

## SOLAR SITE DESIGN WORKSHEET FOR A PROPOSED SUBDIVISION

HAVE YOU INCLUDED ANY OF THE FOLLOWING SOLAR-FRIENDLY DESIGN PRINCIPLES IN YOUR SUBDIVISION PLAN? (Check all below elements that apply)

Note that solar-friendly design is not required for subdivisions; however, developers are strongly encouraged to include solar-friendly design elements in their subdivision plans.

### Street and Lot Layout

- Home lots are arranged on streets that run within 20 degrees of east/west to maximize solar exposure

### House Orientation

- Homes are designed in a manner so that the longer axis of the house is aligned within 20 degrees of east/west in order to maximize solar exposure
- Homes are designed so that south-facing roof surfaces (and more generally, sections of the roof ideal for placement of solar energy systems) receive unobstructed sun between 9 am and 3 pm
- Homes are designed so that primary living spaces include a southern exposure
- Homes are designed so that at least 50% of window area contributes to passive heating during the heating season and are shaded in the cooling season
- Roof structures that might create shading and block PV arrays are installed on the north slope of the roof to minimize impacts

### Vegetation

- Plantings support passive heating and cooling techniques and do not shade roof surfaces ideal for solar energy systems

### Protection of solar access within the development

- Subdivision regulations protect the homeowners' right to install solar and eliminate potential obstructions from neighboring structures or vegetation

For any of the above design principles that were not included in your subdivision plan, please explain why:

This document is available for download and modification under the Permitting Guide tab on [Energize CT's Sun Rise New England - Open for Business website](#).