

## Narrative

Revision Energy in conjunction with our customers are proposing a 14.3 kW ground mounted solar array on the parcel of land stamped as 2-232-OH, 88 Village Green, Henniker, NH 03242.

The proposed solar array would cover 685 sq. feet and would reside on the north central side of lot 2-232-OH. It will not create any noise post construction, smoke, glare, traffic obstructions, or a demand on water. It will generate clean, 100% renewable energy directly into Eversource's power grid.

The point of interconnection to export power to the grid is located at the house as shown on A003 site plan and is approx.110ft from the proposed solar array location.

The proposed solar array area is screened by existing tree cover surrounding the home and property and is within the town required setbacks. The array is not visible from the road or neighboring properties.

### Construction process;

- Utility Interconnection; The paperwork for interconnection has been filed with Eversource stating the system size and interconnection point on the existing building. The interconnection application and associated One Line Diagram (E400 of the plan set) has been approved. Post construction inspections will be completed prior to energizing the system.
- The proposed solar array can be constructed in approximately one week.
- The solar panels (modules) will be mounted to a seven-foot screw style post which will be installed by drill machinery prior to array construction (please see permit packet for equipment specifications).
- The modules will be installed on brackets on top of the posts.
- A 24-36" wide trench, spanning approx. 110' from the solar array to the interconnection point will need to be excavated in order to run wiring from the array to the point of interconnection.
- Inverters will be mounted to convert Direct Current power source (Photovoltaic) into an Alternating Current power source (home use).
- This project will not meaningfully impact the existing drainage and will not replace any existing permeable surfaces with non-permeable.
- The solar array does not require any grading. The final grade will remain in its previous state.



## REVISION ENERGY

**1. Standards of Review:** Following a fully noticed public hearing on the proposed use, the Planning Board may issue a Conditional Use Permit, if it finds, based on the information and testimony submitted with respect to the application, that:

- I. The use is specifically authorized as a conditional use;

The ground mounted solar array is allowed as a conditional use.

- II. The development in its proposed location will comply with all requirements of the Henniker Site Plan Regulations, as well as specific conditions established by the Planning Board.

We respectfully request a waiver under Section 203-14 of the full site plan review requirements. We believe the drawings and site plan submitted with the application adequately describe and show the location of the project.

- III. The use will not materially endanger the public health or safety;

The array will be constructed according to the standards of the building code applicable for the location of the Project and constructed in a skillful manner and fit for habitation or appropriate use. The work will meet National Electric Code and NABCEP certification requirements. The use of the array will not create any noise post construction, smoke, glare, traffic obstructions, or a demand on water. It will generate clean, 100% renewable energy directly into Eversource's power grid.

- IV. The use may provide adequate screening to ensure adjacent property values are not adversely impacted. Screening may be provided by maintaining existing vegetation or through the installation of site-specific evergreen landscaping, suitable fencing, or a combination thereof. Such screening shall be maintained during the operative lifetime of the Solar Energy System Conditional Use Permit.

The array is very well screened by existing vegetation. Please refer to sheets A003 and A004 of the site plan. The array is not visible from the street or from abutting properties.

- V. In granting a conditional use permit pursuant to this section, the Planning Board may impose any reasonable conditions or restrictions deemed necessary to carry out the intended purpose of this ordinance and to minimize any adverse effect of the proposed solar energy system on adjoining properties.