide if a site walk for this project is necessary.

Public Hearing: A public hearing for this project has not been scheduled.

Preapplication Completeness Review: NSP reviewed the project for completeness and the project meets the preapplication submission requirements.

Site Plan Review - Findings of Fact:

1. Utilization of the Site

- The applicant plans to construct ground-mounted solar on the site of a former gravel pit.
- Approximately 7-8 acres of the 20 acre site will be disturbed.
- No habitat is identified on state maps; the applicant will consult with state agencies and conduct a vernal pool and natural resource survey in the spring.
- 2. Utilities
- The project will connect to the CMP power grid.
- No other utilities are required.
- 3. Building Standards
- Not applicable.
- 4. Impact on Community Facilities
- No negative impact on community facilities will result from this project.
- 5. Hazardous Materials and Emissions
- No hazardous materials or emissions will result from the project.
- 6. Exterior Lighting
- The applicant should clarify if any exterior lighting will be proposed for the project.
- 7. Financial and Technical Capacity
- The applicant should provide a deed or lease for the property in their next submission.
- The applicant should provide an itemized decommissioning estimate.
- 8. Landscaping, Buffers and Screening
- The solar array will be constructed in a forested area.

- The applicant should confirm if the solar array will be visible from any abutting property or public road.
- The applicant should confirm that existing vegetation on site will be retained and minimal grading is proposed.
- The applicant should confirm if any landscaping is being proposed.
- 9. Noise
- No noise levels in excess of the town standards will result from the project.
- The applicant should submit information on noise levels on inverters, transformers, and other electrical equipment.

10. Signs

- The applicant should confirm if any signs, particularly containing emergency contact information, will be installed for the project.
- 11. Storage of Materials
- No outside storage areas will be included for the project.
- 12. Stormwater Control
- The applicant should show what provisions are being made for stormwater control on the site plan.
- The applicant should clarify and discuss the DEP Standards for Stormwater Management that are relevant to this project.
- 13. Protection of Significant Wildlife Habitat
- The applicant should confirm if any significant wildlife habitat is located within the project area in the next submission.

14. Access Management and Vehicular Circulation

• The project will not produce vehicular traffic other than for construction and maintenance needs.

- The applicant should confirm if there is existing driveway access to the property, or if a new driveway is proposed.
- The applicant should confirm that the access road hammerhead turnaround is adequate for emergency vehicle access.
- 15. Pedestrian Ways and Bicycle Access
- No pedestrian or bicycle ways are being proposed for this project.
- 16. Off-Street Parking and Loading
- No off-street parking or loading will be included for the project.

Conclusions of Law:

- 1. The development **will/will not** reflect the natural capabilities of the site to support development.
- 2. Utilities serving developments in the Village Center District and Village Residential District **will/will not** be installed underground.
- 3. The proposed development **will/will not** result in a negative impact to the environment or to the community facilities or services.
- 4. The development **will/will not** contribute emission of dust, ash, smoke or other particular matter.
- 5. The proposed development **will/will not** have adequate exterior lighting to provide for its safe use during nighttime hours.
- 6. The landscape **will/will not** be preserved in its natural state, insofar as practicable, by minimizing tree and soil removal, retaining existing vegetation where desirable, and keeping any grade changes in character with the general appearance of neighboring areas.
- 7. The development **will/will not** control noise levels such that it **will/will not** create a nuisance for neighboring properties.
- 8. The size, location, design, color, texture, lighting and materials of all exterior signs **will/will not** detract from the design of proposed buildings and structures.
- 9. Exposed non-residential storage areas, exposed machinery, and areas used for storage **will/will not** have sufficient setbacks and screening.
- 10. Adequate provisions **will/will not** be made for the collection and disposal of all storm water that runs off proposed roads, parking areas, roofs and other surfaces.
- 11. Developments **will/will not** be designed to protect and conserve important wildlife habitat to the greatest extent feasible.
- 12. The layout of the site **will/will not** provide for the safe movement of passenger, service, and emergency vehicles throughout the site.
- 13. The site plan **will/will not** provide for a system of pedestrian ways within the development appropriate to the type and scale of development.
- 14. Parking areas **will/will not** be constructed to protect the natural environment and visual character of the community, improve pedestrian safety and accessibility, and promote the quality of life in developed areas.



3/9/23

Ben Scipione Code Enforcement Officer Town of North Yarmouth 10 Village Square Road North Yarmouth, ME 04097

RE: Boundary Line Solar Project: Pre-Application Request for Planning Board Presentation

Ben,

Branch Renewable Energy (Branch) has initiated early-stage development activities on a proposed 1 MW ground mounted solar project located on Doughty Road; the special purpose entity owning the project is Boundary Line Solar, LLC (Project), a subsidiary of Branch. In order to take the first steps of the Site Plan Review Application process, I am requesting to attend the April 11, 2023, Planning Board meeting to preview the project with the Planning Board.

The Project is located on Map 1, Lot 3 (Property) (See Attachment A). While the Property doesn't have a formal address, it is listed as 0 Doughty Road on the North Yarmouth Tax Maps and is owned by the Yarmouth Water District (YWD). The property is zoned as Village Residential and is within the Groundwater Protection Overlay (GPO)(See Attachment B). The previously approved solar project on Sweetser Road permitted by Branch on land owned by the YWD is also within the GPO and directly adjacent to 3 operating wells. YWD and its engineers did not deem that project a risk to the GPO even with the greater proximity to active wells.

The Property is bisected by a CMP transmission line and is a mostly wooded, former gravel pit. The Project is proposed on the southern portion of the Property, south of the transmission line. The total Limit of Disturbance (LOD) footprint of the Project is expected to be 7-8 acres (See Attachment C). This land cannot be used for housing or commercial building development, and solar likely serves as the highest and best use of the property. In fact, the previous disturbed nature of the gravel pit makes this an ideal location for a solar project.

The Project is not within any mapped rate, threatened, and endangered species habitats per the Beginning With Habitat Maps (See Attachment D), but formal agency consultation will be initiated with Maine Department of Inland Fisheries and Wildlife as well as Maine Natural Areas Program. Branch will also conduct a formal natural resources and vernal pool survey in the spring.

My goal is to present this initial due diligence of the Project to the Planning Board at the April 11 meeting and solicit feedback prior to submitting a formal Site Plan Review Application. Please let me know if you have any other questions in the meantime and if I can provide additional materials prior to the Planning Board meeting.

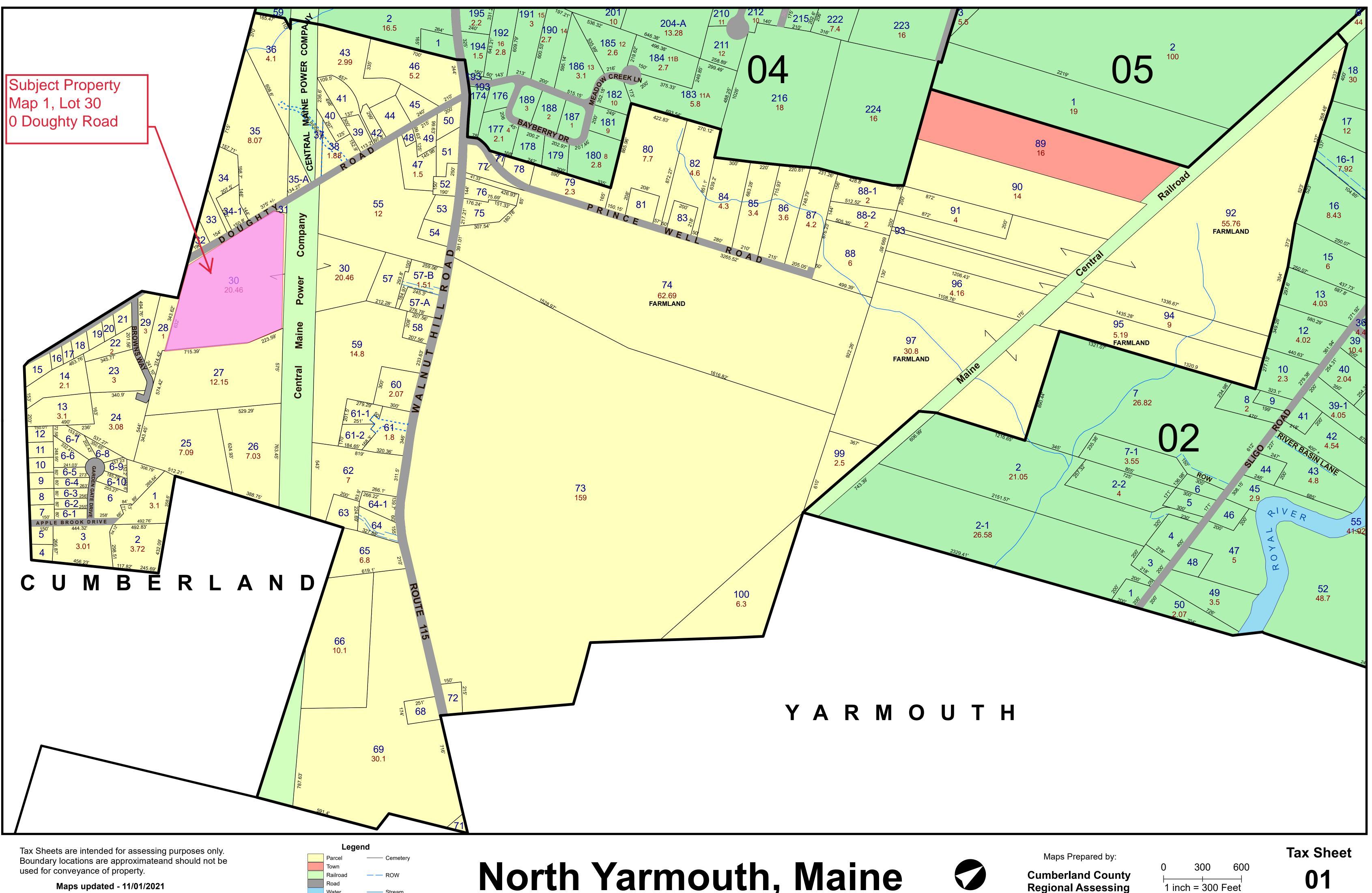
Sincerely,

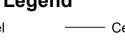
Chris Byers Principal Branch Renewable Energy cbyers@branchrenewables.com



Attachment A

North Yarmouth Tax Map



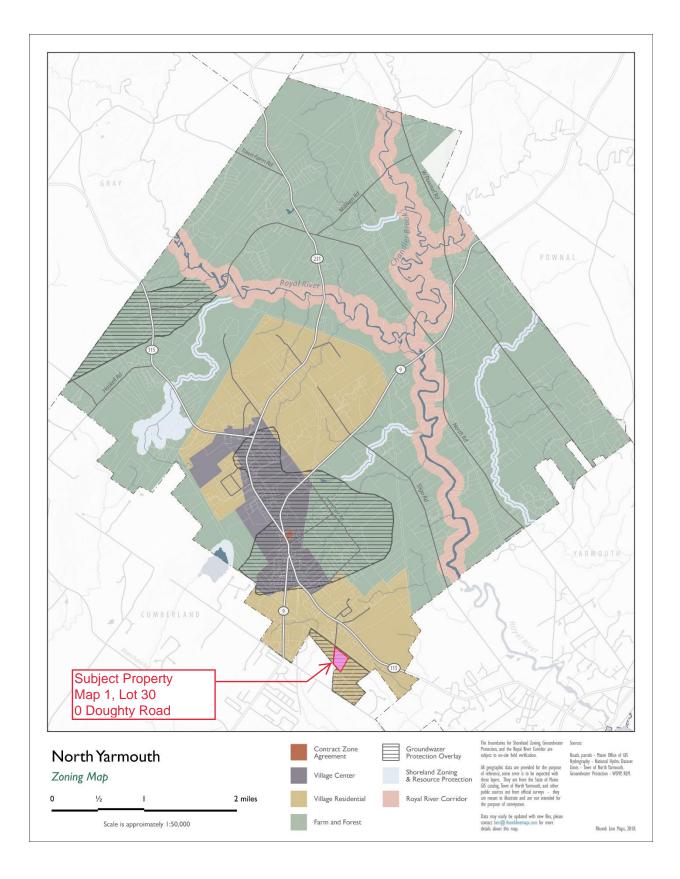


North Yarmouth, Maine



Attachment B

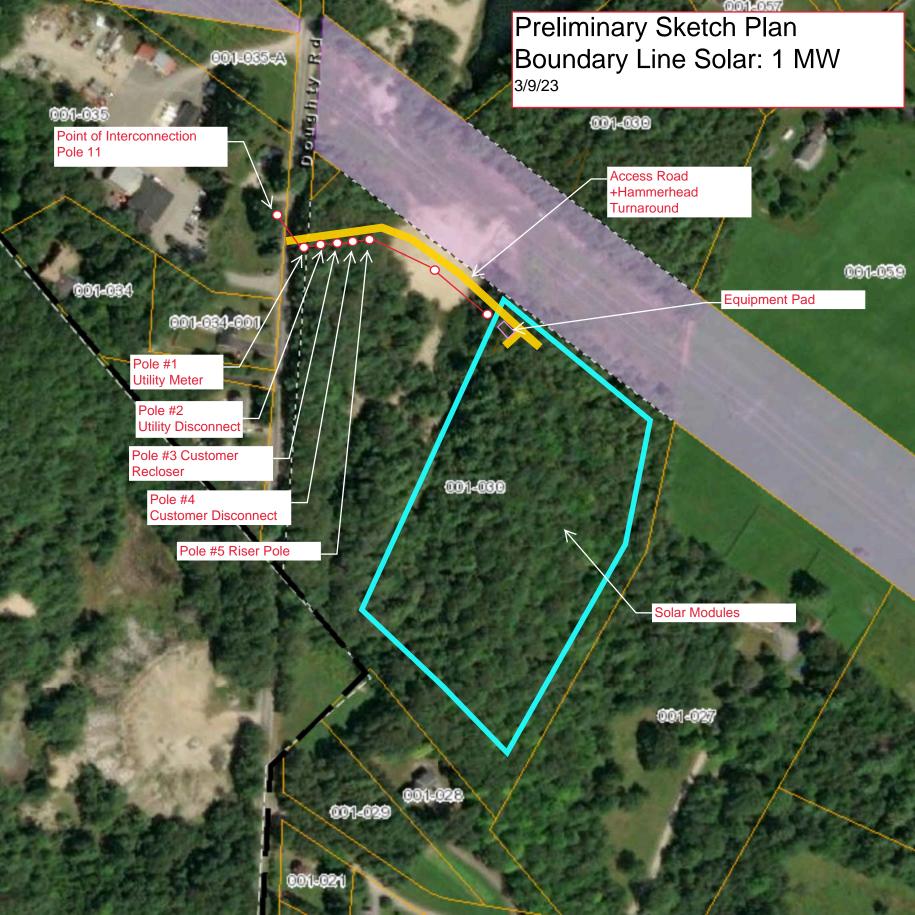
North Yarmouth Zoning Map





Attachment C

Preliminary Site Plan





Attachment D

Beginning With Habitat Map (North Yarmouth)

