

LANDSCAPING PLAN

The Project will establish a native turf grass mix inside the fence, along with a pollinator friendly seed mix around the perimeter of the project. Additionally, the Project will not be removing any vegetation or clearing any trees.

Native Grass Turf Mix (or substantially similar):

Updated: 2023



Partners also include stakeholder collaboration among Non-profits, Seed vendors, SWCD, Tribal Government Consultants, County and Cities. (see stakeholder list on [website](#))

Mid Diversity Solar Array Motel Soils South & West					
39-551					
Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by weight)	% by Seed	Seeds/ sq ft
bluejoint	<i>Calamagrostis canadensis</i>	0.08	1.49%	9.68%	8.00
slender wheatgrass	<i>Elymus trachycaulus</i>	1.78	34.08%	5.44%	4.50
Virginia wild rye	<i>Elymus virginicus</i>	1.30	24.88%	2.42%	2.00
fowl manna grass	<i>Glyceria striata</i>	0.14	2.61%	5.44%	4.50
fowl bluegrass	<i>Poa palustris</i>	0.42	8.04%	24.19%	20.00
	Grasses Subtotal	3.72	71%	47%	39.00
Canada milk vetch	<i>Astragalus canadensis</i>	0.16	3.07%	1.21%	1.00
white prairie clover	<i>Dalea candida</i>	0.24	4.68%	2.06%	1.70
	Legumes Subtotal	0.40	8%	3%	2.70
Canada anemone	<i>Anemone canadensis</i>	0.03	0.65%	0.12%	0.10
marsh milkweed	<i>Asclepias incarnata</i>	0.23	4.35%	0.48%	0.40
Canada tick trefoil	<i>Desmodium canadense</i>	0.20	3.80%	0.48%	0.40
grass-leaved goldenrod	<i>Euthamia graminifolia</i>	0.01	0.15%	1.21%	1.00
Blue lobelia	<i>Lobelia siphilitica</i>	0.01	0.21%	2.42%	2.00
Winged Loosestrife	<i>Lythrum alatum</i>	0.01	0.17%	1.21%	1.00
blue monkey flower	<i>Mimulus rhipens</i>	0.01	0.18%	9.68%	8.00

Virginia mountain mint	<i>Pycnanthemum virginianum</i>	0.02	0.48%	2.42%	2.00
black-eyed susan	<i>Rudbeckia hirta</i>	0.09	1.70%	3.63%	3.00
Riddell's goldenrod	<i>Solidago riddellii</i>	0.03	0.56%	1.21%	1.00
field blue-eyed grass	<i>Sisyrinchium campestre</i>	0.01	0.12%	0.12%	0.10
smooth aster	<i>Symphotrichum laeve</i>	0.03	0.60%	0.76%	0.63
	<i>Symphotrichum lanceolatum</i>	0.03	0.67%	2.42%	2.00
eastern panicled aster		0.09	1.79%	0.30%	0.25
tall meadow-rue	<i>Thalictrum dasycarpum</i>	0.02	0.48%	0.12%	0.10
golden alexanders	<i>Zizia aurea</i>	0.02	0.48%	0.12%	0.10
	Forbs Subtotal	0.82	16%	27%	21.98
pointed broom sedge	<i>Carex scoparia</i>	0.06	1.24%	2.42%	2.00
saw-fruited sedge	<i>Carex stipata</i>	0.08	1.54%	1.21%	1.00
fox sedge	<i>Carex vulpinoidea</i>	0.11	2.09%	4.84%	4.00
woolgrass	<i>Scirpus cyperinus</i>	0.02	0.37%	14.51%	12.00
	Sedges Subtotal	0.27	5%	23%	19.00
	Total	5.21	100%	100%	82.68

Temporary Cover Crop					
Option					
Oats	<i>Avena sativa</i>	24.99	100.00%	100.00%	11.13
	Cover Crop Total	24.99	100%	100%	11.13

Pollinator Friendly Seed Mix (or substantially similar):

<u>Botanical Name</u>	<u>Common Name</u>	<u>PLS</u> <u>Ounces/Acre</u>
Permanent Grasses:		
<i>Bouteloua curtipendula</i>	Side Oats Grama	192.00
<i>Schizachyrium scoparium</i>	Little Bluestem	95.00
<i>Sporobolus heterolepis</i>	Prairie Dropseed	16.00
Total		303.00
Temporary Cover:		
<i>Avena sativa</i>	Common Oat	360.00
<i>Lolium multiflorum</i>	Annual Rye	120.00
Total		480.00
Forbs:		
<i>Allium cernuum</i>	Nodding Wild Onion	3.00
<i>Amorpha canescens</i>	Lead Plant	1.00
<i>Aquilegia canadensis</i>	Wild Columbine	2.00
<i>Asclepias tuberosa</i>	Butterfly Milkweed	8.00
<i>Astragalus canadensis</i>	Canadian Milk Vetch	1.00
<i>Baptisia lactea</i>	White Wild Indigo	4.00
<i>Chamaecrista fasciculata</i>	Partridge Pea	16.00
<i>Coreopsis palmata</i>	Prairie Coreopsis	4.00
<i>Dalea candidum</i>	White Prairie Clover	6.00
<i>Dalea purpurea</i>	Purple Prairie Clover	6.00
<i>Echinacea pallida</i>	Pale Purple Coneflower	16.00
<i>Kuhnia eupatoides</i>	False Bone-Set	3.00
<i>Lespedeza capitata</i>	Round-Head Bush Clover	4.00
<i>Liatris aspera</i>	Rough Blazing Star	4.00
<i>Potentilla arguta</i>	Prairie Cinquefoil	0.50
<i>Pycnanthemum virginianum</i>	Common Mountain Mint	0.50
<i>Rudbeckia hirta</i>	Black-Eyed Susan	10.00
<i>Silphium terebinthinaceum</i>	Prairie Dock	2.00
<i>Solidago juncea</i>	Early Goldenrod	0.50
<i>Solidago rigida</i>	Stiff Goldenrod	1.00
<i>Tradescantia ohiensis</i>	Common Spiderwort	5.00
<i>Verbena stricta</i>	Hoary Vervain	3.00
<i>Zizia aurea</i>	Golden Alexanders	5.00
Total		49.75

The existing vegetation on site is made up various types of deciduous trees and with the property to the South owned by John Bohrer as well, the project area is 100% screened from the neighbors. There are also a few smaller coniferous trees on the property as well.



There are no farm fields bordering the natural vegetation, eliminating the concern of pesticide drift. Based on the location of the project and the natural screening on the parcel, we are requesting that no additional screening is required per the ordinance and that a landscaping plan is not required as the parcel is essentially on “an island”.

LIGHTING

The Project does not anticipate having any lighting on-site. In the event security conditions arise that would require lighting, each light would be directed downward.

NO SE

SV CSG Mankato North 1, LLC will comply with all state and local noise requirements. See page 3 of the attached specification sheet for the noise emission of the proposed equipment (highlighted red).

OPERATIONS AND MAINTENANCE

The Project will be operated and maintained by SV CSG Mankato North 1, LLC . It is anticipated there will be monthly and quarterly inspections of all equipment, vegetation management as well as snow removal as necessary. Seed mixes for the native and pollinator-friendly grasses will be finalized prior to start of construction.

DECOMMISSIONING PLAN

A decommissioning plan to ensure equipment removal at the end of the project life is included in the application and a letter of credit or some other form of security will be attained as part of the building permit application as required per the ordinance. A copy of the decommissioning plan can be found later on in the application starting on page 38.

COVERAGE OF PROPERTY

The Project footprint is 5.93 acres, which is roughly 7% of the total coverage of the property in which this project is located. The depiction can be found on page 33 of the application

CONCLUSION

The Project as designed and planned complies with the Lime Township Zoning Codes and Conditional Use Permit application process. The Project will work closely with the landowner as the project progresses towards construction. The project respectfully requests Lime Township and Blue Earth County to approve the Conditional Use Permit with a one-year window to pull a building permit and begin to establish the use. Additionally, SV CSG Mankato North 1, LLC is requesting a variance from Lime Township Ordinance Section 15.4.3. requiring consent from adjoining for a second Community Solar project per tax parcel.