

# VIRGINIA POLLINATOR-SMART/ BIRD HABITAT SCORECARD

## Established Solar Sites



A successful Pollinator-Smart habitat will provide benefits to the environment and the solar site owner/operator in a number of key areas, including:

1. Pollinator services,
2. Biodiversity and habitat enhancement,
3. Carbon sequestration,
4. Erosion and sediment control, and;
5. Reduced vegetation maintenance over time.

The Virginia Solar Site Pollinator/Bird Habitat Scorecard is used to establish target conditions and/or evaluate the effectiveness of Pollinator-Smart measures once implemented. If the score thresholds are met, a site is deemed Pollinator-Smart.

### DEFINITIONS

**Open Area:** Any area beyond the panel zone, within the property boundary.

**Panel Zone:** The area underneath the solar arrays, including inter-row spacing.

**Screening Zone:** A vegetated visual barrier.

**Solar Native Plant Finder:** The Virginia Solar Site Native Plant Finder ([link](#)), an online research tool developed by the DCR Natural Heritage Program.

**Used by Pollinators:** Plant species with a “pollinator” designation on the Virginia Solar Site Native Plant Finder.

### RESOURCES

[Virginia Solar Site Native Plant Finder](#)

[Virginia’s Pollinator-Smart Solar Portal](#)

[Comprehensive Manual](#)

[Monitoring Plan](#)

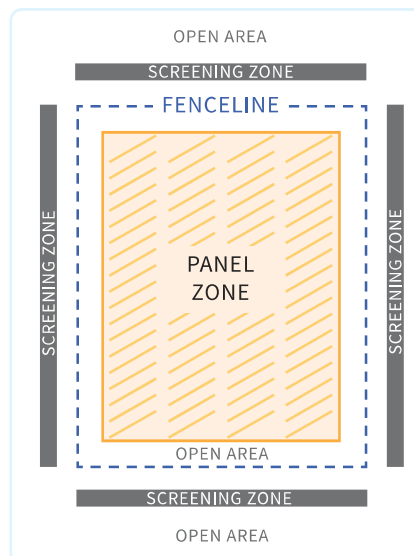
### INSTRUCTIONS

For detailed instructions on how to implement the scorecard, please refer to the [Comprehensive Manual](#).

1. All questions and fields must be filled out.
2. Submit your scorecard and associated documents via email to: [pollinator.smart@dcr.virginia.gov](mailto:pollinator.smart@dcr.virginia.gov)
3. A Proposed or Retrofit Solar Site Scorecard should be submitted during the initial planting year. To remain certified, an Established Sites Scorecard should be submitted in years 2, 4, 6, 8, and 10. A long-term management plan should also be submitted with the Established Sites Scorecard during year 10. If all criteria are met during year 10, the site will be considered pollinator-friendly for the life of the project.

### ATTACHMENTS PROVIDED

- Project Vicinity Map
- Vegetation Management Plan
- Vegetation Monitoring Report
- Invasive Species Mapping
- Research Collaboration Documentation
- Site Photos
- Long-term management plan (Year 10 only)



### PROJECT DETAILS & CONTACT INFORMATION

DATE: 10-3-2022

SITE OWNER OR DESIGNEE:

Sun Tribe Solar

PROJECT ADDRESS:

7114 Cople Highway

Hague, VA 22469

PROJECT SIZE (ACS AND MW):

4.24ac.

POINT OF CONTACT:

Sun Tribe Solar

Taylor Brown

EMAIL/PHONE:

taylor.brown@suntribesolar.com

423-987-2210

VEGETATION CONSULTANT:

Monarch Vegetation Services/VHB

### FINAL SCORE

**104.2**

Certified VA Pollinator-Smart: 80-99 pts

Gold Certified VA Pollinator-Smart: 100+ pts

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### VEGETATION

#### PANEL ZONE

- Percent of overall existing cover in the panel zone vegetated with Solar Native Plant Finder species (**max 15 pts**)
  - <5 percent (0)
  - 5-25 percent (5)
  - 26-50 percent (8)
  - 51-75 percent (10)
  - greater than 75 percent (15)
- Native grass diversity in panel zone (**max 5 pts**)
  - 1 or fewer species (0)
  - 2 species (2)
  - 3 or more species (5)

#### OPEN AREA

- Percent of overall existing cover within the open area vegetated with Solar Native Plant Finder species used by pollinators (**max 15 pts**)
  - <5 percent (0)
  - 5-25 percent (5)
  - 26-50 percent (8)
  - 51-75 percent (10)
  - greater than 75 percent (15)
- Total *number* of Solar Native Plant Finder species found within the open area (**max 15 pts**)
  - 9 or fewer species (0)
  - 10-19 species (5)
  - 20-29 species (8)
  - 30-39 species (10)
  - 40 or greater species (15)
- Within the open area, seasons with at least three (3) Solar Native Plant Finder species in flower (**max 10 pts**)  
**[CHECK ALL THAT APPLY]**
  - Spring (March-May) (2)
  - Early Summer (June-July 15) (2)
  - Late Summer (July 15-August) (4)
  - Fall (September-November) (2)

#### SCREENING ZONE

- Percent of overall existing cover in the screening area vegetated with Solar Native Plant Finder species (**max 15 pts**)
  - <5 percent (0)
  - 5-25 percent (5)
  - 26-50 percent (8)
  - 51-75 percent (10)
  - greater than 75 percent (15)

### SITE MANAGEMENT

#### PLANNING AND MAINTENANCE PRACTICES

- [CHECK ALL THAT APPLY] (max 25 pts)**
  - Site has an Approved<sup>1</sup> Vegetation Management Plan (15)
  - Vegetation monitoring<sup>2</sup> conducted annually (5)
  - Invasive species mapping and control conducted annually (5)
  - On-site use of insecticide (excluding safety/hazard spot treatment around buildings/electrical boxes, etc.) (-40)

#### INVASIVE SPECIES RISK

- [CHECK ALL THAT APPLY] (-20 pts possible)**
  - Combined cover of tall fescue across all three zones >10 percent (-10)
  - Combined cover of species on DNH Virginia Invasive Plant Species List across all three zones >10 percent (-10)

#### PUBLIC ENGAGEMENT AND RESEARCH

- [CHECK ALL THAT APPLY] (max 10 pts)**
  - 2 or more legible and accessible signs identifying pollinator and bird habitat present on-site (2.5)
  - Accessible bench and educational display present on-site (2.5)
  - Research collaboration with college, university, school, or research institute (5)

#### POLLINATOR/BIRD NESTING HABITAT ON-SITE

- [CHECK ALL FEATURES THAT ARE PRESENT ON-SITE] (20+ pts)**
  - Existing bare ground patches one square foot or larger, with undisturbed and well-drained soil (2)
  - Preserved upland forested communities or forest edge habitat that includes native flowering shrubs and young trees (8)
  - Cavity nesting sites (e.g. dead trees, snags, fallen logs, shrubs, plants with pithy-stemmed twigs such as native sumacs, roses, or blackberries) (2)
  - Created bee/bird nesting habitat features (e.g., boxes, tunnels, etc.) (0.2 pts per feature)<sup>3</sup> # feature: **11 x 0.2 = 2.2 pts.**
  - Preserved wetlands communities/presence of clean water source(s) (8)

<sup>1</sup> See guidelines for development of a Vegetation Management Plan [here](#). Vegetation Management Plans for solar sites are approved by the Virginia Pollinator-Smart Solar Industry Review Board. Vegetation Management Plans may be submitted [here](#).

<sup>2</sup> Vegetation monitoring should be conducted in accordance with the methods described [here](#). For the purposes of compliance, monitoring is only required every two years; therefore, annual monitoring is incentivized with additional points in the Scorecard.

<sup>3</sup> Up to a maximum of 10 points (50 features)