NYSDOT SOLAR INITIATIVE
BUNDLE AND LOAD ZONE OVERVIEW

LEGEND
NYISO LOAD ZONES
A - WEST
B - GENESEE
C - CENTRAL
D - NORTH
E - MOHAWK VALLEY
F - CAPITAL
G - HUDSON VALLEY
H - MILLWOOD
I - DUNWOODIE
J - NYC
K - LONG ISLAND

NYSDOT BUNDLES
- BUNDLE 1
- BUNDLE 2
- BUNDLE 3
- BUNDLE 4
# Solar Highway Initiative - Site Selection - Load Zone and Bundle Requirements 3-29-16

<table>
<thead>
<tr>
<th>Bundle</th>
<th>LOAD ZONE</th>
<th>USAGE: Total kWh for each Zone and Bundle</th>
<th>ZONE requirement as % of total bundle usage</th>
<th>Required annual kWh production for each Zone and Bundle</th>
<th>Approx. acres of panels to MEET kWh requirements (Total kWh divided by)*:</th>
<th>Approx. acres available for development</th>
<th>Number of sites available in each load zone and bundle</th>
<th>DC capacity (kW); kWh requirement divided by**:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A West</td>
<td>4,709,944</td>
<td>37.5%</td>
<td>1,500,000</td>
<td>2.34</td>
<td>34.50</td>
<td>3</td>
<td>1,198</td>
</tr>
<tr>
<td></td>
<td>B Genesee</td>
<td>5,210,530</td>
<td>25.0%</td>
<td>1,000,000</td>
<td>1.56</td>
<td>16.80</td>
<td>4</td>
<td>799</td>
</tr>
<tr>
<td></td>
<td>C Central</td>
<td>6,240,043</td>
<td>37.5%</td>
<td>1,500,000</td>
<td>2.34</td>
<td>36.10</td>
<td>4</td>
<td>1,198</td>
</tr>
<tr>
<td></td>
<td><strong>bundle 1 subtotal</strong></td>
<td><strong>16,160,517</strong></td>
<td><strong>25%</strong></td>
<td><strong>4,000,000</strong></td>
<td><strong>6.25</strong></td>
<td><strong>87.40</strong></td>
<td><strong>11</strong></td>
<td><strong>3,195</strong></td>
</tr>
<tr>
<td>2</td>
<td>E Mohawk Valley</td>
<td>5,180,822</td>
<td>40.0%</td>
<td>1,600,000</td>
<td>2.50</td>
<td>15.30</td>
<td>3</td>
<td>1,278</td>
</tr>
<tr>
<td></td>
<td>F Capital</td>
<td>6,836,104</td>
<td>60.0%</td>
<td>2,400,000</td>
<td>3.75</td>
<td>21.50</td>
<td>5</td>
<td>1,917</td>
</tr>
<tr>
<td></td>
<td><strong>bundle 2 subtotal</strong></td>
<td><strong>12,016,926</strong></td>
<td><strong>33%</strong></td>
<td><strong>4,000,000</strong></td>
<td><strong>6.25</strong></td>
<td><strong>36.80</strong></td>
<td><strong>8</strong></td>
<td><strong>3,195</strong></td>
</tr>
<tr>
<td>3</td>
<td>G Hudson Valley</td>
<td>6,108,478</td>
<td>40.0%</td>
<td>2,000,000</td>
<td>3.13</td>
<td>14.80</td>
<td>5</td>
<td>1,597</td>
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<tr>
<td></td>
<td>H Milwood</td>
<td>1,820,179</td>
<td>20.0%</td>
<td>1,000,000</td>
<td>1.56</td>
<td>2.50</td>
<td>1</td>
<td>799</td>
</tr>
<tr>
<td></td>
<td>I Dunwoodie</td>
<td>6,073,372</td>
<td>40.0%</td>
<td>2,000,000</td>
<td>3.13</td>
<td>8.04</td>
<td>2</td>
<td>1,597</td>
</tr>
<tr>
<td></td>
<td><strong>bundle 3 subtotal</strong></td>
<td><strong>14,002,029</strong></td>
<td><strong>36%</strong></td>
<td><strong>5,000,000</strong></td>
<td><strong>7.81</strong></td>
<td><strong>25.34</strong></td>
<td><strong>8</strong></td>
<td><strong>3,994</strong></td>
</tr>
<tr>
<td>4</td>
<td>J New York City</td>
<td>1,482,809</td>
<td>12.0%</td>
<td>840,000</td>
<td>1.31</td>
<td>20.00</td>
<td>2</td>
<td>671</td>
</tr>
<tr>
<td></td>
<td>K Long Island</td>
<td>19,958,384</td>
<td>88.0%</td>
<td>6,160,000</td>
<td>9.63</td>
<td>20.50</td>
<td>13</td>
<td>4,920</td>
</tr>
<tr>
<td></td>
<td><strong>bundle 4 subtotal</strong></td>
<td><strong>21,441,193</strong></td>
<td><strong>33%</strong></td>
<td><strong>7,000,000</strong></td>
<td><strong>10.94</strong></td>
<td><strong>40.50</strong></td>
<td><strong>15</strong></td>
<td><strong>5,591</strong></td>
</tr>
<tr>
<td>TOTAL ALL ZONES (DOT)</td>
<td>63,620,665</td>
<td>31%</td>
<td>20,000,000</td>
<td>31.25</td>
<td>190.04</td>
<td>42</td>
<td>15,974</td>
<td></td>
</tr>
</tbody>
</table>

* Conversion factor from NYSERDA - 1 Acre can generate 640,000 kWh annually

** Conversion factor from NYSERDA - 1kW of solar PV DC capacity yields approximately 1,252 AC kWh per year
<table>
<thead>
<tr>
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<th>DESCRIPTION</th>
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<th>Number of sites available in each load zone and bundle</th>
<th>DC capacity (kW); kWh requirement divided by**:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>West</td>
<td>2,954,378</td>
<td>50.0%</td>
<td>834,662</td>
<td>1.30</td>
<td>9.50</td>
<td>1</td>
<td>667</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Genesee</td>
<td>541,113</td>
<td>10.0%</td>
<td>166,932</td>
<td>0.26</td>
<td>2.70</td>
<td>1</td>
<td>133</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Central</td>
<td>2,068,919</td>
<td>40.0%</td>
<td>667,729</td>
<td>1.04</td>
<td>6.40</td>
<td>1</td>
<td>533</td>
<td></td>
</tr>
<tr>
<td><strong>Bundle 5 subtotal</strong></td>
<td><strong>5,564,410</strong></td>
<td><strong>30%</strong></td>
<td><strong>100.0%</strong></td>
<td><strong>1,669,323</strong></td>
<td><strong>2.61</strong></td>
<td><strong>18.60</strong></td>
<td><strong>3</strong></td>
<td><strong>1,333</strong></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Mohawk Valley</td>
<td>847,127</td>
<td>50.0%</td>
<td>329,930</td>
<td>0.52</td>
<td>8.60</td>
<td>2</td>
<td>264</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Capital</td>
<td>1,352,408</td>
<td>50.0%</td>
<td>329,930</td>
<td>0.52</td>
<td>8.00</td>
<td>2</td>
<td>264</td>
<td></td>
</tr>
<tr>
<td><strong>Bundle 6 subtotal</strong></td>
<td><strong>2,199,535</strong></td>
<td><strong>30%</strong></td>
<td><strong>100.0%</strong></td>
<td><strong>659,860</strong></td>
<td><strong>1.03</strong></td>
<td><strong>16.60</strong></td>
<td><strong>4</strong></td>
<td><strong>527</strong></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Hudson Valley</td>
<td>3,493,222</td>
<td>100.0%</td>
<td>1,047,966</td>
<td>1.64</td>
<td>5.70</td>
<td>1</td>
<td>837</td>
<td></td>
</tr>
<tr>
<td><strong>Bundle 7 subtotal</strong></td>
<td><strong>3,493,222</strong></td>
<td><strong>30%</strong></td>
<td><strong>100.0%</strong></td>
<td><strong>1,047,966</strong></td>
<td><strong>1.64</strong></td>
<td><strong>5.70</strong></td>
<td><strong>1</strong></td>
<td><strong>837</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL ALL ZONES (TA)</strong></td>
<td><strong>11,257,167</strong></td>
<td><strong>30%</strong></td>
<td><strong>3,377,149</strong></td>
<td><strong>5.28</strong></td>
<td><strong>40.90</strong></td>
<td><strong>8</strong></td>
<td><strong>2,697</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Conversion factor from NYSERDA - 1 Acre can generate 640,000 kWh annually

** Conversion factor from NYSERDA - 1kW of solar PV DC capacity yields approximately 1,252 AC kWh per year
Baseline Solar Site Characteristics:

- **Lot Size**: Approximately two acres; **Grade**: Relatively level, generally 0 – 15%.
- **Shape**: Sites vary; may be regular (square, rectangle, linear, etc.) or irregular.
- **Site prep**: Requires suitable finish grade for proper panel installation.
- **Vegetation**: Mostly grass; generally free of trees greater than 6” diameter at breast height (dbh) but will require clearing & grubbing of up to ½ acre of brush and scattered small trees (6” dbh or less); Dispose of all trees, brush & debris in accordance with NYSDOT Standard Specifications § 201-Clearing & Grubbing (p. 183) and as approved by NYSDOT/NYSTA; Re-establish vegetation (grass, etc.) on disturbed areas not occupied by solar panels or access roads.
- **Soils**: Well drained soil with no contaminants.
- **Rock**: Soils may contain some loose rock but bedrock will likely not be close to the soil surface.
- **Power Connection**: Three phase power connection within 500 feet; underground utility connection required.
- **Access**: Provide a crushed aggregate (equivalent to NYSDOT Standard Specifications §703-02 (p. 937), Size designation 2) access roadway, approximately 10’ wide, 4-6’ deep and up to 500 feet long.
- **Security**: No fencing, or security cameras.
- **Setback**: ROW: 50 feet from travel way; adjacent property lines: 30 feet.
- **Panel Coverage**: Panels will cover approximately 80% of the site.
<table>
<thead>
<tr>
<th>SITE #</th>
<th>Route #</th>
<th>Description</th>
<th>NYISO Load Zone Name</th>
<th>Estimated Areas (acres)</th>
<th>Avg. Annual Daily Traffic</th>
<th>County</th>
<th>To Meet Power Requirement</th>
<th>Town/ City/ Village</th>
<th>Geographic Coordinates</th>
<th>General Shape</th>
<th>Approx. Distance to 3-Phase (feet)</th>
<th>Current Use and Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>4J1</td>
<td>NY 440</td>
<td>Richmond - NY440</td>
<td>NYC</td>
<td>4, 5 &amp; 6 (15 tot)</td>
<td>75,000</td>
<td>Richmond</td>
<td>New York City</td>
<td>40° 31' 41.03&quot;</td>
<td>-74° 13' 24.92&quot;</td>
<td>irregular</td>
<td>5-15</td>
<td>TBD</td>
</tr>
<tr>
<td>4J2</td>
<td>NY 909C</td>
<td>Richmond - NY909C</td>
<td>NYC</td>
<td>5</td>
<td>75,000</td>
<td>Richmond</td>
<td>New York City</td>
<td>40° 33' 40.24&quot;</td>
<td>-74°10'17.62&quot;</td>
<td>irregular</td>
<td>5-30</td>
<td>TBD</td>
</tr>
<tr>
<td>4K1</td>
<td>CR 31</td>
<td>Off NY 27 @ Exit 63-DOT Truck</td>
<td>Long Island</td>
<td>1.5</td>
<td>7900 on 31; 52,306 on 27</td>
<td>Suffolk</td>
<td>Southampton</td>
<td>TBD</td>
<td>TBD</td>
<td>rectang.</td>
<td>0-5</td>
<td>TBD</td>
</tr>
<tr>
<td>4K2</td>
<td>off NY 27 EB @ DOT Shirley</td>
<td>Long Island</td>
<td>3</td>
<td>44,400</td>
<td>Suffolk</td>
<td>Brookhaven</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>rectang.</td>
<td>0-5</td>
<td>TBD</td>
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<tr>
<td>4K3</td>
<td>NY 27</td>
<td>NY 27 btwn Robinson &amp; Hospital Road</td>
<td>Long Island</td>
<td>0.8</td>
<td>63,760</td>
<td>Suffolk</td>
<td>Brookhaven East Patchogue</td>
<td>40° 46' 58.80&quot;</td>
<td>-72° 58' 51.60&quot;</td>
<td>irregular</td>
<td>0-5</td>
<td>TBD</td>
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<tr>
<td>4K4</td>
<td>NY 27</td>
<td>NY27 @Gazzolla Drive</td>
<td>Long Island</td>
<td>0.8</td>
<td>83,091</td>
<td>Suffolk</td>
<td>Brookhaven East Patchogue</td>
<td>40° 47' 04.20&quot;</td>
<td>-72° 58' 22.80&quot;</td>
<td>rectang.</td>
<td>0-5</td>
<td>TBD</td>
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<tr>
<td>4K5</td>
<td>NY 27</td>
<td>NY27 east of Horseblock Road</td>
<td>Long Island</td>
<td>0.6</td>
<td>64,370</td>
<td>Suffolk</td>
<td>Brookhaven East Patchogue</td>
<td>40° 47' 60.00&quot;</td>
<td>-72° 54' 05.40&quot;</td>
<td>rectang.</td>
<td>0-5</td>
<td>TBD</td>
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<td>4K6</td>
<td>NY 27</td>
<td>NY27 east of Timas Drive Overpass</td>
<td>Long Island</td>
<td>0.8</td>
<td>44,362</td>
<td>Suffolk</td>
<td>Brookhaven Mastic</td>
<td>40° 48' 49.68&quot;</td>
<td>-72° 51' 00.36&quot;</td>
<td>rectang.</td>
<td>0-5</td>
<td>TBD</td>
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<tr>
<td>4K7</td>
<td>NY 27</td>
<td>NY27 west of Moriches Middle Island</td>
<td>Long Island</td>
<td>0.8</td>
<td>44,362</td>
<td>Suffolk</td>
<td>Brookhaven Manorville</td>
<td>40° 49' 19.56&quot;</td>
<td>-72° 49' 22.80&quot;</td>
<td>narrow</td>
<td>0-5</td>
<td>TBD</td>
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</tbody>
</table>
### BUNDLE 4 (DOT)  
**SPECIFIC SITE SUMMARY**

<table>
<thead>
<tr>
<th>SITE #</th>
<th>Route #</th>
<th>Description</th>
<th>NYISO Load Zone Name</th>
<th>Estimated Areas (acres)</th>
<th>NYISO Load Available</th>
<th>To Meet Power Requirement</th>
<th>Avg. Annual Daily Traffic</th>
<th>County</th>
<th>Town/ City/ Village</th>
<th>Geographic Coordinates</th>
<th>General Shape</th>
<th>General Slope (%)</th>
<th>Approx. Distance to 3-Phase (feet)</th>
<th>Current Use and Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>4K8</td>
<td>NY 27</td>
<td>NY27 east of Railroad Avenue</td>
<td>Long Island</td>
<td>0.7</td>
<td>31,775</td>
<td>Suffolk</td>
<td>40° 49' 27.30&quot; -72° 47' 20.04&quot;&quot; narrow</td>
<td>0-5</td>
<td>TBD</td>
<td>Highway, roadside</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4K9</td>
<td>NY 27</td>
<td>NY27 west of Eastport Manor Road</td>
<td>Long Island</td>
<td>2.8</td>
<td>19,030</td>
<td>Suffolk</td>
<td>40° 50' 06.00&quot; -72° 44' 33.72&quot;&quot; irregular</td>
<td>0-5</td>
<td>TBD</td>
<td>Highway, roadside</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4K10</td>
<td>I-495</td>
<td>I-495 @Ex.73 (NB ramp to EB CR58)</td>
<td>Long Island</td>
<td>4.7</td>
<td>33,390</td>
<td>Suffolk</td>
<td>40° 55' 18.84&quot; -72° 43' 09.84&quot;&quot; irregular</td>
<td>0-5</td>
<td>TBD</td>
<td>Highway, roadside</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4K11</td>
<td>I-495</td>
<td>I-495 east of Yaphank Avenue</td>
<td>Long Island</td>
<td>0.6</td>
<td>83,400</td>
<td>Suffolk</td>
<td>40° 49' 59.52&quot; -72° 54' 56.52&quot;&quot; rectang.</td>
<td>0-5</td>
<td>TBD</td>
<td>Highway, roadside</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4K12</td>
<td>I-495</td>
<td>I-495 west of NY112</td>
<td>Long Island</td>
<td>1.7</td>
<td>74,900</td>
<td>Suffolk</td>
<td>40° 49' 23.88&quot; -72° 59' 54.24&quot;&quot; irregular</td>
<td>0-5</td>
<td>TBD</td>
<td>Highway, roadside</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4K13</td>
<td>I-495</td>
<td>I-495 west of Half Hollow Road</td>
<td>Long Island</td>
<td>1.1</td>
<td>170,300</td>
<td>Suffolk</td>
<td>40° 47' 03.12&quot; -73° 23' 48.84&quot;&quot; irregular</td>
<td>0-5</td>
<td>TBD</td>
<td>Highway, roadside</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4K1 - Off NY 27 @ Exit 63-DOT Truck Inspection Yard – Southampton
4K2 - off NY27 EB @ DOT Shirley maintenance yard – Brookhaven
4K3 - NY 27 btwn Robinson & Hospital Road – Brookhaven
4K4 - NY27 @Gazzolla Drive – Brookhaven
4K5 - NY27 east of Horseblock Road – Brookhaven
4K6 - NY27 east of Timas Drive Overpass –
Towns of Brookhaven and Mastic
4K7 - NY27 west of Moriches Middle Island Rd Underpass – Towns of Brookhaven and Manorville
4K8 - NY27 east of Railroad Avenue – Towns of Brookhaven and Manorville
4K9 - NY27 west of Eastport Manor Road –
Towns of Brookhaven and East Patchogue
4K10 - I-495 @Ex.73 (NB ramp to EB CR58) –
Towns of Riverhead and Calverton
4K11 - I-495 east of Yaphank Avenue – Towns of Brookhaven and Yaphank
4K12 - I-495 west of NY112 – Towns of Brookhaven and Holtsville
4K13 - I-495 west of Half Hollow Road – Towns of Huntington and Melville
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

- equal to or greater than 2 acres (available for solar arrays/infrastructure, e.g. beyond the clear zone),
- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distracting to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

### Potential Solar Site Information

| Region: 11 | Route Number: 440 | Mile Marker: X6M12 AADT: 75000 |
| County: Richmond | Town/City/Village: NYC |
| Geographic coordinates (lat/long at parcel center point): 74°13'24.923"W 40°31'41.038"N |
| Area within site available for solar infrastructure (in acres): | Square or rectangular | Discontinuous or irregular |
| General shape: | 4 -5 -and 6 |
| What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: | Naturally vegetated forested interchange |
| Surrounding area character and predominant land use, check one: | Urban | Suburban | Rural | Backcountry |
| Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: | Yes | No |
| If yes, describe: Partially adjacent to Richmond Parkway. |
| What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: | No planned changes |
Preliminary Solar Site Screening Worksheet

Nov 18, 2015

Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☑Yes □No
If yes, describe: Access could be made from connecting ramps.

Are there any unique geometric or design considerations, check one: □Yes ☑No
If yes, describe:

Topography:
Check one: □level (0-5%) ☑gentle (5%-15%) □moderate (15%-30%) □steep (>30%)
If other than level, what is the predominant slope aspect? □north ☑south □east □west

Area electric utility company name: Con Ed

Distance to nearest 3-phase power connection: feet.
Distance to nearest power substation: miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: Sandy Ground Historic Archeological District

Additional site notes or comments (optional): There are additional smaller segments within this interchange as well - see aerial.

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

- equal to or greater than 2 acres (available for solar arrays/infrastructure, e.g. beyond the clear zone),
- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distractive to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

**Potential Solar Site Information**

Region: 11  Route Number: 909C  Mile Marker: 909CX6M11  AADT: 75000

County: Richmond  Town/City/Village: NYC

Geographic coordinates (lat/long at parcel center point): 74°10'17.618"W  40°33'40.237"N

Area within site available for solar infrastructure (in acres): 5 acres
General shape: ☐square or rectangular ☒discontinuous or irregular ☐narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Abandoned portion of Richmond Parkway--forested embankment, brush.

Surrounding area character and predominant land use, check one:
☐Urban ☒Suburban ☐Rural ☐Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: ☒Yes  ☐No
If yes, describe: Partially adjacent to Richmond Parkway.

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: No planned changes.
Preliminary Solar Site Screening Worksheet

Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☑Yes ☐No
If yes, describe: Easy access from adjacent Park and Ride Lot.

Are there any unique geometric or design considerations, check one: ☐Yes ☑No
If yes, describe:

Topography:
Check one: ☐level (0-5%) ☑gentle (5%-15%) ☐moderate (15%-30%) ☐steep (>30%)
If other than level, what is the predominant slope aspect? ☐north ☑south ☐east ☐west

Area electric utility company name: Con Ed

Distance to nearest 3-phase power connection: feet.

Distance to nearest power substation: miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: Sandy Ground Historic Archeological District

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

- equal to or greater than 2 acres (available for solar arrays/infrastructure, e.g. beyond the clear zone),
- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distracting to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

**Potential Solar Site Information**

Region: 10 Route Number: CR 31 off NY27 exit 63  Mile Marker: MM 27-0705-1433  AADT: 7900 on CR31 - 52,306 on NY27

County: Suffolk  Town/City/Village: Southampton

Geographic coordinates (lat/long at parcel center point): TBD

Area within site available for solar infrastructure (in acres): 1.5 - 2 Acres
General shape: □square or rectangular □discontinuous or irregular □narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe:DOT facility, Truck inspection yard.

Surrounding area character and predominant land use, check one:
□Urban □Suburban □Rural □Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: □Yes  □No
If yes, describe:

**4K1 - Off NY 27 @ Exit 63-DOT Truck Inspection Yard – Southampton**
What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☒Yes ☐No
If yes, describe: Direct access from Highway.

Are there any unique geometric or design considerations, check one: ☐Yes ☒No
If yes, describe:

Topography:
Check one: ☒level (0-5%) ☐gentle (5%-15%) ☐moderate (15%-30%) ☐steep (>30%)
If other than level, what is the predominant slope aspect? ☐north ☐south ☐east ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

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- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distracting to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

Potential Solar Site Information

Region: 10       Route Number: Off NY27 EB at the Shirley maintenance sub yard       Mile Marker: MM 27-0705-1312 to 1316       AADT: 44,400

County: Suffolk       Town/City/Village: Brookhaven

Geographic coordinates (lat/long at parcel center point): TBD

Area within site available for solar infrastructure (in acres): 2 Acres plus
General shape: ☐square or rectangular ☐discontinuous or irregular ☐narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: DOT facility, Shirley subyard.

Surrounding area character and predominant land use, check one: ☐Urban ☒Suburban ☐Rural ☐Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: ☐Yes ☒No
If yes, describe:

4K2 - off NY27 EB @ DOT Shirley maintenance yard – Brookhaven
What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☒ Yes ☐ No
If yes, describe: Direct access from Highway.

Are there any unique geometric or design considerations, check one: ☐ Yes ☒ No
If yes, describe:

Topography:
Check one: ☒ level (0-5%) ☐ gentle (5%-15%) ☐ moderate (15%-30%) ☐ steep (>30%)
If other than level, what is the predominant slope aspect? ☐ north ☐ south ☐ east ☐ west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

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- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

### Potential Solar Site Information

Region: 10    Route Number: 27    Mile Marker: 27 0705 1248    AADT: 63760

County: Suffolk    Town/City/Village: Brookhaven/East Patchogue

Geographic coordinates (lat/long at parcel center point): -72.981 / 40.783

Area within site available for solar infrastructure (in acres): 0.8 Acre
General shape: □square or rectangular □discontinuous or irregular □narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

Surrounding area character and predominant land use, check one:
□Urban □Suburban □Rural □Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: □Yes □No
If yes, describe:

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

4K3 - NY 27 btwn Robinson & Hospital Road – Brookhaven
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☑ Yes ☐ No
If yes, describe: Direct Access from the Highway.

Are there any unique geometric or design considerations, check one: ☐ Yes ☑ No
If yes, describe:

Topography:
Check one: ☑ level (0-5%) ☐ gentle (5%-15%) ☐ moderate (15%-30%) ☐ steep (>30%)
If other than level, what is the predominant slope aspect? ☐ north ☐ south ☐ east ☐ west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

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- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distractive to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

**Potential Solar Site Information**

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<th>Region: 10</th>
<th>Route Number: 27</th>
<th>Mile Marker: 27 0705 1253</th>
<th>AADT: 83091</th>
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<th>County: Suffolk</th>
<th>Town/City/Village: Brookhaven/East Patchogue</th>
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<tr>
<th>Geographic coordinates (lat/long at parcel center point): -72.973 / 40.7845</th>
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<tr>
<th>Area within site available for solar infrastructure (in acres): 0.8 Acre</th>
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<tr>
<th>General shape:  □square or rectangular  □discontinuous or irregular  □narrow or linear</th>
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</table>

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: DOT facility (Vacant land adjacent to RB)

Surrounding area character and predominant land use, check one:

□Urban  □Suburban  □Rural  □Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one:  □Yes  □No
If yes, describe:

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway?  Check one: ☑Yes  ☐No  
If yes, describe: Access South Service Road of the Highway.

Are there any unique geometric or design considerations, check one: ☐Yes  ☑No  
If yes, describe:

Topography:  
Check one: ☑level (0-5%)  ☐gentle (5%-15%)  ☐moderate (15%-30%)  ☐steep (>30%)  
If other than level, what is the predominant slope aspect? ☐north  ☐south  ☑east  ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?  
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
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- visible but not distracting to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

### Potential Solar Site Information

**Region:** 10  
**Route Number:** 27  
**Mile Marker:** 27 0705 1293  
**AADT:** 64370  
**County:** Suffolk  
**Town/City/Village:** Brookhaven/Yaphank  

Geographic coordinates (lat/long at parcel center point): -72.9015 / 40.80  

Area within site available for solar infrastructure (in acres): 0.6 Acre  
General shape: ☐ square or rectangular ☐ discontinuous or irregular ☐ narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

Surrounding area character and predominant land use, check one:  
☐ Urban ☒ Suburban ☐ Rural ☐ Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: ☐ Yes ☐ No  
If yes, describe:

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

**4K5 - NY27 east of Horseblock Road – Brookhaven**
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☒Yes ☐No
If yes, describe: Direct Access from the Highway.

Are there any unique geometric or design considerations, check one: ☐Yes ☒No
If yes, describe:

Topography:
Check one: ☒level (0-5%) ☐gentle (5%-15%) ☐moderate (15%-30%) ☐steep (>30%)
If other than level, what is the predominant slope aspect? ☐north ☐south ☒east ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
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- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distracting to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

**Potential Solar Site Information**

Region: 10 Route Number: 27 Mile Marker: 27 0705 1321 AADF: 44362

County: Suffolk Town/City/Village: Brookhaven/Mastic

Geographic coordinates (lat/long at parcel center point): -72.8501 / 40.8138

Area within site available for solar infrastructure (in acres): 0.8 Acre

General shape: ☑ square or rectangular ☐ discontinuous or irregular ☐ narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

Surrounding area character and predominant land use, check one:

☐ Urban ☑ Suburban ☐ Rural ☐ Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: ☐ Yes ☑ No

If yes, describe:

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

**4K6 - NY27 east of Timas Drive Overpass – Brookhaven, Mastic**
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☒Yes ☐No
If yes, describe: Direct Access from the Highway.

Are there any unique geometric or design considerations, check one: ☐Yes ☒No
If yes, describe:

Topography:
Check one: ☒level (0-5%) ☐gentle (5%-15%) ☐moderate (15%-30%) ☐steep (>30%)
If other than level, what is the predominant slope aspect? ☐north ☒south ☐east ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

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- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distractive to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

### Potential Solar Site Information

**Region:** 10  
**Route Number:** 27  
**Mile Marker:** 27 0705 1337  
**AADT:** 44362

**County:** Suffolk  
**Town/City/Village:** Brookhaven/Manorville

**Geographic coordinates (lat/long at parcel center point):** -72.8230 / 40.8221

**Area within site available for solar infrastructure (in acres):** 0.8 Acre  
**General shape:** □square or rectangular □discontinuous or irregular □narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

**Surrounding area character and predominant land use, check one:**  
□Urban □Suburban □Rural □Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: □Yes □No  
If yes, describe:

**4K7 - NY27 west of Moriches Middle Island Rd**  
**Underpass – Brookhaven, Manorville**
What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☑Yes  ☐No
If yes, describe: Direct Access from the Highway.

Are there any unique geometric or design considerations, check one: ☐Yes  ☑No
If yes, describe:

Topography:
Check one: ☑level (0-5%)  ☐gentle (5%-15%)  ☐moderate (15%-30%)  ☐steep (>30%)

If other than level, what is the predominant slope aspect? ☐north  ☑south  ☐east  ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
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- visible but not distracting to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

**Potential Solar Site Information**

**Region:** 10  
**Route Number:** 27  
**Mile Marker:** 27 0705 1355  
**AADT:** 31775

**County:** Suffolk  
**Town/City/Village:** Brookhaven/Manorville

**Geographic coordinates (lat/long at parcel center point):** -72.7889 / 40.82425

**Area within site available for solar infrastructure (in acres):** 0.7 Acre  
**General shape:** □ square or rectangular □ discontinuous or irregular □ narrow or linear

**What is the current site use and character?** (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

**Surrounding area character and predominant land use, check one:**  
□ Urban □ Suburban □ Rural □ Backcountry

**Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation?** Check one: □ Yes □ No  
If yes, describe:

**What is the future (next 5-20 years) site plan?** (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

**4K8 - NY27 east of Railroad Avenue – Brookhaven, Manorville**
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☐Yes ☐No
If yes, describe: Direct Access from the Highway.

Are there any unique geometric or design considerations, check one: ☐Yes ☒No
If yes, describe:

Topography:
Check one: ☒level (0-5%) ☐gentle (5%-15%) ☐moderate (15%-30%) ☐steep (>30%)
If other than level, what is the predominant slope aspect? ☐north ☐south ☐east ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):

4K8 - NY27 east of Railroad Avenue – Brookhaven, Manorville
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

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- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distracting to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

### Potential Solar Site Information

<table>
<thead>
<tr>
<th>Region: 10</th>
<th>Route Number: 27</th>
<th>Mile Marker: 27 0705 1380</th>
<th>AADT: 19030</th>
</tr>
</thead>
<tbody>
<tr>
<td>County: Suffolk</td>
<td>Town/City/Village: Brookhaven/Eastport</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Geographic coordinates (lat/long at parcel center point): -72.7427 / 40.8350

Area within site available for solar infrastructure (in acres): 2.8 Acre
General shape: [ ] square or rectangular [x] discontinuous or irregular [ ] narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

Surrounding area character and predominant land use, check one:
[ ] Urban [x] Suburban [ ] Rural [ ] Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: [ ] Yes [x] No
If yes, describe:

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

**4K9 - NY27 west of Eastport Manor Road – Brookhaven, East Patchogue**  Page 1 of 2
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☑Yes ☐No
If yes, describe: Direct Access from the Highway.

Are there any unique geometric or design considerations, check one: ☐Yes ☑No
If yes, describe:

Topography:
Check one: ☑level (0-5%) ☐gentle (5%-15%) ☐moderate (15%-30%) ☐steep (>30%)
If other than level, what is the predominant slope aspect? ☐north ☐south ☑east ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

- equal to or greater than 2 acres (available for solar arrays/infrastructure, e.g. beyond the clear zone),
- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distracting to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

**Potential Solar Site Information**

Region: 10  Route Number: 495  Mile Marker: 495 0703 1402  AADT: 33,390

County: Suffolk  Town/City/Village: Riverhead/Calverton

Geographic coordinates (lat/long at parcel center point): -72.7194 / 40.9219

Area within site available for solar infrastructure (in acres): 4.7 Acre
General shape: ☐square or rectangular ☑discontinuous or irregular ☐narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Exit loop

Surrounding area character and predominant land use, check one:
☐Urban ☑Suburban ☐Rural ☐Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: ☐Yes ☑No
If yes, describe:

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

**4K10 - I-495 @Ex.73 (NB ramp to EB CR58) – Riverhead, Calverton**
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☒ Yes ☐ No
If yes, describe: Access from the highway via exit ramp.

Are there any unique geometric or design considerations, check one: ☐ Yes ☒ No
If yes, describe:

Topography:
Check one: ☒ level (0-5%) ☐ gentle (5%-15%) ☐ moderate (15%-30%) ☐ steep (>30%)
If other than level, what is the predominant slope aspect? ☐ north ☐ south ☐ east ☐ west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

- equal to or greater than 2 acres (available for solar arrays/infrastructure, e.g. beyond the clear zone),
- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distractive to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

**Potential Solar Site Information**

Region: 10  Route Number: 495  Mile Marker: 495 0703 1281  AADT: 83,400

County: Suffolk  Town/City/Village: Brookhaven/Yaphank

Geographic coordinates (lat/long at parcel center point): -72.9157 / 40.8332

Area within site available for solar infrastructure (in acres): 0.6 Acre
General shape: ☑square or rectangular ☑discontinuous or irregular ☐narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

Surrounding area character and predominant land use, check one:
☐Urban ☑Suburban ☐Rural ☐Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: ☐Yes ☑No  
If yes, describe:

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

**4K11 - I-495 east of Yaphank Avenue – Brookhaven, Yaphank**
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☒Yes ☐No
If yes, describe: Access from the highway via North Service Road

Are there any unique geometric or design considerations, check one: ☐Yes ☒No
If yes, describe:

Topography:
Check one: ☒level (0-5%) ☐gentle (5%-15%) ☐moderate (15%-30%) ☐steep (>30%)
If other than level, what is the predominant slope aspect? ☐north ☒south ☐east ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.
Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site? If yes describe: NYSDEC Freshwater Wetland 100' Buffer at east end of site.

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

- equal to or greater than 2 acres (available for solar arrays/infrastructure, e.g. beyond the clear zone),
- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distractive to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

**Potential Solar Site Information**

Region: 10  Route Number: 495  Mile Marker: 495 0703 1237  AADT: 74,900

County: Suffolk  Town/City/Village: Brookhaven/Holstville

Geographic coordinates (lat/long at parcel center point): -72.9984 / 40.8233

Area within site available for solar infrastructure (in acres): 1.7 Acre
General shape: square or rectangular  discontinuous or irregular  narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

Surrounding area character and predominant land use, check one:
- Urban
- Suburban
- Rural
- Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one: Yes  No
If yes, describe:

What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

4K12 - I-495 west of NY112 – Brookhaven, Holtsville
Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☒Yes  ☐No
If yes, describe: Direct Access from the highway

Are there any unique geometric or design considerations, check one: ☐Yes  ☒No
If yes, describe:

Topography:
Check one: ☒level (0-5%)  ☐gentle (5%-15%)  ☐moderate (15%-30%)  ☐steep (>30%)
If other than level, what is the predominant slope aspect? ☐north  ☐south  ☐east  ☐west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site?
If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):
NYSDOT is identifying potential solar facility sites in the state highway right-of-way. These sites are not to adversely affect highway safety, design, construction, maintenance, or the current highway stability. In addition, sites are not to interfere with or impair future highway expansion and also have minimal or no environmental impacts. The intent is to identify sites owned by NYSDOT that are:

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- relatively flat (if sloped, gentle to moderate, with south facing aspect),
- visible but not distractive to highway users,
- not environmentally sensitive,
- not going to require mature tree stand removal,
- in close proximity to minimally a 3-phase power connection,
- not going to negatively impact any scenic, historic or environmentally-significant resource, and
- not going to interfere with or impair future expansion of the transportation facility.

### Potential Solar Site Information

Region: 10  
Route Number: 495  
Mile Marker: 495 0703 1026  
AADT: 170,300

County: Suffolk  
Town/City/Village: Huntington/Melville

Geographic coordinates (lat/long at parcel center point): -73.3969 / 40.7842

Area within site available for solar infrastructure (in acres): 1.1 Acre  
General shape: square or rectangular   discontinuous or irregular  narrow or linear

What is the current site use and character? (e.g. exit loops, median, DOT facility (rest area, residency, open storage area, etc.), forested, brush, mowed/agricultural, utility access, park and ride, vacant, etc.) Describe: Highway/roadside

Surrounding area character and predominant land use, check one:  
☐ Urban  ☑ Suburban  ☐ Rural  ☐ Backcountry

Is the site on a parkway, within or adjacent to a public park or recreational area, or on a highway with a historic, scenic or other designation? Check one:  ☐ Yes  ☑ No
If yes, describe:

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4K13 - I-495 west of Half Hollow Road – Huntington, Melville
What is the future (next 5-20 years) site plan (e.g. full reconstruction, lane expansion, bike lane addition, rest area closure, new ramp system, etc.)? Briefly describe: None

Is there an unobstructed, safe access to the area from the highway, frontage road, connector or parallel roadway? Check one: ☒ Yes ☐ No
If yes, describe: Direct Access from the highway

Are there any unique geometric or design considerations, check one: ☐ Yes ☒ No
If yes, describe:

Topography:
Check one: ☒ level (0-5%) ☐ gentle (5%-15%) ☐ moderate (15%-30%) ☐ steep (>30%)

If other than level, what is the predominant slope aspect? ☐ north ☐ south ☐ east ☐ west

Area electric utility company name: PSEG

Distance to nearest 3-phase power connection: TBD feet.

Distance to nearest power substation: TBD miles.

Are there any known or potentially sensitive environmental issues such as wetlands, protected stream corridors, floodplain, cultural resources, unique vegetation, threatened or endangered species/habitat, or hazardous material considerations at this site? If yes describe: NONE

Additional site notes or comments (optional):

Inset a Google air photo/map (PDF, jpg, gif, screen shot, etc.) clearly indicating the location (include caption):