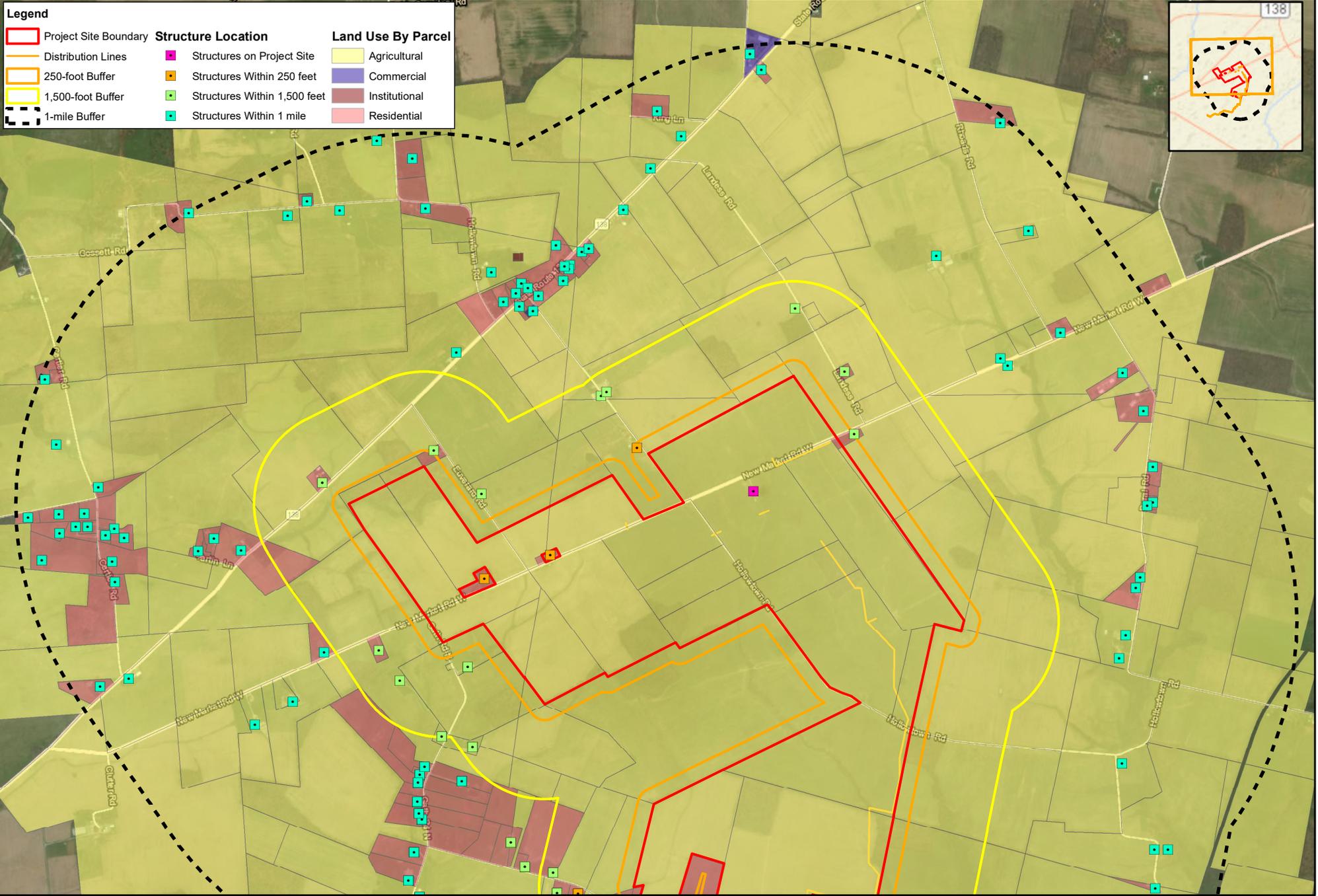
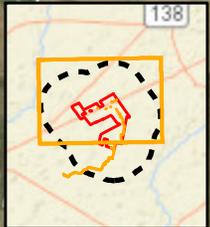


Ohio Power Siting Board Application  
New Market Solar Farm  
Hecate Energy Highland 4 LLC and  
Hecate Energy Highland 2, LLC

**Figure 12: Land Use Map**

**Legend**

|                       |                              |                           |
|-----------------------|------------------------------|---------------------------|
| Project Site Boundary | <b>Structure Location</b>    | <b>Land Use By Parcel</b> |
| Distribution Lines    | Structures on Project Site   | Agricultural              |
| 250-foot Buffer       | Structures Within 250 feet   | Commercial                |
| 1,500-foot Buffer     | Structures Within 1,500 feet | Institutional             |
| 1-mile Buffer         | Structures Within 1 mile     | Residential               |



Page 1 of 2

0 0.25 0.5 1 Miles

|              |           |
|--------------|-----------|
| Project No.  | N1207163  |
| Drawn By:    | MDP       |
| Approved By: | EK        |
| Date:        | 8/27/2020 |

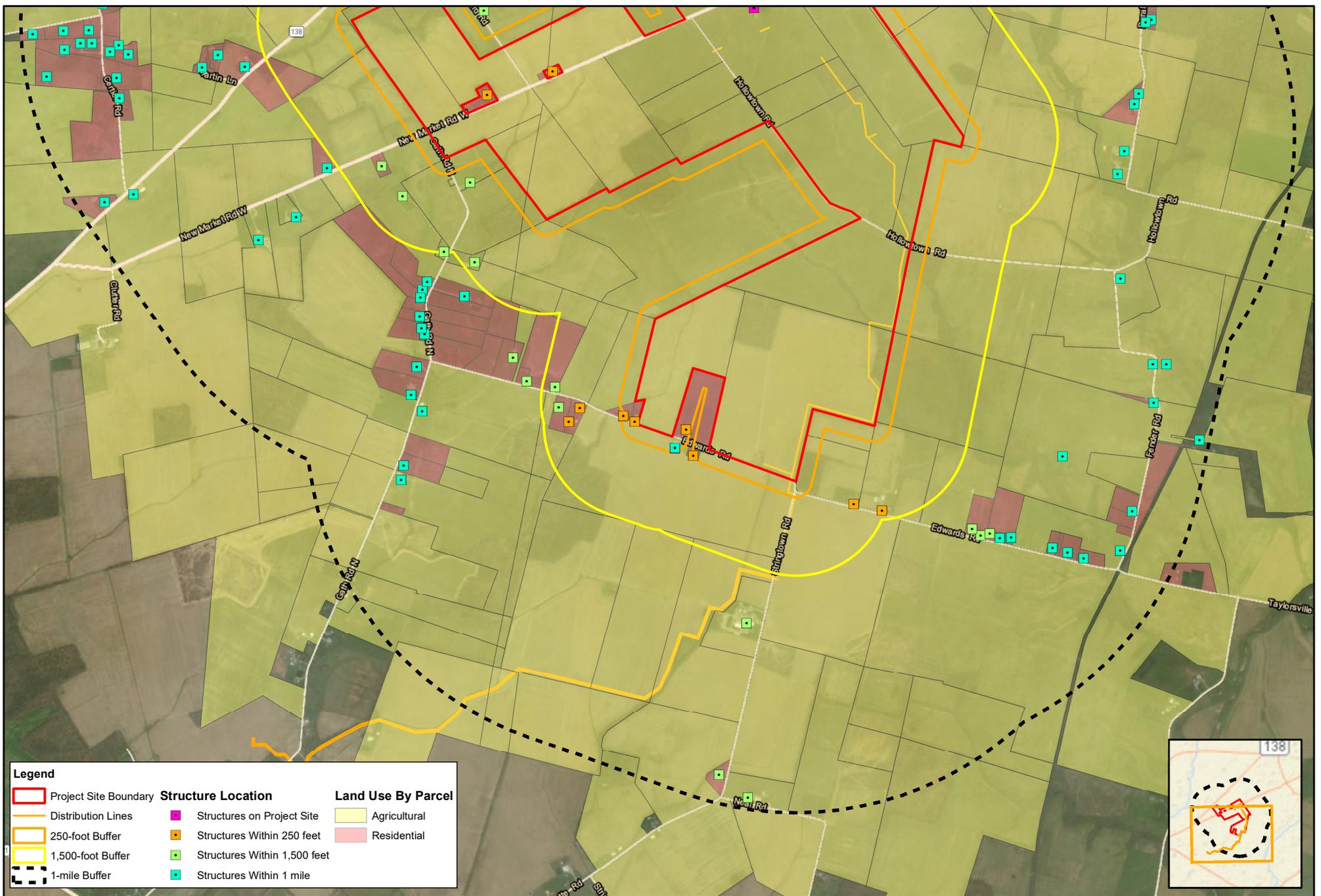
**Terracon**  
Consulting Engineers & Scientists

611 Lunken Park Drive Cincinnati, Ohio 45226  
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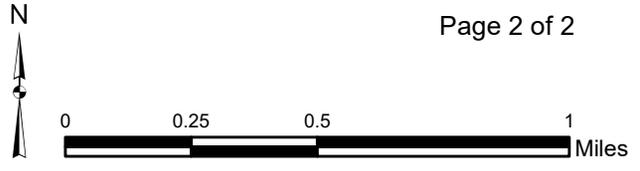
**Map of Land Uses**

Ohio Power Siting Board Application Figures  
Hecate Energy Highland 4 LLC  
New Market Solar I  
OH 138  
Buford, Highland County, Ohio

Figure  
**12.1**



| Legend |                       |                           |
|--------|-----------------------|---------------------------|
|        | Project Site Boundary | <b>Structure Location</b> |
|        | Distribution Lines    |                           |
|        | 250-foot Buffer       |                           |
|        | 1,500-foot Buffer     |                           |
|        | 1-mile Buffer         |                           |
|        |                       | <b>Land Use By Parcel</b> |
|        |                       |                           |
|        |                       |                           |



|              |           |
|--------------|-----------|
| Project No.  | N1207163  |
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**Map of Land Uses**  
 Ohio Power Siting Board Application Figures  
 Hecate Energy Highland 4 LLC  
 New Market Solar I  
 OH 138  
 Buford, Highland County, Ohio

Figure  
**12.2**

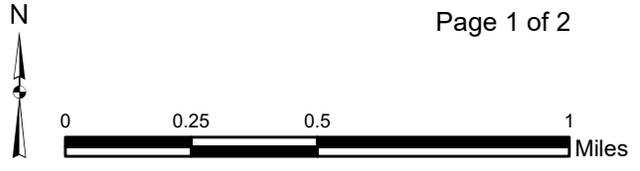


**Legend**

- Project Site Boundary
- Distribution Lines
- Structures Within 250 feet
- Structures Within 1,500 feet
- Structures Within 1 mile
- 250-foot Buffer
- 1,500-foot Buffer
- 1-mile Buffer

**Land Use By Parcel**

- Agricultural
- Institutional
- Residential
- Undefined



|              |           |
|--------------|-----------|
| Project No.  | N1207163  |
| Drawn By:    | MDP       |
| Approved By: | SEW       |
| Date:        | 8/26/2020 |

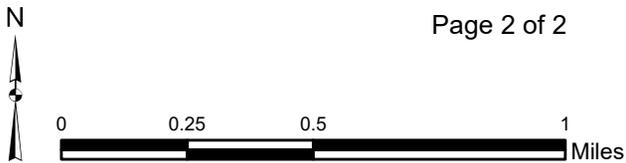
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**Map of Land Uses**

Ohio Power Siting Board Application Figures  
Hecate Energy Highland 2, LLC  
New Market Solar II  
OH 138  
Buford, Highland County, Ohio

Figure  
**12.1**



|              |           |
|--------------|-----------|
| Project No.  | N1207163  |
| Drawn By:    | MDP       |
| Approved By: | SEW       |
| Date:        | 8/26/2020 |

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**Map of Land Uses**  
 Ohio Power Siting Board Application Figures  
 Hecate Energy Highland 2, LLC  
 New Market Solar II  
 OH 138  
 Buford, Highland County, Ohio

**Figure**  
 12.2

Ohio Power Siting Board Application  
New Market Solar Farm  
Hecate Energy Highland 4 LLC and  
Hecate Energy Highland 2, LLC

**Figure 13: Table of Land Uses**

(a) Provide an evaluation of the impact of the proposed facility on the above land uses identified on the map in paragraph (C)(1)(a) of this rule. Include, for each land use type, the construction impact area and the permanent impact area in acres, in total and for each project component (e.g., turbines, collection lines, access roads), and the explanation of how such estimate was calculated.

**Figure 13. Table of Land Use Acreages Impacted by New Marker Solar Farm I**

| <b>Current Land Use</b> | <b>Future Land Use</b>                     | <b>Acres (Approximately)</b> | <b>Impacts</b>                      |
|-------------------------|--|------------------------------|-------------------------------------|
| Agricultural            | Solar Array and Associated Equipment       | 516                          | Temporary and Operational Impacts   |
| Agricultural            | Project Access Roads (Paved and Unpaved)   | 51                           | Temporary and Operational Impacts   |
| Agricultural            | Construction Trailer and Equipment Laydown | 12                           | Temporary Impacts                   |
| Agricultural            | Area undeveloped (No Construction)         | 220                          | No Temporary or Operational Impacts |
| Wetlands/Water Body     | Wetlands/Water Body (Undeveloped)          | 20                           | No Temporary or Operational Impacts |
| Forest                  | Solar Array and Associated Equipment       | 3                            | Temporary and Operational Impacts   |

(a) Provide an evaluation of the impact of the proposed facility on the above land uses identified on the map in paragraph (C)(1)(a) of this rule. Include, for each land use type, the construction impact area and the permanent impact area in acres, in total and for each project component (e.g., turbines, collection lines, access roads), and the explanation of how such estimate was calculated.

**Figure 13. Table of Land Use Acreages Impacted by New Marker Solar Farm II**

| <b>Current Land Use</b> | <b>Future Land Use</b>                     | <b>Acres (Approximately)</b> | <b>Impacts</b>                      |
|-------------------------|--|------------------------------|-------------------------------------|
| Agricultural            | Solar Array and Associated Equipment       | 194                          | Temporary and Operational Impacts   |
| Agricultural            | Project Access Roads (Paved and Unpaved)   | 22                           | Temporary and Operational Impacts   |
| Agricultural            | Construction Trailer and Equipment Laydown | 4                            | Temporary Impacts                   |
| Agricultural            | Area undeveloped (No Construction)         | 70                           | No Temporary or Operational Impacts |
| Wetlands/Water Body     | Wetlands/Water Body (Undeveloped)          | 17.93                        | No Temporary or Operational Impacts |

Ohio Power Siting Board Application  
New Market Solar Farm  
Hecate Energy Highland 4 LLC and  
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**Figure 14: Table of Structures**

*Structures within one thousand five hundred feet of the generation equipment or wind turbine, the distance between the structure and the equipment or nearest wind turbine.*

**Figure 14: Table of Structures within 1,500 feet of New Market Solar Farm I**

| <b>Structure Type</b>                                      | <b>Approximate Distance From Equipment (feet)</b> | <b>Location (Latitude/Longitude)</b>  |
|--|---|---------------------------------------|
| Single Family, Residential with Associated Out Buildings   | 21  | 39° 04' 51.14" N,<br>83° 46' 31.68" W |
| Single Family, Residential with Associated Out Buildings   | 24  | 39° 04' 51.11" N,<br>83° 46' 31.70" W |
| Single Family, Residential with Associated Out Buildings   | 30  | 39° 04' 09.01" N,<br>83° 46' 19.72" W |
| Single Family, Residential with Associated Out Buildings   | 32  | 39° 04' 08.98" N,<br>83° 46' 19.74" W |
| Multiple Family, Residential with Associated Out Buildings | 48  | 39° 05' 14.06" N,<br>83° 46' 33.97" W |
| Agricultural   | 49  | 39° 04' 36.43" N,<br>83° 45' 47.09" W |
| Multiple Family, Residential with Associated Out Buildings | 50  | 39° 06' 42.15" N,<br>83° 46' 33.98" W |
| Agricultural   | 51  | 39° 04' 36.46" N,<br>83° 45' 47.10" W |
| Single Family, Residential with Associated Out Buildings   | 56  | 39° 05' 13.25" N,<br>83° 46' 49.33" W |
| Agricultural   | 63  | 39° 06' 22.61" N,<br>83° 45' 41.38" W |
| Agricultural   | 66  | 39° 06' 19.10" N,<br>83° 45' 41.40" W |
| Single Family, Residential with Associated Out Buildings   | 86  | 39° 04' 50.79" N,<br>83° 46' 42.82" W |
| Single Family, Residential with Associated Out Buildings   | 88  | 39° 04' 50.76" N,<br>83° 46' 42.83" W |
| Single Family, Residential with Associated Out Buildings   | 102   | 39° 05' 03.86" N,<br>83° 47' 02.52" W |
| Single Family, Residential with Associated Out Buildings   | 149   | 39° 05' 32.73" N,<br>83° 46' 44.97" W |
| Single Family, Residential with Associated Out Buildings   | 151   | 39° 05' 32.70" N,<br>83° 46' 44.98" W |
| Single Family, Residential with Associated Out Buildings   | 167   | 39° 05' 34.26" N,<br>83° 46' 21.27" W |

|  |      |                                       |
|--|------|---------------------------------------|
| Single Family, Residential with Associated Out Buildings   | 169  | 39° 05' 34.23" N,<br>83° 46' 21.29" W |
| Agricultural   | 205  | 39° 05' 13.22" N,<br>83° 46' 32.25" W |
| Agricultural   | 260  | 39° 05' 07.84" N,<br>83° 46' 08.46" W |
| Agricultural   | 262  | 39° 05' 06.80" N,<br>83° 46' 08.47" W |
| Multiple Family, Residential with Associated Out Buildings | 268  | 39° 04' 51.82" N,<br>83° 45' 48.55" W |
| Single Family, Residential with Associated Out Buildings   | 301  | 39° 06' 13.36" N,<br>83° 47' 13.10" W |
| Multiple Family, Residential with Associated Out Buildings | 391  | 39° 05' 17.79" N,<br>83° 46' 47.06" W |
| Multiple Family, Residential with Associated Out Buildings | 393  | 39° 05' 17.82" N,<br>83° 46' 47.07" W |
| Agricultural   | 500  | 39° 05' 03.83" N,<br>83° 47' 03.35" W |
| Agricultural   | 521  | 39° 05' 07.96" N,<br>83° 47' 05.64" W |
| Agricultural   | 524  | 39° 05' 07.99" N,<br>83° 47' 05.62" W |
| Single Family, Residential with Associated Out Buildings   | 538  | 39° 06' 02.96" N,<br>83° 47' 35.43" W |
| Single Family, Residential with Associated Out Buildings   | 584  | 39° 06' 32.38" N,<br>83° 46' 47.87" W |
| Single Family, Residential with Associated Out Buildings   | 586  | 39° 04' 12.55" N,<br>83° 46' 47.88" W |
| Single Family, Residential with Associated Out Buildings   | 709  | 39° 05' 10.00" N,<br>83° 45' 50.69" W |
| Single Family, Residential with Associated Out Buildings   | 882  | 39° 05' 59.07" N,<br>83° 46' 13.64" W |
| Single Family, Residential with Associated Out Buildings   | 884  | 39° 05' 07.82" N,<br>83° 46' 13.62" W |
| Agricultural   | 913  | 39° 05' 08.85" N,<br>83° 47' 19.27" W |
| Single Family, Residential with Associated Out Buildings   | 921  | 39° 04' 55.50" N,<br>83° 47' 23.59" W |
| Single Family, Residential with Associated Out Buildings   | 1027 | 39° 04' 12.52" N,<br>83° 46' 53.57" W |

|  |      |                                       |
|--|------|---------------------------------------|
| Single Family, Residential with Associated Out Buildings | 1029 | 39° 05' 42.92" N,<br>83° 46' 53.59" W |
| Agricultural   | 1078 | 39° 05' 10.03" N,<br>83° 46' 00.82" W |
| Single Family, Residential with Associated Out Buildings | 1160 | 39° 05' 10.02" N,<br>83° 45' 23.10" W |
| Single Family, Residential with Associated Out Buildings | 1161 | 39° 05' 10.05" N,<br>83° 45' 23.08" W |
| Agricultural   | 1178 | 39° 04' 54.54" N,<br>83° 46' 39.57" W |
| Agricultural   | 1184 | 39° 04' 54.57" N,<br>83° 46' 38.53" W |
| Agricultural   | 1200 | 39° 05' 06.82" N,<br>83° 46' 07.72" W |
| Agricultural   | 1203 | 39° 06' 19.96" N,<br>83° 46' 07.70" W |
| Single Family, Residential with Associated Out Buildings | 1312 | 39° 06' 12.32" N,<br>83° 45' 23.10" W |
| Single Family, Residential with Associated Out Buildings | 1314 | 39° 05' 45.21" N,<br>83° 45' 23.08" W |
| Agricultural   | 1320 | 39° 05' 08.82" N,<br>83° 46' 39.57" W |
| Agricultural   | 1321 | 39° 04' 55.47" N,<br>83° 46' 38.53" W |
| Mobile Home  | 1400 | 39° 05' 47.58" N,<br>83° 46' 07.72" W |
| Other Residential  | 1403 | 39° 05' 14.04" N,<br>83° 46' 07.70" W |
| Single Family, Residential with Associated Out Buildings | 1450 | 39° 05' 45.19" N,<br>83° 45' 23.10" W |
| Single Family, Residential with Associated Out Buildings | 1452 | 39° 06' 13.81" N,<br>83° 45' 23.08" W |
| Agricultural   | 1494 | 39° 05' 02.69" N,<br>83° 46' 39.57" W |
| Agricultural   | 1496 | 39° 05' 02.72" N,<br>83° 46' 38.53" W |

All structures listed above are outside of the Project Area. All structures within the Project Area will be purchased by the applicant and are not applicable to the requirements associated with the distance requirements of 250 or 1,500 feet.

*Structures within one thousand five hundred feet of the generation equipment or wind turbine, the distance between the structure and the equipment or nearest wind turbine.*

**Figure 14: Table of Structures within 1,500 feet of New Market Solar Farm II**

| <b>Structure Type</b>                                      | <b>Approximate Distance From Equipment (feet)</b> | <b>Location (Latitude/Longitude)</b> |
|--|---|--------------------------------------|
| Single Family, Residential with Associated Out Buildings   | 43  | 39° 4' 50.763",<br>-83° 45' 21.343"  |
| Agricultural Structure                                     | 46  | 39° 4' 55.480",<br>-83° 45' 47.092"  |
| Agricultural Structure                                     | 58  | 39° 4' 54.547",<br>-83° 45' 41.390"  |
| Single Family, Residential with Associated Out Buildings   | 80  | 39° 4' 50.440",<br>-83° 45' 17.467"  |
| Single Family, Residential with Associated Out Buildings   | 89  | 39° 4' 47.467",<br>-83° 45' 0.504"   |
| Multiple Family, Residential with Associated Out Buildings | 109   | 39° 4' 48.248",<br>-83° 45' 3.715"   |
| Single Family, Residential with Associated Out Buildings   | 111   | 39° 4' 51.117",<br>-83° 45' 19.488"  |
| Single Family, Residential with Associated Out Buildings   | 114   | 39° 4' 51.795",<br>-83° 45' 23.089"  |
| Multiple Family, Residential with Associated Out Buildings | 127   | 39° 4' 48.987",<br>-83° 45' 6.797"   |
| Mobile Home  | 127   | 39° 4' 50.510",<br>-83° 45' 15.223"  |
| Agricultural Structure                                     | 257   | 39° 4' 36.438",<br>-83° 46' 8.464"   |
| Agricultural Structure                                     | 305   | 39° 4' 48.654",<br>-83° 44' 53.122"  |
| Multiple Family, Residential with Associated Out Buildings | 918   | 39° 4' 44.771",<br>-83° 44' 42.152"  |
| Single Family, Residential with Associated Out Buildings   | 960   | 39° 4' 54.873",<br>-83° 44' 50.764"  |

All structures listed above are outside of the Project Area. All structures within the Project Area will be purchased by the applicant and are not applicable to the requirements associated with the distance requirements of 250 or 1,500 feet.

**This foregoing document was electronically filed with the Public Utilities**

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**Case No(s). 20-1288-EL-BGN**

Summary: Exhibit Application Figures (Part 6) electronically filed by Ms. Karen A. Winters on behalf of Hecate Energy Highland 4 LLC