Habitat Friendly Solar Site Standard Assessments,
Aurora Distributed Solar Energy Project

Aurora Distributed Solar, LLC
550 Lincoln Drive
Edina, MN 55436

February 25, 2021
Habitat Friendly Solar Site Standards for Aurora Distributed Solar Energy Project

The Minnesota Board of Water and Soil Resources promotes the planning and management of vegetation on solar energy production sites to provide benefits to gamebirds, songbirds, and pollinators by implementing a pollinator plan to meet Habitat Friendly Solar Site Standards. Habitat assessments are used to address project design and vegetation management in order to quantify pollinator scores.

Aurora Distributed Solar, LLC (Aurora) built and operates a distributed photovoltaic solar energy generating system producing a total of up to 100 megawatts at 16 separate facilities, encircling the greater Minneapolis – St. Paul region. A project planning habitat assessment was performed for the 16 Aurora Solar sites in 2017. All of the 16 sites met the gold standard for pollinator habitat planning, with scores greater than 85. In 2020 an establishment planting assessment was conducted, based on quantitative monitoring data of the project sites. All of the established sites met the pollinator habitat standard, with a score of greater than 70. Ten of the established sites met the gold standard, providing exceptional habitat for gamebirds, songbirds, and pollinators, with scores greater than 85.

### Aurora Solar MNDNR Habitat Assessment Results

<table>
<thead>
<tr>
<th>Aurora Solar Site</th>
<th>2017 Project Planning Habitat Assessment</th>
<th>2020 Establishment Planting Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albany</td>
<td>89</td>
<td>97</td>
</tr>
<tr>
<td>Annandale</td>
<td>91</td>
<td>110</td>
</tr>
<tr>
<td>Atwater</td>
<td>91</td>
<td>75</td>
</tr>
<tr>
<td>Chisago</td>
<td>91</td>
<td>77</td>
</tr>
<tr>
<td>Dodge Center</td>
<td>91</td>
<td>97</td>
</tr>
<tr>
<td>Eastwood</td>
<td>91</td>
<td>120</td>
</tr>
<tr>
<td>Hastings</td>
<td>89</td>
<td>80</td>
</tr>
<tr>
<td>Lake Emily</td>
<td>91</td>
<td>93</td>
</tr>
<tr>
<td>Lake Pulaski</td>
<td>91</td>
<td>100</td>
</tr>
<tr>
<td>Lawrence Creek</td>
<td>91</td>
<td>97</td>
</tr>
<tr>
<td>Montrose</td>
<td>91</td>
<td>73</td>
</tr>
<tr>
<td>Paynesville</td>
<td>91</td>
<td>77</td>
</tr>
<tr>
<td>Pine Island</td>
<td>91</td>
<td>83</td>
</tr>
<tr>
<td>Waseca</td>
<td>91</td>
<td>96</td>
</tr>
<tr>
<td>West Faribault</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>West Waconia</td>
<td>91</td>
<td>98</td>
</tr>
</tbody>
</table>
2017

Project Planning

Habitat Assessment Forms
### Solar Site Pollinator Habitat Assessment Form for Project Planning

For solar companies and local governments to meet pollinator/wildlife habitat certification

<table>
<thead>
<tr>
<th>1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 31-45 %</td>
</tr>
<tr>
<td>□ 46-60 %</td>
</tr>
<tr>
<td>X 61+ %</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 26-50%</td>
</tr>
<tr>
<td>□ 51-75%</td>
</tr>
<tr>
<td>X 76-100%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 10-19 species</td>
</tr>
<tr>
<td>□ 20-25 species</td>
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<tr>
<td>X 26 or more species</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Spring (April-May)</td>
</tr>
<tr>
<td>X Summer (June-August)</td>
</tr>
<tr>
<td>X Fall (September-October)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Native bunch grasses for nesting</td>
</tr>
<tr>
<td>X Native trees/shrubs for nesting</td>
</tr>
<tr>
<td>□ Clean, perennial water sources</td>
</tr>
<tr>
<td>□ Created nesting feature/s (bee blocks, etc.)</td>
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<table>
<thead>
<tr>
<th>6. SITE PLANNING AND MANAGEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Detailed establishment and management plan developed (see example plan) with funding/contract to implement</td>
</tr>
<tr>
<td>X Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.)</td>
</tr>
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<table>
<thead>
<tr>
<th>7. SEED MIXES</th>
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</thead>
<tbody>
<tr>
<td>X Mixes are composed of at least 40 seeds per square foot</td>
</tr>
<tr>
<td>□ All seed genetic origin within 175 miles of site (pg.7-8 of Guidance)</td>
</tr>
<tr>
<td>□ At least 2% milkweed cover to be established from seed/plants</td>
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<tr>
<th>8. INSECTICIDE RISK</th>
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<tr>
<td>□ Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.)</td>
</tr>
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<td>□ Communication/registration with local chemical applicators about need to prevent drift from adjacent areas.</td>
</tr>
</tbody>
</table>

See BWSR Pollinator Toolbox about bloom seasons

Grand Total: 89

Provides Exceptional Habitat: >85
Meets Pollinator Standards: 70-84

Project Name: **Aurora Albany**
Vegetation Consultant: **Jake Janski**
Project County: **Stearns**
Project Size: **100 Acres**
Projected Seeding Date: **July 2017**

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
# Solar Site Pollinator Habitat Assessment Form for Project Planning

For solar companies and local governments to meet pollinator/wildlife habitat certification

## 1. Percent of Proposed Site Vegetation Cover to Be Dominated by Wildflowers
- [ ] 31-45%
- [ ] 46-60%
- [X] 61+

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

### Points
- +5 points
- +10 points
- +15 points

Total points: **15**

## 2. Planned % of Site Dominated by Native Species Cover
- [ ] 26-50%
- [ ] 51-75%
- [X] 76-100%

### Points
- +5 points
- +10 points
- +15 points

Total points: **15**

## 3. Planned Cover Diversity (# of species in seed mixes; numbers from upland and wetland mixes can be combined)
- [ ] 10-19 species
- [ ] 20-25 species
- [X] 26 or more species

### Points
- +5 points
- +10 points
- +15 points

Total points: **15**

Exclude invasives from species totals.

## 4. Planned Seasons with At Least 3 Blooming Species Present (check/add all that apply)
- [X] Spring (April-May) +5 points
- [X] Summer (June-August) +5 points
- [X] Fall (September-October) +5 points

Total points: **15**

See BWSR [Pollinator Toolbox](#) about bloom seasons

## 5. Available Habitat Components Within .25 Miles (check/add all that apply)
- [X] Native bunch grasses for nesting +2 points
- [X] Native trees/shrubs for nesting +2 points
- [X] Clean, perennial water sources +2 points
- [ ] Created nesting feature/s (bee blocks, etc.) +2 points

Total points: **6**

## 6. Site Planning and Management

- [X] Detailed establishment and management plan developed with funding/contract to implement +15 points
- [X] Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.) +5 points

Total points: **20**

## 7. Seed Mixes

- [X] Mixes are composed of at least 40 seeds per square foot +5 points
- [ ] All seed genetic origin within 175 miles of site (**pg.7-8 of Guidance**) +5 points
- [X] At least 2% milkweed cover to be established from seed/plants +10 points

Total points: **5**

## 8. Insecticide Risk

- [ ] Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.) -40 points
- [X] Communication/registration with local chemical applicators about need to prevent drift from adjacent areas. +10 points

Total points: **10**

Grand Total: **91**

Provides Exceptional Habitat: >85
Meets Pollinator Standards: 70-84

**Project Name:** **Aurora Annandale**

**Vegetation Consultant:** **Jake Janski**

**Project County:** **Wright**

**Project Size:** **66 Acres**

**Projected Seeding Date:** **June-Nov 2017**

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to **dan.shaw@state.mn.us**

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
**Solar Site Pollinator Habitat Assessment Form for Project Planning**
For solar companies and local governments to meet pollinator/wildlife habitat certification

### 1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>31-45%</td>
<td>+5</td>
</tr>
<tr>
<td>46-60%</td>
<td>+10</td>
</tr>
<tr>
<td>61+%</td>
<td>+15</td>
</tr>
</tbody>
</table>

Total points: **15**

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

### 2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>26-50%</td>
<td>+5</td>
</tr>
<tr>
<td>51-75%</td>
<td>+10</td>
</tr>
<tr>
<td>76-100%</td>
<td>+15</td>
</tr>
</tbody>
</table>

Total points: **15**

### 3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)

<table>
<thead>
<tr>
<th>Number of Species</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-19</td>
<td>+5</td>
</tr>
<tr>
<td>20-25</td>
<td>+10</td>
</tr>
<tr>
<td>26 or more</td>
<td>+15</td>
</tr>
</tbody>
</table>

Total points: **15**

Exclude invasives from species totals.

### 4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+5</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5</td>
</tr>
</tbody>
</table>

Total points: **15**

See BWSR Pollinator Toolbox about bloom seasons

### 5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+2</td>
</tr>
<tr>
<td>Native trees/shrubs for nesting</td>
<td>+2</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+2</td>
</tr>
<tr>
<td>Created nesting feature/s (bee blocks, etc.)</td>
<td>+2</td>
</tr>
</tbody>
</table>

Total points: **6**

### 6. SITE PLANNING AND MANAGEMENT

- Detailed establishment and management plan developed (see example plan) with funding/contract to implement +15 points
- Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.) +5 points

Total points: **20**

### 7. SEED MIXES

- Mixes are composed of at least 40 seeds per square foot +5 points
- All seed genetic origin within 175 miles of site (pg. 7-8 of Guidance) +5 points
- At least 2% milkweed cover to be established from seed/plants +10 points

Total points: **5**

### 8. INSECTICIDE RISK

- Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.) -40 points
- Communication/registration with local chemical applicators about need to prevent drift from adjacent areas. +10 points

Total points: **15**

Grand Total: **91**

Provides Exceptional Habitat >85
Meets Pollinator Standards 70-84

**Project Name:** Aurora Atwater
**Vegetation Consultant:** Jake Janski
**Project County:** Kandiyohi
**Project Size:** 35 Acres
**Projected Seeding Date:** June 2017

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
## Solar Site Pollinator Habitat Assessment

### Form for Project Planning

For solar companies and local governments to meet pollinator/wildlife habitat certification

<table>
<thead>
<tr>
<th>1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 31-45 %</td>
<td>+5 points</td>
</tr>
<tr>
<td>□ 46-60 %</td>
<td>+10 points</td>
</tr>
<tr>
<td><strong>X</strong> 61+ %</td>
<td>+15 points</td>
</tr>
</tbody>
</table>

Total points **15**

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

<table>
<thead>
<tr>
<th>2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 26-50%</td>
<td>+5 points</td>
</tr>
<tr>
<td>□ 51-75%</td>
<td>+10 points</td>
</tr>
<tr>
<td><strong>X</strong> 76-100%</td>
<td>+15 points</td>
</tr>
</tbody>
</table>

Total points **15**

<table>
<thead>
<tr>
<th>3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>□ 10-19 species</td>
<td>+5 points</td>
</tr>
<tr>
<td>□ 20-25 species</td>
<td>+10 points</td>
</tr>
<tr>
<td><strong>X</strong> 26 or more species</td>
<td>+15 points</td>
</tr>
</tbody>
</table>

Total points **15**

Exclude invasives from species totals.

<table>
<thead>
<tr>
<th>4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>X</strong> Spring (April-May)</td>
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</tr>
<tr>
<td><strong>X</strong> Summer (June-August)</td>
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</tr>
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</table>

Total points **15**

See BWSR Pollinator Toolbox about bloom seasons

<table>
<thead>
<tr>
<th>5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>□ Native bunch grasses for nesting</td>
<td>+2 points</td>
</tr>
<tr>
<td><strong>X</strong> Native trees/shrubs for nesting</td>
<td>+2 points</td>
</tr>
<tr>
<td><strong>X</strong> Clean, perennial water sources</td>
<td>+2 points</td>
</tr>
<tr>
<td>□ Created nesting feature/s (bee blocks, etc.)</td>
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Total points **6**

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<tr>
<th>6. SITE PLANNING AND MANAGEMENT</th>
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<tr>
<td><strong>X</strong> Detailed establishment and management plan developed (see example plan) with funding/contract to implement</td>
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<tr>
<td><strong>X</strong> Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.)</td>
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Total points **20**

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<tr>
<th>7. SEED MIXES</th>
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<tr>
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Total points **5**

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<thead>
<tr>
<th>8. INSECTICIDE RISK</th>
<th></th>
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<tbody>
<tr>
<td>□ Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.)</td>
<td>-40 points</td>
</tr>
<tr>
<td>□ Communication/registration with local chemical applicators about need to prevent drift from adjacent areas.</td>
<td>+10 points</td>
</tr>
</tbody>
</table>

Grand Total **91**

Provides Exceptional Habitat >85

Meets Pollinator Standards 70-84

<table>
<thead>
<tr>
<th>Project Name: <strong>Aurora Chisago</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetation Consultant: <strong>Jake Janski</strong></td>
<td></td>
</tr>
<tr>
<td>Project County: <strong>Chisago</strong></td>
<td></td>
</tr>
<tr>
<td>Project Size: <strong>53 Acres</strong></td>
<td></td>
</tr>
<tr>
<td>Projected Seeding Date: <strong>April 2017</strong></td>
<td></td>
</tr>
</tbody>
</table>

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
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Form for Project Planning
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1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS
☐ 31-45 %  +5 points
☐ 46-60 %  +10 points
☐ 61+ %  +15 points
Total points 15

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER
☐ 26-50%  +5 points
☐ 51-75%  +10 points
☐ 76-100%  +15 points
Total points 15

3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)
☐ 10-19 species  +5 points
☐ 20-25 species  +10 points
☐ 26 or more species  +15 points
Total points 15

Exclude invasives from species totals.

4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)
☐ Spring (April-May)  +5 points
☐ Summer (June-August)  +5 points
☐ Fall (September-October)  +5 points
Total points 15

See BWSR Pollinator Toolbox about bloom seasons

5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)
☐ Native bunch grasses for nesting  +2 points
☐ Native trees/shrubs for nesting  +2 points
☐ Clean, perennial water sources  +2 points
☐ Created nesting feature/s (bee blocks, etc.)  +2 points
Total points 6

6. SITE PLANNING AND MANAGEMENT
☒ Detailed establishment and management plan developed (see example plan) with funding/contract to implement  +15 points
☒ Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.)  +5 points
Total points 20

7. SEED MIXES
☒ Mixes are composed of at least 40 seeds per square foot  +5 points
☐ All seed genetic origin within 175 miles of site (pg.7-8 of Guidance)  +5 points
☐ At least 2% milkweed cover to be established from seed/plants  +10 points
Total points 5

8. INSECTICIDE RISK
☐ Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.)  -40 points
☒ Communication/registration with local chemical applicators about need to prevent drift from adjacent areas.  +10 points
Total points

Grand Total 91

Provides Exceptional Habitat >85
Meets Pollinator Standards 70-84

Project Name: Aurora Dodge Center
Vegetation Consultant: Jake Janski
Project County: Dodge
Project Size: 59 Acres
Projected Seeding Date: July-Nov 2017

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
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For solar companies and local governments to meet pollinator/wildlife
habitat certification

1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE
   DOMINATED BY WILDFLOWERS
   - 31-45 %  +5 points
   - 46-60 %  +10 points
   - 61+ %  +15 points
   Total points 15

Note: Projects may have “array” mixes and diverse border mixes;
forb dominance should be averaged across the entire site. The
dominance should be calculated from total numbers of forb
seeds vs. grass seeds (from all seed mixes) to be planted.

2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES
   COVER
   - 26-50%  +5 points
   - 51-75%  +10 points
   - 76-100% +15 points
   Total points 15

3. PLANNED COVER DIVERSITY (# of species in seed mixes;
   numbers from upland and wetland mixes can be combined)
   - 10-19 species  +5 points
   - 20-25 species  +10 points
   - 26 or more species  +15 points
   Total points 15

Exclude invasives from species totals.

4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING
   SPECIES PRESENT (check/add all that apply)
   - Spring (April-May)  +5 points
   - Summer (June-August)  +5 points
   - Fall (September-October)  +5 points
   Total points 15

See BWSR Pollinator Toolbox about bloom seasons

5. AVAILABLE HABITAT COMPONENTS WITHIN
   .25 MILES (check/add all that apply)
   - Native bunch grasses for nesting  +2 points
   - Native trees/shrubs for nesting  +2 points
   - Clean, perennial water sources  +2 points
   - Created nesting feature/s
     (bee blocks, etc.)  +2 points
   Total points 6

6. SITE PLANNING AND MANAGEMENT
   - Detailed establishment and
     management plan developed
     (see example plan) with funding/
     contract to implement  +15 points
   - Signage legible at forty or more
     feet stating pollinator friendly
     solar habitat (at least 1 every 20ac.)  +5 points
   Total points 20

7. SEED MIXES
   - Mixes are composed of at least
     40 seeds per square foot  +5 points
   - All seed genetic origin within 175 miles of site (pg.7-8 of Guidance)  +5 points
   - At least 2% milkweed cover to
     be established from seed/plants  +10 points
   Total points 5

8. INSECTICIDE RISK
   - Planned on-site insecticide
     use or pre-planting seed/plant
     treatment (excluding buildings/
     electrical boxes, etc.)  -40 points
   - Communication/registration
     with local chemical applicators
     about need to prevent drift from
     adjacent areas  +10 points
   Total points

Grand Total 91

Provides Exceptional Habitat  >85
Meets Pollinator Standards  70-84

Project Name:  Aurora Eastwood
Vegetation Consultant:  Jake Janski
Project County:  Blue Earth
Project Size:  46 Acres
Projected Seeding Date:  Nov 2017

Send completed forms, project plans, seed mixes and
any communication with pesticide applicators to
dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground
surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is
recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in
question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc)
and can include introduced clovers and other non-native species beneficial to pollinators.
Solar Site Pollinator Habitat Assessment
Form for Project Planning
For solar companies and local governments to meet pollinator/wildlife habitat certification

1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS
   - 31-45 % +5 points
   - 46-60 % +10 points
   - 61-100% +15 points
   Total points 15

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER
   - 26-50% +5 points
   - 51-75% +10 points
   - 76-100% +15 points
   Total points 15

3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)
   - 10-19 species +5 points
   - 20-25 species +10 points
   - 26 or more species +15 points
   Total points 15

Exclude invasives from species totals.

4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)
   - Spring (April-May) +5 points
   - Summer (June-August) +5 points
   - Fall (September-October) +5 points
   Total points 15

See BWSR Pollinator Toolbox about bloom seasons

5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)
   - Native bunch grasses for nesting +2 points
   - Native trees/shrubs for nesting +2 points
   - Clean, perennial water sources +2 points
   - Created nesting feature/s (bee blocks, etc.) +2 points
   Total points 4

6. SITE PLANNING AND MANAGEMENT
   - Detailed establishment and management plan developed (see example plan) with funding/contract to implement +15 points
   - Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.) +5 points
   Total points 20

7. SEED MIXES
   - Mixes are composed of at least 40 seeds per square foot +5 points
   - All seed genetic origin within 175 miles of site (pg.7-8 of Guidance) +5 points
   - At least 2% milkweed cover to be established from seed/plants +10 points
   Total points 5

8. INSECTICIDE RISK
   - Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.) -40 points
   - Communication/registration with local chemical applicators about need to prevent drift from adjacent areas +10 points
   Total points

Grand Total 89

Provides Exceptional Habitat >85
Meets Pollinator Standards 70-84

Project Name: **Aurora Hastings**
Vegetation Consultant: **Jake Janski**
Project County: **Washington**
Project Size: **41 Acres**
Projected Seeding Date: **June 2017**

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
Solar Site Pollinator Habitat Assessment
Form for Project Planning
For solar companies and local governments to meet pollinator/wildlife habitat certification

1. **PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS**
   - 31-45 % +5 points
   - 46-60 % \( \times \) +10 points
   - 61+ % +15 points
   Total points \( \sqrt[15]{15} \)

   Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

2. **PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER**
   - 26-50% +5 points
   - 51-75%. +10 points
   - 76-100% +15 points
   Total points \( \sqrt[15]{15} \)

3. **PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)**
   - 10-19 species +5 points
   - 20-25 species +10 points
   - 26 or more species +15 points
   Total points \( \sqrt[15]{15} \)

   Exclude invasives from species totals.

4. **PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT** (check/add all that apply)
   - Spring (April-May) +5 points
   - Summer (June-August) +5 points
   - Fall (September-October) +5 points
   Total points \( \sqrt[15]{15} \)

   See BWSR Pollinator Toolbox about bloom seasons

5. **AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES** (check/add all that apply)
   - Native bunch grasses for nesting +2 points
   - Native trees/shrubs for nesting +2 points
   - Clean, perennial water sources +2 points
   - Created nesting feature/s (bee blocks, etc.) +2 points
   Total points \( \sqrt[15]{6} \)

6. **SITE PLANNING AND MANAGEMENT**
   - Detailed establishment and management plan developed (see example plan) +15 points
   - Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.) +5 points
   Total points \( \sqrt[20]{20} \)

7. **SEED MIXES**
   - Mixes are composed of at least 40 seeds per square foot +5 points
   - All seed genetic origin within 175 miles of site (pg.7-8 of Guidance) +5 points
   - At least 2% milkweed cover to be established from seed/plants +10 points
   Total points \( \sqrt[15]{5} \)

8. **INSECTICIDE RISK**
   - Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.) -40 points
   - Communication/registration with local chemical applicators about need to prevent drift from adjacent areas. +10 points
   Total points

   Provides Exceptional Habitat >85
   Meets Pollinator Standards 70-84

   Project Name: **Aurora Lake Emily**
   Vegetation Consultant: **Jake Janski**
   Project County: **Nicollet**
   Project Size: **47 Acres**
   Projected Seeding Date: **June-July 2017**

   Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
Solar Site Pollinator Habitat Assessment
Form for Project Planning
For solar companies and local governments to meet pollinator/wildlife habitat certification

1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS

☐ 31-45 % +5 points
☐ 46-60 % +10 points
☒ 61+ % +15 points

Total points 15

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER

☐ 26-50% +5 points
☐ 51-75%. +10 points
☒ 76-100% +15 points

Total points 15

3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)

☐ 10-19 species +5 points
☐ 20-25 species +10 points
☒ 26 or more species +15 points

Total points 15

Exclude invasives from species totals.

4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

☒ Spring (April-May) +5 points
☒ Summer (June-August) +5 points
☒ Fall (September-October) +5 points

Total points 15

See BWSR Pollinator Toolbox about bloom seasons

5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)

☒ Native bunch grasses for nesting +2 points
☒ Native trees/shrubs for nesting +2 points
☒ Clean, perennial water sources +2 points
☐ Created nesting feature/s (bee blocks, etc.) +2 points

Total points 6

6. SITE PLANNING AND MANAGEMENT

☒ Detailed establishment and management plan developed (see example plan) with funding/contract to implement +15 points

☒ Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.) +5 points

Total points 20

7. SEED MIXES

☒ Mixes are composed of at least 40 seeds per square foot +5 points
☐ All seed genetic origin within 175 miles of site (pg.7-8 of Guidance) +5 points

At least 2% milkweed cover to be established from seed/plants +10 points

Total points 5

8. INSECTICIDE RISK

☐ Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.) -40 points

☒ Communication/registration with local chemical applicators about need to prevent drift from adjacent areas. +10 points

Grand Total 91

Provides Exceptional Habitat >85
Meets Pollinator Standards 70-84

Project Name: Aurora Lake Pulaski
Vegetation Consultant: Jake Janski
Project County: Wright
Project Size: 68 Acres
Projected Seeding Date: May-Oct 2017

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
Solar Site Pollinator Habitat Assessment
Form for Project Planning
For solar companies and local governments to meet pollinator/wildlife habitat certification

1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS

- 31-45%  
- 46-60%  
- 61+%

+5 points  
+10 points  
+15 points

Total points 15

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER

- 26-50%  
- 51-75%  
- 76-100%

+5 points  
+10 points  
+15 points

Total points 15

Exclude invasives from species totals.

3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)

- 10-19 species  
- 20-25 species  
- 26 or more species

+5 points  
+10 points  
+15 points

Total points 15

4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

- Spring (April-May)  
- Summer (June-August)  
- Fall (September-October)

+5 points  
+5 points  
+5 points

Total points 15

See BWSR Pollinator Toolbox about bloom seasons

5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)

- Native bunch grasses for nesting  
- Native trees/shrubs for nesting  
- Clean, perennial water sources  
- Created nesting feature/s (bee blocks, etc.)

+2 points  
+2 points  
+2 points  
+2 points

Total points 6

6. SITE PLANNING AND MANAGEMENT

- Detailed establishment and management plan developed (see example plan) with funding/contract to implement  
- Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.)

Total points 20

7. SEED MIXES

- Mixes are composed of at least 40 seeds per square foot  
- All seed genetic origin within 175 miles of site (pg.7-8 of Guidance)  
- At least 2% milkweed cover to be established from seed/plants

Total points 5

8. INSECTICIDE RISK

- Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.)  
- Communication/registration with local chemical applicators about need to prevent drift from adjacent areas

Total points

Grand Total 91

Provides Exceptional Habitat  >85
Meets Pollinator Standards  70-84

Project Name: Aurora Lawrence Creek
Vegetation Consultant: Jake Janski
Project County: Chisago
Project Size: 39 Acres
Projected Seeding Date: July 2017

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
**Solar Site Pollinator Habitat Assessment**

**Form for Project Planning**

For solar companies and local governments to meet pollinator/wildlife habitat certification

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1. **PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>31-45 %</td>
<td>+5</td>
</tr>
<tr>
<td>46-60 %</td>
<td>+10</td>
</tr>
<tr>
<td>61+ %</td>
<td>+15</td>
</tr>
</tbody>
</table>

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds from all seed mixes to be planted.

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6. **SITE PLANNING AND MANAGEMENT**

- Detailed establishment and management plan developed (see example plan) with funding/contact to implement
- Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.)

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7. **SEED MIXES**

- Mixes are composed of at least 40 seeds per square foot
- All seed genetic origin within 175 miles of site (pg.7-8 of Guidance)
- At least 2% milkweed cover to be established from seed/plants

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8. **INSECTICIDE RISK**

- Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.)
- Communication/registration with local chemical applicators about need to prevent drift from adjacent areas.

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Grand Total 91

**Provides Exceptional Habitat** = >85

**Meets Pollinator Standards** = 70-84

Project Name: **Aurora Montrose**
Vegetation Consultant: **Jake Janski**
Project County: **Wright**
Project Size: **30 Acres**
Projected Seeding Date: **June 2017**

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

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**Notes:**
- Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
Solar Site Pollinator Habitat Assessment
Form for Project Planning
For solar companies and local governments to meet pollinator/wildlife habitat certification

1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS
   - 31-45 % +5 points
   - 46-60 % +10 points
   - 61+ % +15 points
   Total points 15

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER
   - 26-50% +5 points
   - 51-75% +10 points
   - 76-100% +15 points
   Total points 15

3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)
   - 10-19 species +5 points
   - 20-25 species +10 points
   - 26 or more species +15 points
   Total points 15

Exclude invasives from species totals.

4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)
   - Spring (April-May) +5 points
   - Summer (June-August) +5 points
   - Fall (September-October) +5 points
   Total points 15

See BWSR Pollinator Toolbox about bloom seasons

5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)
   - Native bunch grasses for nesting +2 points
   - Native trees/shrubs for nesting +2 points
   - Clean, perennial water sources +2 points
   - Created nesting feature/s (bee blocks, etc.) +2 points
   Total points 6

6. SITE PLANNING AND MANAGEMENT
   - Detailed establishment and management plan developed with funding/contract to implement +15 points
   - Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.) +5 points
   - Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.) -40 points
   - Communication/registration with local chemical applicators about need to prevent drift from adjacent areas. +10 points
   Total points 20

7. SEED MIXES
   - Mixes are composed of at least 40 seeds per square foot +5 points
   - All seed genetic origin within 175 miles of site (pg.7-8 of Guidance) +5 points
   - At least 2% milkweed cover to be established from seed/plants +10 points
   Total points 5

8. INSECTICIDE RISK
   - Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.) -40 points
   - Communication/registration with local chemical applicators about need to prevent drift from adjacent areas. +10 points
   Total points

Grand Total 91

Provides Exceptional Habitat >85
Meets Pollinator Standards 70-84

Project Name: Aurora Paynesville
Vegetation Consultant: Jake Janski
Project County: Stearns
Project Size: 90 Acres
Projected Seeding Date: Aug-Sept 2017

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
**Solar Site Pollinator Habitat Assessment**

**Form for Project Planning**

For solar companies and local governments to meet pollinator/wildlife habitat certification

### 1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>31-45%</td>
<td>+5</td>
</tr>
<tr>
<td>46-60%</td>
<td>+10</td>
</tr>
<tr>
<td>61%+</td>
<td>+15</td>
</tr>
</tbody>
</table>

**Total points** **15**

*Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.*

### 2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>26-50%</td>
<td>+5</td>
</tr>
<tr>
<td>51-75%</td>
<td>+10</td>
</tr>
<tr>
<td>76-100%</td>
<td>+15</td>
</tr>
</tbody>
</table>

**Total points** **15**

### 3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)

<table>
<thead>
<tr>
<th>Number of Species</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-19</td>
<td>+5</td>
</tr>
<tr>
<td>20-25</td>
<td>+10</td>
</tr>
<tr>
<td>26+</td>
<td>+15</td>
</tr>
</tbody>
</table>

**Total points** **15**

*Exclude invasives from species totals.*

### 4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+5</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5</td>
</tr>
</tbody>
</table>

**Total points** **15**

*See BWSR Pollinator Toolbox about bloom seasons*

### 5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+2</td>
</tr>
<tr>
<td>Native trees/shrubs for nesting</td>
<td>+2</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+2</td>
</tr>
<tr>
<td>Created nesting feature/s (bee blocks, etc.)</td>
<td>+2</td>
</tr>
</tbody>
</table>

**Total points** **6**

### 6. SITE PLANNING AND MANAGEMENT

- **Detailed establishment and management plan developed** (see example plan) with funding/contract to implement **+15 points**
- **Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.)** **+5 points**

**Total points** **20**

### 7. SEED MIXES

- **Mixes are composed of at least 40 seeds per square foot** **+5 points**
- **All seed genetic origin within 175 miles of site (pg.7-8 of Guidance)** **+5 points**
- **At least 2% milkweed cover to be established from seed/plants** **+10 points**

**Total points** **5**

### 8. INSECTICIDE RISK

- **Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.)** **-40 points**
- **Communication/registration with local chemical applicators about need to prevent drift from adjacent areas.** **+10 points**

**Grand Total** **91**

Provides Exceptional Habitat **>85**

Meets Pollinator Standards **70-84**

**Project Name:** **Aurora Pine Island**

**Vegetation Consultant:** **Jake Janski**

**Project County:** **Goodhue**

**Project Size:** **42 Acres**

**Projected Seeding Date:** **Nov 2017**

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
# Solar Site Pollinator Habitat Assessment Form for Project Planning

For solar companies and local governments to meet pollinator/wildlife habitat certification

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS</strong></td>
<td></td>
</tr>
<tr>
<td>□ 31-45%</td>
<td>+5 points</td>
</tr>
<tr>
<td>□ 46-60%</td>
<td>+10 points</td>
</tr>
<tr>
<td>□ 61+ %</td>
<td>+15 points</td>
</tr>
<tr>
<td><strong>Total points</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER</strong></td>
<td></td>
</tr>
<tr>
<td>□ 26-50%</td>
<td>+5 points</td>
</tr>
<tr>
<td>□ 51-75%</td>
<td>+10 points</td>
</tr>
<tr>
<td>□ 76-100%</td>
<td>+15 points</td>
</tr>
<tr>
<td><strong>Total points</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)</strong></td>
<td></td>
</tr>
<tr>
<td>□ 10-19 species</td>
<td>+5 points</td>
</tr>
<tr>
<td>□ 20-25 species</td>
<td>+10 points</td>
</tr>
<tr>
<td>□ 26 or more species</td>
<td>+15 points</td>
</tr>
<tr>
<td><strong>Total points</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

Exclude invasives from species totals.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT</strong> (check/add all that apply)</td>
<td></td>
</tr>
<tr>
<td>□ Spring (April-May)</td>
<td>+5 points</td>
</tr>
<tr>
<td>□ Summer (June-August)</td>
<td>+5 points</td>
</tr>
<tr>
<td>□ Fall (September-October)</td>
<td>+5 points</td>
</tr>
<tr>
<td><strong>Total points</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

See BWSR Pollinator Toolbox about bloom seasons.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES</strong> (check/add all that apply)</td>
<td></td>
</tr>
<tr>
<td>□ Native bunch grasses for nesting</td>
<td>+2 points</td>
</tr>
<tr>
<td>□ Native trees/shrubs for nesting</td>
<td>+2 points</td>
</tr>
<tr>
<td>□ Clean, perennial water sources</td>
<td>+2 points</td>
</tr>
<tr>
<td>□ Created nesting feature/s (bee blocks, etc.)</td>
<td>+2 points</td>
</tr>
<tr>
<td><strong>Total points</strong></td>
<td>6</td>
</tr>
</tbody>
</table>

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
Solar Site Pollinator Habitat Assessment
Form for Project Planning
For solar companies and local governments to meet pollinator/wildlife
habitat certification

1. Percent of proposed site vegetation cover to be dominated by wildflowers

<table>
<thead>
<tr>
<th>Option</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>31-45 %</td>
<td>+5</td>
</tr>
<tr>
<td>46-60 %</td>
<td>+10</td>
</tr>
<tr>
<td>61+ %</td>
<td>+15</td>
</tr>
</tbody>
</table>

Total points 15

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

2. Planned % of site dominated by native species cover

<table>
<thead>
<tr>
<th>Option</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>26-50%</td>
<td>+5</td>
</tr>
<tr>
<td>51-75%</td>
<td>+10</td>
</tr>
<tr>
<td>76-100%</td>
<td>+15</td>
</tr>
</tbody>
</table>

Total points 15

Exclude invasives from species totals.

3. Planned cover diversity (# of species in seed mixes; numbers from upland and wetland mixes can be combined)

<table>
<thead>
<tr>
<th>Option</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-19 species</td>
<td>+5</td>
</tr>
<tr>
<td>20-25 species</td>
<td>+10</td>
</tr>
<tr>
<td>26 or more species</td>
<td>+15</td>
</tr>
</tbody>
</table>

Total points 15

4. Planned seasons with at least 3 blooming species present (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+5</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5</td>
</tr>
</tbody>
</table>

Total points 15

See BWSR Pollinator Toolbox about bloom seasons

5. Available habitat components within .25 miles (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+2</td>
</tr>
<tr>
<td>Native trees/shrubs for nesting</td>
<td>+2</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+2</td>
</tr>
<tr>
<td>Created nesting feature/s (bee blocks, etc.)</td>
<td>+2</td>
</tr>
</tbody>
</table>

Total points 2

6. Site planning and management

- Detailed establishment and management plan developed (see example plan) with funding/contract to implement +15 points
- Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.) +5 points

Total points 20

7. Seed mixes

- Mixes are composed of at least 40 seeds per square foot +5 points
- All seed genetic origin within 175 miles of site (pg.7-8 of Guidance) +5 points
- At least 2% milkweed cover to be established from seed/plants +10 points

Total points 5

8. Insecticide risk

- Planned on-site insecticide use or pre-planting seed/Plant treatment (excluding buildings/electrical boxes, etc.) -40 points
- Communication/registration with local chemical applicators about need to prevent drift from adjacent areas +10 points

Total points

Grand total 87

Provides Exceptional Habitat >85
Meets Pollinator Standards 70-84

Project Name: Aurora West Faribault
Vegetation Consultant: Jake Janski
Project County: Rice
Project Size: 43 Acres
Projected Seeding Date: June 2017

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
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Form for Project Planning
For solar companies and local governments to meet pollinator/wildlife habitat certification

1. PERCENT OF PROPOSED SITE VEGETATION COVER TO BE DOMINATED BY WILDFLOWERS

- 31-45 % +5 points
- 46-60 % +10 points
- 61+ % +15 points

Total points 15

Note: Projects may have “array” mixes and diverse border mixes; forb dominance should be averaged across the entire site. The dominance should be calculated from total numbers of forb seeds vs. grass seeds (from all seed mixes) to be planted.

2. PLANNED % OF SITE DOMINATED BY NATIVE SPECIES COVER

- 26-50% +5 points
- 51-75%. +10 points
- 76-100% +15 points

Total points 15

3. PLANNED COVER DIVERSITY (# of species in seed mixes; numbers from upland and wetland mixes can be combined)

- 10-19 species +5 points
- 20-25 species +10 points
- 26 or more species +15 points

Total points 15

Exclude invasives from species totals.

4. PLANNED SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

- Spring (April-May) +5 points
- Summer (June-August) +5 points
- Fall (September-October) +5 points

Total points 15

See BWSR Pollinator Toolbox about bloom seasons

5. AVAILABLE HABITAT COMPONENTS WITHIN .25 MILES (check/add all that apply)

- Native bunch grasses for nesting +2 points
- Native trees/shrubs for nesting +2 points
- Clean, perennial water sources +2 points
- Created nesting feature/s (bee blocks, etc.) +2 points

(bee blocks, etc.) Total points 6

6. SITE PLANNING AND MANAGEMENT

- Detailed establishment and management plan developed (see example plan) with funding/contract to implement +15 points
- Signage legible at forty or more feet stating pollinator friendly solar habitat (at least 1 every 20ac.) +5 points

Total points 20

7. SEED MIXES

- Mixes are composed of at least 40 seeds per square foot +5 points
- All seed genetic origin within 175 miles of site (pg.7-8 of Guidance) +5 points
- At least 2% milkweed cover to be established from seed/plants +10 points

Total points 5

8. INSECTICIDE RISK

- Planned on-site insecticide use or pre-planting seed/plant treatment (excluding buildings/electrical boxes, etc.) -40 points
- Communication/registration with local chemical applicators about need to prevent drift from adjacent areas. +10 points

Total points

Grand Total 91

Provides Exceptional Habitat >85
Meets Pollinator Standards 70-84

Project Name: Aurora West Waconia
Vegetation Consultant: Jake Janski
Project County: Carver
Project Size: 67 Acres
Projected Seeding Date: July 2017

Send completed forms, project plans, seed mixes and any communication with pesticide applicators to dan.shaw@state.mn.us

Note: Measurements of percent “cover” should be based on “absolute cover” defined as the percent of the ground surface that is covered by a vertical projection of foliage as viewed from above. To measure cover diversity it is recommended to use plots, and/or transects in addition to meander searches for accurate measurements. Wildflowers in question 1 refer to “forbs” which are flowering plants that are not woody, and are not graminoids (grasses, sedges, etc) and can include introduced clovers and other non-native species beneficial to pollinators.
2020

Establishment Planting

Habitat Assessment Forms
Habitat Friendly Solar Site Assessment Form

for Established Plantings (after year 3)

For solar companies and local governments to meet Habitat Friendly Standards

5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER (wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-25%</td>
<td>+5 points</td>
</tr>
<tr>
<td>26-50%</td>
<td>+15 points</td>
</tr>
<tr>
<td>51-75%</td>
<td>+20 points</td>
</tr>
<tr>
<td>76+</td>
<td>+25 points</td>
</tr>
</tbody>
</table>

Total points 20

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS (not grasses and sedges)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-8%</td>
<td>+10 points</td>
</tr>
<tr>
<td>9-16%</td>
<td>+15 points</td>
</tr>
<tr>
<td>17-25%</td>
<td>+20 points</td>
</tr>
<tr>
<td>26-34%</td>
<td>+25 points</td>
</tr>
<tr>
<td>35%</td>
<td>+30 points</td>
</tr>
</tbody>
</table>

Total points 26

3) COVER DIVERSITY (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Number of Species</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9</td>
<td>+5 points</td>
</tr>
<tr>
<td>10-19</td>
<td>+15 points</td>
</tr>
<tr>
<td>20-25</td>
<td>+25 points</td>
</tr>
<tr>
<td>26 or more</td>
<td>+30 points</td>
</tr>
</tbody>
</table>

Total points 16

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+10 points</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5 points</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5 points</td>
</tr>
</tbody>
</table>

Total points 10

See BWSR Pollinator Toolbox for information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+3 points</td>
</tr>
<tr>
<td>Native flowering shrubs</td>
<td>+4 points</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+3 points</td>
</tr>
</tbody>
</table>

Total points 7

6) AVAILABLE HABITAT COMPONENTS ON-SITE (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 1% milkweed cover</td>
<td>+5 points</td>
</tr>
<tr>
<td>Detailed management plan developed (see notes) with funding/contract to implement</td>
<td>+15 points</td>
</tr>
<tr>
<td>Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5 points</td>
</tr>
<tr>
<td>Constructed and maintained nesting habitat feature/s (bee blocks, etc.)</td>
<td>+5 points</td>
</tr>
</tbody>
</table>

Total points 20

7) INSECTICIDE RISK

<table>
<thead>
<tr>
<th>Risk Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.)</td>
<td>-25 points</td>
</tr>
<tr>
<td>Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas.</td>
<td>+10 points</td>
</tr>
</tbody>
</table>

Total points 0

Grand Total 97

Gold Standard - Provides Exceptional Habitat
Meets Pollinator Standards

Project Name: Aurora Solar - Albany Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Stearns County, Minnesota
Project Size: 119.8 acres
Evaluation Date: August 1, 2020

See notes related to the questions on the back side of this form.
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)
- 5-25% +5 points
- 26-50% +15 points
- 51-75% +20 points
- 76+ +25 points

Total points 25

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)
- 5-8% +10 points
- 9-16% +15 points
- 17-25% +20 points
- 26-34% +25 points
- 35+ +30 points

Total points 20

3) COVER DIVERSITY (# of plant species with >1% cover)
- 1-9 species +5 points
- 10-19 species +15 points
- 20-25 species +25 points
- 26 or more species +30 points

Total points 25

*Exclude invasive/noxious weeds from species totals.*

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT
(check/addr all that apply)
- Spring (April-May) +10 points
- Summer (June-August) +5 points
- Fall (September-October) +5 points

Total points 10

See BWSR Pollinator Toolbox for Information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES
(check/addr all that apply)
- Native bunch grasses for nesting +3 points
- Native flowering shrubs +4 points
- Clean, perennial water sources +3 points

Total points 10

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/addr all that apply)
- At least 1% milkweed cover +5 points
- Detailed management plan developed (see notes) with funding/contract to implement +15 points
- Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers) +5 points
- Constructed and maintained nesting habitat feature/s (bee blocks, etc.) +5 points

Total points 20

7) INSECTICIDE RISK
- Planned on-site insecticide use.
  (excluding buildings/electrical boxes, etc.) -25 points
- Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas. +10 points

Total points 0

Grand Total 110

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

Project Name: Aurora Solar - Annadale Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Wright County, Minnesota
Project Size: 68 acres
Evaluation Date: August 2, 2020

See notes related to the questions on the back side of this form.
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Percentage</th>
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<td>51-75%</td>
<td>+20 points</td>
</tr>
<tr>
<td>76+</td>
<td>+25 points</td>
</tr>
</tbody>
</table>

Total points: 15

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
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<tr>
<td>26-34%</td>
<td>+25 points</td>
</tr>
<tr>
<td>35+</td>
<td>+30 points</td>
</tr>
</tbody>
</table>

Total points: 16

Excluding invasive/noxious weeds from species totals.

3) COVER DIVERSITY (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Number of Species</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>1-9 species</td>
<td>+5 points</td>
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<td>+25 points</td>
</tr>
<tr>
<td>26 or more species</td>
<td>+30 points</td>
</tr>
</tbody>
</table>

Total points: 16

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT
(check/whitespace all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+10 points</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5 points</td>
</tr>
<tr>
<td>Fall (September-Oct)</td>
<td>+5 points</td>
</tr>
</tbody>
</table>

Total points: 10

See BWSR Pollinator Toolbox for Information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/whitespace all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
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<td>+4 points</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+3 points</td>
</tr>
</tbody>
</table>

Total points: 0

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/whitespace all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 1% milkweed cover</td>
<td>+5 points</td>
</tr>
<tr>
<td>Detailed management plan</td>
<td>+5 points</td>
</tr>
<tr>
<td>Designed and developed (see notes)</td>
<td>+15 points</td>
</tr>
<tr>
<td>Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5 points</td>
</tr>
<tr>
<td>Constructed and maintained nesting habitat feature(s) (bee blocks, etc.)</td>
<td>+5 points</td>
</tr>
</tbody>
</table>

Total points: 20

7) INSECTICIDE RISK

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.)</td>
<td>-25 points</td>
</tr>
<tr>
<td>Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas.</td>
<td>+10 points</td>
</tr>
</tbody>
</table>

Total points: 0

Grand Total: 75

Gold Standard - Provides Exceptional Habitat
Meets Pollinator Standards

Project Name: Aurora Solar - Atwater Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Kandiyohi County, Minnesota
Project Size: 40.1 acres
Evaluation Date: July 28, 2020

See notes related to the questions on the back side of this form.

Pg. 1
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

- 5-25% +5 points
- 26-50% +15 points
- 51-75% +20 points
- 76+% +25 points

Total points 25

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

- 5-8% +10 points
- 9-16% +15 points
- 17-25% +20 points
- 26-34% +25 points
- 35+% +30 points

Total points 10

3) COVER DIVERSITY (# of plant species with >1% cover)

- 1-9 species +5 points
- 10-19 species +15 points
- 20-25 species +25 points
- 26 or more species +30 points

Total points 5

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

- Spring (April-May) +10 points
- Summer (June-August) +5 points
- Fall (September-October) +5 points

Total points 10

See BWSR Pollinator Toolbox for information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/add all that apply)

- Native bunch grasses for nesting +3 points
- Native flowering shrubs +4 points
- Clean, perennial water sources +3 points

Total points 7

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/add all that apply)

- At least 1% milkweed cover +5 points
- Detailed management plan developed (see notes) with funding/contract to implement +15 points
- Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers) +5 points
- Constructed and maintained nesting habitat feature/s (bee blocks, etc.) +5 points

Total points 20

7) INSECTICIDE RISK

- Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.) -25 points
- Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas. +10 points

Total points 0

Grand Total 77

Gold Standard - Provides Exceptional Habitat
Meets Pollinator Standards

Project Name: Aurora Solar - Chisago Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Chisago County, Minnesota
Project Size: 62.5 acres
Evaluation Date: August 3, 2020

See notes related to the questions on the back side of this form.

Pg. 1
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Option</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-25%</td>
<td>+5</td>
</tr>
<tr>
<td>26-50%</td>
<td>+15</td>
</tr>
<tr>
<td>51-75%</td>
<td>+20</td>
</tr>
<tr>
<td>76+</td>
<td>+25</td>
</tr>
</tbody>
</table>

Total points: 15

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

<table>
<thead>
<tr>
<th>Option</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-8 %</td>
<td>+10</td>
</tr>
<tr>
<td>9-16%</td>
<td>+15</td>
</tr>
<tr>
<td>17-25%</td>
<td>+20</td>
</tr>
<tr>
<td>26-34%</td>
<td>+25</td>
</tr>
<tr>
<td>35+</td>
<td>+30</td>
</tr>
</tbody>
</table>

Total points: 30

3) COVER DIVERSITY (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Option</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9 species</td>
<td>+5</td>
</tr>
<tr>
<td>10-19 species</td>
<td>+15</td>
</tr>
<tr>
<td>20-25 species</td>
<td>+25</td>
</tr>
<tr>
<td>26 or more species</td>
<td>+30</td>
</tr>
</tbody>
</table>

Total points: 15

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+10</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5</td>
</tr>
</tbody>
</table>

Total points: 10

See BWSR Pollinator Toolbox for information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+3</td>
</tr>
<tr>
<td>Native flowering shrubs</td>
<td>+4</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+3</td>
</tr>
</tbody>
</table>

Total points: 7

6) AVAILABLE HABITAT COMPONENTS ON-SITE (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 1% milkweed cover</td>
<td>+5</td>
</tr>
<tr>
<td>Detailed management plan developed (see notes with funding/contract to implement)</td>
<td>+15</td>
</tr>
<tr>
<td>Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5</td>
</tr>
<tr>
<td>Constructed and maintained nesting habitat feature/s (bee blocks, etc.)</td>
<td>+5</td>
</tr>
</tbody>
</table>

Total points: 20

7) INSECTICIDE RISK

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.)</td>
<td>-25</td>
</tr>
<tr>
<td>Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas.</td>
<td>+10</td>
</tr>
</tbody>
</table>

Total points: 0

Grand Total: 97

Gold Standard - Provides Exceptional Habitat Meets Pollinator Standards

Project Name: Aurora Solar - Dodge Center Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Dodge County, Minnesota
Project Size: 67.8 acres
Evaluation Date: July 21, 2020

See notes related to the questions on the back side of this form.
Habitat Friendly Solar Site Assessment Form
for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

- 5-25% +5 points
- 26-50% +15 points
- 51-75% +20 points
- 76+ +25 points
Total points 20

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

- 5-8 % +10 points
- 9-16 % +15 points
- 17-25 % +20 points
- 26-34 % +25 points
- 35+ +30 points
Total points 30

3) COVER DIVERSITY (# of plant species with >1% cover)

- 1-9 species +5 points
- 10-19 species +15 points
- 20-25 species +25 points
- 26 or more species +30 points
Total points 25

Excluding invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

- Spring (April-May) +10 points
- Summer (June-August) +5 points
- Fall (September-October) +5 points
Total points 10

See BWSR Pollinator Toolbox for information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/add all that apply)

- Native bunch grasses for nesting +3 points
- Native flowering shrubs +4 points
- Clean, perennial water sources +3 points
Total points 10

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/add all that apply)

- At least 1% milkweed cover +5 points
- Detailed management plan developed (see notes) with funding/contract to implement +15 points
- Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers) +5 points
- Constructed and maintained nesting habitat feature/s (bee blocks, etc.) +5 points
Total points 25

7) INSECTICIDE RISK

- Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.) -25 points
- Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas. +10 points
Total points 0

Grand Total 120

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

Project Name: Aurora Solar - Eastwood Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Blue Earth County, Minnesota
Project Size: 46.3 acres
Evaluation Date: July 23, 2020

See notes related to the questions on the back side of this form.
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

- 5-25% +5 points
- 26-50% +15 points
- 51-75% +20 points
- 76% +25 points

Total points 15

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

- 5-8 % +10 points
- 9-16 % +15 points
- 17-25 % +20 points
- 26-34 % +25 points
- 35% +30 points

Total points 20

3) COVER DIVERSITY (# of plant species with >1% cover)

- 1-9 species +5 points
- 10-19 species +15 points
- 20-25 species +25 points
- 26 or more species +30 points

Total points 15

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES
PRESENT (check/add all that apply)

- Spring (April-May) +10 points
- Summer (June-August) +5 points
- Fall (September-October) +5 points

Total points 10

See BWSR Pollinator Toolbox for Information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/add all that apply)

- Native bunch grasses for nesting +3 points
- Native flowering shrubs +4 points
- Clean, perennial water sources +3 points

Total points 0

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/add all that apply)

- At least 1% milkweed cover +5 points
- Detailed management plan developed (see notes) with funding/contract to implement +15 points
- Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers) +5 points
- Constructed and maintained nesting habitat feature/s (bee blocks, etc.) +5 points

Total points 20

7) INSECTICIDE RISK

- Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.) -25 points
- Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas. +10 points

Total points 0

Grand Total 80

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

Project Name: Aurora Solar - Hastings Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Washington County, Minnesota
Project Size: 41.6 acres
Evaluation Date: August 4, 2020

See notes related to the questions on the back side of this form.
Habitat Friendly Solar Site Assessment Form
for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-25%</td>
<td>+5 points</td>
</tr>
<tr>
<td>26-50%</td>
<td>+15 points</td>
</tr>
<tr>
<td>51-75%</td>
<td>+20 points</td>
</tr>
<tr>
<td>76+</td>
<td>+25 points</td>
</tr>
</tbody>
</table>

Total points: 20

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-8 %</td>
<td>+10 points</td>
</tr>
<tr>
<td>9-16%</td>
<td>+15 points</td>
</tr>
<tr>
<td>17-25%</td>
<td>+20 points</td>
</tr>
<tr>
<td>26-34%</td>
<td>+25 points</td>
</tr>
<tr>
<td>35+</td>
<td>+30 points</td>
</tr>
</tbody>
</table>

Total points: 25

3) COVER DIVERSITY (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Number of Species</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9 species</td>
<td>+5 points</td>
</tr>
<tr>
<td>10-19 species</td>
<td>+15 points</td>
</tr>
<tr>
<td>20-25 species</td>
<td>+25 points</td>
</tr>
<tr>
<td>26 or more species</td>
<td>+30 points</td>
</tr>
</tbody>
</table>

Total points: 15

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES
PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+10 points</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5 points</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5 points</td>
</tr>
</tbody>
</table>

Total points: 10

See BWSR Pollinator Toolbox for Information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE
OR WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+3 points</td>
</tr>
<tr>
<td>Native flowering shrubs</td>
<td>+4 points</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+3 points</td>
</tr>
</tbody>
</table>

Total points: 3

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 1% milkweed cover</td>
<td>+5 points</td>
</tr>
<tr>
<td>Detailed management plan developed (see notes) with funding/contract to implement</td>
<td>+15 points</td>
</tr>
<tr>
<td>Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5 points</td>
</tr>
<tr>
<td>Constructed and maintained nesting habitat feature/s (bee blocks, etc.)</td>
<td>+5 points</td>
</tr>
</tbody>
</table>

Total points: 20

7) INSECTICIDE RISK

<table>
<thead>
<tr>
<th>Risk</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.)</td>
<td>-25 points</td>
</tr>
<tr>
<td>Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas.</td>
<td>+10 points</td>
</tr>
</tbody>
</table>

Total points: 0

Grand Total: 93

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

Project Name: Aurora Solar - Lake Emily Site
Vegetation Consultant: Atwell, LLC
Project County: Suer County, Minnesota
Project Size: 46.8 acres
Evaluation Date: July 23, 2020

See notes related to the questions on the back side of this form.
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER (wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 5-25%</td>
<td>+5</td>
</tr>
<tr>
<td>□ 26-50%</td>
<td>+15</td>
</tr>
<tr>
<td>□ 51-75%</td>
<td>+20</td>
</tr>
<tr>
<td>□ 76+</td>
<td>+25</td>
</tr>
</tbody>
</table>

Total points: 20

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS (not grasses and sedges)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 5-8%</td>
<td>+10</td>
</tr>
<tr>
<td>□ 9-16%</td>
<td>+15</td>
</tr>
<tr>
<td>□ 17-25%</td>
<td>+20</td>
</tr>
<tr>
<td>□ 26-34%</td>
<td>+25</td>
</tr>
<tr>
<td>□ 35+</td>
<td>+30</td>
</tr>
</tbody>
</table>

Total points: 25

3) COVER DIVERSITY (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Number of Species</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 1-9 species</td>
<td>+5</td>
</tr>
<tr>
<td>□ 10-19 species</td>
<td>+15</td>
</tr>
<tr>
<td>□ 20-25 species</td>
<td>+25</td>
</tr>
<tr>
<td>□ 26 or more species</td>
<td>+30</td>
</tr>
</tbody>
</table>

Total points: 15

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Spring (April-May)</td>
<td>+10</td>
</tr>
<tr>
<td>□ Summer (June-August)</td>
<td>+5</td>
</tr>
<tr>
<td>□ Fall (September-October)</td>
<td>+5</td>
</tr>
</tbody>
</table>

Total points: 10

See BWSR Pollinator Toolbox for information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Native bunch grasses for nesting</td>
<td>+3</td>
</tr>
<tr>
<td>□ Native flowering shrubs</td>
<td>+4</td>
</tr>
<tr>
<td>□ Clean, perennial water sources</td>
<td>+3</td>
</tr>
</tbody>
</table>

Total points: 10

6) AVAILABLE HABITAT COMPONENTS ON-SITE (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ At least 1% milkweed cover</td>
<td>+5</td>
</tr>
<tr>
<td>□ Detailed management plan developed (see notes) with funding/contract to implement</td>
<td>+15</td>
</tr>
<tr>
<td>□ Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5</td>
</tr>
<tr>
<td>□ Constructed and maintained nesting habitat feature/s (bee blocks, etc.)</td>
<td>+5</td>
</tr>
</tbody>
</table>

Total points: 20

7) INSECTICIDE RISK

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.)</td>
<td>-25</td>
</tr>
<tr>
<td>□ Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas.</td>
<td>+10</td>
</tr>
</tbody>
</table>

Total points: 0

Grand Total: 100

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

Project Name: Aurora Solar – Lake Pulaski Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Wright County, Minnesota
Project Size: 75.6 acres
Evaluation Date: July 27, 2020

See notes related to the questions on the back side of this form.

Pg. 1
Habitat Friendly Solar Site Assessment Form
for Established Plantings (after year 3)

For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % of site dominated by native species cover
(wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-25%</td>
<td>+5</td>
</tr>
<tr>
<td>26-50%</td>
<td>+15</td>
</tr>
<tr>
<td>51-75%</td>
<td>+20</td>
</tr>
<tr>
<td>76+</td>
<td>+25</td>
</tr>
</tbody>
</table>

**Total points: 20**

2) Percent of site dominated by wildflowers
(not grasses and sedges)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-8%</td>
<td>+10</td>
</tr>
<tr>
<td>9-16%</td>
<td>+15</td>
</tr>
<tr>
<td>17-25%</td>
<td>+20</td>
</tr>
<tr>
<td>26-34%</td>
<td>+25</td>
</tr>
<tr>
<td>35+</td>
<td>+30</td>
</tr>
</tbody>
</table>

**Total points: 25**

3) Cover diversity (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Species</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9</td>
<td>+5</td>
</tr>
<tr>
<td>10-19</td>
<td>+15</td>
</tr>
<tr>
<td>20-25</td>
<td>+25</td>
</tr>
<tr>
<td>26 or more</td>
<td>+30</td>
</tr>
</tbody>
</table>

**Total points: 15**

*Exclude invasive/noxious weeds from species totals.*

4) Seasons with at least 3 blooming species present
(check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>+10</td>
</tr>
<tr>
<td>Summer</td>
<td>+5</td>
</tr>
<tr>
<td>Fall</td>
<td>+5</td>
</tr>
</tbody>
</table>

**Total points: 10**

*See BWSR Pollinator Toolbox for information about bloom season.*

5) Available habitat components within site
or within .25 miles (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+3</td>
</tr>
<tr>
<td>Native flowering shrubs</td>
<td>+4</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+3</td>
</tr>
</tbody>
</table>

**Total points: 7**

6) Available habitat components on-site
(check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 1% milkweed cover</td>
<td>+5</td>
</tr>
<tr>
<td>Detailed management plan developed (see notes) with funding/contract to implement</td>
<td>+15</td>
</tr>
<tr>
<td>Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5</td>
</tr>
<tr>
<td>Constructed and maintained nesting habitat feature/s (bee blocks, etc.)</td>
<td>+5</td>
</tr>
</tbody>
</table>

**Total points: 20**

7) Insecticide risk

- Planned on-site insecticide use.
  (excluding buildings/electrical boxes, etc.)   **-25 points**
- Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas.   **+10 points**

**Total points: 0**

**Grand Total: 97**

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

Project Name: Aurora Solar - Lawrence Creek Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Chisago County, Minnesota
Project Size: 74.4 acres
Evaluation Date: August 4, 2020

*See notes related to the questions on the back side of this form.*
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER (wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-25%</td>
<td>+5</td>
</tr>
<tr>
<td>26-50%</td>
<td>+15</td>
</tr>
<tr>
<td>51-75%</td>
<td>+20</td>
</tr>
<tr>
<td>76+</td>
<td>+25</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS (not grasses and sedges)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-8%</td>
<td>+10</td>
</tr>
<tr>
<td>9-16%</td>
<td>+15</td>
</tr>
<tr>
<td>17-25%</td>
<td>+20</td>
</tr>
<tr>
<td>26-34%</td>
<td>+25</td>
</tr>
<tr>
<td>35+</td>
<td>+30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

3) COVER DIVERSITY (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Number of Species</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9 species</td>
<td>+5</td>
</tr>
<tr>
<td>10-19 species</td>
<td>+15</td>
</tr>
<tr>
<td>20-25 species</td>
<td>+25</td>
</tr>
<tr>
<td>26 or more species</td>
<td>+30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

*Exclude invasive/noxious weeds from species totals.*

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+10</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>

*See BWSR Pollinator Toolbox for information about bloom season.*

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+3</td>
</tr>
<tr>
<td>Native flowering shrubs</td>
<td>+4</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

6) AVAILABLE HABITAT COMPONENTS ON-SITE (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 1% milkweed cover</td>
<td>+5</td>
</tr>
<tr>
<td>Detailed management plan developed (see notes with funding/contract to implement)</td>
<td>+15</td>
</tr>
<tr>
<td>Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5</td>
</tr>
<tr>
<td>Constructed and maintained nesting habitat feature/s (bee blocks, etc.)</td>
<td>+5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

7) INSECTICIDE RISK

<table>
<thead>
<tr>
<th>Risk Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.)</td>
<td>-25</td>
</tr>
<tr>
<td>Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas.</td>
<td>+10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>0</strong></td>
</tr>
</tbody>
</table>

**Gold Standard - Provides Exceptional Habitat 85+**
**Meets Pollinator Standards 70**

Project Name: Aurora Solar - Montrose Site
Vegetation Consultant: Atwell, LLC Maureen O'Shea-Stone
Project County: Wright County, Minnesota
Project Size: 20.9 acres
Evaluation Date: July 27, 202

*See notes related to the questions on the back side of this form.*
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)

For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER (wildflowers, grasses, sedges, shrubs, trees)
   - 5-25% +5 points
   - 26-50% +15 points
   - 51-75% +20 points
   - 76% +25 points
   **Total points** 15

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS (not grasses and sedges)
   - 5-8% +10 points
   - 9-16% +15 points
   - 17-25% +20 points
   - 26-34% +25 points
   - 35% +30 points
   **Total points** 20

3) COVER DIVERSITY (# of plant species with >1% cover)
   - 1-9 species +5 points
   - 10-19 species +15 points
   - 20-25 species +25 points
   - 26 or more species +30 points
   **Total points** 5

   *Exclude invasive/noxious weeds from species totals.*

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)
   - Spring (April-May) +10 points
   - Summer (June-August) +5 points
   - Fall (September-October) +5 points
   **Total points** 10

   *See BWSR Pollinator Toolbox for Information about bloom season.*

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES (check/add all that apply)
   - Native bunch grasses for nesting +3 points
   - Native flowering shrubs +4 points
   - Clean, perennial water sources +3 points
   **Total points** 7

6) AVAILABLE HABITAT COMPONENTS ON-SITE (check/add all that apply)
   - At least 1% milkweed cover +5 points
   - Detailed management plan developed (see notes) with funding/contract to implement +15 points
   - Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers) +5 points
   - Constructed and maintained nesting habitat feature/s (bee blocks, etc.) +5 points
   **Total points** 20

7) INSECTICIDE RISK
   - Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.) -25 points
   - Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas. +10 points
   **Total points** 0

**Grand Total** 77

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

---

Project Name: Aurora Solar - Payneville Site

Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)

Project County: Stearns County, Minnesota

Project Size: 242.3 acres

Evaluation Date: July 28, 2020

*See notes related to the questions on the back side of this form.*
Habitat Friendly Solar Site Assessment Form
for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

☐ 5-25% +5 points
☐ 26-50% +15 points
☐ 51-75% +20 points
☐ 76+ +25 points

Total points 15

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

☐ 5-8 % +10 points
☐ 9-16 % +15 points
☐ 17-25 % +20 points
☐ 26-34 % +25 points
☐ 35+ +30 points

Total points 20

3) COVER DIVERSITY (# of plant species with >1% cover)

☐ 1-9 species +5 points
☐ 10-19 species +15 points
☐ 20-25 species +25 points
☐ 26 or more species +30 points

Total points 15

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES
PRESENT (check/add all that apply)

☐ Spring (April-May) +10 points
☐ Summer (June-August) +5 points
☐ Fall (September-October) +5 points

Total points 10

See BWSR Pollinator Toolbox for Information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE
OR WITHIN .25 MILES (check/add all that apply)

☐ Native bunch grasses for nesting +3 points
☐ Native flowering shrubs +4 points
☐ Clean, perennial water sources +3 points

Total points 3

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/add all that apply)

☐ At least 1% milkweed cover +5 points
☐ Detailed management plan developed (see notes) with funding/contract to implement +15 points
☐ Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers) +5 points
☐ Constructed and maintained nesting habitat feature/s (bee blocks, etc.) +5 points

Total points 20

7) INSECTICIDE RISK

☐ Planned on-site insecticide use.
(excluding buildings/electrical boxes, etc.) -25 points

☐ Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas. +10 points

Total points 0

Grand Total 83

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

Project Name: Aurora Solar - Pine Island Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Goodhue County, Minnesota
Project Size: 60.9 acres
Evaluation Date: July 20, 2020

See notes related to the questions on the back side of this form.
Habitat Friendly Solar Site Assessment Form for Established Plantings (after year 3)  
For solar companies and local governments to meet Habitat Friendly Standards  
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER  
(wildflowers, grasses, sedges, shrubs, trees)  
- 5-25%  +5 points  
- 26-50%  +15 points  
- 51-75%  +20 points  
- 76+  +25 points  
**Total points:** 15

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS  
(not grasses and sedges)  
- 5-8%  +10 points  
- 9-16%  +15 points  
- 17-25%  +20 points  
- 26-34%  +25 points  
- 35+  +30 points  
**Total points:** 30

3) COVER DIVERSITY (# of plant species with >1% cover)  
- 1-9 species  +5 points  
- 10-19 species  +15 points  
- 20-25 species  +20 points  
- 26 or more species  +25 points  
**Total points:** 15

*Exclude invasive/noxious weeds from species totals.*

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES PRESENT (check/add all that apply)  
- Spring (April-May)  +10 points  
- Summer (June-August)  +5 points  
- Fall (September-October)  +5 points  
**Total points:** 10

*See BWSR Pollinator Toolbox for Information about bloom season.*

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE OR WITHIN .25 MILES  
(check/add all that apply)  
- Native bunch grasses for nesting  +3 points  
- Native flowering shrubs  +4 points  
- Clean, perennial water sources  +3 points  
**Total points:** 6

6) AVAILABLE HABITAT COMPONENTS ON-SITE  
(check/add all that apply)  
- At least 1% milkweed cover  +5 points  
- Detailed management plan developed (see notes) with funding/contract to implement  +15 points  
- Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)  +5 points  
- Constructed and maintained nesting habitat feature/s (bee blocks, etc.)  +5 points  
**Total points:** 20

7) INSECTICIDE RISK  
- Planned on-site insecticide use (excluding buildings/electrical boxes, etc.)  -25 points  
- Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas  +10 points  
**Total points:** 0

**Grand Total:** 96

Gold Standard - Provides Exceptional Habitat 85+  
Meets Pollinator Standards 70

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Aurora Solar - Waseca Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetation Consultant</td>
<td>Atwell, LLC (Maureen O'Shea-Stone)</td>
</tr>
<tr>
<td>Project County</td>
<td>Waseca County, Minnesota</td>
</tr>
<tr>
<td>Project Size</td>
<td>97.9 acres</td>
</tr>
<tr>
<td>Evaluation Date</td>
<td>July 22, 2020</td>
</tr>
</tbody>
</table>

*See notes related to the questions on the back side of this form.*
Habitat Friendly Solar Site Assessment Form
for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-25%</td>
<td>+5</td>
</tr>
<tr>
<td>26-50%</td>
<td>+15</td>
</tr>
<tr>
<td>51-75%</td>
<td>+20</td>
</tr>
<tr>
<td>76+</td>
<td>+25</td>
</tr>
<tr>
<td>Total points</td>
<td>15</td>
</tr>
</tbody>
</table>

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-8 %</td>
<td>+10</td>
</tr>
<tr>
<td>9-16 %</td>
<td>+15</td>
</tr>
<tr>
<td>17-25%</td>
<td>+20</td>
</tr>
<tr>
<td>26-34%</td>
<td>+25</td>
</tr>
<tr>
<td>35+</td>
<td>+30</td>
</tr>
<tr>
<td>Total points</td>
<td>20</td>
</tr>
</tbody>
</table>

3) COVER DIVERSITY (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Species Count</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9 species</td>
<td>+5</td>
</tr>
<tr>
<td>10-19 species</td>
<td>+15</td>
</tr>
<tr>
<td>20-25 species</td>
<td>+25</td>
</tr>
<tr>
<td>26 or more species</td>
<td>+30</td>
</tr>
<tr>
<td>Total points</td>
<td>15</td>
</tr>
</tbody>
</table>

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES
PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+10</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5</td>
</tr>
<tr>
<td>Total points</td>
<td>10</td>
</tr>
</tbody>
</table>

See BWSR Pollinator Toolbox for information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE
OR WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+3</td>
</tr>
<tr>
<td>Native flowering shrubs</td>
<td>+4</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+3</td>
</tr>
<tr>
<td>Total points</td>
<td>7</td>
</tr>
</tbody>
</table>

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 1% milkweed cover</td>
<td>+5</td>
</tr>
<tr>
<td>Detailed management plan developed (see notes) with funding/contract to implement</td>
<td>+15</td>
</tr>
<tr>
<td>Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5</td>
</tr>
<tr>
<td>Constructed and maintained nesting habitat feature/s (bee blocks, etc.)</td>
<td>+5</td>
</tr>
<tr>
<td>Total points</td>
<td>20</td>
</tr>
</tbody>
</table>

7) INSECTICIDE RISK

<table>
<thead>
<tr>
<th>Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.)</td>
<td>-25</td>
</tr>
<tr>
<td>Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas.</td>
<td>+10</td>
</tr>
<tr>
<td>Total points</td>
<td>0</td>
</tr>
</tbody>
</table>

Grand Total 87

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

Project Name: Aurora Solara - West Faribault Site
Vegetation Consultant: Atwell, LLC (Maureen O'Shea-Stone)
Project County: Rice County, Minnesota
Project Size: 85.4 acres
Evaluation Date: July 23, 2020

See notes related to the questions on the back side of this form.
Habitat Friendly Solar Site Assessment Form
for Established Plantings (after year 3)
For solar companies and local governments to meet Habitat Friendly Standards
5-26-2020

1) % OF SITE DOMINATED BY NATIVE SPECIES COVER
(wildflowers, grasses, sedges, shrubs, trees)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-25%</td>
<td>+5</td>
</tr>
<tr>
<td>26-50%</td>
<td>+15</td>
</tr>
<tr>
<td>51-75%</td>
<td>+20</td>
</tr>
<tr>
<td>76+</td>
<td>+25</td>
</tr>
</tbody>
</table>

Total points 25

2) PERCENT OF SITE DOMINATED BY WILDFLOWERS
(not grasses and sedges)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-8%</td>
<td>+10</td>
</tr>
<tr>
<td>9-16%</td>
<td>+15</td>
</tr>
<tr>
<td>17-25%</td>
<td>+20</td>
</tr>
<tr>
<td>26-34%</td>
<td>+25</td>
</tr>
<tr>
<td>35+</td>
<td>+30</td>
</tr>
</tbody>
</table>

Total points 25

3) COVER DIVERSITY (# of plant species with >1% cover)

<table>
<thead>
<tr>
<th>Number of Species</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9 species</td>
<td>+5</td>
</tr>
<tr>
<td>10-19 species</td>
<td>+15</td>
</tr>
<tr>
<td>20-25 species</td>
<td>+25</td>
</tr>
<tr>
<td>26 or more species</td>
<td>+30</td>
</tr>
</tbody>
</table>

Total points 15

Exclude invasive/noxious weeds from species totals.

4) SEASONS WITH AT LEAST 3 BLOOMING SPECIES
PRESENT (check/add all that apply)

<table>
<thead>
<tr>
<th>Season</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring (April-May)</td>
<td>+10</td>
</tr>
<tr>
<td>Summer (June-August)</td>
<td>+5</td>
</tr>
<tr>
<td>Fall (September-October)</td>
<td>+5</td>
</tr>
</tbody>
</table>

Total points 10

See BWSR Pollinator Toolbox for Information about bloom season.

5) AVAILABLE HABITAT COMPONENTS WITHIN SITE
OR WITHIN .25 MILES (check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native bunch grasses for nesting</td>
<td>+3</td>
</tr>
<tr>
<td>Native flowering shrubs</td>
<td>+4</td>
</tr>
<tr>
<td>Clean, perennial water sources</td>
<td>+3</td>
</tr>
</tbody>
</table>

Total points 3

6) AVAILABLE HABITAT COMPONENTS ON-SITE
(check/add all that apply)

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 1% milkweed cover</td>
<td>+5</td>
</tr>
<tr>
<td>Detailed management plan developed (see notes)</td>
<td>+15</td>
</tr>
<tr>
<td>Signage legible at forty or more feet stating pollinator friendly solar habitat (see notes for sign numbers)</td>
<td>+5</td>
</tr>
<tr>
<td>Constructed and maintained nesting habitat feature/s (bee blocks, etc.)</td>
<td>+5</td>
</tr>
</tbody>
</table>

Total points 20

7) INSECTICIDE RISK

<table>
<thead>
<tr>
<th>Risk Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned on-site insecticide use. (excluding buildings/electrical boxes, etc.)</td>
<td>-25</td>
</tr>
<tr>
<td>Communication with local chemical applicators/neighbors about need to prevent drift from adjacent areas</td>
<td>+10</td>
</tr>
</tbody>
</table>

Total points 0

Grand Total 98

Gold Standard - Provides Exceptional Habitat 85+
Meets Pollinator Standards 70

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Project Name: Aurora Solar - West Waconia Site
Vegetation Consultant: Atwell, LLC
Project County: Carver County, Minnesota
Project Size: 74.8 acres
Evaluation Date: July 30, 2020

See notes related to the questions on the back side of this form.

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