



July 14, 2021

Town of Glen Planning Board

7 Erie Street

Fultonville, NY 12072

ATTN: Tim Reilly

RE: Town of Glen

Borrego Solar Project #: 67-1901

NYS Ag and Market Mitigation Cost Estimate

Per the request of the Town of Glen, Borrego has completed an estimate of mitigation costs for occupation of area within an Agricultural District as defined by the New York State Department of Agriculture & Markets, or NYSDAM. Any solar generating facility that occupies agricultural district area of soils defined as Mineral Soil Groups (MSG) 1-4, is required to complete a mitigation cost calculation based on rules defined by NYSDAM and pay a fee if applicable. Soils are categorized by the NYSDAM in Mineral Soil Groups 1-10. A list is published each year that classifies them at a county specific level. The applicable area of the solar generating array is known as the "Facility Area" and is defined as all land area occupied during the commercial operation of the generating facility.

The project at 2621 NYS RT 5S in the Town of Glen has a facility area of approx. 20 acres. This area includes the fenced solar array and the area of the access road leading to the fenced array. The Town of Glen is within Montgomery County and therefore the list of soils, and their assigned MSG, can be found as defined in the 2021 New York State Agricultural Land Classification for Montgomery County. It is expected that the mitigation cost of this solar generating facility will be zero dollars due to the NYSDAM 30-acre rule; if the affected soil area is less than 30 acres, then no payment is required.

Please see the following pages for complete method and calculations using the related resources and excel worksheet titled "NY-Sun Agricultural Mitigation Estimate Calculator" by New York State.

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Method

- Define Facility Area.
- Obtain Soil Map from USDA's Web Soil Survey.
- Compare Soils returned by Web Soil Survey with listed soils in the New York State Agricultural Land Classification for Montgomery County.
- Define which soils are classified as MSG 1-4.
- Enter areas into Excel Worksheet Titled "NY-Sun Agricultural Mitigation Estimate Calculator" as provided by New York State.
- Ensure MSG 1-4 Values are as defined in the 2021 Agricultural Assessment Values per Acre.
- Complete Calculation.

Calculations

From the soils map of the defined facility area as generated by USDA's Web Soil Survey, the following soils are within the Facility Area;

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|------------------------------------|--|--------------|----------------|
| CFL | Cut and fill land | 0.0 | 0.1% |
| Fr | Fredon silt loam | 0.7 | 3.5% |
| HrB | Howard gravelly silt loam, 3 to 8 percent slopes | 0.1 | 0.3% |
| HrD | Howard gravelly silt loam, 15 to 25 percent slopes | 0.1 | 0.3% |
| HTF | Howard soils, very steep | 1.8 | 8.8% |
| LaB | Lansing silt loam, 3 to 8 percent slopes | 5.0 | 25.1% |
| LaC | Lansing silt loam, 8 to 15 percent slopes | 2.5 | 12.4% |
| LaD | Lansing silt loam, 15 to 25 percent slopes | 0.9 | 4.6% |
| PmC | Palmyra gravelly silt loam, 8 to 15 percent slopes | 5.3 | 26.3% |
| PpB | Phelps gravelly loam, 3 to 8 percent slopes | 3.4 | 17.2% |
| PsB | Plainfield loamy sand, 3 to 10 percent slopes | 0.3 | 1.6% |
| Totals for Area of Interest | | 20.0 | 100.0% |



The soils that are defined as within Mineral Soil Groups 1-4 for Montgomery County are as follows;

- HrB, Howard Gravely Silt Loam, 3 to 8 percent slopes: MSG 2
- LaB, Lansing Silt Loam, 3 to 8 percent slopes: MSG 2
- PpB, Phelps Gravelly Loam, 3 to 8 percent slopes: MSG 2

Tables from Excel Worksheet:

| NY-Sun Agricultural Mitigation Estimate Calculator | | | | | | | | |
|--|------|------------------------------|-------|-------|-------|-------|-----------------|-----------------------------|
| Facility Area (# of Acres) on Mineral Soil Group: | | | | | | | | |
| Project (NY-Sun Application #) | MWdc | Total Parcel(s) Area (Acres) | MSG 1 | MSG 2 | MSG 3 | MSG 4 | MSG 5:10/ Other | Total Facility Area (Acres) |
| 2621 NYS RT 5S - Glen | 6.75 | 48 | - | 9 | - | - | 11 | 20 |

| NYS T&F 2020 MSG 1:4 Value per Acre | | | | |
|--|---------|-------|-------|-----------------------|
| \$1,171 | \$1,042 | \$925 | \$796 | |
| Payment Estimate (\$) by Mineral Soil Group: | | | | |
| MSG1 | MSG2 | MSG3 | MSG4 | Sum of all Acres (\$) |
| \$0 | \$8,857 | \$0 | \$0 | \$8,857 |

| Facility Area Occupation Ratio (Facility Area/ Total Parcel Area) | Estimated Agricultural Mitigation Payment (\$) |
|---|--|
| 41% | \$0 |

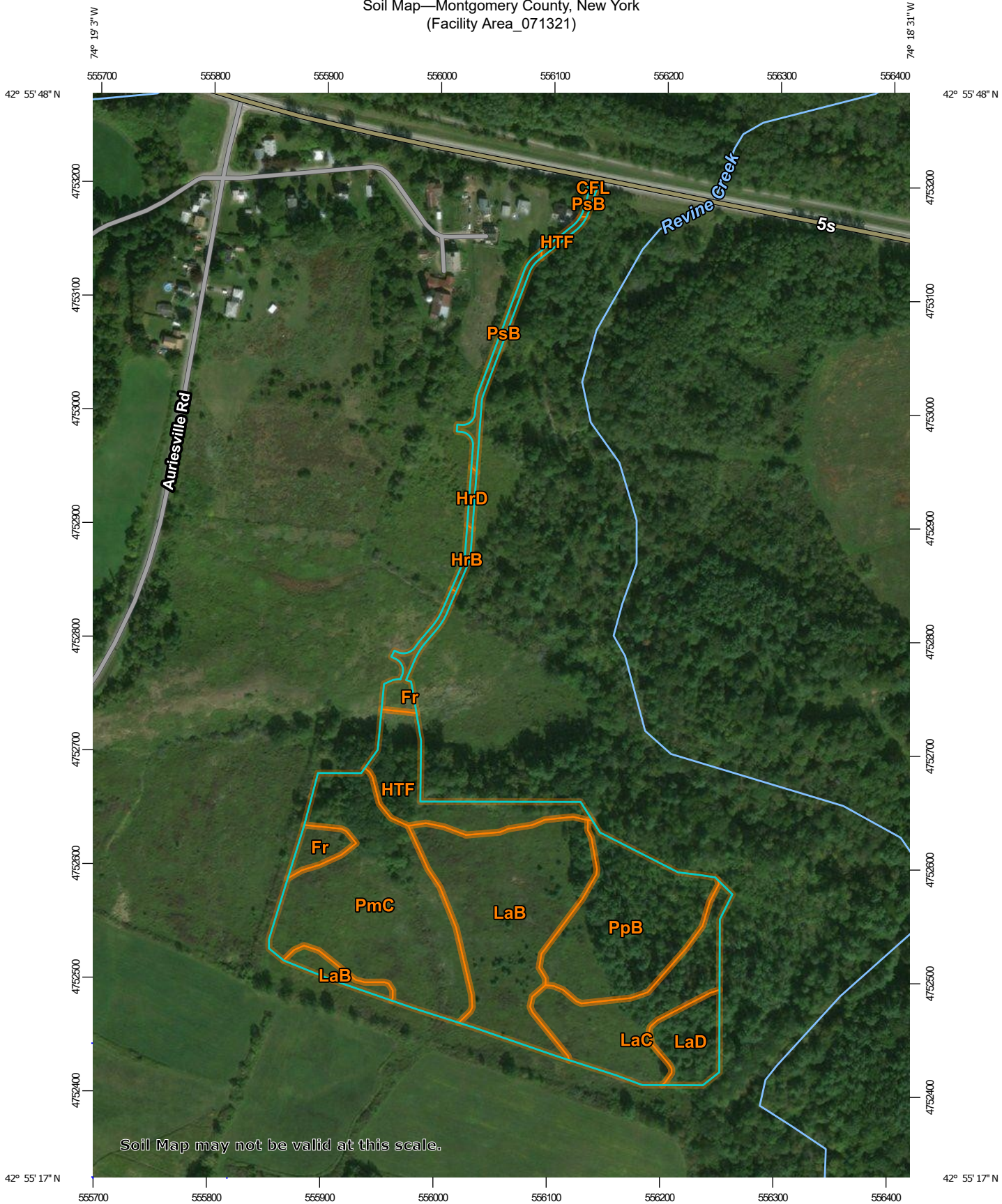
Note: Any Facility Area occupation of less than 30 acres of classified MSG 1-4 soils results in a mitigation cost of Zero dollars (\$0).



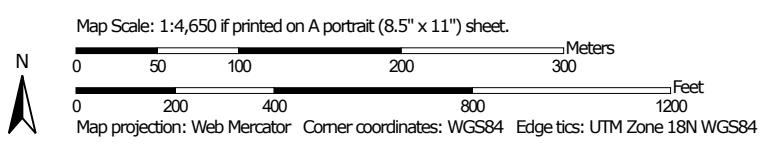
Conclusion

As calculated above, Borrego estimates there is no payment due for the proposed solar generating facility at 2621 NYS RT5S. This estimate is based on the methods outlined above and follows the requirements as defined by the New York State Department of Agriculture & Markets. Please see the attached documents for further detail.

Soil Map—Montgomery County, New York
(Facility Area_071321)



Soil Map may not be valid at this scale.




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Montgomery County, New York
Survey Area Data: Version 18, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 7, 2013—Nov 9, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|------------------------------------|--|--------------|----------------|
| CFL | Cut and fill land | 0.0 | 0.1% |
| Fr | Fredon silt loam | 0.7 | 3.5% |
| HrB | Howard gravelly silt loam, 3 to 8 percent slopes | 0.1 | 0.3% |
| HrD | Howard gravelly silt loam, 15 to 25 percent slopes | 0.1 | 0.3% |
| HTF | Howard soils, very steep | 1.8 | 8.8% |
| LaB | Lansing silt loam, 3 to 8 percent slopes | 5.0 | 25.1% |
| LaC | Lansing silt loam, 8 to 15 percent slopes | 2.5 | 12.4% |
| LaD | Lansing silt loam, 15 to 25 percent slopes | 0.9 | 4.6% |
| PmC | Palmyra gravelly silt loam, 8 to 15 percent slopes | 5.3 | 26.3% |
| PpB | Phelps gravelly loam, 3 to 8 percent slopes | 3.4 | 17.2% |
| PsB | Plainfield loamy sand, 3 to 10 percent slopes | 0.3 | 1.6% |
| Totals for Area of Interest | | 20.0 | 100.0% |



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2021 NEW YORK AGRICULTURAL LAND CLASSIFICATION - MONTGOMERY - JANUARY 1, 2021

| MAPSYM | FM5 CAP | TEMP | SOIL MODIFIER | SOIL SLOPE | SOIL NAME | DRAINAGE | MODIFIER | TEXTURE | LIME | ROTN | AVE CORN | AVE HAY | SOIL GROUP | FLD | CHNG | AVE TDN | INDEX |
|--------|---------|------|---------------|------------|------------------------|----------|----------|---------|------|------|----------|---------|------------|-----|------|---------|-------|
| AlB | 2S | M | | 03-08 | ALTON | WE | GR | L | LO | 5 | 15.2 | 3.7 | 3 | | | 2.44 | 53.8 |
| AmA | 2W | M | | 00-03 | AMENIA | M | | L | HI | 5 | 18.5 | 3.7 | 2 | | | 2.77 | 61.0 |
| AmB | 2E | M | | 03-08 | AMENIA | M | | L | HI | 4 | 18.2 | 3.7 | 3 | | | 2.56 | 56.5 |
| AnB | 3W | M | | 03-08 | ANGOLA | S | | SIL | LO | 3 | 12.0 | 2.0 | 6 | | | 1.40 | 30.9 |
| AoB | 3W | M | | 03-08 | ANGOLA | S | CN | SIL | LO | 3 | 12.0 | 2.0 | 6 | | | 1.40 | 30.9 |
| ApA | 3W | M | | 00-03 | APPLETON | S | | SIL | HI | 4 | 13.5 | 2.6 | 5 | | | 1.87 | 41.2 |
| ApB | 3W | M | | 03-08 | APPLETON | S | | SIL | HI | 4 | 13.5 | 2.6 | 5 | | | 1.87 | 41.2 |
| ArB | 3E | M | | 00-08 | ARNOT | MW | CN | SIL | LO | 3 | 10.5 | 2.0 | 6 | | | 1.31 | 28.9 |
| AtC | 4E | M | | 08-15 | ARNOT | MW | R | SIL | LO | 2 | 7.5 | 1.0 | 8 | | | 0.48 | 10.6 |
| AtD | 6E | M | | 15-25 | ARNOT | MW | R | SIL | LO | 0 | 0.0 | 0.7 | 8 | | | 0.36 | 7.9 |
| AvB | 3E | M | | 03-08 | ARNOT-ANGOLA | MS | CN | SIL | LO | 3 | 11.3 | 2.0 | 6 | | | 1.36 | 29.9 |
| AZF | 7S | M | V STEEP | 35-60 | ARNOT-ROCK OUTCROP | MW | CN | SIL | LO | 0 | 0.0 | 0.0 | 9 | | | 0.00 | 0.0 |
| BoB | 2E | M | | 03-08 | BROADALBIN | MW | | L | LO | 3 | 16.7 | 3.7 | 3 | | | 2.29 | 50.5 |
| BoC | 3E | M | | 08-15 | BROADALBIN | MW | | L | LO | 1 | 15.0 | 3.0 | 5 | | | 1.64 | 36.0 |
| BoD | 4E | M | | 15-25 | BROADALBIN | MW | | L | LO | 0 | 0.0 | 2.6 | 6 | | | 1.30 | 28.6 |
| Br | 3W | M | | 00-03 | BROCKPORT | S | | SIL | LO | 4 | 12.8 | 2.6 | 5 | | | 1.81 | 39.9 |
| BuA | 3W | M | | 00-03 | BURDETT | S | CN | SIL | LO | 4 | 12.8 | 2.6 | 5 | | | 1.81 | 39.9 |
| BuB | 3W | M | | 03-08 | BURDETT | S | CN | SIL | LO | 4 | 12.8 | 2.6 | 5 | | | 1.81 | 39.9 |
| BuC | 3E | M | | 08-15 | BURDETT | S | CN | SIL | LO | 1 | 11.3 | 1.9 | 7 | | | 1.09 | 24.0 |
| BvA | 3W | M | | 00-03 | BURDETT-SCRIBA | S | CN | SIL | LO | 3 | 12.0 | 2.3 | 6 | | | 1.52 | 33.4 |
| BvB | 3W | M | | 03-08 | BURDETT-SCRIBA | S | CN | SIL | LO | 3 | 12.0 | 2.3 | 6 | | | 1.52 | 33.4 |
| BvC | 3E | M | | 08-15 | BURDETT-SCRIBA | S | CN | SIL | LO | 1 | 12.0 | 2.3 | 6 | | | 1.26 | 27.8 |
| BXB | 7S | M | | 00-03 | BURDETT-SCRIBA | S | STX | SIL | LO | 3 | 12.0 | 2.2 | 9 | | | 1.48 | 32.6 |
| Ca | 3W | M | DRAINED | 00-03 | CARLISLE | B | | MK | LO | 5 | 9.0 | 1.6 | 6 | | | 1.31 | 28.8 |
| Ca | 5W | M | UNDRAINED | 00-03 | CARLISLE | B | | MK | LO | 0 | 0.0 | 0.0 | 10 | | | 0.00 | 0.0 |
| Ce | 4W | M | | 00-03 | CHEEKTOWAGA | P | | FSL | LO | 3 | 10.5 | 1.6 | 7 | | | 1.19 | 26.2 |
| ChA | 3W | M | | 00-03 | CHURCHVILLE | S | | SICL | LO | 4 | 13.5 | 2.6 | 5 | | | 1.87 | 41.2 |
| ChB | 3W | M | | 03-08 | CHURCHVILLE | S | | SICL | LO | 4 | 13.5 | 2.6 | 5 | | | 1.87 | 41.2 |
| CIB | 2W | M | | 03-08 | CLAVERACK | M | | LFS | LO | 5 | 15.2 | 3.4 | 3 | | | 2.36 | 51.9 |
| CPE | 7E | M | STEEP | 15-50 | COLONIE-PLAINFIELD | WE | | FSL | LO | 0 | 0.0 | 0.0 | 9 | | | 0.00 | 0.0 |
| Cr | 1 | M | | 00-03 | COPAKE | WE | | SIL | LO | 7 | 17.7 | 3.7 | 2 | | | 3.03 | 66.8 |
| DaA | 3W | M | | 00-03 | DARIEN | S | | SIL | LO | 4 | 12.8 | 2.3 | 5 | | | 1.71 | 37.7 |
| DaB | 3W | M | | 03-08 | DARIEN | S | | SIL | LO | 4 | 12.8 | 2.3 | 5 | | | 1.71 | 37.7 |
| DaC | 3E | M | | 08-15 | DARIEN | S | | SIL | LO | 1 | 12.0 | 1.6 | 7 | | | 0.96 | 21.1 |
| FaB | 3E | M | | 00-08 | FARMINGTON | WE | | SIL | HI | 5 | 9.8 | 2.0 | 6 | | | 1.46 | 32.2 |
| FBD | 7E | M | M STEEP | 00-25 | FARMINGTON-ROCK OUTCRO | WE | | SIL | HI | | 0.0 | 0.0 | 8 | | | 0.00 | 0.0 |
| FL | NA | | LOAMY | 00-03 | FLUVAQUENTS | | | | | 0 | 0.0 | 0.0 | 9 | | | 0.00 | 0.0 |
| Fo | 4W | M | | 00-03 | FONDA | V | MK | SICL | LO | 3 | 9.0 | 1.3 | 7 | | | 0.99 | 21.8 |
| Fr | 3W | M | | 00-03 | FREDON | SP | | SIL | LO | 4 | 11.3 | 2.0 | 6 | | | 1.49 | 32.7 |
| Gr | 4W | M | | 00-03 | GRANBY | V | | LFS | LO | 2 | 10.5 | 1.0 | 8 | | | 0.48 | 10.6 |
| Ha | 1 | M | | 00-03 | HAMLIN | W | | SIL | LO | 7 | 20.3 | 4.0 | 1 | R | | 3.44 | 75.8 |
| Ha | 1 | M | | 00-03 | HAMLIN | W | | SIL | LO | 5 | 16.7 | 3.4 | 3 | S | | 2.51 | 55.3 |
| Ha | 1 | M | | 00-03 | HAMLIN | W | | SIL | LO | 3 | 13.5 | 2.6 | 5 | U | | 1.73 | 38.2 |
| He | 1 | M | CALCM SUB | 00-03 | HERKIMER | WM | SH | SIL | LO | 7 | 16.9 | 3.4 | 2 | | | 2.87 | 63.3 |
| HGC | 6S | M | | 08-15 | HOLLIS-ROCK OUTCROP | WE | | FSL | LO | 3 | 9.8 | 1.6 | 7 | | | 1.15 | 25.2 |
| HoA | 3W | M | | 00-03 | HORNELL | SM | | SIL | LO | 3 | 12.0 | 2.0 | 6 | | | 1.40 | 30.9 |
| HoB | 3W | M | | 03-08 | HORNELL | SM | | SIL | LO | 3 | 12.0 | 2.0 | 6 | | | 1.40 | 30.9 |
| HoC | 3E | M | | 08-15 | HORNELL | SM | | SIL | LO | 1 | 10.5 | 1.6 | 7 | | | 0.93 | 20.5 |
| HrA | 2S | M | | 00-03 | HOWARD | WE | GR | SIL | LO | 7 | 17.7 | 3.7 | 2 | | | 3.03 | 66.8 |
| HrB | 2S | M | | 03-08 | HOWARD | WE | GR | SIL | LO | 6 | 16.9 | 3.7 | 2 | | | 2.77 | 61.0 |
| HrC | 3E | M | | 08-15 | HOWARD | WE | GR | SIL | LO | 3 | 13.5 | 3.0 | 5 | | | 1.85 | 40.7 |
| HrD | 4E | M | | 15-25 | HOWARD | WE | GR | SIL | LO | 1 | 12.0 | 2.6 | 6 | | | 1.41 | 31.1 |
| HrE | 7E | M | V STEEP | 25-70 | HOWARD | WE | GR | SIL | LO | 0 | 0.0 | 0.0 | 9 | | | 0.00 | 0.0 |
| HuB | 2E | M | | 03-08 | HUDSON | MW | | SICL | LO | 4 | 17.5 | 3.4 | 3 | | | 2.40 | 52.9 |
| HuC | 3E | M | | 08-15 | HUDSON | MW | | SICL | LO | 1 | 15.0 | 2.6 | 6 | | | 1.47 | 32.4 |
| HuD | 4E | M | | 15-25 | HUDSON | MW | | SICL | LO | 1 | 15.0 | 2.6 | 7 | | | 1.45 | 32.0 |
| HVF | 7E | M | V STEEP | 25-70 | HUDSON | MW | | SICL | LO | 0 | 0.0 | 0.0 | 9 | | | 0.00 | 0.0 |
| IIA | 4W | M | | 00-03 | ILION | P | | SIL | LO | 3 | 11.3 | 1.6 | 7 | | | 1.24 | 27.2 |
| IIB | 4W | M | | 03-08 | ILION | P | | SIL | LO | 3 | 11.3 | 1.6 | 7 | | | 1.24 | 27.2 |
| InB | 7S | M | | 00-08 | ILION | P | STV | SIL | LO | 3 | 11.3 | 1.2 | 8 | | | 0.60 | 13.2 |
| Jo | 4W | M | | 00-03 | JOLIET | P | | SIL | LO | 3 | 7.5 | 1.9 | 7 | | | 1.12 | 24.7 |
| Ju | 3W | M | | 00-03 | JUNIUS | SP | | LFS | LO | 5 | 10.5 | 2.0 | 6 | | | 1.54 | 33.9 |
| LaB | 2E | M | | 03-08 | LANSING | W | | SIL | LO | 5 | 18.5 | 3.7 | 2 | | | 2.77 | 61.0 |
| LaC | 3E | M | | 08-15 | LANSING | W | | SIL | LO | 2 | 15.8 | 3.0 | 5 | | | 1.82 | 40.0 |
| LaD | 4E | M | | 15-25 | LANSING | W | | SIL | LO | 1 | 13.5 | 2.6 | 6 | | | 1.44 | 31.7 |
| LMF | 7E | M | | 25-60 | LANSING-MOHAWK | WM | | SIL | LO | | 0.0 | 0.0 | 9 | | | 0.00 | 0.0 |
| LoA | 2S | M | | 00-03 | LORDSTOWN | W | GR | SIL | LO | 7 | 13.5 | 2.7 | 4 | | | 2.29 | 50.5 |
| LoB | 2E | M | | 03-08 | LORDSTOWN | W | GR | SIL | LO | 5 | 13.5 | 2.7 | 4 | | | 2.02 | 44.5 |
| LoC | 3E | M | | 08-15 | LORDSTOWN | W | GR | SIL | LO | 2 | 12.0 | 2.0 | 6 | | | 1.26 | 27.8 |
| LoD | 4E | M | | 15-25 | LORDSTOWN | W | GR | SIL | LO | 1 | 9.0 | 1.6 | 7 | | | 0.90 | 19.8 |
| LRE | 7E | M | STEEP | 08-35 | LORDSTOWN-ROCK | W | GR | SIL | LO | | 0.0 | 0.0 | 8 | | | 0.00 | 0.0 |
| Ma | 4W | M | | 00-03 | MADALIN | PV | | SICL | LO | 3 | 10.5 | 1.6 | 7 | | | 1.19 | 26.2 |
| Md | 4W | M | M SHL VAR | 00-03 | MADALIN | PV | | SICL | LO | 3 | 9.0 | 1.6 | 7 | | | 1.10 | 24.2 |
| Mg | 8S | | | | MADE LAND | | | | | 0 | 0.0 | 0.0 | 9 | | | 0.00 | 0.0 |
| MmA | 3W | M | | 00-03 | MANHEIM | S | | SIL | LO | 4 | 13.5 | 2.6 | 5 | | | 1.87 | 41.2 |
| MmB | 3W | M | | 03-08 | MANHEIM | S | | SIL | LO | 4 | 13.5 | 2.6 | 5 | | | 1.87 | 41.2 |
| MnB | 2E | M | | 03-08 | MANLIUS | WE | | SIL | LO | 5 | 13.5 | 3.0 | 4 | | | 2.10 | 46.3 |
| MoC | 3E | M | | 08-15 | MANLIUS | WE | SH | SIL | LO | 2 | 12.0 | 2.3 | 6 | | | 1.39 | 30.6 |
| MoD | 4E | M | | 15-25 | MANLIUS | WE | SH | SIL | LO | 1 | 9.8 | 1.9 | 7 | | | 1.06 | 23.3 |
| MPE | 6E | M | STEEP | 25-35 | MANLIUS-ROCK OUTCROP | WE | SH | SIL | LO | | 0.0 | 0.0 | 8 | | | 0.00 | 0.0 |
| MrB | 2W | M | | 03-08 | MARDIN | M | GR | SIL | LO | 5 | 14.3 | 2.7 | 4 | | | 2.10 | 46.1 |

| | | | | | | | | | | | | | | | |
|-----|----|---|------------|-------|------------------------|----|------|-----|----|------|------|-----|------|------|------|
| MsB | 2E | M | | 03-08 | MOHAWK | WM | SIL | HI | 4 | 18.2 | 3.7 | 3 | 2.56 | 56.5 | |
| MsC | 3E | M | | 08-15 | MOHAWK | WM | SIL | HI | 2 | 16.5 | 3.0 | 5 | 1.85 | 40.7 | |
| MsD | 4E | M | | 15-25 | MOHAWK | WM | SIL | HI | 1 | 13.5 | 2.6 | 6 | 1.44 | 31.7 | |
| MtA | 3W | M | | 00-03 | MOSHERVILLE | S | L | LO | 4 | 12.8 | 2.3 | 5 | 1.71 | 37.7 | |
| MtB | 3W | M | | 03-08 | MOSHERVILLE | S | L | LO | 3 | 12.8 | 2.3 | 6 | 1.56 | 34.4 | |
| NaD | 6E | M | | 08-25 | NASSAU | E | SH | SIL | LO | 1 | 6.0 | 1.0 | 8 | 0.48 | 10.6 |
| NeB | 2E | M | | 03-08 | NELLIS | W | L | HI | 5 | 18.5 | 3.7 | 2 | 2.77 | 61.0 | |
| NeC | 3E | M | | 08-15 | NELLIS | W | L | HI | 1 | 16.5 | 3.0 | 5 | 1.67 | 36.7 | |
| NeD | 4E | M | | 15-25 | NELLIS | W | L | HI | 3 | 0.0 | 2.6 | 6 | 0.91 | 20.0 | |
| NuB | 2E | M | | 03-08 | NUNDA | M | CN | SIL | LO | 5 | 16.0 | 3.4 | 3 | 2.43 | 53.6 |
| NuC | 3E | M | | 08-15 | NUNDA | M | CN | SIL | LO | 1 | 14.3 | 2.6 | 6 | 1.46 | 32.0 |
| NuD | 4E | M | | 15-25 | NUNDA | M | CN | SIL | LO | 0 | 0.0 | 2.2 | 7 | 1.12 | 24.7 |
| NVF | 7E | M | V STEEP | 25-50 | NUNDA | M | CN | SIL | LO | 0 | 0.0 | 0.0 | 9 | 0.00 | 0.0 |
| NWC | 7S | M | | 00-15 | NUNDA | M | STX | SIL | LO | | 0.0 | 0.0 | 9 | 0.00 | 0.0 |
| PaB | 2E | M | | 03-08 | PALATINE | WE | SIL | HI | 5 | 15.0 | 3.0 | 4 | 2.25 | 49.6 | |
| PaC | 3E | M | | 08-15 | PALATINE | WE | SIL | HI | 1 | 12.0 | 2.6 | 6 | 1.41 | 31.1 | |
| PaD | 4E | M | | 15-25 | PALATINE | WE | SIL | HI | 1 | 6.0 | 1.9 | 7 | 0.98 | 21.7 | |
| Pb | 3W | M | DRAINED | 00-03 | PALMS | B | MK | LO | 5 | 9.0 | 1.6 | 6 | 1.31 | 28.8 | |
| Pb | 5W | M | UNDRAINED | 00-03 | PALMS | B | MK | LO | 0 | 0.0 | 0.0 | 10 | 0.00 | 0.0 | |
| PmA | 1 | M | | 00-03 | PALMYRA | WE | GR | SIL | HI | 7 | 18.7 | 3.7 | 1 | 3.17 | 69.9 |
| PmB | 2E | M | | 03-08 | PALMYRA | WE | GR | SIL | HI | 6 | 18.5 | 3.7 | 2 | 2.95 | 65.1 |
| PmC | 3E | M | | 08-15 | PALMYRA | WE | GR | SIL | HI | 2 | 16.5 | 3.0 | 5 | 1.85 | 40.7 |
| PpA | 2W | M | | 00-03 | PHELPS | M | GR | L | LO | 5 | 18.5 | 3.4 | 2 | 2.69 | 59.2 |
| PpB | 2E | M | | 03-08 | PHELPS | M | GR | L | LO | 5 | 18.5 | 3.4 | 2 | 2.69 | 59.2 |
| Pr | 2W | M | FAN | 00-03 | PHELPS | M | GR | L | LO | 5 | 18.5 | 3.4 | 2 | 2.69 | 59.2 |
| PsA | 4S | M | | 00-03 | PLAINFIELD | E | LS | LO | 7 | 11.3 | 2.6 | 5 | 1.97 | 43.4 | |
| PsB | 6S | M | | 03-10 | PLAINFIELD | E | LS | LO | 4 | 10.5 | 2.3 | 6 | 1.52 | 33.5 | |
| Ra | 3W | M | | 00-03 | RAYNHAM | SP | SIL | LO | 4 | 12.0 | 2.3 | 5 | 1.65 | 36.4 | |
| RhA | 3W | M | | 00-03 | RHINEBECK | S | SICL | LO | 4 | 13.5 | 2.6 | 5 | 1.87 | 41.2 | |
| RhB | 3W | M | | 03-08 | RHINEBECK | S | SICL | LO | 4 | 13.5 | 2.6 | 5 | 1.87 | 41.2 | |
| RLF | 8S | M | V STEEP | 25-70 | ROCK OUTCROP-FARMINGTO | WE | SIL | HI | | 0.0 | 0.0 | 9 | 0.00 | 0.0 | |
| SA | 8W | | | | SAPRISTS-AQUENTS | | | | | 0 | 0.0 | 0.0 | 10 | 0.00 | 0.0 |
| ScA | 2W | M | | 00-03 | SCIO | M | SIL | LO | 6 | 17.7 | 3.4 | 2 | 2.80 | 61.6 | |
| ScB | 2E | M | | 03-08 | SCIO | M | SIL | LO | 3 | 17.3 | 3.4 | 4 | 2.21 | 48.6 | |
| Su | 4W | M | | 00-03 | SUN | PV | L | LO | 2 | 10.5 | 1.6 | 7 | 1.06 | 23.3 | |
| Te | 2W | M | | 00-03 | TEEL | M | SIL | LO | 6 | 18.5 | 3.4 | 2 | 2.89 | 63.6 | |
| Te | 3W | M | | 00-03 | TEEL | S | SIL | LO | 4 | 13.5 | 2.6 | 5 | 1.87 | 41.2 | |
| Te | 2W | M | | 00-03 | TEEL | M | SIL | LO | 5 | 16.0 | 3.0 | 3 | 2.35 | 51.8 | |
| Te | 3W | M | | 00-03 | TEEL | S | SIL | LO | 3 | 12.0 | 2.0 | 6 | 1.40 | 30.9 | |
| Te | 3W | M | | 00-03 | TEEL | M | SIL | LO | 3 | 12.8 | 2.3 | 6 | 1.56 | 34.4 | |
| Te | 4W | M | | 00-03 | TEEL | S | SIL | LO | 2 | 10.5 | 1.6 | 7 | 1.06 | 23.3 | |
| Tu | 4W | M | | 00-03 | TULLER | SP | CN | SIL | LO | 3 | 10.5 | 1.6 | 7 | 1.19 | 26.2 |
| TvA | 4W | M | | 00-03 | TULLER-BROCKPORT | SP | CN | SIL | LO | 3 | 11.3 | 1.6 | 7 | 1.24 | 27.2 |
| TvB | 4W | M | | 03-08 | TULLER-BROCKPORT | SP | CN | SIL | LO | 3 | 11.3 | 1.6 | 7 | 1.24 | 27.2 |
| UnB | 2E | M | | 00-08 | UNADILLA | W | SIL | LO | 4 | 18.5 | 4.0 | 2 | 2.68 | 59.1 | |
| UnC | 3E | M | | 08-15 | UNADILLA | W | SIL | LO | 1 | 16.5 | 3.3 | 5 | 1.82 | 40.0 | |
| UnD | 4E | M | | 15-25 | UNADILLA | W | SIL | LO | 0 | 0.0 | 2.9 | 6 | 1.46 | 32.2 | |
| VaA | 4W | M | | 00-03 | VARICK | P | SIL | LO | 3 | 10.5 | 1.6 | 7 | 1.19 | 26.2 | |
| VaB | 4W | M | | 03-08 | VARICK | P | SIL | LO | 3 | 10.5 | 1.6 | 7 | 1.19 | 26.2 | |
| WaA | 2S | M | | 00-03 | WASSAIC | WM | SIL | HI | 6 | 16.0 | 3.0 | 3 | 2.52 | 55.5 | |
| WaB | 2E | M | | 03-08 | WASSAIC | WM | SIL | HI | 5 | 16.0 | 3.0 | 3 | 2.35 | 51.8 | |
| WaC | 3E | M | | 08-15 | WASSAIC | WM | SIL | HI | 3 | 13.5 | 2.6 | 5 | 1.73 | 38.2 | |
| Wy | 3W | M | FREQ FLOOD | 00-03 | WAYLAND | PV | SIL | LO | 2 | 9.0 | 1.0 | 8 | 0.48 | 10.6 | |

NY-Sun Agricultural Mitigation Estimate Calculator

| | | | Facility Area (# of Acres) on Mineral Soil Group: | | | | | |
|--------------------------------|------|----------------|---|-------|-------|-------|-----------------|-----------------------------|
| Project (NY-Sun Application #) | MWdc | Parcel(s) Area | MSG 1 | | MSG 2 | | MSG 5:10/ Other | Total Facility Area (Acres) |
| | | | MSG 1 | MSG 2 | MSG 3 | MSG 4 | MSG 5:10/ Other | |
| <i>Example Project</i> | 5.00 | 12.7 | - | - | 12.7 | - | - | 12.7 |
| 2621 NYS RT 5S - Glen | 6.75 | 48 | - | 9 | - | - | 11 | 20 |
| | | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - |

Proposer Instructions

1. Populate Columns A and B with project information for reference.
2. Populate Column C with the total area of controlled parcels and, if applicable, parcels intended to be controlled for use to construct the Bid Facility site.
3. Populate Columns D through H based on the expected amount of overlap of Facility Area on MSG 1-4 and other soil types/land cover types.
4. Columns I through O will automatically calculate.
5. Column P will display the estimated Agricultural Mitigation Payment based on the estimated inputs for the Facility Area overlap with MSG 1-4

Proposers should note that an Agricultural Mitigation Payment will only be required

NYS T&F 2020 MSG 1:4 Value per Acre

\$1,171 \$1,042 \$925 \$796

Payment Estimate (\$) by Mineral Soil Group:

| MSG1 | MSG2 | MSG3 | MSG4 | Sum of all Acres (\$) | Facility Area Occupation Ratio (Facility Area/ Total Parcel Area) | Estimated Agricultural Mitigation Payment (\$) |
|------|---------|----------|------|-----------------------|---|--|
| \$0 | \$0 | \$11,748 | \$0 | \$11,748 | 100% | \$0 |
| \$0 | \$8,857 | \$0 | \$0 | \$8,857 | 41% | \$0 |
| \$0 | \$0 | \$0 | \$0 | \$0 | Enter values in Columns C through H | TBD |
| \$0 | \$0 | \$0 | \$0 | \$0 | Enter values in Columns C through H | TBD |
| \$0 | \$0 | \$0 | \$0 | \$0 | Enter values in Columns C through H | TBD |
| \$0 | \$0 | \$0 | \$0 | \$0 | Enter values in Columns C through H | TBD |

Key Definitions

The Facility Area is defined as all land area occupied during the commercial operation of the generation facility, the associated interconnection equipment and, if applicable, energy storage equipment as verified by NYSERDA through the Operational Certification process. Generally, this will include all areas within the facility's perimeter security fence(s) and the applicable facility related improvements outside of fenced areas. The Facility Area shall include the area "inside the fence" of the project including all fencing inclosing the mechanical equipment such as the solar arrays, inverters, location of any combiner boxes, fuses, switches, meters, distribution boards, monitoring systems such as Balance of Systems components, interconnection equipment, and stormwater controls. The Facility Area shall additionally include improvements of the project "outside of the fence" including access roads, parking areas, stormwater controls and other permanent facilities, or structures installed at the Facility Area, except vegetative landscape screenings or appropriately buried utilities such as electrical conductors or conduit(s).

MSG 1-4 are defined by the NYS Department of Agriculture and Markets for each soil type in each county identified by the United State Department of Agriculture, and are used to classify the state's agricultural lands based upon soil productivity and capability. Each county in New York State has a listing of all soil types present in the county that is associated with a specific mineral soil group, MSG 1 through 10. The interactive map of MSG 1-4 applicable to all RESRFP20-1 Bid Facilities is available here: [NYS Dept. of Agriculture and Markets Soil Groups](#)

The Mitigation Value per Acre is defined as the dollar value for MSG 1, 2, 3 and 4 according to the most current document entitled "Agricultural Assessment Values Per Acre" as prepared annually by the NYS Department of Taxation and Finance (NYSTF).

The Mitigation Fund Payment is the calculated amount shown above and described in RESRFP20-1, which acts as the estimated benchmark that the Proposer would expect to pay based on the proposed site configuration (Facility Area), knowledge of on-site conditions and before any other action to decrease this payment amount. Payment amounts may be adjusted through consultations with the New York State Department of Agriculture and Markets (AGM) regarding co-agricultural opportunities, and based on the final site configuration (reduced or expanded facility occupied acreage).

The Mitigation Fund Payment must be estimated and included by the Proposer as part of the Bid Proposal, and the estimate will be confirmed by NYSERDA prior to the offer of an award. The actual Mitigation Fund Payment, due at Commercial Operation Date (COD), will