### GROUP 1  Install Cost

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Total Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Mobilization</td>
<td>1.00 LS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>Herbicide Application #1</td>
<td>27.80 ACRE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>Herbicide Application #2</td>
<td>27.80 ACRE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>Seed (Material Only)</td>
<td>27.80 ACRE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td>Seed Installation</td>
<td>27.80 ACRE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total:***

### GROUP 2  Maintenance Cost

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Total Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Maintenance Year 1</td>
<td>27.80 ACRE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>Maintenance Year 2</td>
<td>27.80 ACRE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>Maintenance Year 3</td>
<td>27.80 ACRE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total:***

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**Total For Install Cost**

**Total For Maintenance Cost**

**Total:**
Monarch Vegetation Services, Inc. is qualifying this bid with the following conditions:

1) No permits will be obtained by MVS, Inc.
2) Contractor will provide reasonable access to the site through the duration of the project.
3) Bid proposal was calculated using non-union, non-prevailing wages.
4) Prices valid for 30 days from this date.
5) MVS, Inc. will not be responsible for any site grading, topsoil furnishing or placing or surveying. Fine grading as specified in the contract documents, shall be performed by the prime contractor. All areas to be seeded by MVS, Inc. shall already be free of rubbish, sticks, roots, and stones.
6) Warranty does not cover mortality due to circumstances beyond the control of MVS, Inc. such as animal predation, herbivory damage, improper hydrologic regime, vandalism, storm damage. Native seedings can take up to 3 years to mature. It is important to follow up with a 3-year maintenance/establishment plan to reduce invasive species on site. This 3-year maintenance/establishment period is a requirement for a valid warranty. This proposal includes a 3-year maintenance/establishment period which includes a 75% native vegetation coverage by the end of the third growing season.
7) Group 1 Line item 01 includes delivery and removal of equipment, materials, and labor to perform the seeding scope of this project.
8) Group 1 Line items 02 and 03 include herbicide applications to kill existing vegetation on site. If there is existing vegetation on site, it must be killed prior to pollinator friendly seeding to reduce competition with the new seeding. If there is no existing vegetation, line items 02 and 03 can be removed from the contract.
9) Group 1 Line item 04 includes the pollinator and cover crop seed mix material only. The included cover crop will be oats, grain rye, depending on the time of year for seeding. The included pollinator friendly seed mix can be planted from October 15 - May 31. Seeding will not be warrantied if planting from June 1 - October 14. Native seeding follows a different seeding window than naturalized turf type species.

<table>
<thead>
<tr>
<th>Bloom Period</th>
<th>% mix (bulk)</th>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Height</th>
<th>seeds/#</th>
<th>seeds/#/mix</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-25%</td>
<td>0.05</td>
<td>Agrostis perennans</td>
<td>Autumn bent grass</td>
<td>3.5</td>
<td>8000000</td>
<td>400000</td>
</tr>
<tr>
<td>.5-3%</td>
<td>0.02</td>
<td>Eragrostis Spectabilis</td>
<td>Purple lovegrass</td>
<td>1.5</td>
<td>1000000</td>
<td>20000</td>
</tr>
<tr>
<td>10-67%</td>
<td>0.25</td>
<td>Schizachyrium scoparium</td>
<td>Little bluestem</td>
<td>3.9</td>
<td>241000</td>
<td>48200</td>
</tr>
<tr>
<td>5-50%</td>
<td>0.237</td>
<td>Bouteloua curtipendula</td>
<td>Sideoats grama</td>
<td>3.2</td>
<td>159000</td>
<td>37638</td>
</tr>
<tr>
<td>may-jul .1-.5%</td>
<td>0.005</td>
<td>Pestimone hirsutus</td>
<td>Hairy beardedtounge</td>
<td>2.9</td>
<td>3877000</td>
<td>19385</td>
</tr>
<tr>
<td>jul-sept 1-4%</td>
<td>0.026</td>
<td>Chamaecrista fasciculata</td>
<td>Partridge pea</td>
<td>2.9</td>
<td>65000</td>
<td>1690</td>
</tr>
<tr>
<td>apr-june .5-3%</td>
<td>0.02</td>
<td>Coreopsis lanceopata</td>
<td>Lanceleaf coreopsis</td>
<td>3.3</td>
<td>221000</td>
<td>4420</td>
</tr>
<tr>
<td>may-sept 1-15%</td>
<td>0.15</td>
<td>Gaillardia aristata</td>
<td>Perennial gaillardia (blanket flower)</td>
<td>2.3</td>
<td>186000</td>
<td>27900</td>
</tr>
<tr>
<td>may-sept .1-1%</td>
<td>0.002</td>
<td>Oenthera speciosa</td>
<td>Showy evening primrose</td>
<td>2</td>
<td>3436000</td>
<td>6872</td>
</tr>
<tr>
<td>jul-oct .1-3%</td>
<td>0.03</td>
<td>Rudbeckia hirta</td>
<td>Blackeyed susan</td>
<td>3.3</td>
<td>1576000</td>
<td>47280</td>
</tr>
<tr>
<td>aug-oct .5-3%</td>
<td>0.025</td>
<td>Aster prenanthoides</td>
<td>Zig zag aster</td>
<td>3.3</td>
<td>700000</td>
<td>17500</td>
</tr>
<tr>
<td>july-sept .3-1%</td>
<td>0.05</td>
<td>Monarda punctata</td>
<td>Spotted beebalm</td>
<td>3.3</td>
<td>1472000</td>
<td>73600</td>
</tr>
<tr>
<td>may-july .5-3%</td>
<td>0.03</td>
<td>Anemone canadensis</td>
<td>Canadian anemone</td>
<td>2.3</td>
<td>131660</td>
<td>3949.8</td>
</tr>
</tbody>
</table>

4/01/2021 10:27AM
Estimator: Randi Grout
For Job: Castignetti Solar Seeding
10) Group 1 Line item 05 includes the installation of the pollinator and cover crop seed mix. Seed mix will be drill seeded in areas accessible with tractor and no till drill seeder. Areas inaccessible with tractor and drill seeder such as under panels will be broadcast seeded. Areas under panels will be scarified to provide better seed to soil contact where broadcast seeding will occur if racking system allows access to perform scarification.

11) Group 2 Line items 01, 02, and 03 include the three-year maintenance/establishment period after seeding. Each year, three maintenance visits will be made to perform either mowing, spot spraying, overseeding in thin spots. Maintenance treatments per visit will based on site inspections to determine what the best maintenance practice will be for the given site conditions. The line items for each year are based on site maintenance per acre per year to include the site inspections and maintenance tasks for each year.

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Thank you for the opportunity to submit this bid. If you have any questions, please feel free to call our office. MVS, Inc. looks forward to working with you on this project.
### Solar Site Pollinator Habitat Scorecard

*For site and seed mix planning, designing, and assessment.* Pollinator planting area shall always be managed to prevent and eliminate invasive species as defined in 6 V.S.A. chapter 217 § 5101(2). Scorecards must be renewed every three years or sooner. Standards below refer either to the site plan or an established site. The site area is consistent with the ‘Limits of Disturbance’ per Net Meter Rule 5.103.

1. **Percent site’s vegetative cover is flowering species** (select one)
   - 1-15 percent (5 points)
   - 16-30 percent (10 points)
   - 31-45 percent (15 points)
   - 46-60 percent (20 points)

2. **Flowering perennial species to be used** (select all that apply)
   - Includes species of Northern New England and adjacent New York provenance (5 points)
   - Amount of seed to be planted (lbs/acre) is determined according to seed provider’s recommended application rate and/or planting density for planted species in the target area (5 points)
   - Includes only VT native or naturalized perennial species. (15 points) *Species native to the biophysical region preferred.*

3. **Cover diversity within the ground cover area** (# of flowering plant species that constitute >2 percent cover each; select one)
   - 1-9 species (5 points)
   - 10-19 species (10 points)
   - 20 or more species (15 points)

4. **Seasons with at least 3 blooming species with >2 percent cover each** (select all that apply)
   - Spring (10 points)
   - Early summer (5 points)
   - Late summer (5 points)
   - Fall (5 points)

5. **Observed pollinator nesting habitat within 0.25 miles** (select all that apply)
   - Bare ground patches one square foot or larger, with undisturbed and well-drained soil (2 points)
   - Forest edge habitat that includes flowering shrubs and young trees (2 points)
   - Cavity nesting sites (e.g., dead trees, snags, fallen logs, shrubs, plants with pithy-stemmed twigs such as sumac, rose, raspberry) (2 points)
   - Creation of nesting habitat features (e.g., boxes, tunnels) (0.2 points per feature)
     - # features: \( \times 0.2 = 0.00 \) points

6. **Pollinator management practices** (select all that apply)
   - Mowing occurs only after October 15, and before May 1 each year; mowing height is 5” or higher (5 points)
   - Detailed establishment & management plan (10 points)
   - Detailed plant & wildlife monitoring plan (10 points)

7. **Pesticide risk** (select if applicable)
   - On-site insecticide use on plants (includes prior application to seeds/plants.) (40 points)

8. **Vegetation buffer adjacent to the solar site** (select all that apply)
   - At least 50% of buffer area vegetative cover planted with flowering plant species (5 points)
   - At least 50% of buffer area vegetative cover planted with VT native or naturalized shrub species (5 points) *Species native to the biophysical region preferred.*
   - Buffer at least 30 feet wide (10 points)

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**Pollinator-Friendly Score:** 102.0

Meet *Pollinator-friendly Solar* Standard: 70-84

Provides Excellent Habitat: >85

**Site Owner or Designee:** NYSOLAR03

**Date:** 23/25/2021

**Vegetation Consultant:** Monarch Vegetation Services

**Seed Supplier:** Ernst Seed

**Project Address:** 3450 W Lake Rd

**Target Seeding Date:** 3/1/2022

**Project Size:** 5.0 MWac

The signer certifies that the solar site adheres to this Scorecard in accordance with 6 V.S.A. chapter 217. The practices called for in this Scorecard are subordinate to any requirements of applicable State permits, agency rules or guidance. All solar projects must comply with applicable Vermont Public Utility Commission and Agency of Natural Resources permit conditions, even if those conditions conflict with practices favored by this Scorecard.

Upload completed scorecard at: go.uvm.edu/pollinator-friendly-solar