



**Section B: Community Solar Energy Project Description**

Project Name: \_\_\_\_\_

\*This name will be used to reference the project in correspondence with the Applicant.

**I. Applicant Contact Information**

Applicant Company/Entity Name: \_\_\_\_\_

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Applicant Mailing Address: \_\_\_\_\_

Municipality: \_\_\_\_\_ County: \_\_\_\_\_ Zip Code: \_\_\_\_\_

- Applicant is:
- Community Solar Project Owner
  - Community Solar Developer/Facility Installer
  - Property/Site Owner
  - Subscriber Organization
  - Agent (if agent, what role is represented) \_\_\_\_\_

**II. Community Solar Project Owner**

Project Owner Company/Entity Name (complete if known): \_\_\_\_\_

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Municipality: \_\_\_\_\_ County: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**III. Community Solar Developer**

*This section, "Community Solar Developer," is optional if: 1) the Applicant is a government entity (municipal, county, or state), AND 2) the community solar developer will be selected by the Applicant via a RFP, RFQ, or other bidding process. In all other cases, this section is required.*

Developer Company Name (optional, complete if applicable): \_\_\_\_\_

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Municipality: \_\_\_\_\_ County: \_\_\_\_\_ Zip Code: \_\_\_\_\_

The proposed community solar project will be primarily built by:

- the Developer
- a contracted engineering, procurement and construction ("EPC") company



If the proposed community solar project will be primarily built by a contracted EPC company, complete the following (optional, complete if known):

*If the EPC company information is left blank and the proposed project is approved by the Board for participation in the Community Solar Energy Pilot Program, the Applicant must inform the Board of the information below once the EPC company becomes known.*

EPC Company Name (optional, complete if applicable): \_\_\_\_\_  
 First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
 Daytime Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 Municipality: \_\_\_\_\_ County: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**IV. Property/Site Owner Information**

Property Owner Company/Entity Name: \_\_\_\_\_  
 First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
 Daytime Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Applicant Mailing Address: \_\_\_\_\_  
 Municipality: \_\_\_\_\_ County: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**V. Community Solar Subscriber Organization (optional, complete if known)**

*If this section, "Community Solar Subscriber Organization," is left blank and the proposed project is approved by the Board for participation in the Community Solar Energy Pilot Program, the Applicant must inform the Board of the information below once the Subscriber Organization becomes known.*

Subscriber Organization Company/Entity Name (optional, complete if applicable): \_\_\_\_\_  
 First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
 Daytime Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 Municipality: \_\_\_\_\_ County: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**VI. Proposed Community Solar Facility Characteristics**

Community Solar Facility Size (as denominated on the PV panels): \_\_\_\_\_ MWdc  
 \*Any application for a system larger than 5 MWdc will be automatically eliminated. If awarded, projects will be held to the MWdc size indicated in this Application.

Community Solar Facility Location (Address): \_\_\_\_\_  
 Municipality: \_\_\_\_\_ County: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Name of Property (optional, complete if applicable): \_\_\_\_\_



Property Block and Lot Number(s): \_\_\_\_\_

Community Solar Site Coordinates: \_\_\_\_\_ Longitude \_\_\_\_\_ Latitude

Total Acreage of Property Block and Lots: \_\_\_\_\_ acres

Total Acreage of Community Solar Facility: \_\_\_\_\_ acres

Attach a delineated map of the portion of the property on which the community solar facility will be located in PDF format. The map must be provided in color. Note: Applications may be required upon request to submit a copy of the delineated map as a design plan in drawing file format (.dwg) or as a shapefile (.shp), in order to facilitate integration with Geographic Information System (GIS) software.

EDC electric service territory in which the proposed community solar facility is located: *(select one)*

- Atlantic City Electric
- Jersey Central Power & Light
- Public Service Electric & Gas
- Rockland Electric Co.

Estimated time from Application selection to project completion\* *(The Applicant should provide a good faith estimate of the date of project completion; however, this data is being collected for informational purposes only.)*: \_\_\_\_\_ (month) \_\_\_\_\_ (year)

\*Project completion is defined pursuant to the definition at N.J.A.C. 14:8-9.3 as being fully operational, up to and including having subscribers receive bill credits for their subscription to the project. Projects must be fully operational within 12 months of receiving conditional approval by the Board (subject to change according to the proposed rule amendment described in the Terms and Conditions).

The proposed community solar facility is an existing project\* .....  Yes  No

If "Yes," the Application will not be considered by the Board. See section B. XIII. for special provisions for projects having received a subsection (t) conditional certification from the Board prior to February 19, 2019.

\*An existing project is defined in N.J.A.C. 14:8-9.2 as a solar project having begun operation and/or been approved by the Board for connection to the distribution system prior to February 19, 2019.

**VII. Community Solar Facility Siting**

1. The proposed community solar project has site control\* .....  Yes  No

If "Yes," attach proof of site control.

If "No," the Application will be deemed incomplete.

\*Site control is defined as property ownership or option to purchase, signed lease or option to lease, or signed contract for use as a community solar site or option to contract for use as a community solar site. The site control must be specific to the project in this Application, and may not be contingent on the approval of another Application submitted in PY2.



2. The proposed community solar facility is located, in part or in whole, on preserved farmland\* .....  Yes  No

If “Yes,” the Application will not be considered by the Board.

\*Preserved farmland is defined in N.J.A.C. 14:8-9.2 as land from which a permanent development easement was conveyed and a deed of easement was recorded with the county clerk’s office pursuant to N.J.S.A. 4:1C-11 et seq.; land subject to a farmland preservation program agreement recorded with the county clerk’s office pursuant to N.J.S.A. 4:1C-24; land from which development potential has been transferred pursuant to N.J.S.A. 40:55D-113 et seq. or N.J.S.A. 40:55D-137 et seq.; or land conveyed or dedicated by agricultural restriction pursuant to N.J.S.A. 40:55D-39.1.

3. The proposed community solar facility is located, in part or in whole, on Green Acres preserved open space\* or on land owned by the New Jersey Department of Environmental Protection (NJDEP) .....  Yes  No

If “Yes,” the Applicant must attach special authorization from NJDEP for the site to host a community solar facility. The Board will not consider Applications for projects located, in part or in whole, on Green Acres preserved open space or on land owned by NJDEP, unless the Applicant has received special authorization from NJDEP and includes proof of such special authorization in the Application package.

\*Green Acres preserved open space is defined in N.J.A.C. 14:8-9.2 as land classified as either “funded parkland” or “unfunded parkland” under N.J.A.C. 7:36, or land purchased by the State with “Green Acres funding” (as defined at N.J.A.C. 7:36).

4. The proposed community solar facility is located, in part or in whole, on (check all that apply):

- a landfill (see question 7 below)
- a brownfield (see question 8 below)
- an area of historic fill (see question 9 below)
- a rooftop (see question 10 below)
- a canopy over a parking lot or parking deck
- a canopy over another type of impervious surface (e.g. walkway)
- a water reservoir or other water body (“floating solar”) (see question 11 below)
- a former sand or gravel pit or former mine
- farmland\* (see definition below)
- other (see question 5 below): \_\_\_\_\_

\*Farmland is defined as land that has been actively devoted to agricultural or horticultural use and that is/has been valued, assessed, and taxed pursuant to the “Farmland Assessment Act of 1964,” P.L. 1964, c.48 (C. 54:4-23.1 et seq.) at any time within the ten year period prior to the date of submission of the Application.

5. If you answered “other” to question 4 above, describe the proposed site and explain why it is appropriate for siting a community solar facility:





6. The proposed community solar facility is located, in part or in whole, on land located in:

- the New Jersey Highlands Planning Area or Preservation Area
- the New Jersey Pinelands

If the project is a ground mounted project (i.e. not rooftop or canopy), and answered “Yes” to either of the options above, include a letter or other determination from the New Jersey Highlands Council or the New Jersey Pinelands Commission, as relevant, stating that the proposed project is consistent with land use priorities in the area.

7. If the proposed community solar facility is located, in part or in whole, on a landfill, provide the name of the landfill, as identified in NJDEP’s database of New Jersey landfills, available at [www.nj.gov/dep/dshw/lrm/landfill.htm](http://www.nj.gov/dep/dshw/lrm/landfill.htm): \_\_\_\_\_

8. If the proposed community solar facility is located, in part or in whole, on a brownfield, has a final remediation document been issued for the property? .....  Yes  No  
 If “Yes,” attach a copy of the Response Action Outcome (“RAO”) issued by a Licensed Site Remediation Professional (“LSRP”) or the No Further Action (“NFA”) letter issued by NJDEP.

9. If the proposed community solar facility is located, in part or in whole, on an area of historic fill, have the remedial investigation requirements pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E-4.7 been implemented? .....  Yes  No  
 Has the remediation of the historic fill been completed pursuant to the Technical Requirements for Site Remediation, N.J.A.C. 7:26E-5.4? .....  Yes  No  
 If the remediation of the historic fill has been completed, attach a copy of the Response Action Outcome (“RAO”) issued by a Licensed Site Remediation Professional (“LSRP”) or the No Further Action (“NFA”) letter issued by NJDEP.

10. If the proposed community solar facility is located, in part or in whole, on a rooftop, has the Applicant verified that the roof is structurally able to support a solar system? .....  Yes  No  
 If “Yes,” attach substantiating evidence.  
 If “No,” the application will not be considered by the Board.

11. If the proposed community solar facility is located, in part or in whole, on a water reservoir or other water body (“floating solar”), is the facility located at a water treatment plant or sand and gravel pit that has little to no established floral and faunal resources?  
 .....  Yes  No



If “Yes,” provide supporting details and attach substantiating evidence if needed.

\*All proposed floating solar projects are required to meet with NJDEP’s OPPN prior to submitting an Application. Applicants are responsible for contacting NJDEP with sufficient advance notice to ensure that a meeting will occur prior to the deadline to submit an Application. Please see section VIII Permits, Question 2 for more information.

12. The proposed community solar facility is located on the property of an affordable housing building or complex .....  Yes  No

13. The proposed community solar facility is located on an area designated in need of redevelopment .....  Yes  No

If “Yes,” attach proof of the designation of the area as being in need of redevelopment from a municipal, county, or state entity.

14. The proposed community solar facility is located in an Economic Opportunity Zone, as defined by the New Jersey Department of Community Affairs (“DCA”) .....  Yes  No

If “Yes,” attach proof that the facility is located in an Economic Opportunity Zone.

\*More information about Economic Opportunity Zones are available at the following link:  
[https://www.state.nj.us/dca/divisions/lps/opp\\_zones.html](https://www.state.nj.us/dca/divisions/lps/opp_zones.html).

15. The proposed community solar facility is located on land or a building that is preserved by a municipal, county, state, or federal entity .....  Yes  No

If “Yes,” attach proof of the designation of the site as “preserved” from a municipal, county, or state entity, and evidence that such designation would not conflict with the proposed solar facility.

16. The proposed community solar facility is located, in part or in whole, on land that includes trees .....  Yes  No

Construction of the proposed community solar facility will require cutting down one or more trees .....  Yes  No

If “Yes,” estimated number of trees required to be cut for construction: \_\_\_\_\_

If “Yes,” estimated number of acres of trees that required to be cut for construction:  
 \_\_\_\_\_

17. Are there any use restrictions at the site? .....  Yes  No

If “Yes,” explain the use restriction below and provide documentation that the proposed community solar project is not prohibited.



Will the use restriction(s) be required to be modified by variance or other means?  
 .....  Yes  No

If “Yes,” explain the modification below.

18. The proposed community solar facility has been specifically designed or planned to preserve or enhance the site (e.g. landscaping, site and enhancements, pollination support, etc.) This represents site improvements beyond required basic site improvements .....  Yes  No  
 If “Yes,” explain below, and provide any substantiating documentation in an attachment. Explain how the proposed site enhancements will be made and maintained for the life of the project. If implementing pollination support, explain what type of pollination support, how this support is expected to help local ecosystems, and whether the proposed pollination support has received certifications or other verification.



19. This question is for informational purposes only, and will not impact the Application’s score. The Board is interested in learning more about ways in which “dual use” projects may be implemented in the Pilot Program:

The proposed community solar facility is a “dual use” project: i.e. the project site will remain in active agricultural production throughout the life of the project (e.g. crop production under or between the panels, livestock grazing).....  Yes  No

\*Wildflower planting or other pollination support is not considered dual use for purposes of this question (pollination support is question 18).

If “Yes,” explain what agricultural production will be maintained on the site and will be consistent with the presence of a solar system. Provide any substantiating documentation in an attachment.



VIII. Permits

1. The Applicant has completed the NJDEP Permit Readiness Checklist, and will submit it as an attachment to this Application.....  Yes  No  
 If “No,” the Application will be deemed incomplete. This requirement only applies to ground mounted and floating solar projects. Community solar projects located on a rooftop, parking lot, or parking structure are exempt from this requirement.

\*Applicants are not required to submit the Permit Readiness Checklist to NJDEP prior to submitting an Application to the Board, except in the case of floating solar projects.

2. The Applicant has met with NJDEP’s OPPN .....  Yes  No  
 If “Yes,” attach meeting notes or relevant correspondence with NJDEP’s OPPN.

\* If the Applicant met with OPPN or received comments from OPPN (formerly PCER) for this project as part of the Program Year 1 Application process, and if the details of the project and the site characteristics have remained the same, those comments remain valid. Please include those comments or meeting notes as an attachment to the Application.

\*A meeting with NJDEP’s OPPN is not required prior to submitting an Application. Exception: all floating solar projects are required to meet with NJDEP’s OPPN prior to submitting an Application. Applicants with a floating solar project are responsible for contacting NJDEP with sufficient advance notice to ensure that a meeting will occur prior to the deadline to submit an Application.

3. The Applicant has received all non-ministerial permits\* for this project (optional) .....  Yes  No

\*Receiving all non-ministerial permits is not required prior to submitting an Application.

\*A non-ministerial permit is one in which one or more officials consider various factors and exercise some discretion in deciding whether to issue or deny a permit. This is in contrast to a ministerial permit, for which approval is contingent upon the project meeting pre-determined and established standards. Examples of non-ministerial permits include: local planning board authorization, use variances, Pinelands or Highlands Commission approvals, etc. Examples of ministerial permits include building permits and electrical permits.

4. Please list all permits, approvals, or other authorizations that will be needed for the construction and operation of the proposed community solar facility pursuant to local, state and federal laws and regulations. Include permits that have already been received, have been applied for, and that will need to be applied for. These include:
  - a. Permits, approvals, or other authorizations from NJDEP (i.e. Land Use, Air Quality, New Jersey Pollutant Discharge Elimination System “NJPDES”, etc.) for the property.
  - b. Permits, approvals, or other authorizations from NJDEP (i.e. Land Use, Air Quality, NJPDES, etc.) directly related to the installation and operation of a solar facility on this property.



- c. Permits, approvals, or other authorizations other than those from NJDEP for the development, construction, or operation of the community solar facility (including local zoning and other local and state permits)

An Application that does not list all permits, approvals, or other authorizations that will be needed for the construction and operation of the proposed community solar facility will be deemed incomplete.

If a permit has been received, attach a copy of the permit.

Permit Name & Description	Permitting Agency/Entity	Date Permit Applied for (if applicable) / Date Permit Received (if applicable)

- 5. The Applicant has consulted the hosting capacity map of the relevant EDC via the EDC's website (links are available on the NJCEP website) and determined that, based on the capacity hosting map as published at the date of submission of the Application, there is sufficient capacity available at the proposed location to build the proposed community solar facility .....  Yes  No

If "Yes," include a screenshot of the capacity hosting map at the proposed location, showing the available capacity.

If the hosting capacity map shows insufficient capacity, the Application will not be considered by the Board, unless the Applicant provides: 1) a letter from the relevant EDC indicating that the hosting capacity map is incorrect in that location, or 2) an assessment from the relevant EDC of the cost of the interconnection upgrade that would be required to enable the interconnection of the proposed system, and a commitment from the Applicant to pay those upgrade costs if the project were to be selected by the Board.

**Exception:** Projects located in PSE&G service territory for which the hosting capacity map shows insufficient capacity available at the planned location may be eligible for a waiver of this requirement. If this application is seeking to exercise this waiver, please check "Yes" below and attach the waiver requirements as described in the Board's Order: <https://www.njcleanenergy.com/files/file/CommunitySolar/FY21/8E%20-%20ORDER%20PSEG%20Interconnection.pdf>.

This project is exercising the PSE&G hosting capacity map waiver: .....  Yes  No



6. The Applicant has conducted an interconnection study for the proposed system (*optional*) .....  Yes  No  
 If “Yes,” include the interconnection study received from the EDC.

**IX. Community Solar Subscriptions and Subscribers**

1. Estimated or Anticipated Number of Subscribers (*please provide a good faith estimate or range*):  
 \_\_\_\_\_

2. Estimated or Anticipated Breakdown of Subscribers (*please provide a good faith estimate or range of the kWh of project allocated to each category*):  
 Residential: \_\_\_\_\_ Commercial: \_\_\_\_\_  
 Industrial: \_\_\_\_\_ Other: \_\_\_\_\_  
 (define “other”: \_\_\_\_\_)

3. The proposed community solar project is an LMI project\* .....  Yes  No  
 \*An LMI project is defined pursuant to N.J.A.C. 14:8-9 as a community solar project in which a minimum 51 percent of project capacity is subscribed by LMI subscribers.

4. The proposed community solar project has a clear plan for effective and respectful customer engagement process. ....  Yes  No  
 If “Yes,” attach evidence of experience on projects serving LMI communities or partnerships with organizations that have experience serving LMI communities.

5. The proposed community solar project will allocate at least 51% of project capacity to residential customers .....  Yes  No

6. An affordable housing provider is seeking to qualify as an LMI subscriber for the purposes of the community solar project .....  Yes  No  
 If “Yes,” estimated or anticipated percentage of the project capacity for the affordable housing provider’s subscription (*provide an estimate or range*): \_\_\_\_\_

If “Yes,” what specific, substantial, identifiable, and quantifiable long-term benefits from the community solar subscription are being passed through to their residents/tenants?





Additionally, the affordable housing provider must attach a signed affidavit that the specific, substantial, identifiable, and quantifiable long-term benefits from the community solar subscription will be passed through to their residents/tenants.

If “No,” please be aware that, if, at any time during the operating life of the community solar project an affordable housing provider wishes to subscribe to the community solar project as an LMI subscriber, it must submit a signed affidavit that the specific, substantial, identifiable, and quantifiable benefits from the community solar subscription will be passed through to its residents/tenants.

7. This project uses an anchor subscriber (*optional*) .....  Yes  No  
 If “Yes,” name of the anchor subscriber (*optional*): \_\_\_\_\_  
 Estimated or anticipated percentage or range of the project capacity for the anchor subscriber’s subscription: \_\_\_\_\_

8. Is there any expectation that the account holder of a master meter will subscribe to the community solar project on behalf of its tenants? .....  Yes  No  
 If “Yes,” what specific, identifiable, sufficient, and quantifiable benefits from the community solar subscription are being passed through to the tenants?



Additionally, the account holder of the master meter must attach a signed affidavit that the specific, identifiable, sufficient, and quantifiable benefits from the community solar subscription will be passed through to the tenants.

If “No,” please be aware that, if, at any time during the operating life of the community solar project the account holder of a master meter wishes to subscribe to the community solar project on behalf of its tenants, it must submit to the Board a signed affidavit that the specific, identifiable, sufficient, and quantifiable benefits from the community solar subscription will be passed through to its tenants.

9. The geographic restriction for distance between project site and subscribers is: (*select one*)  
 No geographic restriction: whole EDC service territory  
 Same county OR same county and adjacent counties  
 Same municipality OR same municipality and adjacent municipalities

Note: The geographic restriction selected here will apply for the lifetime of the project, barring special dispensation from the Board, pursuant to N.J.A.C. 14:8-9.5(a).



10. Product Offering for LMI subscribers: *(The Applicant must also complete and attach one or more product offering form(s) found in Appendix A. See Appendix A for exemptions.)*

The subscription proposed offers guaranteed or fixed savings to subscribers .....  Yes  No

If "Yes," the guaranteed or fixed savings are offered as:

- A percentage saving on the customer's annual electric utility bill
- A percentage saving on the customer's community solar bill credit
- Other: \_\_\_\_\_

If "Yes," the proposed savings represent:

- 0% - 5% of the customer's annual electric utility bill or bill credit
- 5% - 10% of the customer's annual electric utility bill or bill credit
- 10% - 20% of the customer's annual electric utility bill or bill credit
- over 20% of the customer's annual electric utility bill or bill credit

The subscription proposed offers subscribers ownership or a pathway to ownership of a share of the community solar facility .....  Yes  No

If "Yes," include proof of a pathway to ownership of a share of the community solar facility offered to the subscribers in Appendix A.

11. Product Offering for non-LMI subscribers: *(The Applicant must also complete and attach one or more product offering form(s) found in Appendix A. See Appendix A for exemptions.)*

The subscription proposed offers guaranteed or fixed savings to subscribers .....  Yes  No

If "Yes," the guaranteed or fixed savings are offered as:

- A percentage saving on the customer's annual electric utility bill
- A percentage saving on the customer's community solar bill credit
- Other: \_\_\_\_\_

If "Yes," the proposed savings represent:

- 0% - 5% of the customer's annual electric utility bill or bill credit
- 5% - 10% of the customer's annual electric utility bill or bill credit
- 10% - 20% of the customer's annual electric utility bill or bill credit
- over 20% of the customer's annual electric utility bill or bill credit

The subscription proposed offers subscribers ownership or a pathway to ownership of a share of the community solar facility .....  Yes  No

If "Yes," include proof of a pathway to ownership of a share of the community solar facility offered to the subscribers in Appendix A.



12. The list of approved community solar projects will be published on the Board’s website. Additionally, subscriber organizations have the option of indicating, on this list, that the project is currently seeking subscribers.

If this project is approved, the Board should indicate on its website that the project is currently seeking subscribers .....  Yes  No

If “Yes,” the contact information indicated on the Board’s website should read:

Company/Entity Name: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_ Email: \_\_\_\_\_

\*It is the responsibility of the project’s subscriber organization to notify the Board if/when the project is no longer seeking subscribers, and request that the Board remove the above information on its website.

**X. Community Engagement**

1. The proposed community solar facility is located on land or a building owned or controlled by a government entity, including, but not limited to, a municipal, county, state, or federal entity .....  Yes  No

2. The proposed community solar project is being developed by or in partnership or collaboration\* with the municipality in which the project is located .....  Yes  No  
 If “Yes,” explain how and attach evidence of the project being developed by or in partnership or collaboration with the municipality in which the project is located.

\*Partnership or collaboration with the municipality is defined as clear and ongoing municipal involvement in the approval of the design, development, or operation of the proposed community solar project (e.g. project is located on a municipal site, municipality facilitating subscriber acquisition, municipal involvement in defining the subscription terms, etc.). Examples of evidence may include a formal partnership, a municipal request for proposals or other public bidding process, letter describing the municipality’s involvement in the project or meeting minutes. Documentation must be specific to the project described in this Application; “generic” documentation of support that applies to multiple projects submitted by the same Applicant will not be accepted.

3. The proposed community solar project is being developed by or in partnership or collaboration\* with one or more local community organization(s) and/or affordable housing providers in the area in which the project is located .....  Yes  No



If “Yes,” explain how and attach evidence of the project being developed by or in partnership or collaboration with the local community organization(s) and/or affordable housing providers.

\*Partnership or collaboration is defined as clear and ongoing involvement by the local community organization(s) and/or affordable housing providers in the approval of the design, development, or operation of the proposed community solar project (e.g. community organization owns the proposed site, community organization is facilitating subscriber acquisition or was involved in the design of the community solar product offering, etc.). Documentation must be specific to the project described in this Application; “generic” documentation of support that applies to multiple projects submitted by the same Applicant will not be accepted.

4. The proposed community solar project was developed, at least in part, with support and in consultation with the community in which the project is located\* .....  Yes  No  
 If “Yes,” please describe the consultative process below.

\*A community consultative process may include any of the following: letter of support from municipality and/or community organizations and/or local affordable housing provider demonstrating their awareness and support of the project; one or more opportunities for public intervention; and/or outreach to the municipality and/or local community organizations and/or affordable housing provider.

**XI. Project Cost**

*This section, “Project Cost,” is optional if: 1) the Applicant is a government entity (municipal, county, or state), AND 2) the community solar developer will be selected by the Applicant via a RFP, RFQ, or other bidding process. In all other cases, this section is required.*

1. Provide the following cost estimates and attach substantiating evidence in the form of an unlocked Excel spreadsheet model:

*Applicants are expected to provide a good faith estimate of costs associated with the proposed community solar project, as they are known at the time the Application is filed with the Board. This information will not be used in the evaluation of the proposed community solar project.*



Net Installed Cost (in \$)	
Net Installed Cost (in \$/Watt)	
Initial Customer Acquisition Cost (in \$/Watt)	
Annual Customer Churn Rate (in %)	
Annual Operating Expenses (in c/kWh)	
Levelized Cost of Energy (“LCOE”) (in c/kWh)	

- Pursuant to N.J.A.C. 14:8-9.7(q), “community solar projects shall be eligible to apply, via a one-time election prior to the delivery of any energy from the facility, for SRECs or Class I RECs, as applicable, or to any subsequent compensations as determined by the Board pursuant to the Clean Energy Act.” Consistent with the Clean Energy Act of 2018, the Board is no longer accepting applications for the SREC Registration Program (“SRP”). Projects granted conditional approval to participate in PY2 will be eligible to apply for the TI Program.

For indicative purposes only, please indicate all local, state and federal tax incentives which will be applied to if the proposed community solar project is approved for participation in the Community Solar Energy Pilot Program:



**XII. Other Benefits**

- The proposed community solar facility will be paired with storage .....  Yes  No  
 If “Yes,” please describe the proposed storage facility:
  - Storage system size: \_\_\_\_\_ MW \_\_\_\_\_ MWh
  - The storage offtaker is also a subscriber to the proposed community solar facility .....  Yes  No

\*Community solar credits will only be provided to community solar generation; credits will not be provided to energy discharged to the grid from a storage facility (i.e. no “double counting”).

- The proposed community solar facility will be paired with one or more EV charging stations .....  Yes  No  
 If “Yes,” how many EV charging stations: \_\_\_\_\_  
 Will these charging stations be public and/or private? \_\_\_\_\_  
 Please provide additional details:



3. The proposed community solar facility will provide energy audits and/or energy efficiency improvements to subscribers.....  Yes  No

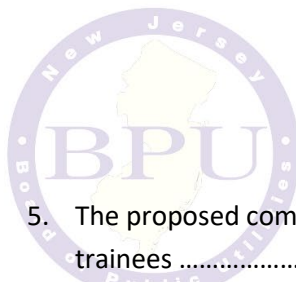
If "Yes," please provide additional details:

4. The proposed community solar project will create temporary or permanent jobs in New Jersey .....  Yes  No

If "Yes," estimated number of temporary jobs created in New Jersey: \_\_\_\_\_

If "Yes," estimated number of permanent jobs created in New Jersey: \_\_\_\_\_

If "Yes," explain what these jobs are:



5. The proposed community solar project will provide job training opportunities for local solar trainees .....  Yes  No

If "Yes," will the job training be provided through a registered apprenticeship? ....  Yes  No

If "Yes," identify the entity or entities through which job training is or will be organized (e.g. New Jersey GAINS program, partnership with local school):

**XIII. Special Authorizations and Exemptions**

1. Is the proposed community solar project co-located with another community solar facility (as defined at N.J.A.C. 14:8-9.2)? .....  Yes  No

If "Yes," please explain why the co-location can be approved by the Board, consistent with the provisions at N.J.A.C. 14:8-9





2. Does this project seek an exemption from the 10-subscriber minimum? .....  Yes  No  
 If “Yes,” please demonstrate below (and attach supporting documents as relevant):
- a. That the project is sited on the property of a multi-family building.
  - b. That the project will provide specific, identifiable, and quantifiable benefits to the households residing in said multi-family building.

3. Specific sections throughout the Application Form are identified as optional only if: 1) the Applicant is a government entity (municipal, county, or state), and 2) the community solar developer will be selected by the Applicant via a RFP, RFQ, or other bidding process. Is the Applicant a government entity that plans to select the developer via such bidding process? .....  Yes  No  
 If “Yes,” attach a letter describing the proposed bidding process and a copy of the request for bids (RFP, RFQ, or other bidding document) that is ready to be issued if the project is granted conditional approval by the Board. The Applicant must further commit to issuing said RFP, RFQ, or other bidding process within 90 days of the proposed project being approved by the Board for participation in the Community Solar Energy Pilot Program. The Applicant will be required to provide the information contained in those optional sections to the Board once it becomes known.

4. Has the proposed community solar project received, in part or in whole, a subsection (t) conditional certification from the Board prior to February 19, 2019? .....  Yes  No  
 If “Yes,” the project may apply to participate in the Community Solar Energy Pilot Program if it commits to withdrawing the applicable subsection (t) conditional certification immediately if it is approved by the Board for participation in the Community Solar Energy Pilot Program. Attach a signed affidavit that the Applicant will immediately withdraw the applicable subsection (t) conditional certification if the proposed project is approved by the Board for participation in the Community Solar Energy Pilot Program.

5. The Board has proposed an amendment to the Pilot Program rules, which, if approved, would allow municipally-owned community solar projects to submit an application for a project that requests an exemption from the provisions at N.J.A.C. 14:8-9.10(b)(1) mandating subscriber enrollment via affirmative consent (i.e. an opt-out community solar project). Projects that intend



to utilize opt-out subscriber enrollment if the proposed rule amendment is approved by the Board must indicate such intent below. If the Application is selected but the proposed rule amendment is not approved by the Board, the project will be required to proceed using affirmative consent (i.e. "opt-in") subscriber enrollment rules, as currently provided for in the Pilot Program rules at N.J.A.C. 14:8-9.10(b)(1).

A. This Application is for an opt-out community solar project.....  Yes  No

B. The proposed opt-out project will be owned and operated by the municipality for the duration of the project life (excluding a possible period of temporary third-party, tax-credit investor ownership to maximize the financeability of the opt-out project, subject to appropriate contractual provisions that maintain the municipality's ultimate control of the proposed opt-out project).....  Yes  No

If "Yes," the municipality name is: \_\_\_\_\_

If "No," the project will not be considered for eligibility as an opt-out community solar project.

C. The proposed opt-out project has been authorized by municipal ordinance or resolution .....  Yes  No

If "Yes," attach a copy of the municipal ordinance or resolution allowing the development, ownership, and operation an opt-out community solar project, contingent on the proposed rules being approved by the Board.

If "No," the project will not be considered for eligibility as an opt-out community solar project.

D. The proposed opt-out project will allocate all project capacity to LMI subscribers .....  Yes  No

If "No," the project will not be considered for eligibility as an opt-out community solar project.

E. Describe the process by which the municipality will identify the customers that will be automatically enrolled in the proposed opt-out project: \_\_\_\_\_

F. The municipal applicant has reviewed the proposed rule amendment allowing for opt-out projects, and agrees to adhere to the proposed rules and any subsequent modification if they are approved by the Board. The applicant understands that any approval for the project to operate as an opt-out community solar project is contingent on the proposed rule amendment being approved by the Board. The applicant understands that, if the proposed rule amendment is not approved by the Board, the project, if approved, will be required to



adhere to the existing “opt-in” rules for subscriber enrollment (N.J.A.C. 14:8-9.10(b)(1)).  
.....  Yes  No

Attach an affidavit that the municipal project owner will comply with all applicable rules and regulations, particularly those relating to consumer privacy and consumer protection.





**Section C: Certifications**

*Instructions: Original signatures on all certifications are required. All certifications in this section must be notarized; instructions on how to submit certifications will be provided as part of the online application process. Certifications must be dated after October 3, 2020: PY1 certifications may not be reused in PY2.*

**Applicant Certification**

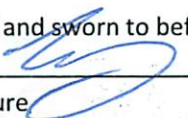
The undersigned warrants, certifies, and represents that:

- 1) I, Jacob Sussman (name) am the COO (title) of the Applicant Evergreen Energy, LLC (name) and have been authorized to file this Applicant Certification on behalf of my organization; and
- 2) The information provided in this Application package has been personally examined, is true, accurate, complete, and correct to the best of the undersigned's knowledge, based on personal knowledge or on inquiry of individuals with such knowledge; and
- 3) The community solar facility proposed in the Application will be constructed, installed, and operated as described in the Application and in accordance with all Board rules and applicable laws; and
- 4) The system proposed in the Application will be constructed, installed, and operated in accordance with all Board policies and procedures for the Transition Incentive Program, if applicable; and
- 5) My organization understands that information in this Application is subject to disclosure under the Open Public Records Act, N.J.S.A. 47-1A-1 et seq., and that any claimed sensitive and trade secret information should be submitted in accordance with the confidentiality procedures set forth in N.J.A.C. 14:1-12.3; and
- 6) I acknowledge that **submission of false information may be grounds for denial of this Application, and if any of the foregoing statements are willfully false, I am subject to punishment to the full extent of the law, including the possibility of fine and imprisonment.**

Signature:  Date: 2/1/21

Print Name: Jacob Sussman  
 Title: COO Company: Evergreen Energy

Signed and sworn to before me on this 1<sup>st</sup> day of February, 2021

Signature   
**YANKY BRENNER**  
 A Notary Public of New Jersey  
 Name Yanky Brenner  
 My Commission Expires 01/24/2023





**Project Developer Certification**

*This Certification "Project Developer / Installer" is optional if: 1) the Applicant is a government entity (municipal, county, or state), AND 2) the community solar developer will be selected by the Applicant via a Request for Proposals (RFP), Request for Quotations (RFQ), or other bidding process. In all other cases, this Certification is required.*


The undersigned warrants, certifies, and represents that:

- 1) I, Jacob Sussman (name) am the COO (title) of the Project Developer Evergreen Energy, LLC (name) and have been authorized to file this Applicant Certification on behalf of my organization; and
- 2) The information provided in this Application package has been personally examined, is true, accurate, complete, and correct to the best of the undersigned's knowledge, based on personal knowledge or on inquiry of individuals with such knowledge; and
- 3) The community solar facility proposed in the Application will be constructed, installed, and operated as described in the Application and in accordance with all Board rules and applicable laws; and
- 4) The system proposed in the Application will be constructed, installed, and operated in accordance with all Board policies and procedures for the Transition Incentive Program, if applicable; and
- 5) My organization understands that information in this Application is subject to disclosure under the Open Public Records Act, N.J.S.A. 47-1A-1 et seq., and that any claimed sensitive and trade secret information should be submitted in accordance with the confidentiality procedures set forth in N.J.A.C. 14:1-12.3; and
- 6) I acknowledge that **submission of false information may be grounds for denial of this Application, and if any of the foregoing statements are willfully false, I am subject to punishment to the full extent of the law, including the possibility of fine and imprisonment.**

Signature:  Date: 2/11/21

Print Name: Jacob Sussman  
 Title: COO Company: Evergreen Energy

Signed and sworn to before me on this 1<sup>st</sup> day of February, 2021

  
 Signature **YANKY BRENNER**  
 A Notary Public of New Jersey  
 My Commission Expires 01/24/2023  
 Name



Project Owner Certification

The undersigned warrants, certifies, and represents that:

- 1) I, Richard Haddad (name) am the Managing Member (title) of the Project Owner Masterbuilt Industries, LLC (name) and have been authorized to file this Applicant Certification on behalf of my organization; and
- 2) The information provided in this Application package has been personally examined, is true, accurate, complete, and correct to the best of the undersigned's knowledge, based on personal knowledge or on inquiry of individuals with such knowledge; and
- 3) The community solar facility proposed in the Application will be constructed, installed, and operated as described in the Application and in accordance with all Board rules and applicable laws; and
- 4) The system proposed in the Application will be constructed, installed, and operated in accordance with all Board policies and procedures for the Transition Incentive Program, if applicable; and
- 5) My organization understands that information in this Application is subject to disclosure under the Open Public Records Act, N.J.S.A. 47-1A-1 et seq., and that any claimed sensitive and trade secret information should be submitted in accordance with the confidentiality procedures set forth in N.J.A.C. 14:1-12.3; and
- 6) I acknowledge that **submission of false information may be grounds for denial of this Application, and if any of the foregoing statements are willfully false, I am subject to punishment to the full extent of the law, including the possibility of fine and imprisonment.**

Signature: *Richard Haddad* Date: 1/28/21

Print Name: Richard Haddad  
Title: Managing Member Company: Masterbuilt Industries, LLC

Signed and sworn to before me on this 28<sup>th</sup> day of January, 2021

Signature: *John Spielberg*  
Name: John Spielberg

**JOHN RONALD SPIELBERGER**  
ID #2409558  
**NOTARY PUBLIC OF NEW JERSEY**  
My Commission Expires 6/16/2021







Property Owner Certification

The undersigned warrants, certifies, and represents that:

- 1) I, Richard Haddad (name) am the CFO (title) of the Property 231 Herrod Blvd, Dayton, NJ (name) and have been authorized to file this Applicant Certification on behalf of my organization; and
- 2) The information provided in this Application package pertaining to siting and location of the proposed community solar project has been personally examined, is true, accurate, complete, and correct to the best of the undersigned's knowledge, based on personal knowledge or on inquiry of individuals with such knowledge; and
- 3) My organization or I understand that information in this Application is subject to disclosure under the Open Public Records Act, N.J.S.A. 47-1A-1 et seq., and that any claimed sensitive and trade secret information should be submitted in accordance with the confidentiality procedures set forth in N.J.A.C. 14:1-12.3; and
- 4) I acknowledge that submission of false information may be grounds for denial of this Application, and if any of the foregoing statements are willfully false, I am subject to punishment to the full extent of the law, including the possibility of fine and imprisonment.

Signature: *Richard Haddad* Date: 1/28/21

Print Name: Richard Haddad  
Title: CFO Company: The Haddad Apparel Group, Ltd.

Signed and sworn to before me on this 28<sup>th</sup> day of January, 2021

*John Spielberg*  
Signature

*John Spielberg*  
Name

**JOHN RONALD SPIELBERGER**  
ID #2409558  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 6/16/2021





**Section D: Appendix**

**Appendix A: Product Offering Questionnaire**

Complete the following Product Offering Questionnaire. If there are multiple different product offerings for the proposed community solar project, please complete and attach one Product Offering Questionnaire per product offering. Variations in any product offering require a separate Product Offering Questionnaire. Applicants are expected to provide a good faith description of the product offerings developed for the proposed community solar project, as they are known at the time the Application is filed with the Board. If the proposed project is approved by the Board, the Applicant must notify the Board and receive approval from the Board for any modification or addition to a Product Offering Questionnaire.

Exception: This "Product Offering Questionnaire" is optional if: 1) the Applicant is a government entity (municipal, county, or state), AND 2) the community solar developer will be selected by the Applicant via a Request for Proposals (RFP), Request for Quotations (RFQ), or other bidding process.

This Questionnaire is Product Offering number \_\_\_\_\_ of \_\_\_\_\_ (total number of product offerings).

This Product Offering applies to:

- LMI subscribers
- non-LMI subscribers
- both LMI and non-LMI subscribers

1. Community Solar Subscription Type (examples: kilowatt hours per year, kilowatt size, percentage of community solar facility's nameplate capacity, percentage of subscriber's historical usage, percentage of subscriber's actual usage): \_\_\_\_\_
2. Community Solar Subscription Price: (check all that apply)
  - Fixed price per month
  - Variable price per month, variation based on: \_\_\_\_\_
  - The subscription price has an escalator of \_\_\_\_\_ % every \_\_\_\_\_ (interval)
3. Contract term (length): \_\_\_\_\_ months, or \_\_\_\_\_ years OR  month-to-month
4. Fees
  - Sign-up fee: \_\_\_\_\_
  - Early Termination or Cancellation fees: \_\_\_\_\_
  - Other fee(s) and frequency: \_\_\_\_\_
5. Does the subscription guarantee or offer fixed savings or specific, quantifiable economic benefits to the subscriber? .....  Yes  No



If "Yes," the savings are guaranteed or fixed:

- As a percentage of monthly utility bill
- As a fixed guaranteed savings compared to average historic bill
- As a fixed percentage of bill credits
- Other: \_\_\_\_\_

6. Special conditions or considerations:



# **Table of Contents: Attachments 1- 13**

## **Cover Letter and Executive Summary**

- 1) Delineated Map of The Portion of The Property on Which the Community Solar Facility Will Be located**
- 2) Proof of Site Control**
- 3) Substantiating Evidence That the Roof Is Structurally Able to Support A Solar System**
- 4) Proof of The Designation of The Area as Being in Need of Redevelopment from A Municipal, County, Or State Entity**
- 5) Copy of The Completed Permit Readiness Checklist**
- 6) A Screenshot of The EDC Capacity Hosting Map at The Proposed Location**
- 7) Substantiating Evidence of Project Cost in The Form of Charts and/or Spreadsheet Models**
- 8) Project Maturity Evidence**
- 9) Evidence That the Proposed Project Is Being Developed in Partnership or Collaboration with One Or More Local Community Organization(S) and/or Affordable Housing Providers in The Area in Which the Project Is Located**
- 10) Evidence That the Proposed Project Is Being Developed with Support and In Consultation with The Community in Which the Project Is Located**
- 11) Other Benefits: Electric Vehicle Charging**

# **Evergreen Energy Solutions**

## **Program Year 2 Community Solar Pilot Program Application**

### **For the Herrod Community Project**

#### **Cover Letter**

Evergreen Energy Solutions (“Evergreen Energy”) together with Masterbuilt Industries, LLC (an affiliate of the Haddad Brands organization), is applying to own, construct, and operate a Community Solar Project (known as the “The Herrod Community Project”) within the South Brunswick Township. The mailing address for Masterbuilt Industries is Dayton, New Jersey which is a neighborhood subset of the South Brunswick Township. The Haddad Apparel Group, LTD. is the entity that owns the building, and, as the name implies, is also an affiliate of the Haddad Brands organization. Masterbuilt and Haddad Brands have a long history of community and charity work, and this is another opportunity for them to give back to the communities that they operate in.

We are thrilled at the opportunity to bring solar energy to the residents of Middlesex County. The proposed Herrod Community Project will make an exciting addition to the BPU’s Pilot Program Projects due to several unique attributes:

- **Entirely (100%) Low-and-Moderate Income Customers:**  
Evergreen Energy commits to providing Community Solar participation to exclusively LMI customers – far above the 51% LMI requirement stated in the Rules. Through this feature, the Herrod Community Project delivers on the Murphy Administration’s commitment to the environmental justice community, going above and beyond the minimum requirements of the Community Solar Pilot Program: to ensure those living in low- and moderate-income communities share in the benefits associated with the state’s clean-energy future.
- **Community relief:**  
Neighboring township, Franklin Township, is identified by the state of New Jersey as an overburdened community, both due to its composition of immigrant and low income families. The Herrod community solar project will be an opportunity to offer the economic benefits of solar generation in New Jersey to the underprivileged portions of society.
- **Other Community Benefits:**  
The Herrod Community Project will employ numerous workers from a local staffing

agency.

We look forward to helping make New Jersey a leader in Community Solar for LMI customers. We are available to answer any questions you may have.

## **Executive Summary**

**Evergreen's application satisfies the Evaluation Criteria within BPU's application among its highest point levels in almost every BPU evaluation category. Specifically:**

### **1. Low- and Moderate-Income and Environmental Justice**

The application fully satisfies the "Low and moderate Income and Environmental Justice Inclusion" criterion, going above and beyond by **guaranteeing participation of 100% LMI customers.**

### **2. Siting**

With regards to the "Siting" criterion, the Project is located on a rooftop, a "higher preference" site provided for in the Evaluation Criteria. The Herrod Community Project will earn bonus points for being located in a Redevelopment Node (according to the NJ State Development and Redevelopment Plan), and An Overburdened Community (according to New Jersey Environmental Justice Law, *N.J.S.A. 13:1D-157*).

See Attachments 1 and 4.

### **3. Community and Environmental Justice Engagement**

The Herrod Community Project is imbued with the highest level of "Community and Environmental Justice Engagement." Haddad Brands, which Masterbuilt Industries is an affiliate of, has a strong focus on community development. Haddad Brands organization does a tremendous amount of charity in the community and across the country, illustrated on their website and documented in the attachment section. One of the community organizations that they are very involved in is the Chabad Center of South Brunswick. A Chabad center is by its very definition an open community house for people looking for a spiritual Jewish connection. Haddad Brands and Masterbuilt Industries in conjunction with the Chabad House of South Brunswick will be hosting an informative educational event to educate the community about the benefits and opportunity of subscribing to a community solar project. See attachment sections 9 & 10 for reference.

### **4. Product Offering**

The Project fully satisfies the highest "Product Offering" criterion by guaranteeing a minimum of greater than 20% savings, with flexible terms including no cancellation fees and opportunity for



customers to leave the Project at any time. The Herrod Community Project will serve exclusively LMI customers, so there is no product offering to non-LMI subscribers.

## 5. Other Benefits

In the “Other Benefits” category, the Herrod Community Project fulfills multiple criteria for a full 10 point score. Upon BPU approval, Evergreen Energy commits to installing public electric-vehicle charging stations on-site, which will be available to our employees who may live in multi-family units that would otherwise not have access to EV charging. Furthermore, the Herrod Community Project also fulfills BPU’s criteria of energy efficiency co-benefits, as Evergreen commits to provide free ENERGY STAR qualified light bulbs to all subscribers, further helping these customers to lower their energy bill. See Attachment 11. Additionally, the Herrod Community Project will create 20 jobs (18 construction workers, and 2 program administrative positions to run the large community solar subscriptions).

## 6. Geographic Limit within EDC service territory

This Application earns the highest possible points for Geographic Limit, as the Herrod Community Project will service the South Brunswick Townships and its adjacent townships.

## 7. Project Maturity

The Herrod Community Project earns full points for “Project Maturity” upon award of participation in the Community Solar Pilot Program, as there are no non-ministerial permits required. See Attachment 8.

Evergreen has developed and constructed numerous projects for Masterbuilt Industries. One of those projects was on the same rooftop, 231 Herrod Blvd as this proposed Herrod Community solar project. Having extensive experiences developing and constructing solar in South Brunswick will undoubtedly ensure that the Herrod community project will materialize in a timely manner. Kindly refer to the attached CA from South Brunswick for the previous solar project at 231 Herrod Blvd. **This proposed community solar will have a separate interconnection and revenue grade metering equipment.**

As evidenced on the attached EDC map, there is capacity in the area for the Herrod Community project. Of particular reference is that should the EDC require circuit upgrades, Masterbuilt Industries and Haddad Brands have had such experiences at other locations and they paid for those upgrades for the EDC to approve their interconnection. This is strong evidence that Masterbuilt will be committed to advance this project, should the board select the Herrod Community project in PY2.

**It is worth noting that Masterbuilt Industries self-finances their solar projects, so bank financing will in no way affect the viability of the Herrod Community project.**

Evergreen is fully staffed, resourced, and experienced to expeditiously implement the Project. Furthermore, the Project can be considered “mature” by the reasoning of the BPU’s Order of October 2, 2020, (*N.J.A.C. 14:8-9 et seq.*) which values projects “that are expected to begin providing community solar benefits to subscribers sooner.”

Accordingly, Evergreen and Masterbuilt have a long history of developing and successfully installing solar in South Brunswick. This surely fulfills the BPU’s preference for projects “that are expected to begin providing community solar benefits to subscribers sooner.”

We are excited about delivering benefits to LMI residents and are committed to long term success for the project and the community. Thank you for your consideration.

## Attachment 1- Delineated Map of property



New Community Solar



Existing Solar





## Attachment 2-

Site Control- Deed of Property showing that The Haddad Apparel Group, LTD owns the building along with the notarized form from the CFO granting site control.





Property Owner Certification

The undersigned warrants, certifies, and represents that:

- 1) I, Richard Haddad (name) am the CFO (title) of the Property 231 Herrod Blvd, Dayton, NJ (name) and have been authorized to file this Applicant Certification on behalf of my organization; and
- 2) The information provided in this Application package pertaining to siting and location of the proposed community solar project has been personally examined, is true, accurate, complete, and correct to the best of the undersigned's knowledge, based on personal knowledge or on inquiry of individuals with such knowledge; and
- 3) My organization or I understand that information in this Application is subject to disclosure under the Open Public Records Act, N.J.S.A. 47-1A-1 et seq., and that any claimed sensitive and trade secret information should be submitted in accordance with the confidentiality procedures set forth in N.J.A.C. 14:1-12.3; and
- 4) I acknowledge that submission of false information may be grounds for denial of this Application, and if any of the foregoing statements are willfully false, I am subject to punishment to the full extent of the law, including the possibility of fine and imprisonment.

Signature: *Richard Haddad* Date: 1/28/21

Print Name: Richard Haddad  
Title: CFO Company: The Haddad Apparel Group, Ltd.

Signed and sworn to before me on this 28<sup>th</sup> day of January, 2021

*John Spielberg*  
Signature

*John Spielberg*  
Name

**JOHN RONALD SPIELBERGER**  
ID #2409558  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 6/16/2021





MIDDLESEX COUNTY CLERK

Return To:

RICHARD R. KAHN ESQ  
21 MAIN ST STE 101  
COURT PLAZA SOUTH  
HACKENSACK NJ 07601

TMT HERROD BRUNSWICK, INC.

Index DEED BOOK

Book 06311 Page 0349

No. Pages 0007

Instrument STANDARD EXCESS

Date : 12/20/2011

Time : 12:01:00

Control # 201112200389

INST# DE 2011 012971

Employee ID CHARMC

RECORDING	\$	55.00
NJPRPA	\$	12.00
DARM	\$	18.00
DARM 3.00	\$	3.00
NJPRPA	\$	2.00
GRANTEE TX	\$	.00
- - - - -	\$	.00
DD4 T1 CO	\$	150.00
DD4 T1 ST	\$	375.00
All Other	\$	122,405.80
Total:	\$	123,020.80

STATE OF NEW JERSEY  
MIDDLESEX COUNTY CLERK

PLEASE NOTE  
DO NOT REMOVE THIS COVERSHEET  
IN CONTAINS ALL RECORDING INFORMATION

ELAINE FLYNN  
COUNTY CLERK



Cover sheet is part of Middlesex County filing record  
Retain this page for future reference  
Not part of the original submitted document

DO NOT REMOVE THIS PAGE.  
TO ACCESS THE IMAGE OF  
THE DOCUMENT RECORDED  
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BOOK AND PAGE NUMBER  
ABOVE.

B06311P0349

Deed

RECORDED  
ELAINE M. FLYNN  
MIDDLESEX COUNTY CLERK

2011 DEC 20 PM 12:05

This Deed is made on December 14, 2011  
BETWEEN

TMT HERROD BRUNSWICK, INC.  
a corporation of the State of Delaware  
having its principal office at c/o Stockbridge Real Estate Funds, 445 Hamilton Ave.,  
NY 10601

BOOK # \_\_\_\_\_  
PAGE # \_\_\_\_\_  
# OF PAGES \_\_\_\_\_

referred to as the Grantor,  
AND  
THE HADDAD APPAREL GROUP, LTD., a corporation of the State of New York  
whose post office address is 90 East Fifth Street, Bayonne, New Jersey 07002

referred to as the Grantee.  
The words "Grantor" and "Grantee" shall mean all Grantors and all Grantees listed above.

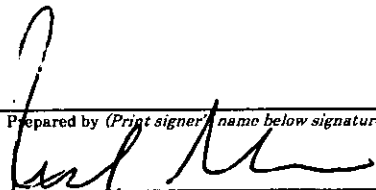
1. **Transfer of Ownership.** The Grantor grants and conveys (transfers ownership of) the property (called the "Property") described below to the Grantee. This transfer is made for the sum of **TEN MILLION THREE HUNDRED SIXTY-EIGHT and 00/100 (\$10,368,000.00) DOLLARS**  
The Grantor acknowledges receipt of this money.

2. **Tax Map Reference (N.J.S.A. 46.15-1.1) Municipality of South Brunswick**  
Block No. 12.01, Lot No. 15.06, Qualifier No. \_\_\_\_\_, Account No. \_\_\_\_\_  
\*\*\*IF No Number Available\*\*\* No property tax identification number is available on the date of this Deed. (Check Box if Applicable)

3. **Property** The Property consists of the land and all the building and structures on the land in the Township of South Brunswick County of Middlesex and State of New Jersey. The legal description is:  
 Please see attached Legal Description annexed hereto and made part hereof. (Check Box if Applicable)

Being the same premises conveyed to the Grantor herein by Deed dated May 1, 2001, made by Herrod Realty L.L.C., d/b/a Industrial Herrod L.L.C., a Delaware Limited Liability Company, which Deed was recorded in the Middlesex County Clerk's Office on May 3, 2001 in Deed Book 4903, page 317.

Subject to easements, restrictions of record, if any, and such state of facts as an accurate survey may disclose.

Prepared by (Print signer name below signature)  
  
Richard R. Kahn, Esq.  
(For Recordors Use Only)

The street address of the Property is: 231 Herrod Boulevard, South Brunswick, New Jersey

4. **Promises by Grantor.** The Grantor promises that the Grantor has done no act to encumber the Property. This promise is called a "Covenant as to grantor's acts" (N.J.S.A. 46:4-6). This promise means that the Grantor has not allowed anyone else to obtain any legal rights which affect the Property (such as by making a mortgage or allowing a judgment to be entered against the Grantor).

5. **Signatures.** This Deed is signed and attested to by the Grantor's proper corporate officer as of the date at the top of the first page. (Print name below each signature.)

TMT HERROD BRUNSWICK, INC.

By: Jean-Marie Murphy  
Jean-Marie Murphy, President

Connecticut Fairfield  
STATE OF ~~NEW YORK~~, COUNTY OF ~~WESTCHESTER~~SS:  
I CERTIFY that on December 14, 2011  
JEAN-MARIE MURPHY

personally came before me and stated to my satisfaction that this person (or if more than one, each person):  
(a) was the maker of the attached Deed;  
(b) was authorized to and did execute this Deed as **President** of TMT HERROD BRUNSWICK, INC. the entity named in this Deed;  
(c) made this Deed for **\$10,368,000.00** as the full and actual consideration paid or to be paid for the transfer of title. (Such consideration is defined in N.J.S.A. 46:15-5); and  
(d) executed this Deed as the act of the entity.

RECORD AND RETURN TO:  
RICHARD R. KAHN, ESQ.  
WINNE BANTA HETHERINGTON BASRALIAN &  
KAHN, P.C.  
21 MAIN STREET, SUITE 101  
COURT PLAZA SOUTH  
HACKENSACK, NJ 07601

Darlene Melillo  
Darlene Melillo  
(NOTARY)  
Print name and title below signature



806311P0351

**SCHEDULE A**  
(continued)

File No. H11-0489

Policy No.

**LEGAL DESCRIPTION**

BEING known and designated as Lot 15-F in Block 12 as shown on a certain map entitled "Final Plat, South Brunswick Business Park" filed in the Middlesex County Clerk's Office on December 15, 1981 as Map No. 4438-968.

BEING more particularly described as follows:

BEGINNING at a point in the northwesterly line of Herrod Boulevard (variable foot right of way) distant 849.31 feet northeasterly from the corner formed by the intersection of the northwesterly line of Herrod Boulevard with the northeasterly line of Stults Road (63 foot right of way), both streets extended and running thence

- (1) North 61 degrees 59 minutes 00 seconds West a distance of 399.97 feet to a point; thence
- (2) South 28 degrees 01 minute 00 seconds West a distance of 150.00 feet to a point; thence
- (3) North 61 degrees 59 minutes 00 seconds West a distance of 796.62 feet to a point; thence
- (4) North 28 degrees 25 minutes 00 seconds East a distance of 770.00 feet to a point; thence
- (5) South 61 degrees 59 minutes 00 seconds East a distance of 1191.21 feet to said northwesterly line of Herrod Boulevard; thence
- (6) Along said northwesterly line of Herrod Boulevard, South 28 degrees 01 minute 00 seconds West a distance of 619.98 feet to the point and place of BEGINNING.

The above description being drawn in accordance with a survey prepared by William Held Associates, Inc., dated October 28, 2011, revised to December 2, 2011.

FOR INFORMATION PURPOSES ONLY: "In compliance with Chapter 157, Laws of 1977, premises herein is Lot 15.06 in Block 12.01 on the Township of South Brunswick Tax Map."





State of New Jersey  
**SELLER'S RESIDENCY CERTIFICATION/EXEMPTION**  
(C.55, P.L. 2004)

(Please Print or Type)

**SELLER(S) INFORMATION (See Instructions, Page 2)**

Name(s)

TMT HERROD BRUNSWICK, INC.

Current Resident Address:

Street: c/o Stockbridge, 445 Hamilton Avenue, Suite 403

City, Town, Post Office

White Plains

State

NY

Zip Code

10601

**PROPERTY INFORMATION (Brief Property Description)**

Block(s)

12.01

Lot(s)

15.06

Qualifier

Street Address:

231 Herrod Boulevard

City, Town, Post Office

South Brunswick

State

NJ

Zip Code

08852

Seller's Percentage of Ownership

100%

Consideration

\$10,368,000.00

Closing Date

12/15/11

**SELLER ASSURANCES (Check the Appropriate Box) (Boxes 2 through 8 apply to Residents and Non-residents)**

1.  I am a resident taxpayer (individual, estate, or trust) of the State of New Jersey pursuant to N.J.S.A. 54A:1-1 et seq. and will file a resident gross income tax return and pay any applicable taxes on any gain or income from the disposition of this property.
2.  The real property being sold or transferred is used exclusively as my principal residence within the meaning of section 121 of the federal Internal Revenue Code of 1986, 26 U.S.C. s. 121.
3.  I am a mortgagor conveying the mortgaged property to a mortgagee in foreclosure or in a transfer in lieu of foreclosure with no additional consideration.
4.  Seller, transferor or transferee is an agency or authority of the United States of America, an agency or authority of the State of New Jersey, the Federal National Mortgage Association, the Federal Home Loan Mortgage Corporation, the Government National Mortgage Association, or a private mortgage insurance company.
5.  Seller is not an individual, estate or trust and as such not required to make an estimated payment pursuant to N.J.S.A.54A:1-1 et seq.
6.  The total consideration for the property is \$1,000 or less and as such, the seller is not required to make an estimated payment pursuant to N.J.S.A. 54A:5-1-1 et seq.
7.  The gain from the sale will not be recognized for Federal income tax purposes under I.R.C. Section 721, 1031, 1033 or is a cemetery plot. (CIRCLE THE APPLICABLE SECTION). If such section does not ultimately apply to this transaction, the seller acknowledges the obligation to file a New Jersey income tax return for the year of the sale (see instructions).  
 No non-like kind property received.
8.  Transfer by an executor or administrator of a decedent to a devisee or heir to effect distribution of the decedent's estate in accordance with the provisions of the decedent's will or the intestate laws of this state.

**SELLER(S) DECLARATION**

The undersigned understands that this declaration and its contents may be disclosed or provided to the New Jersey Division of Taxation and that any false statement contained herein could be punished by fine, imprisonment, or both. I furthermore declare that I have examined this declaration and, to the best of my knowledge and belief, it is true, correct and complete. By checking this box  I certify that the Power of Attorney to represent the seller(s) has been previously recorded or is being recorded simultaneously with the deed to which this form is attached.

December 14, 2011

Date

*Jean-Marie Murphy*  
Jean-Marie Murphy, President

(Seller) Please indicate if Power of Attorney or Attorney in Fact

Date

Signature

(Seller) Please indicate if Power of Attorney or Attorney in Fact

B06311P0353

STATE OF NEW JERSEY
AFFIDAVIT OF CONSIDERATION FOR USE BY SELLER
(Chapter 49, P.L. 1968, as amended through Chapter 33, P.L. 2006) (N.J.S.A. 46:15-5 et seq.)
BEFORE COMPLETING THIS AFFIDAVIT, PLEASE READ THE INSTRUCTIONS ON THE REVERSE SIDE OF THIS FORM.

STATE OF NEW YORK

COUNTY WESTCHESTER

SS. County Municipal Code
1221

FOR RECORDER'S USE ONLY
Consideration \$
RTF paid by seller \$
Date By

MUNICIPALITY OF PROPERTY LOCATION South Brunswick

\*Use symbol "C" to indicate that fee is exclusively for county use.

(1) PARTY OR LEGAL REPRESENTATIVE (Instructions #3 and #4 on reverse side)

Deponent, Jean-Marie Murphy, being duly sworn according to law upon his/her oath, deposes and says that he/she is the President of Grantor in a deed dated December 14, 2011 transferring real property identified as Block number 12.01 Lot number 15.06 located at 231 Herrod Boulevard, South Brunswick, NJ

(2) CONSIDERATION \$10,368,000.00 (Instructions #1 and #5 on reverse side) no prior mortgage to which property is subject.

(3) Property transferred is Class 4A 4C (circle one). If property transferred is Class 4A, calculation in Section 3A below is required.

(3A) REQUIRED CALCULATION OF EQUALIZED VALUATION FOR ALL CLASS 4A (COMMERCIAL) PROPERTY TRANSACTIONS:
Total Assessed Valuation + Director's Ratio = Equalized Assessed Valuation
\$ + % = \$
If Director's Ratio is less than 100%, the equalized valuation will be an amount greater than the assessed value. If Director's Ratio is equal to or in excess of 100%, the assessed value will be equal to the equalized valuation.

(4) FULL EXEMPTION FROM FEE (Instruction #8 on reverse side)
Deponent states that this deed transaction is fully exempt from the Realty Transfer Fee imposed by C. 49, P.L. 1968, as amended through C. 66, P.L. 2004, for the following reason(s). Mere reference to exemption symbol is insufficient. Explain in detail.

(5) PARTIAL EXEMPTION FROM FEE (Instruction #9 on reverse side)
NOTE: All boxes below apply to grantor(s) only. ALL BOXES IN APPROPRIATE CATEGORY MUST BE CHECKED. Failure to do so will void claim for partial exemption. Deponent claims that this deed transaction is exempt from State portions of the Basic, Supplemental, and General Purpose Fees, as applicable, imposed by C. 176, P.L. 1975, C. 113, P.L. 2004, and C. 66, P.L. 2004 for the following reason(s):

- A. SENIOR CITIZEN Grantor(s) 62 years of age or over.
B. BLIND PERSON Grantor(s) legally blind or;
DISABLED PERSON Grantor(s) permanently and totally disabled receiving disability payments not gainfully employed

Senior citizens, blind persons, or disabled persons must also meet all of the following criteria:
Owned and occupied by grantor(s) at time of sale. Resident of State of New Jersey.
One or two-family residential premises. Owners as joint tenants must all qualify.

\*IN CASE OF HUSBAND AND WIFE, PARTNERS IN A CIVIL UNION COUPLE, ONLY ONE GRANTOR NEED QUALIFY IF TENANTS BY THE ENTIRETY.

- C. LOW AND MODERATE INCOME HOUSING (Instruction #9 on reverse side)
Affordable according to H.U.D. standards. Reserved for occupancy.
Meets income requirements of region. Subject to resale controls.

(6) NEW CONSTRUCTION (Instructions #2, #10, #12 on reverse side)
Entirely new improvement. Not previously occupied.
Not previously used for any purpose. \*NEW CONSTRUCTION\* printed clearly at top of first page of the deed.

(7) RELATED LEGAL ENTITIES TO LEGAL ENTITIES (Instructions #5, #12, #14 on reverse side)
No prior mortgage assumed or to which property is subject at time of sale.
No contributions to capital by either grantor or grantee legal entity.
No stock or money exchanged by or between grantor or grantee legal entities.

(8) Deponent makes this Affidavit to induce county clerk or register of deeds to record the deed and accept the fee submitted herewith in accordance with the provisions of Chapter 49, P.L. 1968, as amended through Chapter 33, P.L. 2006.

Subscribed and sworn to before me this 14th day of Dec, 20 11

Notary signature and name: Darlene L. McKillop

Signature of Deponent: Jean-Marie Murphy
Grantor Name: TMT Herrod Brunswick, Inc.
Deponent Address: c/o 445 Hamilton Ave., White Plains, NY 10601
Last three digits in Grantor's Social Security Number: 132
Name/Company of Settlement Officer: Lawrence Moss, Esq.



FOR OFFICIAL USE ONLY
Instrument Number County
Deed Number Book Page
Deed Dated Date Recorded

County recording officers shall forward one copy of each RTF-1 form when Section 3A is completed to: STATE OF NEW JERSEY
PO BOX 251
TRENTON, NJ 08695-0251
ATTENTION: REALTY TRANSFER FEE UNIT

The Director of the Division of Taxation in the Department of the Treasury has prescribed this form as required by law, and it may not be altered or amended without prior approval of the Director. For information on the Realty Transfer Fee or to print a copy of this Affidavit, visit the Division's website at: www.state.nj.us/treasury/taxation/lpt/localtax.shtml.

B06311P0354

MUST SUBMIT IN DUPLICATE

**AFFIDAVIT OF CONSIDERATION FOR USE BY BUYER**

(Chapter 49, P.L.1968, as amended through Chapter 33, P.L. 2006) (N.J.S.A. 46:15-5 et seq.)

**PLEASE READ THE INSTRUCTIONS ON THE REVERSE SIDE OF THIS FORM BEFORE COMPLETING THIS AFFIDAVIT**

STATE OF NEW JERSEY

COUNTY BERGEN } SS. County Municipal Code 1221

FOR RECORDER'S USE ONLY	
Consideration	\$ _____
RTF paid by buyer	\$ _____
Date _____	By _____

MUNICIPALITY OF PROPERTY LOCATION South Brunswick

(1) PARTY OR LEGAL REPRESENTATIVE (See Instructions #3 and #4 on reverse side) XXX-XX-X 616  
Last three digits in grantee's Social Security Number  
Deponent, Marc Weintraub, being duly sworn according to law upon his/her oath,

(Name)  
deposes and says that he/she is the corporate officer in a deed dated December 2011 transferring  
(Grantee, Legal Representative, Corporate Officer, Officer of Title Company, Lending Institution, etc.)  
real property identified as Block number 12.01 Lot number 15.06 located at  
231 Herrod Boulevard, South Brunswick, NJ and annexed thereto.  
(Street Address, Town)

(2) CONSIDERATION \$ 10,368,000.00 (See Instructions #1, #5, and #11 on reverse side)

Entire consideration is in excess of \$1,000,000:

PROPERTY CLASSIFICATION CHECKED OR CIRCLED BELOW IS TAKEN FROM OFFICIAL ASSESSMENT LIST (A PUBLIC RECORD) OF MUNICIPALITY WHERE THE REAL PROPERTY IS LOCATED IN THE YEAR OF TRANSFER. REFER TO N.J.A.C. 18:12-2.2 ET SEQ.

(A) Grantee required to remit the 1% fee, complete (A) by checking off appropriate box or boxes below.

- Class 2 - Residential
- Class 3A - Farm property (Regular) and any other real property transferred to same grantee in conjunction with transfer of Class 3A property
- Class 4A - Commercial properties (if checked, calculation in (E) required below)
- Cooperative unit (four families or less) (See C. 46:8D-3.) Cooperative units are Class 4C.

(B) Grantee is not required to remit 1% fee (one or more of following classes being conveyed), complete (B) by checking off appropriate box or boxes below.

- Property class. Circle applicable class or classes: 1 3B 4B 4C 15
- Property classes: 1-Vacant Land; 3B- Farm property (Qualified); 4B- Industrial properties; 4C- Apartments; 15- Public Property, etc. (N.J.A.C. 18:12-2.2 et seq.)
- Exempt organization determined by federal Internal Revenue Service/Internal Revenue Code of 1986, 26 U.S.C. s. 501.
- Incidental to corporate merger or acquisition; equalized assessed valuation less than 20% of total value of all assets exchanged in merger or acquisition. If checked, calculation in (E) required and **MUST ATTACH COMPLETED RTF-4.**

(C) When grantee transfers properties involving block(s) and lot(s) of two or more classes in one deed, one or more subject to the 1% fee (A), with one or more than one not subject to the 1% fee (B), pursuant to N.J.S.A. 46:15-7.2, complete (C) by checking off appropriate box or boxes and (D).

- Property class. Circle applicable class or classes: 1 2 3B 4A 4B 4C 15

(D) EQUALIZED VALUE CALCULATION FOR ALL PROPERTIES CONVEYED, WHETHER THE 1% FEE APPLIES OR DOES NOT APPLY

Total Assessed Valuation + Director's Ratio = Equalized Valuation

Property Class <u>4B</u>	\$ <u>7,257,000.00</u>	+ <u>45.27</u> % = \$ <u>16,030,483.76</u>
Property Class _____	\$ _____	+ _____ % = \$ _____
Property Class _____	\$ _____	+ _____ % = \$ _____
Property Class _____	\$ _____	+ _____ % = \$ _____

(E) REQUIRED EQUALIZED VALUE CALCULATION FOR ALL CLASS 4A (COMMERCIAL) PROPERTY TRANSACTIONS: (See Instructions #6 and #7 on reverse side)

Total Assessed Valuation ÷ Director's Ratio = Equalized Value

\$ \_\_\_\_\_ ÷ \_\_\_\_\_ % = \$ \_\_\_\_\_

If Director's Ratio is less than 100%, the equalized valuation will be an amount greater than the assessed valuation. If Director's Ratio is equal to or exceeds 100%, the assessed valuation will be equal to the equalized value.

(3) TOTAL EXEMPTION FROM FEE (See Instruction #8 on reverse side)

Deponent states that this deed transaction is fully exempt from the Realty Transfer Fee imposed by C. 49, P.L. 1968, as amended through Chapter 33, P.L. 2006, for the following reason(s). Mere reference to exemption symbol is insufficient. Explain in detail.

(4) Deponent makes Affidavit of Consideration for Use by Buyer to induce county clerk or register of deeds to record the deed and accept the fee submitted herewith pursuant to the provisions of Chapter 49, P.L. 1968, as amended through Chapter 33, P.L. 2006.

Subscribed and sworn to before me this 15<sup>th</sup> day of Dec. , 20 11

Marc Weintraub  
Signature of Deponent  
Marc Weintraub  
90 E. 5th St., Bayonne, NJ 07002  
Deponent Address

The Haddad Apparel Group, Inc.  
Grantee Name  
90 E. 5th St., Bayonne, NJ 07002  
Grantee Address at Time of Sale

Cindy J. Jackson  
CINDY J. JACKSON  
County Public of New Jersey  
my Commission Expires 3/27/2014

Wine Banta  
Name/Company of Settlement Officer

County recording officers: forward one copy of each RTF-1EE to:

STATE OF NJ - DIVISION OF TAXATION  
PO BOX 251  
TRENTON, NJ 08695-0251  
ATTENTION: REALTY TRANSFER FEE UNIT

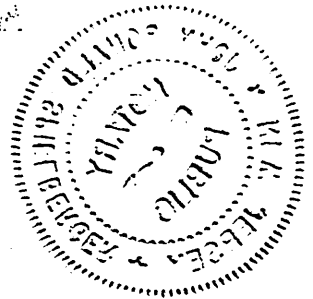
FOR OFFICIAL USE ONLY	
Instrument Number _____	County _____
Deed Number _____	Book _____ Page _____
Deed Dated _____	Date Recorded _____

The Director, Division of Taxation, Department of the Treasury has prescribed this form, as required by law. It may not be altered or amended without prior approval of the Director. For further information on the Realty Transfer Fee or to print a copy of this Affidavit or any other relevant forms, visit:

[www.state.nj.us/treasury/taxation/lpt/localtax.shtml](http://www.state.nj.us/treasury/taxation/lpt/localtax.shtml)

806311P0355

RECEIVED  
FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
WASHINGTON, D. C.



Attachment 3-  
Structural Suitability- Substantiating Evidence



## Design Data Summary Sheet

Solar Expansion for Building at 231 Herrod Blvd., Dayton, NJ

Page 1  
J. Marx  
2/11/2016  
Rev 1/12/2021

### A. Existing Drawing Information

1. Building steel joists – exist. drawings not available – site measurements by J. Marx.

### B. Design Loads for Building

1. Governing Design Code

Governing Building Code: IBC Building Code Year: 2018  
Occupancy Category: II (Std. Occupancy)

2. Roof Live Load

Existing Live Load Est. (LL) = 30 pounds per square foot (psf)

Where solar modules are located there will be no roof live load.

3. Roof Snow Load

Roof Snow Load with Solar Photovoltaic (PV) modules

Snow Load Coefficient ( $C_e$ ) = 1.0

Thermal Factor ( $C_t$ ) = 1.1

Snow Importance Factor ( $I_s$ ) = 1.0

Ground Snow Load ( $P_g$ ) = 25 psf

Roof Snow Load  $P_f = 0.7 * C_e * C_t * I_s * P_g = 19.25$  psf

ASCE 7-16 Min. Flat Roof = 20 psf

Roof Snow Load (SL) = 20 psf

4. Wind Load

Wind Exposure Category: B

Wind Velocity Pressure Exposure Coef. ( $K_z$ ): 0.81

Wind Topographic Factor ( $K_{zt}$ ) = 1.0

Wind Directionality Factor ( $K_d$ ) = 0.85

Wind Velocity ( $V$ ) miles per hour = 114

Building Wind Load ( $q_z$ ) =  $0.00256 * K_z * K_{zt} * K_d * V^2 * 0.6 = 12.90$  psf (ASD)

Wind Pressure Coefficients and the design pressures shall be applied per ASCE 7-16

Solar Expansion for Building at 231 Herrod Blvd.

5. Dead Load

Existing (DL) Building System Weight of Roofing, Insulation & Joist Framing and  
Collateral Load = 21 psf  
Contingency = 3 psf  
Total Dead Weight (DL) = 24 psf

Solar PV panel weight = < 7.0 psf

6. Load Combinations

Load combination used to design roof framing structural members:

New SL 20 # + PV 7 # + DL 24 # = 51 psf < Existing Capacity

Existing LL 30 # + DL 21 # = 51.0 psf

Existing Capacity = > 55 psf

7. Conclusion

The existing building structure is adequate to support the additional 7.0 psf of PV system.



1/12/21  
Page 15 of 2

James A. Marx, Jr.

Professional Engineer

NJ Professional Engineer License No. GE 25179

## Attachment 4

Proof of the Designation of the Area as Being in Need of  
Redevelopment from A Municipal, County, or State Entity

Screenshot of the Map of the Redevelopment Zone

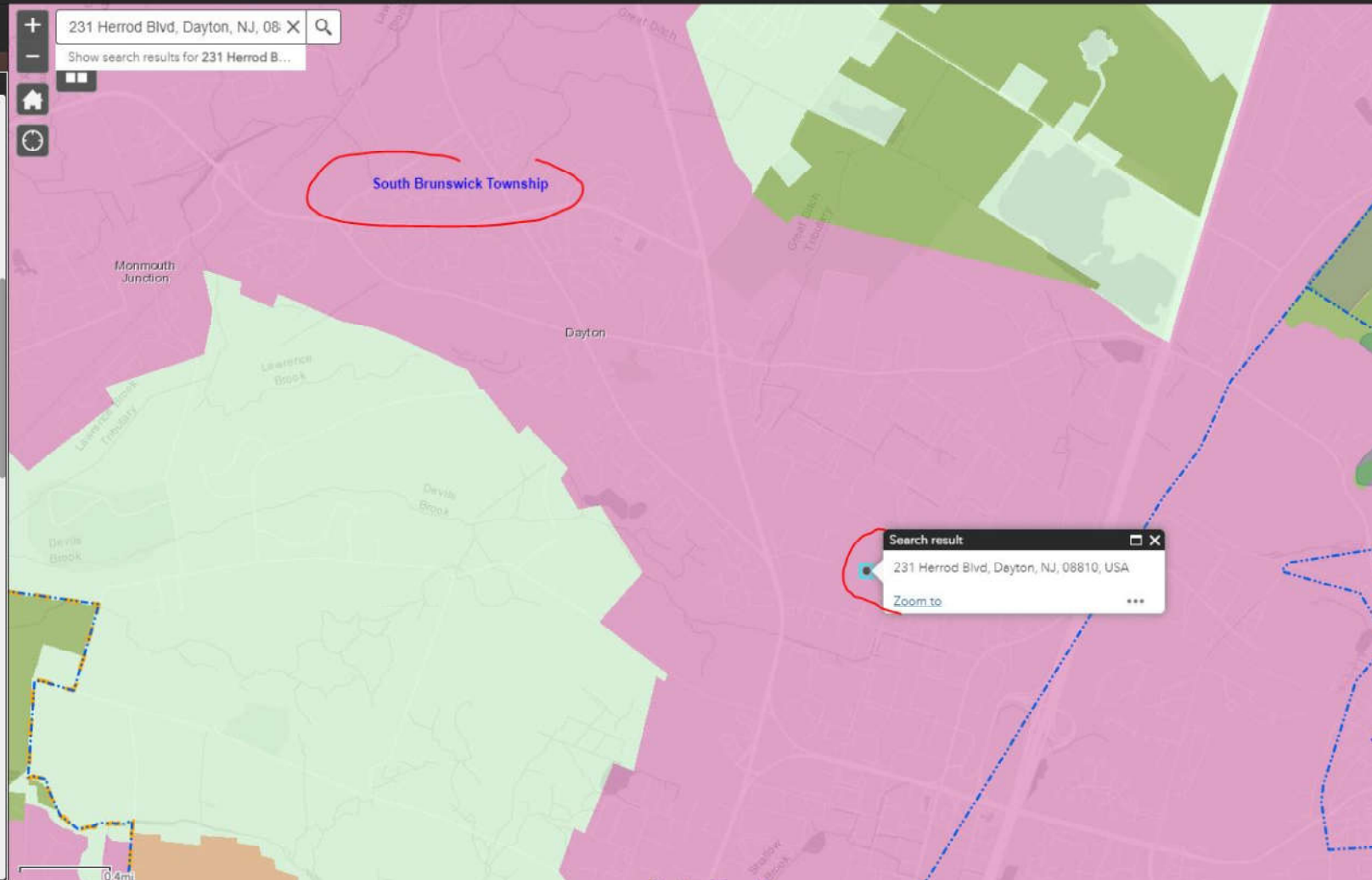
Marking that the adject townships have significant LMI  
populations

New Jersey Department of State Office of Planning Advocacy Locator Map Featuring the NJ State Development & Redevelopment Plan

231 Herrod Blvd, Dayton, NJ, 08810 X

Show search results for 231 Herrod B...

- Layer List
- NJ Pinelands Area Boundary ...
  - NJ Pinelands Area
  - Highlands Preservation Area Boundary ...
  - Critical Environmental and Historic Sites of the NJ State Plan ...
  - Planning Area Boundaries of the State Development and Redevelopment Plan ...
  - Metropolitan Planning Area
  - Suburban Planning Area
  - Fringe Planning Area
  - Rural Planning Area
  - Rural/Env. Sensitive Pl. Area
  - Env. Sensitive Planning Area
  - Env. Sens./Barrier Isl. Pl. Area
  - Parks & Natural Areas
  - Hackensack Meadowlands
  - Water
  - Military Installations
  - Smart Growth Area Boundaries ...
  - N
  - Y
  - Passenger Rail Stations ...





231 Herrod Blvd, Dayton, NJ, 08810 X

Show search results for 231 Herrod B...

**Legend**

**Countries**

- Minority
- Low Income and Minority
- Low Income
- Low Income, Minority, and Limited English
- Low Income and Limited English
- Minority and Limited English

**Municipalities (using Census County Subdivision data) with any part designated an Overburdened**

Neighboring LMI communities

**Search result**

231 Herrod Blvd, Dayton, NJ, 08810, USA

[Zoom to](#)

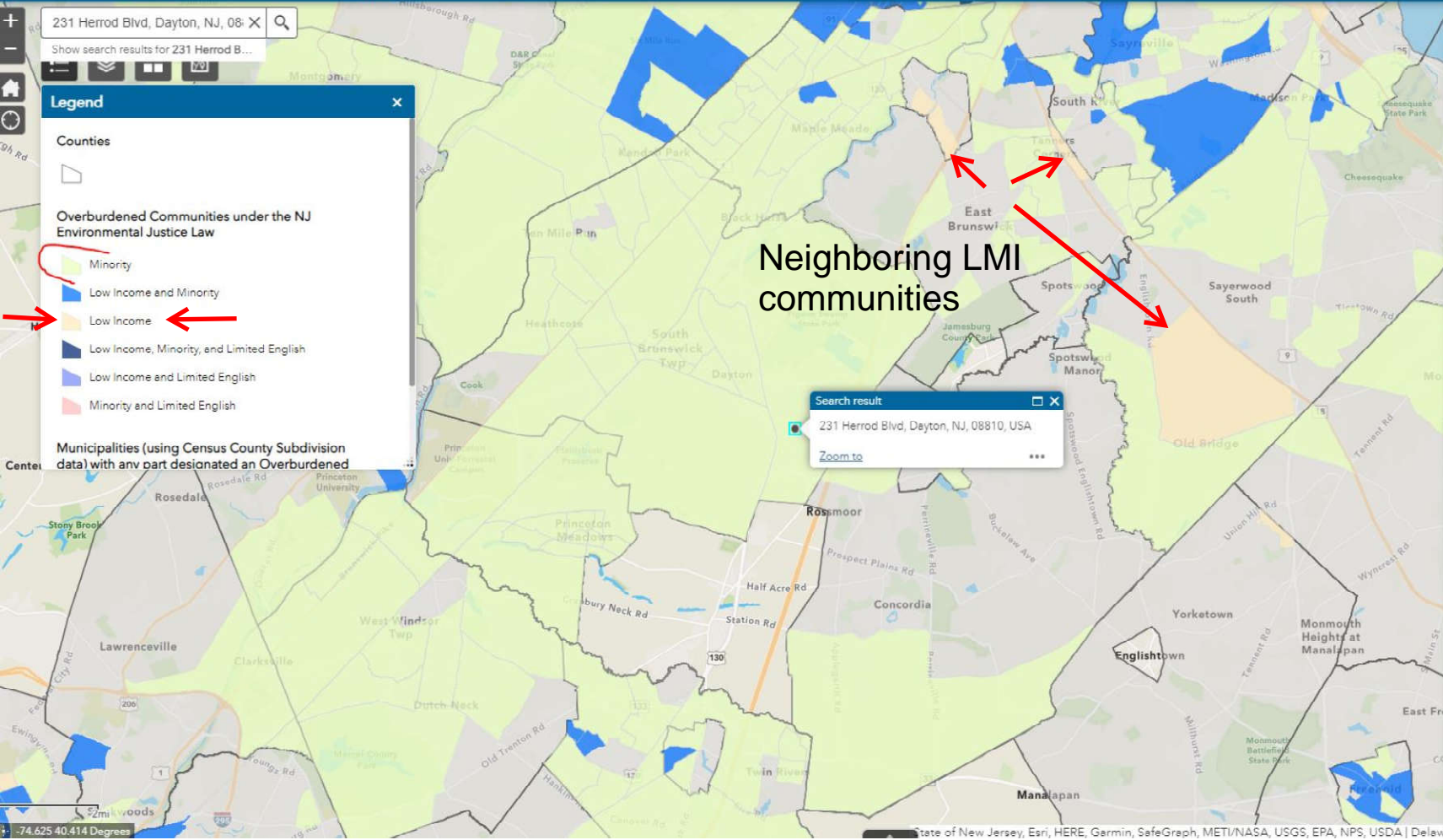


Signed into law by Governor Phil Murphy on September 18, 2020, New Jersey's groundbreaking Environmental Justice Law, N.J.S.A. 13:1D-157, (Law) requires the New Jersey Department of Environmental Protection (NJDEP) to evaluate the contributions of certain facilities to existing environmental and public health stressors in overburdened communities when reviewing certain permit applications.

Pursuant to the Law, the Legislature designated an overburdened community as any census block group, as determined in accordance with the most recent United States Census, in which: (1) at least 35 percent of the households qualify as low-income households (at or below twice the poverty threshold as determined by the United States Census Bureau); (2) at least 40 percent of the residents identify as minority or as members of a State recognized tribal community; or (3) at least 40 percent of the households have limited English proficiency (without an adult that speaks English "very well" according to the United States Census Bureau).

This interactive mapping tool allows users to view the overburdened communities, the criteria each block group meets, and the municipality for which the overburdened community is designated in accordance with the New Jersey Environmental Justice Law, N.J.S.A. 13:1D-157, as well as query addresses to determine if they are within an overburdened community.

Please note: The boundary information in the shapefiles used are for statistical data collection and tabulation purposes only; their depiction and designation does not constitute a determination of jurisdictional authority or rights of ownership or entitlement and they are not legal land descriptions. Due to minor inconsistencies between census data





## Attachment 5

### Copy of The Completed Permit Readiness Checklist

The Herrod Community Project does not need to submit a Permit Readiness Checklist to the NJDEP, as the solar is sited on a rooftop. For the sake of Application completeness the Checklist is attached

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF PERMITTING & PROJECT NAVIGATION  
**PERMIT READINESS CHECKLIST**

Completion of this form will assist the Department in determining what permits might be needed to authorize a project and to ensure that all appropriate programs attend a pre-application meeting. Please fill out the below form as completely as possible, noting any areas you are not sure of and including any information about the project and the site that might help the Department determine the permitting needs of the project.<sup>1</sup>

1. Please complete the following questions if applicable and return to the Department with a **1 to 2-page narrative description of project, its function, and its benefits; as well as a site plan, maps, aerial photos, GIS shape files, etc.**

**A. GENERAL INFORMATION**

1. Name of Proposed Project \_\_\_
2. Consultant/Contact Information (if any) \_\_\_
3. Name/Address of Prospective Applicant \_\_\_  
Address/tel./fax \_\_\_  
Company Name \_\_\_  
Address/tel./fax \_\_\_

Does the applicant own the property? \_\_\_\_\_

If the applicant is not the property owner, please provide contact information for the property owner and evidence of having property owner permission to use the property for the proposed project. \_\_\_\_\_

4. Does the project have any existing NJDEP ID#s assigned? (i.e., Case number, Program Interest (PI)#, Program ID#) \_\_\_\_\_ If yes, please provide \_\_\_\_\_

**B. PROPOSED PROJECT LOCATION**

Street Address/munic. \_\_\_  
County \_\_\_ Zip Code \_\_\_  
Block No. \_\_\_ Lot No. \_\_\_  
X Coordinate in State Plane (project centroid) \_\_\_  
Y Coordinate in State Plane (project centroid) \_\_\_

<sup>1</sup> Please be advised that this form is not a permit application. To receive authorization, approval, or a permit to conduct regulated activities, a formal application must be filed, and a formal permit or authorization issued by the appropriate Bureau within the Department prior to the conduct of regulated activity. This form is used solely for the Department's preliminary review and discussion of this project to determine what permits or authorizations may be needed to conduct the proposed activity. Any guidance offered to the applicant during this process is not binding on the Department or the applicant and a final response can only be rendered through the actual issuance of permits, approvals, or authorizations.

**C. PROPOSED ACTIVITY DESCRIPTION AND SCHEDULE**

1. Project Type: \_\_\_ New Construction \_\_\_ Brownfield Redevelop. \_\_\_  
Alternative Energy \_\_\_ Other (Please describe) \_\_\_
- a) Estimated Schedule: Date permits needed or desired by, beginning construction date; construction completion, and operation of facility date: \_\_\_
  - b) Funding Source: Is any Federal Funding being used for this project? \_\_\_  
State Funding over 1 million dollars? \_\_\_  
Is funding secured at this time? \_\_\_ Is funding conditional? \_\_\_ If so, on what? \_\_\_
  - c) Is the project contingent on receiving the identified funding? \_\_\_  
If yes, explain \_\_\_
  - d) What DEP permits do you think you need for this project? (The Department will confirm this through the PRC process). \_\_\_
2. For additional guidance on Department permits, please refer to the New Jersey Department of Environmental Protection's website at <https://www.nj.gov/dep/>
- a) Which Department(s), Bureau(s), and staff have you contacted regarding your proposed project? \_\_\_\_\_
  - b) Are there any Department permits that will need to be modified as a result of this project? Please explain and identify the project reviewer of the permit to be modified.  
\_\_\_\_\_
  - c) Please identify any pre-permit actions or modifications you have applied for or obtained from the Department or other state agencies for this project:
    - 1) Water Quality Management Plan consistency \_\_\_\_\_
    - 2) Highlands Consistency \_\_\_\_\_
    - 3) Wetland Delineation (LOI) \_\_\_\_\_
    - 4) Tidelands Conveyance \_\_\_\_\_
    - 5) Flood Hazard Jurisdiction or determinations \_\_\_\_\_
    - 6) Water Allocation \_\_\_\_\_
    - 7) Site Remediation RAW, Remedial Action Permit – Soil and or Groundwater, NJPDES Discharge to Ground Water, NJPDES Discharge to Surface Water, No Further Action Response Action Outcome \_\_\_\_\_
    - 8) Landfill Disruption Approval \_\_\_\_\_
    - 9) Landfill Closure Plan \_\_\_\_\_
    - 10) Other \_\_\_\_\_
3. Please submit this Permit Readiness Checklist form, completed to the extent possible, electronically to [Megan.Brunatti@dep.nj.gov](mailto:Megan.Brunatti@dep.nj.gov) and [David.Pepe@dep.nj.gov](mailto:David.Pepe@dep.nj.gov) and one (1) copy via mail<sup>2</sup> with the following items if available:
- (a) The completed Permit Readiness Checklist;

---

<sup>2</sup> Submit to New Jersey Department of Environmental Protection  
Office of Permitting and Project Navigation  
P.O. Box 420, Mail Code 07J  
Trenton, New Jersey 08625  
Street Location: 401 East State Street, 7<sup>th</sup> Floor  
Telephone Number:(609) 292-3600

- (b) A description of the proposed project;
- (c) Any overarching regulatory or policy call(s) or guidance that the Department must make or make known prior to the receipt of the application to determine the project's feasibility, regulatory, or review process.
- (d) USGS map(s) with the site of the proposed project site boundaries clearly delineated (including the title of the USGS quadrangle sheet from which it was taken)<sup>3</sup>;
- (e) Aerial photos/GIS information regarding the site;
- (f) A site map including any known environmental features (wetlands, streams, buffers, etc<sup>4</sup>);
- (g) Site plans to the extent available;
- (h) Street map indicating the location of the proposed project;
- (i) Any other information that you think may be helpful to the Department in reviewing this project.
- (j) List of any local or regional governments or entities, their historical involvement in this project or site, identification of conflicts with DEP rules, with contact names and information whose attendance/input would be helpful in facilitating this project, ie Soil Conservation Districts, health departments, local zoning officials, etc.

D. The following are questions designed to guide the Department in its determination of what permits may be needed to authorize this project. If the questions do not apply to the proposed project, please indicate N/A. Please include any other information you think may be helpful for the Department to determine which permits are needed.

#### **NATURAL AND HISTORIC RESOURCES (609) 292-3541**

Is any portion of the project site on land owned or administered by the NJDEP? \_\_\_\_\_

If yes, please visit

[https://www.nj.gov/dep/greenacres/pdf/Request\\_to\\_Use\\_NJDEP\\_Property\\_2019.pdf](https://www.nj.gov/dep/greenacres/pdf/Request_to_Use_NJDEP_Property_2019.pdf) for information on initiating a request to use NJDEP property. The submission of a request to use NJDEP property is a prerequisite to the scheduling of a pre-application meeting.

**Green Acres Program (609) 984-0631**

<http://www.nj.gov/dep/greenacres>

Is any part of the project site on land that is subject to a Green Acres restriction? \_\_\_\_\_ If yes, please describe. \_\_\_\_\_

Does the project require the use of property funded with federal Land and Water Conservation Funding? \_\_\_\_\_ If yes, please describe. \_\_\_\_\_

Does the project include activities that are under the jurisdiction of the Watershed Property Review Board? \_\_\_\_\_ If yes, please describe. \_\_\_\_\_

Has the Watershed Property Review Board made a jurisdictional determination for the project site? \_\_\_\_\_

<sup>3</sup> USGS maps may be purchased from NJDEP, Maps and Publications, P.O. Box 420, Trenton 08625-0420; (609) 777-1038

<sup>4</sup> NJGIS information

**Office of Leases & Concessions: 609-633-7860**

Is the temporary use of DEP lands administered by the Divisions of Parks & Forestry and/or Fish & Wildlife required for pre-construction, construction and/or post construction activities? \_\_\_\_\_  
If yes, please describe. \_\_\_\_\_

**Division of Parks and Forestry: State Forestry Services (609) 292-2520**  
<http://www.nj.gov/dep/parksandforests/forest>

Forest clearing activities/No Net Loss Reforestation Act

Will construction of the project result in the clearing of 1/2 acres or more of forested lands owned or maintained by a State entity? \_\_\_\_\_  
If so, how many acres? \_\_\_\_\_

**State Historic Preservation Office – SHPO (609) 984-0176**  
<https://www.nj.gov/dep/hpo/>

Is the site a Historic Site or district on or eligible for the State or National registry? \_\_\_\_\_  
Will there be impacts to buildings over 50 years old? \_\_\_\_\_  
Are there known or mapped archeological resources on the site? \_\_\_\_\_

**Division of Fish and Wildlife (609) 292-2965**  
<http://www.nj.gov/dep/fgw>

Will there be any shut off or drawdown of a pond or a stream? \_\_\_\_\_

Threatened and Endangered Species Program

Are there records of any Threatened and Endangered species, plant, or animal in this project area? \_\_\_\_\_

Will the proposed development affect any areas identified as habitat for Threatened or Endangered Species? \_\_\_\_\_

**DIVISION OF LAND RESOURCE PROTECTION (609) 777-0454**  
<http://www.nj.gov/dep/landuse>

Does the project involve development at or near, or impacts to the following; describe the type and extent of development in regard to location and impacts to regulated features:

Water courses (streams) \_\_\_\_\_

State Open Waters? \_\_\_\_\_

Freshwater Wetlands and/or freshwater wetland transition areas? \_\_\_\_\_

Flood Hazard areas and/or riparian buffers \_\_\_\_\_

Waterfront development areas \_\_\_\_\_

Tidally Flowed Areas \_\_\_\_\_

Bureau of Tidelands Management: \_\_\_\_\_





[http://www.nj.gov/dep/landuse/tl\\_main.html](http://www.nj.gov/dep/landuse/tl_main.html)

The CAFRA Planning Area? \_\_\_\_\_

<https://www.nj.gov/dep/gis/geoweb splash.htm>

**SITE REMEDIATION & WASTE MANAGEMENT PROGRAM (609) 292-1250**

**<http://www.nj.gov/dep/srp/>**

**Site Remediation (609) 292-1251**

Is the project located on or adjacent to a known or suspected contaminated site? \_\_\_\_\_

<http://www.nj.gov/dep/srp/kcsnj/>

Is the project within a designated Brownfield Development Area? \_\_\_\_\_

<http://www.nj.gov/dep/srp/brownfields/bda/index.html>

Has a No Further Action Letter or Response Action Outcome been issued for the entire project area?  
\_\_\_\_\_

Were any engineering or institutional controls implemented as part of a remedial action for discharges at the site? What is the status as to compliance with the biennial certification requirements and a remedial action permit, if applicable? \_\_\_\_\_

What is the current status of the remediation for other areas of concern for which a No Further Action Letter or a Response Action Outcome has not been issued? (Please include remedial phase, media affected, contaminant(s) of concern and whether the contamination is on or offsite.) \_\_\_\_\_

Name of current SRP Case Manager or Licensed Site Remediation Professional and Preferred Identification (PI) Number \_\_\_\_\_

Is the applicant a responsible party for discharges at the site? \_\_\_\_\_

Upon taking title to the site, would the applicant become either a responsible party for contamination at the site or a person responsible for conducting the remediation? \_\_\_\_\_

Has the remedial status of this site triggered Direct Oversight pursuant to N.J.S.A. 58:10C-27 and N.J.A.C. 7:26C-14, and if so, has the applicant complied or how does the applicant intend to comply?  
\_\_\_\_\_

**Solid and Hazardous Waste Management (609) 633-1418**

**<http://www.nj.gov/dep/dshw/>**

Does the project receive, utilize, or transport solid or hazardous wastes? \_\_\_\_\_

Will the project involve the disposing of hazardous Substances per 40 CFR part 261 and NJAC 7:26?  
\_\_\_\_\_

Will the project include operation of a solid waste facility according to N.J.A.C. 7:26-1-et seq.? \_\_\_\_\_

Is the project a solid waste facility or recycling center? \_\_\_\_\_

Is the project included in the appropriate county Solid Waste Management Plan? \_\_\_\_\_ Explain \_\_\_\_\_

Is the project located on a landfill that will be redeveloped for human occupancy? \_\_\_\_\_ If yes, is there an approved Landfill Closure Plan? \_\_\_\_\_

**WATER RESOURCE MANAGEMENT (609) 292-4543**

**DIVISION OF WATER QUALITY (609) 292-4396**

**Surface Water Permitting (609) 292-4860**

<http://www.nj.gov/dep/dwq/swp.htm>

Will this wastewater facility discharge to Surface Water? \_\_\_\_\_ Yes/No \_\_\_\_\_  
If yes, state the name of the proposed receiving stream \_\_\_\_\_

Describe the proposed discharge of wastewater to Surface Water \_\_\_\_\_

If no, how is the wastewater proposed to be discharged (e.g., to be conveyed to another STP, Publicly Owned Treatment Works, etc. \_\_\_\_\_

**Non-Point Pollution Control (609) 633-7021**

[http://www.nj.gov/dep/dwq/bnpc\\_home.htm](http://www.nj.gov/dep/dwq/bnpc_home.htm)

The Bureau of Non-Point Pollution Control (BNPC) is responsible for protecting and preserving the state's groundwater resources through the issuance of NJPDES Discharge to Groundwater Permits and is responsible for permitting industrial facilities and municipalities under NJPDES for discharges of stormwater to waters of the State. This Program does not issue NJPDES-DGW permits for remediation operations.

**Groundwater Discharge**

1. Will the project/facility have a sanitary wastewater design flow which discharges to groundwater in excess of 2,000 gallons per day? \_\_\_\_\_
2. Will the project/facility generate a discharge to groundwater of industrial wastewater in any quantity? \_\_\_\_\_
3. Will the project/facility involve the discharge to groundwater by any of the following activities or structures, or include as part of the design any of these activities or structures? \_\_\_\_\_

Please indicate which:

Upland CDF (Dredge Spoils) Spray Irrigation \_\_\_\_\_  
Overland Flow Subsurface Disposal System (UIC) \_\_\_\_\_  
Landfill Infiltration/Percolation Lagoon \_\_\_\_\_  
Surface Impoundment \_\_\_\_\_

Please specify the source of wastewater for every structure identified above (e.g., sanitary wastewater to a subsurface disposal system or non-contact cooling water to a dry well): \_\_\_\_\_

Please specify lining materials for each lined structure identified as being used by the proposed project and give its permeability in cm/sec (e.g., 8-inch thick concrete lined

evaporation pond at 10-7 cm/sec): \_\_\_\_\_

Does your project/facility include an individual subsurface sewage disposal system design for a facility with a design flow less than 2,000 gallons per day which does not strictly conform to the State's standards? \_\_\_\_\_

Does your project involve 50 or more realty improvements? \_\_\_\_\_

**Stormwater Program (609) 633-7021**

<http://www.njstormwater.org/>

[https://www.nj.gov/dep/dwq/ispp\\_home.html](https://www.nj.gov/dep/dwq/ispp_home.html)

Will your site activity disturb more than one acre? \_\_\_\_\_

Will any industrial activity be conducted at the site where material is exposed to the rain or other elements? \_\_\_\_\_

Does your facility have an existing NJPDES permit for discharge of stormwater to surface groundwater? \_\_\_\_\_

Is your facility assigned one of the following Standard Industrial Classification (SIC) Codes? \_\_\_\_\_  
(To determine your SIC Code, see the box "Industry Code" on your New Jersey Department of Labor Quarterly Contribution Report.

**Pretreatment and Residuals program (609) 984-**

<https://www.nj.gov/dep/dwq/bpr.htm>

Will the project involve the discharge of industrial/commercial wastewater to a publicly owned treatment works (POTW)? \_\_\_\_\_

If yes, name of POTW: \_\_\_\_\_

Volume of wastewater (gpd): \_\_\_\_\_

Will/does this project involve the generation, processing, storage, transfer and/or distribution of industrial or domestic residuals (including sewage sludge, potable water treatment residuals and food processing by-products) generated as a result of wastewater treatment. \_\_\_\_\_ If so, please explain. \_\_\_\_\_

**DIVISION OF WATER SUPPLY & GEOSCIENCE (609) 292-7219**

**Safe Drinking Water Program (609) 292-2957**

<http://www.nj.gov/dep/watersupply/>

Is the project located within an existing water purveyor service area? If yes, which one? \_\_\_\_\_

Does the purveyor have adequate firm capacity and allocation to support project demand? See <https://www.state.nj.us/dep/watersupply/pws.html> for details of the water system capacity. \_\_\_\_\_

Do water pipes currently extend to the project location? \_\_\_\_\_

If not, is it located within a franchise area? \_\_\_\_\_

Does the project have an approved Safe Drinking Water main extension permit? \_\_\_\_\_ If so, what is the permit number?

Does the water purveyor hold a Safe Drinking Water Main Master Permit?

Will the project affect any land or water controlled by a Water Supply Authority or water purveyor in New Jersey? If so, please identify and explain. \_\_\_\_\_

**Water Allocation Program (609) 984-6831**

<http://www.nj.gov/dep/watersupply>

Is the project seeking a new ground water allocation or modification? If yes, does the project have all necessary well location and safe drinking water permits? \_\_\_\_\_

Is the project located within an area of critical water supply concern? \_\_\_\_\_

Will this project have the capability to divert more than 100,000 gallons per day from a single source or a combination of surface or groundwater sources? \_\_\_\_\_

Will this project draw more than 100,000 gallons per day of ground or surface water for construction or operation? \_\_\_\_\_

**New Jersey Geological and Water Survey (609) 984-6587**

<https://www.nj.gov/dep/njgs/>

Will the project involve the following;

- development of a new water supply source? \_\_\_\_\_
- require aquifer testing? \_\_\_\_\_
- involve an existing or abandoned mine? \_\_\_\_\_
- involve geothermal or offshore energy? \_\_\_\_\_
- involve subsurface sequestration in geological formations? \_\_\_\_\_
- acid soils at the project site? \_\_\_\_\_
- geologic hazards of concern at the project site? \_\_\_\_\_
- within a karst area? \_\_\_\_\_
- adversely affect groundwater recharge? \_\_\_\_\_
- cross any steep slopes? \_\_\_\_\_

**DIVISION OF WATER MONITORING AND STANDARDS (609) 292-1623**

**Bureau of Environmental Analysis, Restoration and Standards (609) 633-1441**  
**Water Quality Management Planning Program**

Based on the information provided under the Division of Water Quality section:

1. Does the project involve a new, expanded or relocated wastewater treatment facility not identified in the applicable Water Quality Management (WQM) Plan? \_\_\_\_\_
2. For projects conveying wastewater to an on-site or off-site wastewater treatment facility or treatment works, is any portion of the project site located outside the sewer service area? \_\_\_\_\_
3. For projects located within an assigned sewer service area, will any wastewater flow generated from the project site be conveyed to a facility other than the assigned facility? \_\_\_\_\_

\*If the answer to any of the questions above is yes, the project is inconsistent with the applicable WQM Plan and a WQM Plan amendment may be required before any DEP permits can be issued.\*

**AIR QUALITY, ENERGY & SUSTAINABILITY (609) 984-1484**

**DIVISION OF AIR QUALITY (609) 633-2829**

<https://www.nj.gov/dep/daq/>

Will activity at the site release substances into the air? \_\_\_\_\_

Does the project require Air Preconstruction permits per N.J.A.C. 7:27-8.2(c)? \_\_\_\_\_

Will your project require Air Operating permits (N.J.A.C. 7:27--22.1)? \_\_\_\_\_

Will the project result in a significant increase in emissions of any air contaminant for which the area is nonattainment with the national ambient air quality standards (all of NJ for VOC and NOx; 13 counties for fine particulates), thereby triggering the Emission Offset Rule at NJAC7:27-18? \_\_\_\_\_

Will the project emit hazardous air pollutants and/or toxic substances above reporting thresholds listed in NJAC7:27-17?  
\_\_\_\_\_

Will the project result in stationary diesel engines (such as generators or pumps) or mobile diesel engines (such as bulldozers and forklifts) operating on the site? If so, which?  
\_\_\_\_\_

Will the project have potential for off-site odors and/or dust impact? \_\_\_\_\_

**Air Quality Planning (609) 292-6722**

<https://www.state.nj.us/dep/baqp/>

All counties in New Jersey are in nonattainment for the United States Environmental Protection Agency's (USEPA's) 2008 and 2015 ozone National Ambient Air Quality Standards (NAAQS). Thirteen counties (Bergen, Essex, Hudson, Mercer, Middlesex, Monmouth, Morris, Passaic, Somerset and Union) in New Jersey are in maintenance for the USEPA's 2006 fine particulate matter (PM2.5) NAAQS. The USEPA promulgated the federal General Conformity regulation (40 CFR 93, Subpart B), which was established under the Clean Air Act (Section 176 (c)(4)), to ensure that actions taken by federal agencies do not interfere with a state's plans to attainment/maintain the NAAQS. If you answer "yes" to any of the questions below, the project (or a portion of the project) may require a General Conformity Applicability Analysis and possibly a General Conformity Determination. For more information, please see the USEPA's General Conformity website at: <https://www.epa.gov/general-conformity>

Is there a "lead" federal agency for this project? \_\_\_\_\_

Does this project receive federal support or financial assistance? \_\_\_\_\_

Does this project require a federal approval, license or permit? \_\_\_\_\_

**DIVISION OF CLIMATE, CLEAN ENERGY & RADIATION PROTECTION (609) 633-7964**

<https://www.nj.gov/dep/dess/index.html>

**Renewable Energy**

Is a renewable energy technology included in this project? ? \_\_\_\_\_



Is it a solar PV project? \_\_\_\_\_

If yes, what type?

- Behind the meter/Net metered \_\_\_\_\_
- Grid supplied \_\_\_\_\_
- Grid supplied- Subsection t (On a landfill, brownfield or area of historic fill) \_\_\_\_\_
- Community Solar ? \_\_\_\_\_

Is it a wind project? \_\_\_\_\_

If yes, what type? Onshore? \_\_\_\_\_ Offshore? \_\_\_\_\_

### **Innovative Technology**

Is an environmental and energy innovative technology included in this project?  Y  N

-If yes, please provide a brief description \_\_\_\_\_

### **Green Design**

Have you incorporated green design features into this project? Examples of green design features may include: renewable energy, water conservation and use of low impact design for stormwater. \_\_\_\_\_

Will this project be certified by any green building rating systems such as:

- US Green Building Council's LEED (Leadership in Energy and Environmental Design)? \_\_\_\_\_
- ASHRAE Standard 189.1? \_\_\_\_\_
- National Green Building Standard ICC 700-2008? \_\_\_\_\_
- USEPA's ENERGY STAR? \_\_\_\_\_
- International Living Future Institute-Zero Energy Certification? \_\_\_\_\_
- International Green Construction Code (IgCC)? \_\_\_\_\_

### **Radiation Protection Program (609) 984-5400**

[www.state.nj.us/dep/rpp/](http://www.state.nj.us/dep/rpp/)

Will the operation receive, store or dispose of radioactive materials? \_\_\_\_\_

Will the operation employ any type of X-ray equipment? \_\_\_\_\_

### **CLIMATE & FLOOD RESILIENCE PROGRAM (609) 292-9236**

<https://www.nj.gov/dep/cfr/>

#### **Climate Resilience Planning**

<https://www.nj.gov/dep/bcrp/>

Has climate resilience been considered in the design of this project?

#### **Coastal Engineering**

<https://www.nj.gov/dep/shoreprotection>

Is the project at the same location or adjacent to a beach nourishment or shore protection project?

#### **Dam Safety Program (609) 984-0859**

<http://www.nj.gov/dep/damsafety>

Will the project involve construction, repair, or removal of a dam? \_\_\_\_\_

If so, please describe \_\_\_\_\_

**COMPLIANCE AND ENFORCEMENT (609) 777-0122**

<https://www.nj.gov/dep/enforcement/>

Does the applicant have outstanding DEP enforcement violations, and if so, what is the status? \_\_\_\_\_  
If yes, please identify the case, case manager, program, and phone number. \_\_\_\_\_

Does the proposed project facilitate compliance where there is a current violation or ACO? \_\_\_\_\_

**Discharge Prevention Program (DPCC) (609) 633-0610**

<https://www.nj.gov/dep/enforcement/dpp.html>

Is this a facility as defined in N.J.A.C. 7:1E in which more than 20,000 gallons of Hazardous substances other than petroleum or greater than 200,000 gallons of petroleum are stored? \_\_\_\_\_

**Toxic Catastrophe Prevention Act (TCPA) (609) 633-0610**

<https://www.nj.gov/dep/enforcement/tcpa.html>

Is this a facility that handles or stores greater than a threshold amount of extraordinarily hazardous substances as defined in N.J.A.C. 7:31? \_\_\_\_\_

**COMMUNITY ENGAGEMENT (609)292-2908**

The Department is committed to the principles of meaningful and early community engagement in the project's approval process. The Department has representatives available to discuss community engagement issues with you and we encourage this communication to take place at the earliest possible time.

- (a) What community groups and stakeholders have you identified that may be interested in or impacted by this project?
- (b) How have you or will you engage community and stakeholders in this project?
- (c) What are the potential impacts of this project on the community?
- (d) What are the community concerns or potential concerns about this project?
- (e) How do you intend to address these concerns?
- (f) As part of this project, do you plan to perform any environmental improvements in this community? If yes, describe.

Please provide the Department with an additional narrative description function and its local/regional environmental, social, and economic benefits and impacts. Also, what sensitive receptors are present and how might they be affected by this project?

**ADDITIONAL AGENCY REVIEW**

Is the project subject to:

Highlands Regional Master Plan – Planning or Preservation Area? \_\_\_\_\_  
[http://www.nj.gov/dep/highlands/highlands\\_map.pdf](http://www.nj.gov/dep/highlands/highlands_map.pdf)

Pinelands Comprehensive Management Plan? \_\_\_\_\_  
<http://www.state.nj.us/pinelands/cmp/>

D&R Canal Commission Standards \_\_\_\_\_  
<https://www.nj.gov/dep/drcc/regulatory-program/maps/>

Delaware River Basin Commission \_\_\_\_\_  
<http://www.state.nj.us/drbc/>

New Jersey Sports and Exposition Authority? \_\_\_\_\_  
<https://www.njsea.com/>

US Army Corp of Engineers review? \_\_\_\_\_  
<https://www.usace.army.mil/>

Other State or Federal Agencies? If so, please specify \_\_\_\_\_

=====

Permit Readiness Checklist Submitted By:

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
DATE

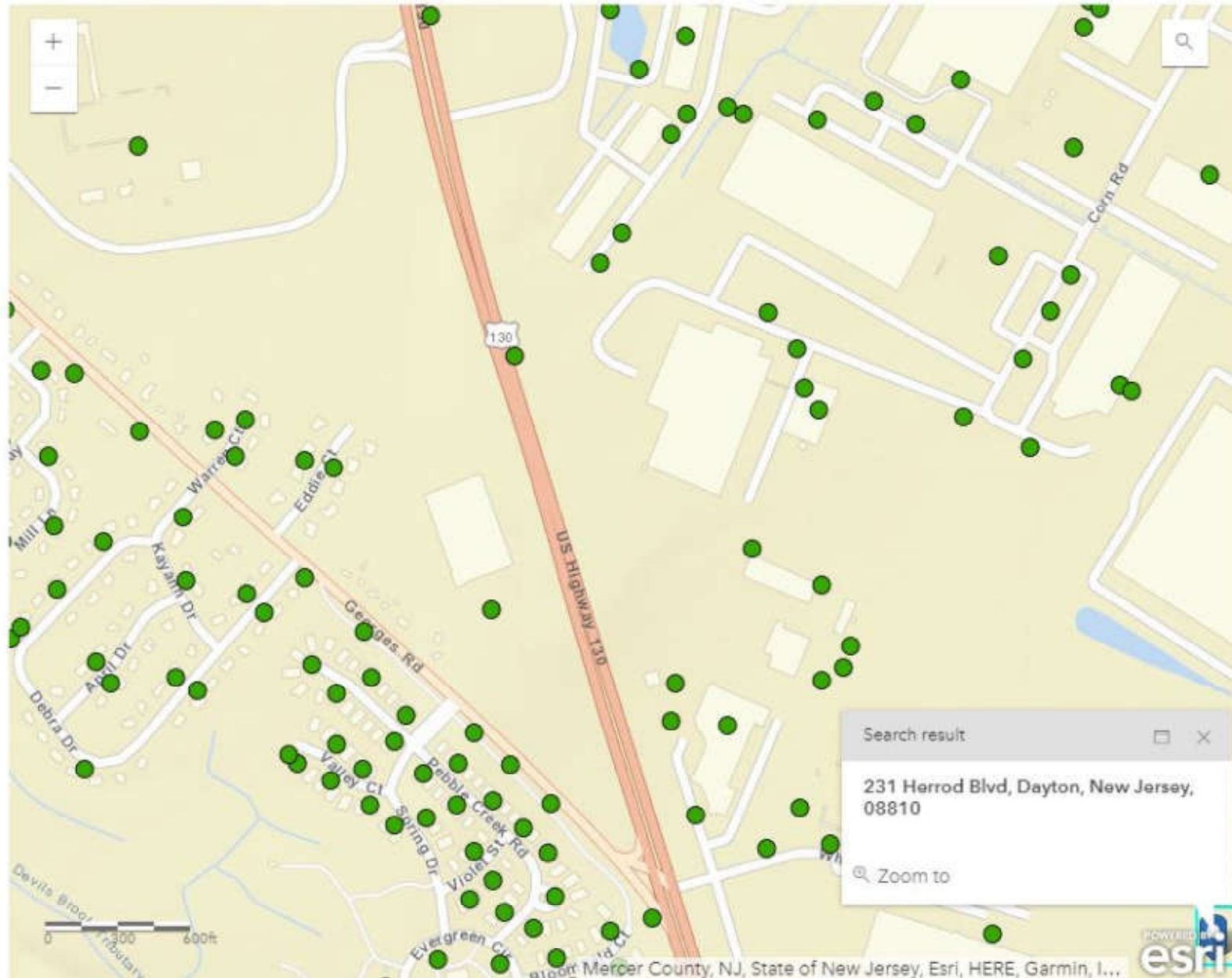
\_\_\_\_\_  
PRINT NAME

**NOT APPLICABLE TO ROOFTOP PROJECT**

## Attachment 6

A Screenshot of the EDC Capacity Hosting Map at The Proposed Location illustrating that there is sufficient capacity for a solar generation facility at the project's location

< 100kW





## Attachment 7

### Substantiating Evidence of Project Cost in The Form of Charts and/or Spreadsheet Models

	watts	1,970,300
	Rate	
Project Develoment	\$ 0.120	\$ 236,436.00
Structural Engineering	\$ 0.010	\$ 19,703.00
Electrical Engineering	\$ 0.025	\$ 49,257.50
Roof protection and Insulation	\$ 0.050	\$ 98,515.00
Permits	\$ 0.010	\$ 19,703.00
EPC	\$ 0.100	\$ 197,030.00
Modules	\$ 0.395	\$ 778,268.50
Rails & Clamps	\$ 0.140	\$ 275,842.00
Inverters	\$ 0.060	\$ 118,218.00
Optimizers	\$ 0.100	\$ 197,030.00
DC Conduit and Wiring	\$ 0.020	\$ 39,406.00
AC Conduit Wiring	\$ 0.030	\$ 59,109.00
AC combiner panels	\$ 0.020	\$ 39,406.00
Installation	\$ 0.430	\$ 847,229.00
Interconnection	\$ 0.100	\$ 197,030.00
Internet and API Subscription	\$ 0.020	\$ 39,406.00
Metering Equipment	\$ 0.010	\$ 19,703.00
Commissioning and Testing	\$ 0.030	\$ 59,109.00
Ovenight outage for interconnection	\$ 0.010	\$ 19,703.00
EV charging Stations	\$ 0.020	\$ 39,406.00
Total	\$ 1.700	\$ 3,349,510.00

Subscriber Program Costs

Program Set Up Costs	\$	150,000.00
Monthly Subscriber Service cost	\$	1,250.00

Project Details

System Size	1,970,300	watts
Estimated annual output	2,364,360	kWh

Project Costs

Net Installed Cost	\$	3,349,510.00	
Net Installed Cost	\$	1.70	per watt
Initial Customer Acquisition Cost	\$	0.08	
Annual Customer Churn Rate		8%	
Annual Operating Expenses	\$	0.01	per kWh
Levelized Cost of Energy ("LCOE")	\$	0.10	per kWh

## Attachment 8

### Permits Received for This Site or Project / Project Maturity Evidence

1. Evergreen together with the project owner, Masterbuilt Industries, have a long history of working together and installing solar in South Brunswick. Specifically, they previously installed a solar facility on the other portion of the roof at 231 Herrod. The attached CA illustrates their familiarity with the construction and zoning process of the solar site.

**This proposed community solar will have a separate interconnection and revenue grade metering equipment.**

2. Electrical engineering for this community solar project has been completed, which illustrates the viability of the project

3. As evidenced on the attached EDC map, there is capacity in the area for the Herrod Community project. Of particular reference is that should the EDC require circuit upgrades, Masterbuilt Industries and Haddad Brands have had such experiences at other locations and they paid for those upgrades for the EDC to approve their interconnection. This is strong evidence that Masterbuilt will be committed to advance this project, should the board select the Herrod Community project in PY2.

4. Funding for the Herrod Community Ave Project is available and non-contingent.



New Community Solar



Existing Solar







South Brunswick Township  
 540 Ridge Road  
 Monmouth Junction, NJ 08852  
 732-3294000

Previous Project

**CERTIFICATE  
 IDENTIFICATION**

Date Issued: 12/14/2016  
 Control #: 67260  
 Permit #: 20161356

Block: 12.01 Lot: 15.06 Qual: \_\_\_\_\_  
 Work Site Location: 231 HERROD BLVD  
DAYTON, NJ  
 Owner in Fee: HADDAD APPAREL GRP.  
 Address: 231 HERROD BLVD.  
DAYTON NJ 08810  
 Telephone: 201 356-2000  
 Agent/Contractor: EVERGREEN ENERGY, LLC  
 Address: 418 CLIFTON AVE #307  
LAKEWOOD NJ 08701  
 Telephone: 732 592-5111  
 Lic. No./ Bldrs. Reg.No.: \_\_\_\_\_ Federal Emp. No.: 4-7381475  
 Social Security No.: \_\_\_\_\_

Home Warranty No: \_\_\_\_\_  
 Type of Warranty Plan:  State  Private  
 Use Group: B  
 Maximum Live Load: \_\_\_\_\_  
 Construction Classification: \_\_\_\_\_  
 Maximum Occupancy Load: \_\_\_\_\_  
 Certificate Exp Date: \_\_\_\_\_  
 Description of Work/Use: SOLAR - 933.33 kW - 3060 PANELS

Update Desc. of Wk/Use:  
 UPDATE FOR B - REVISED DRAWINGS

**CERTIFICATE OF OCCUPANCY**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

**CERTIFICATE OF APPROVAL**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

**TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE**

If this is a temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than \_\_\_\_\_ or will be subject to fine or order to vacate:

**CERTIFICATE OF CLEARANCE-LEAD ABATEMENT 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:

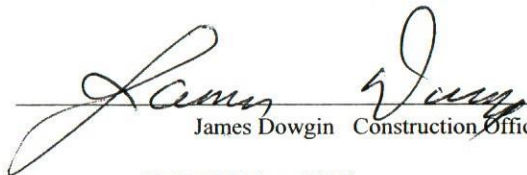
- Total removal of lead-based paint hazards in scope of work
- Partial or limited time period(\_\_\_\_ years); see file

**CERTIFICATE OF CONTINUED OCCUPANCY**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

**CERTIFICATE OF COMPLIANCE**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until \_\_\_\_\_

  
 James Dowgin Construction Official

Fees: \$0.00

Paid  Check No.: 1166

Collected by: MA



# ROOF MOUNTED COMMUNITY SOLAR PHOTOVOLTAIC SYSTEM

## 231 HERROD BLVD. DAYTON, NJ 08810

### CODES & STANDARDS:

DESIGN AND CONSTRUCTION OF THIS PROJECT BASED ON THE FOLLOWING CODES:

- INTERNATIONAL BUILDING CODE (IBC)–2018, NJ EDITION.
- NATIONAL ELECTRICAL CODE 2017 WITH AMENDMENTS NJAC 5:23–3.16.
- INVERTER SHALL BE UTILITY INTERACTIVE AND LISTED PER UL1741
- PV MODULES SHALL BE LISTED PER UL1703

4636 PV PANELS X 425W EACH, TOTAL OF 1970.3 KW DC  
16 INVERTERS X 100KW AC EACH, TOTAL 1600 KW AC

### GENERAL NOTES:

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE (NEC), LOCAL MUNICIPAL CODE, AND LOCAL FIRE DISTRICT REGULATIONS.
- ALL EQUIPMENT SHALL BE LISTED AND LABELED PER UL AND INSTALLED PER THE LISTING REQUIREMENTS AND THE MANUFACTURER'S INSTRUCTIONS.
- ALL INVERTERS SHALL BE IEEE 929 COMPLIANT AND SHALL BE INSPECTED BY LOCAL UTILITY BEFORE COMMISSIONING, TESTING AND OPERATION OF THE SYSTEM.
- ALL OUTDOOR EQUIPMENT SHALL BE MINIMUM OF NEMA 3R, INCLUDING OUTDOOR MOUNTED TRANSITION BOXES, COMBINER BOXES, AND SWITCHES.
- ALL EQUIPMENT SHALL BE PROPERLY GROUNDED PER THE REQUIREMENTS OF NEC ART. 250 AND 690.
- PV MODULES ARE ENERGIZED WHENEVER EXPOSED TO LIGHT, PV SYSTEM INSTALLER SHALL DISABLE THE ARRAY DURING INSTALLATION AND SERVICE BY SHORT CIRCUITING, OPEN CIRCUITING, OR COVERING THE ARRAY WITH AN OPAQUE COVERING.
- PV SYSTEM INSTALLER WILL BE RESPONSIBLE FOR FURNISHING AND INSTALLATION OF RELATED EQUIPMENT, CABLES, ADDITIONAL CONDUITS, BOXES AND OTHER ACCESSORIES NECESSARY FOR COMPLETE AND OPERATIONAL PHOTOVOLTAIC SYSTEM.
- PV SYSTEM INSTALLER SHALL COORDINATE ALL THE WORK WITH THE ENGINEER TO INSURE THAT PV SYSTEM IS INSTALLED AS SPECIFIED IN THESE DRAWINGS.

### MODULE INFORMATION:

MODULE MAKE	QCELLS
MODULE MODEL #	Q.PEAK DUO L-G5.2
WATTAGE	425
OPEN CIRCUIT VOLTAGE (Voc)	49
MAX POWER VOLTAGE (Vpm)	41.04
SHORT CIRCUIT CURRENT (Isc)	10.24
MAX POWER CURRENT (Imp)	9.75
TEMP COEFFICIENT (Voc) %/C	-0.27%
TEMP COEFFICIENT (Isc) %/C	0.04%
TEMP COEFFICIENT (Pmp) %/C	-0.36%

### INVERTER INFORMATION:

INVERTER MAKE	SOLAREEDGE
INVERTER MODEL #	SE100KUS
MAX INPUT VOLTAGE DC TO GND	500V
MAX INPUT VOLTAGE DC -TO DC+	1000 A
MAX INPUT CURRENT	120
MAX CONTINUOUS OUTPUT CURRENT	120 A/PHASE
NOMINAL AC OUTPUT VOLTAGE	480V, 60HZ
MAX AC OUTPUT POWER	100 KW
CEC WEIGHTED EFFICIENCY	98.5%

### POWER OPTIMIZER:

POWER OPTIMIZER	SOLAREEDGE P860
MAX INPUT POWER	860W
MAX INPUT VOLTAGE	60V
MPPT RANGE	12.5-60 V DC
MAX MODULE ISC	11 A DC
MAX OUTPUT CURRENT	18 A DC

### STRING CALCULATION:

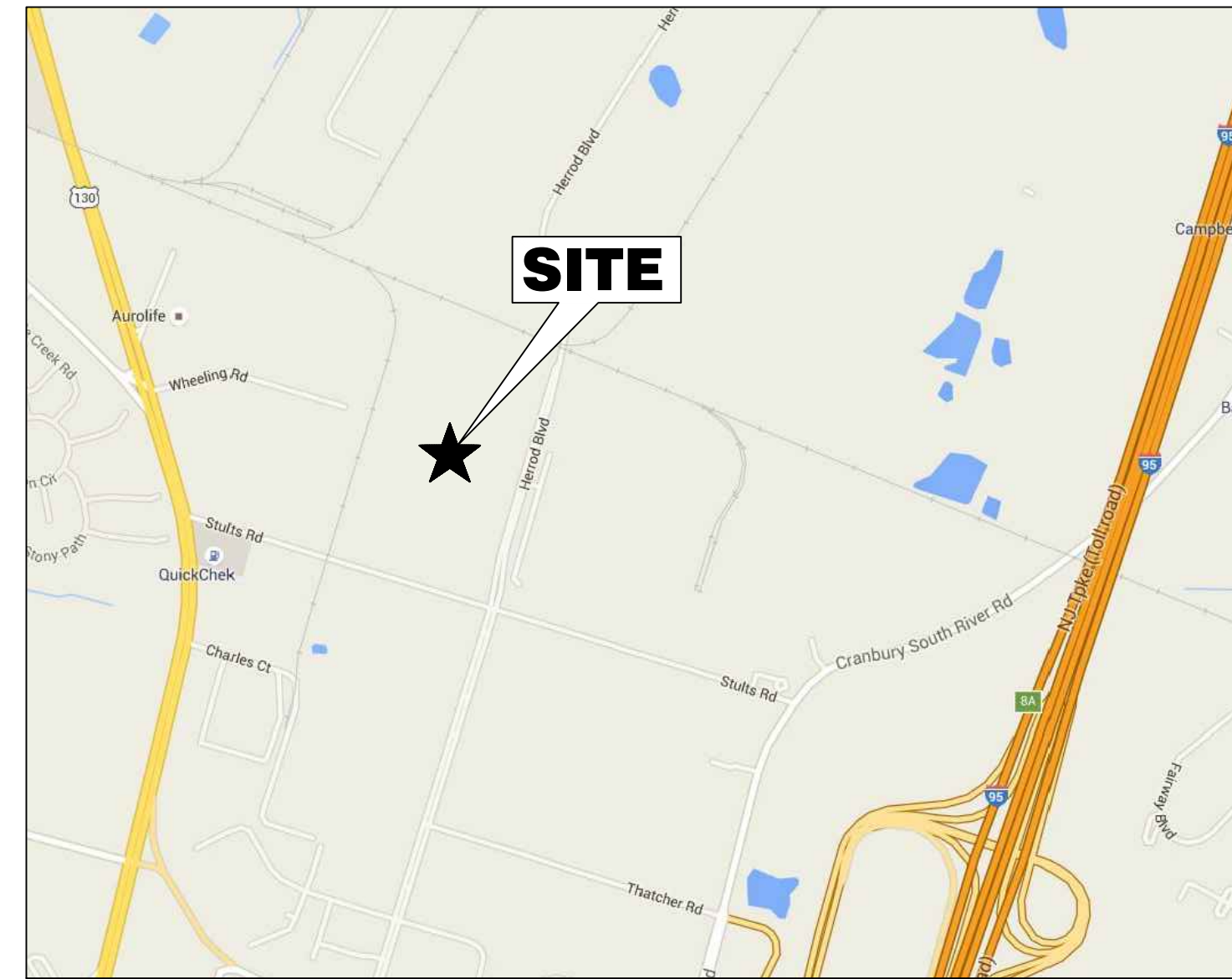
Ltemp-Lowest Ambient Temp. (F)	0	°F
Ltemp-(C)	-18	°C
H-temp-Highest Ambient Temp. (F)	106	°F
Htemp-(C)	41	°C

MODULE INFORMATION:	
Max Power Voltage Vmp	41.04 V
Temp Coefficient of Pmp (β)	-0.36% /°C
Temp Coeff of Vmp	-0.15 V/°C
Open Circuit Voltage Voc	49.00 V
Temp Coefficient of Voc (α)	-0.27% /°C
Temp Coeff of Voc	-0.13 V/°C
Tref (The cell temp at STC)	25 °C
Trise (The expected rise in cell temp)	20 °C

INVERTER :	
Vmax	60 V
Vmin	12.5 V

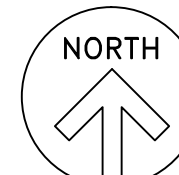
STRING VOLTAGE:	
Vmax=Voc+(Ltemp-Tref) x αVoc	54.66 V



VICINITY MAP  
SCALE: N.T.S.



KEY PLAN  
SCALE: N.T.S.



### DEFINITIONS:

- STC (STANDARD TEST CONDITION): AN INSTANTANEOUS SOLAR PANEL RATING UNDER CONTROLLED CONDITIONS. THE STANDARD TEST CONDITIONS FOR A MODULE ARE: SOLAR IRRADIANT OF 1000 W/M<sup>2</sup>, WITH THE CELL TEMPERATURE MAINTAINED AT 25°C AND ZERO WIND SPEED FOR COOLING EFFECT.
- STRING: A NUMBER OF PV PANELS CONNECTED IN A SERIES CIRCUIT REPRESENT A "STRING". THE MAXIMUM NUMBER OF PANELS IN A STRING IS DETERMINED BY THE OPEN CIRCUIT VOLTAGE AT THE LOWEST TEMPERATURE SELECTED. THE MINIMUM NUMBER OF PANELS IN A STRING IS DETERMINED BY THE MAXIMUM POWER VOLTAGE AT THE HOTTEST TEMPERATURE SELECTED.
- Voc (MODULE OPEN CIRCUIT VOLTAGE): THE VOLTAGE BETWEEN TWO POINTS WHEN THEY ARE NOT CONNECTED BY A LOAD CIRCUIT. THIS IS TYPICALLY THE GREATEST AMOUNT OF VOLTAGE THAT CAN BE PROVIDED BY A CIRCUIT TO THESE TWO POINTS.
- Vpm (MODULE MAXIMUM POWER VOLTAGE): THE OPERATING VOLTAGE POINT WHERE A SOLAR MODULE DELIVERS MAXIMUM POWER. THE MAXIMUM POWER VOLTAGE CHANGES PRIMARILY WITH SUN INTENSITY AND CELL TEMPERATURE. A GRID SUPPLEMENTING INVERTER HAS A MAXIMUM PEAK POWER TRACKING ROUTINE WHICH TRACKS THE CHANGING MAXIMUM POWER VOLTAGE THROUGHOUT THE DAY.
- Isc (MODULE SHORT CIRCUIT CURRENT): THE CURRENT BETWEEN TWO POINTS THAT ARE CONNECTED BY LOAD CIRCUIT WITH ZERO RESISTANCE. THIS IS THE GREATEST AMOUNT OF CURRENT THAT CAN BE DELIVERED BY A CIRCUIT.
- SREC: SOLAR RENEWABLE ENERGY CERTIFICATE.

### ABBREVIATIONS:

A	AMPERE
C	CONDUIT(S)
CB	COMBINER BOX
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CJ	COPPER
DAS	DATA ACQUISITION SYSTEM
EC	ELECTRICAL CONTRACTOR
EG	EQUIPMENT GROUND
EMT	ELECTRICAL METALLIC TUBING
FBO	FURNISHED BY OTHERS
GF	GROUND FAULT INTERRUPTER
GND, G	GROUND
I/L	INTERLOCKED
MC	MECHANICAL CONTRACTOR
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PV	PHOTOVOLTAIC
RGS	RIGID GALVANIZED STEEL
SPD	SURGE PROTECTIVE DEVICE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UON	UNLESS OTHERWISE NOTED
V	VOLTS
WP	WEATHERPROOF

NO. DATE REVISION

**SMA CONSULTING ENGINEERS**

300 WOOD AVE SOUTH  
ISELIN, NJ 08830  
e. info@smaengineers.com

**ROOF TOP SOLAR - PHASE II  
COMMUNITY SOLAR  
231 HERROD BLVD  
DAYTON NJ**

JOB

**TITLE SHEET**

TITLE

01.24.2021

DATE

2114

PROJECT NO.

N.T.S.

SCALE

A.G.

DESIGNED BY

DRAWING NO.

**E-1**



INVERTER SCHEDULE

	TOTAL# OF PANELS	PANEL WATTAGE	# OF STRINGS	KW DC	DC/AC Ratio	DC STRING WIRE SIZE (PV WIRE)	AC Current (Amp)	AC FEEDERS (COPPER CONDUCTORS)
INVERTER #1 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #2 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #3 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #4 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #5 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #6 (SOLAREEDGE SE100KUS)	300	425	(6) STRINGS OF 34 & (3) STRINGS OF 32	127.50	128%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #7 (SOLAREEDGE SE100KUS)	304	425	(8) STRINGS OF 34 & (1) STRINGS OF 32	129.20	129%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #8 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #9 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #10 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #11 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #12 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #13 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #14 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #15 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
INVERTER #16 (SOLAREEDGE SE100KUS)	288	425	(9) STRINGS OF 32	122.40	122%	18#10 AWG & #8 GND IN 2" PVC	120	4#1/0 AWG & #6 GND IN 1 1/2" EMT
<b>TOTAL NUMBER OF PANELS</b>	<b>4636</b>					Total Inverters Current Amps	1920	
<b>TOTAL SYSTEM SIZE (kW DC)</b>	<b>1970.3</b>					Total Inverters Current @ 125%	2400	

ELECTRICAL FEEDERS

- ① DC STRING WIRING, REFER TO INVERTER SCHEDULE. COPPER CONDUCTOR, WIRE TYPE PHOTOVOLTAIC (PV) WIRES, 1000V DC, UL LISTED.
- ② INVERTER SCHEDULE, REFER TO INVERTER SCHEDULE FOR SIZE.

SIGN#1

**WARNING**  
ELECTRIC SHOCK HAZARD DO NOT TOUCH TERMINALS. TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

SIGN#2

**WARNING**  
ELECTRIC SHOCK HAZARD IF A GROUND FAULT IS INDICATED. NORMALLY GROUNDED CONDUCTORS MAY BE UNGROUNDED AND ENERGIZED

SIGN#3

**WARNING**  
ELECTRIC SHOCK HAZARD. THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED.

SIGN#3-1

MAXIMUM SYSTEM VOLTAGE: 1000V VDC  
MAXIMUM CIRCUIT CURRENT: 1084.5A DC

SIGN#4

**WARNING**  
THIS PANEL CONTAINS CIRCUIT BREAKERS FED BY TWO SOURCES: UTILITY GRID AND SOLAR PHOTOVOLTAIC SYSTEM. DO NOT ADD BREAKERS TO THIS PANEL. DO NOT RECONFIGURE OR RELOCATE BREAKERS INSIDE

SIGN#5

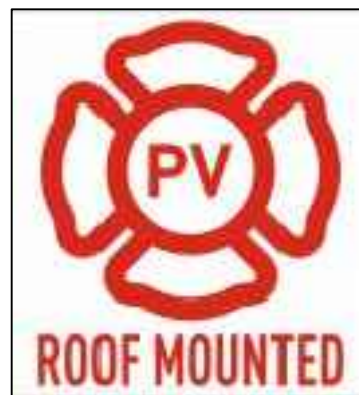
SOLAR PHOTOVOLTAIC AC CIRCUIT BREAKERS INSIDE  
MAX. TOTAL OUTPUT POWER 700 KW AC  
AC OPERATING VOLTAGE 480/277V AC  
RATED AC CURRENT 840 A AC

SIGN#6

PV SYSTEM DISCONNECT SWITCH  
MAX. TOTAL OUTPUT POWER 700 KW AC  
AC OPERATING VOLTAGE 480/277V AC  
RATED AC CURRENT 840 A AC

SIGN#7

**WARNING**  
THIS BUILDING IS ENERGIZED FROM TWO SOURCES:  
1. UTILITY GRID WITH MAIN SERVICE DISCONNECT SWITCH.  
2. ROOF MOUNTED SOLAR ARRAY WITH DISCONNECT SWITCH LOCATED ADJACENT TO THIS SERVICE.

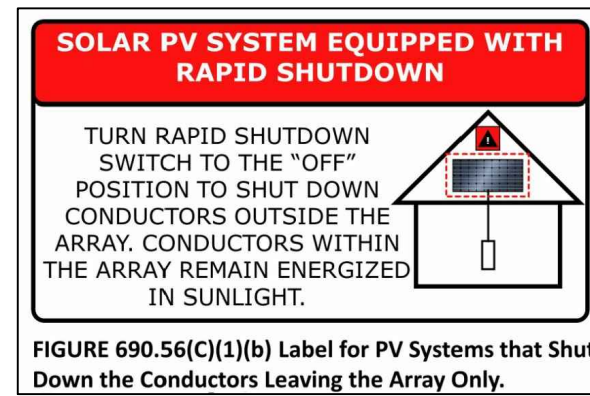


SIGN ON THE BUILDING ENTRANCE. PER NJAC S: 70-2.21

SIGN PER 690.31(G)(3)

ON ALL EXPOSED RACEWAYS, CABLE TRAYS, COVER AND ENCLOSURE FOR PULL BOXES AD JUNCTION BOXES, CONDUIT BODIES, ETC.

**WARNING**  
PHOTOVOLTAIC POWER SOURCE



SIGN PER 690.13(B)

EACH PV SYSTEM DISCONNECTING MEANS

**WARNING**  
PV SYSTEM DISCONNECT SWITCH

SIGN PER 690.56(C)(3):

EACH PV SYSTEM DISCONNECTING MEANS

**WARNING**  
RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

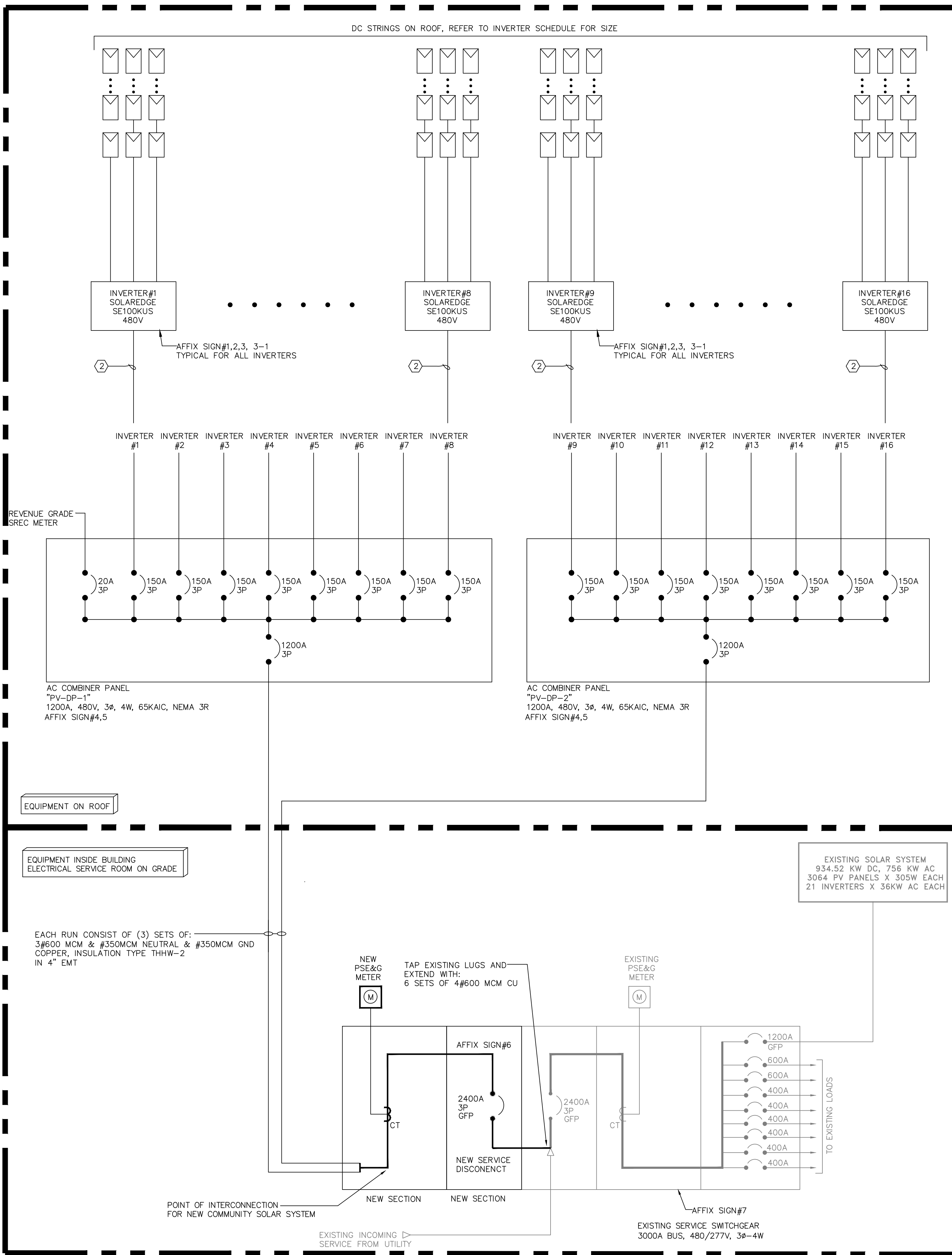
SIGN#9

100 kW Inverter 690.53 RATINGS FOR THE DC DISCONNECT

TYPICAL FOR ALL INVERTERS	
MAXIMUM INPUT CURRENT (Amp DC)	120
MAX INPUT SHORT CIRCUIT CURRENT (Amp DC)	120
NOMINAL INPUT VOLTAGE DC+ TO DC- (V DC)	850
MAXIMUM INPUT VOLTAGE DC+ TO DC- (V DC)	1000

100 kW Inverter 690.54 LABEL ON AC DISCONNECT

AC DISCONNECT FOR ALL INVERTERS	
MAXIMUM AC OPERATING CURRENT	120 Amp
MAXIMUM AC OPERATING VOLTAGE	480 V AC



① INTERCONNECTION ONE-LINE DIAGRAM  
SCALE: N.T.S.

NO. DATE REVISION

**SMA CONSULTING ENGINEERS**

300 WOOD AVE SOUTH  
ISELIN, NJ 08830  
e. info@smaengineers.com

**ROOF TOP SOLAR - PHASE II  
COMMUNITY SOLAR  
231 HERROD BLVD  
DAYTON NJ**

JOB

**INTERCONNECTION  
ONE-LINE DIAGRAM**

TITLE

01.24.2021 2114  
DATE PROJECT NO.

N.T.S. A.G.  
SCALE DESIGNED BY

DRAWING NO. **E-2**

## Jacob

---

**From:** Darnulc, Paul F <Paul.Darnulc@pseg.com>  
**Sent:** Wednesday, March 06, 2019 2:38 PM  
**To:** Jacob  
**Cc:** Henry, Michael P.; Issac Israel; Sam Shaulson  
**Subject:** RE: Approval For Interconnection 131 Docks

Good news Jacob, Are study has found that circuit DVB 8024 has capacity for the full interconnection for 131 Docks Corner Rd Job #500732428 , we are just waiting on engineering to provide an estimate to transfer 131 Docks over from DVB- 8021 to DVB 8024.

We are hoping to have that estimate very shortly

Thanks,

*Paul F. Darnulc*  
PSE&G

Project Consultant -R / Southern Division  
4140 Quakerbridge Rd Lawrenceville NJ 08648  
Desk # 609 799 6837  
Fax # 609 716 1246

---

**From:** Jacob [mailto:jacob@evergreenenergynj.com]  
**Sent:** Wednesday, March 06, 2019 2:20 PM  
**To:** Darnulc, Paul F  
**Cc:** Henry, Michael P.; Issac Israel; Sam Shaulson  
**Subject:** [EXTERNAL] RE: Non Approval For Interconnection 131 Docks

Good afternoon Paul,

Thank you for your help with this project.

I am sorry to follow up about it, but we have an internal financial decision that has a deadline today. The module costs have increased significantly, and the manufacturer gave us a deadline of today to let them know if we are keeping the purchase order.

If you are able to share with us the consulting company's findings, or advise if we should proceed with the order, it would be greatly appreciated!! (Of course we are assuming the risk of the modules and the project; we would just like to know if PSE&G will be allowing the additional capacity.)

Thank you,

**Jacob Sussman**  
[Jacob@evergreenenergynj.com](mailto:Jacob@evergreenenergynj.com)  
732-592-5111

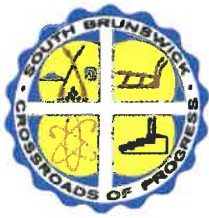
## Attachment 9

Evidence That the Proposed Project Is Being Developed in Partnership or Collaboration with One Or More Local Community Organization(S) and/or Affordable Housing Providers in The Area in Which the Project Is Located

Evergreen has received support from:

- South Brunswick Township
- Chabad Center of South Brunswick, a community center in South Brunswick
- Cheder Menachem, a local school, eager to offer its faculty, members of the LMI community an opportunity to subscribe to a community solar project and see real savings on their electric bills





## TOWNSHIP OF SOUTH BRUNSWICK

Municipal Building • P.O. Box 190 • Monmouth Junction, NJ 08852-0190  
Phone: (732) 329-4000 x7301 Fax: (732) 329-0627

Office of the Township Manager  
Bernard P. Hvozdovic, Jr.

February 4, 2021

New Jersey Board of Public Utilities  
44 South Clinton Avenue - 7th Floor  
Post Office Box 350  
Trenton, New Jersey 08625-0350  
Attn: Aida Camacho-Welch, Board Secretary

**Re: Letter of Support for Evergreen's Community Solar Application**

Dear Secretary Camacho-Welch,

I write on behalf of the Township of South Brunswick in support of Evergreen's proposal to the Board of Public Utilities to participate in the Community Solar Pilot Program. South Brunswick Township is a municipal entity with 50,000 residents. We support this application's focus on providing energy savings to members of our community.

As an organization which serves the public, participation in this program by low and moderate income households would enhance our ability to serve our community. Through this program we can achieve the dual goals of improving the lives of our residents through savings on their energy bills and supporting the fight against climate change through use of renewable energy.

By accepting Evergreen's application to participate in the Community Solar Pilot Program, the BPU would best serve a key goal of Community Solar – enabling access to solar energy to all populations of New Jersey. We ask you to designate Evergreen as a participant in the second year of the Community Solar Pilot Program in order to advance the movement to a 100% renewable energy future.

Thank you for your consideration.

Sincerely,

Bernard P. Hvozdovic, Jr.  
Township Manager

New Jersey Board of Public Utilities  
 44 South Clinton Avenue,  
 7th Floor  
 Post Office Box 350  
 Trenton, New Jersey 08625-0350  
 Attn: Aida Camacho-Welch, Board Secretary

RE: Letter of Support for Evergreen's Community Solar Application

January 28, 2021

Dear Secretary Camacho-Welch:

I write on behalf of Masterbuilt Industries, LLC in support of Evergreen's proposal to the Board of Public Utilities to participate in the Community Solar Pilot Program. Masterbuilt Industries, LLC, a subsidiary of Haddad Brands, LTD is a benevolent and charitable organization. We strongly support this application's focus on providing energy savings to members of our community.

As an organization which focuses on expanding opportunities to community members, participation in this Program would greatly impact our ability to serve our community. Through this Program we can achieve the dual goals of improving the lives of our residents through savings on their energy bills and supporting the fight against climate change through use of renewable energy.

By accepting Evergreen's application to participate in the Community Solar Pilot Program, the BPU would best serve a key goal of Community Solar – enabling access to solar energy to all populations of New Jersey. We highly recommend you to designate Evergreen as a participant in the second year of the Community Solar Pilot Program in order to advance the movement to a 100% renewable energy future.

Thank you for your consideration.

Sincerely,



Rabbi Levi Azimov



**CHABAD**  
**JEWISH CENTER**  
 of South Brunswick

One Riva Avenue  
 North Brunswick, NJ 08902

tel 732-398-9492

fax 732-398-9282

www.chabadsouthbrunswick.com



Rabbi Levi Azimov  
 Director

Goldie Azimov  
 Program Director





## Cheder Menachem

1001 Finnegan's Lane, North Brunswick, NJ 08902  
(732)297-3322 • www.chedernj.org

New Jersey Board of Public Utilities  
44 South Clinton Avenue,  
7th Floor  
Post Office Box 350  
Trenton, New Jersey 08625-0350  
Attn: Aida Camacho-Welch, Board Secretary

RE: Letter of Support for Evergreen's Community Solar Application

January 28, 2021

Dear Secretary Camacho-Welch:

I write on behalf of Masterbuilt Industries, LLC in support of Evergreen's proposal to the Board of Public Utilities to participate in the Community Solar Pilot Program. Masterbuilt Industries, LLC, a subsidiary of Haddad Brands, LTD is a benevolent and charitable organization. We strongly support this application's focus on providing energy savings to members of our community.

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By accepting Evergreen's application to participate in the Community Solar Pilot Program, the BPU would best serve a key goal of Community Solar – enabling access to solar energy to all populations of New Jersey. We highly recommend you to designate Evergreen as a participant in the second year of the Community Solar Pilot Program in order to advance the movement to a 100% renewable energy future.

Thank you for your consideration.

Sincerely,

Mrs. Goldie Azimov



## Attachment 10

### Evidence That the Proposed Project Is Being Developed with Support and In Consultation with The Community in Which the Project Is Located

Chabad Jewish Center was eager to provide an avenue for the community, many of whom are LMI families, an opportunity to save on their energy costs. They will be hosting an informative event for everyone to learn the benefits of subscribing to a community solar project

One Riva Avenue  
North Brunswick, NJ 08902

tel 732-398-9492  
fax 732-398-9282



Rabbi Levi Azimov  
*Director*

Goldie Azimov  
*Program Director*

**Come learn how you can benefit from  
solar projects being installed in our  
community and see how you can save  
20% off your electricity rate!!**

**March 10<sup>th</sup>, 2021 8:30 PM**



**HaddadBrands**

## Attachment 11

### Other Benefits: Electric Vehicle Charging

1. Public charging stations will be installed for the employees working at the site, many of who live in multi-family units that would otherwise not have access to EV charging stations. Fact Sheet on the selected charger attached.
2. Energy efficient bulbs will be given to subscribers to replace the light bulbs in their home. Evidence of the benefits of providing free EnergyStar bulbs to our subscribers attached.
3. The Project will create 20 jobs.  
Our laborers and electricians live locally. As our pipeline expands, we naturally have to hire more personnel to facilitate the installations.  
The Project will create 20 jobs.  
Temporary: 18 construction workers.  
Permanent: Two program administrators





Electric Vehicle Charging Station

# EV Meter



**Commercial Stand alone EV Meter Charging station**  
**8" Touch screen, Open payment and parking EV charging solution.**

## Key features

- 8" Android based touch screen fully customizable
- Dual type 2 22kW socket charging station
- Built in A-EV RCD per socket
- Remotely adjustable power output
- OCPP 1.6 supported
- Dynamic Load Management
- Driver loyalty scheme via mobile App
- Built in Nayax's open payment system that accepts all cashless payments methods:
  - Debit and Credit Cards
  - Mobile, NFC Payments
  - Prepaid cards and Closed environment solutions
  - Swipe, Contact and Contactless

## Electrical Data

**Input Voltage:** 230-440 Vac, Single or Three Phase

**Input Current:** 64Amax

**Output Power:** 22kW, 32Amax per socket

**Socket:** IEC-62196 Type 2 connector

## Safety and Certification

CE & TUV compliant acc. IEC-61851

Built-In (per socket) :

- Electronic RCD 30mA Type A per socket
  - Electronic 6mA DC Fault current detection per socket
- Over power protection  
Dynamic Load Management

## Communication

GSM / GPRS / CDMA / Ethernet

OCPP 1.6 ready, OTA Updates

## Environmental Conditions

Approved for both Indoor & Outdoor installations.

**Operating temperature:** (-25°C) to (+55°C)

**Non-Operating temperature:** (-30°C) to (+70°C)

**Humidity:** Up to 100% non-condensing

**Weather and water proof:** IP54

**Impact protection rating:** IK8

## Supported Payment Schemes

**Contact Card:** EMV Level 1 + Level 2

**Contactless:** EMV Level 1

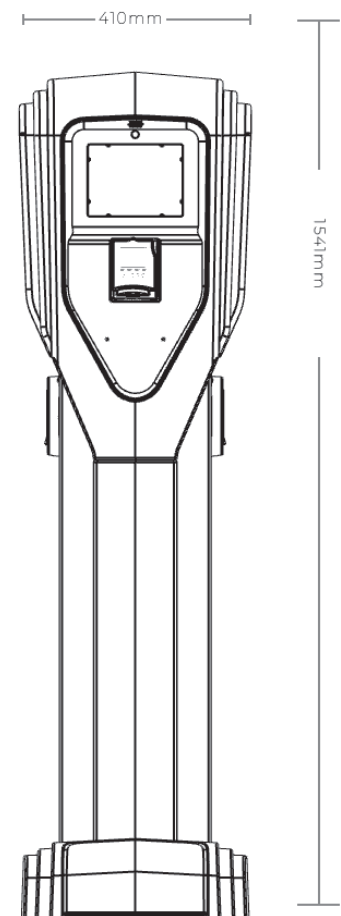
Visa PayWave, MasterCard PayPass

**Magnetic Stripe Card:** Tracks 1,2,3 - JIS II

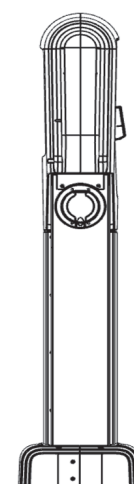
**Other Cards Supported:** NFC, MIFARE, HID-iClass, FeliCa

## Dimensions & Weight

**WxHxD:** 410x1541x235 mm, 35kg

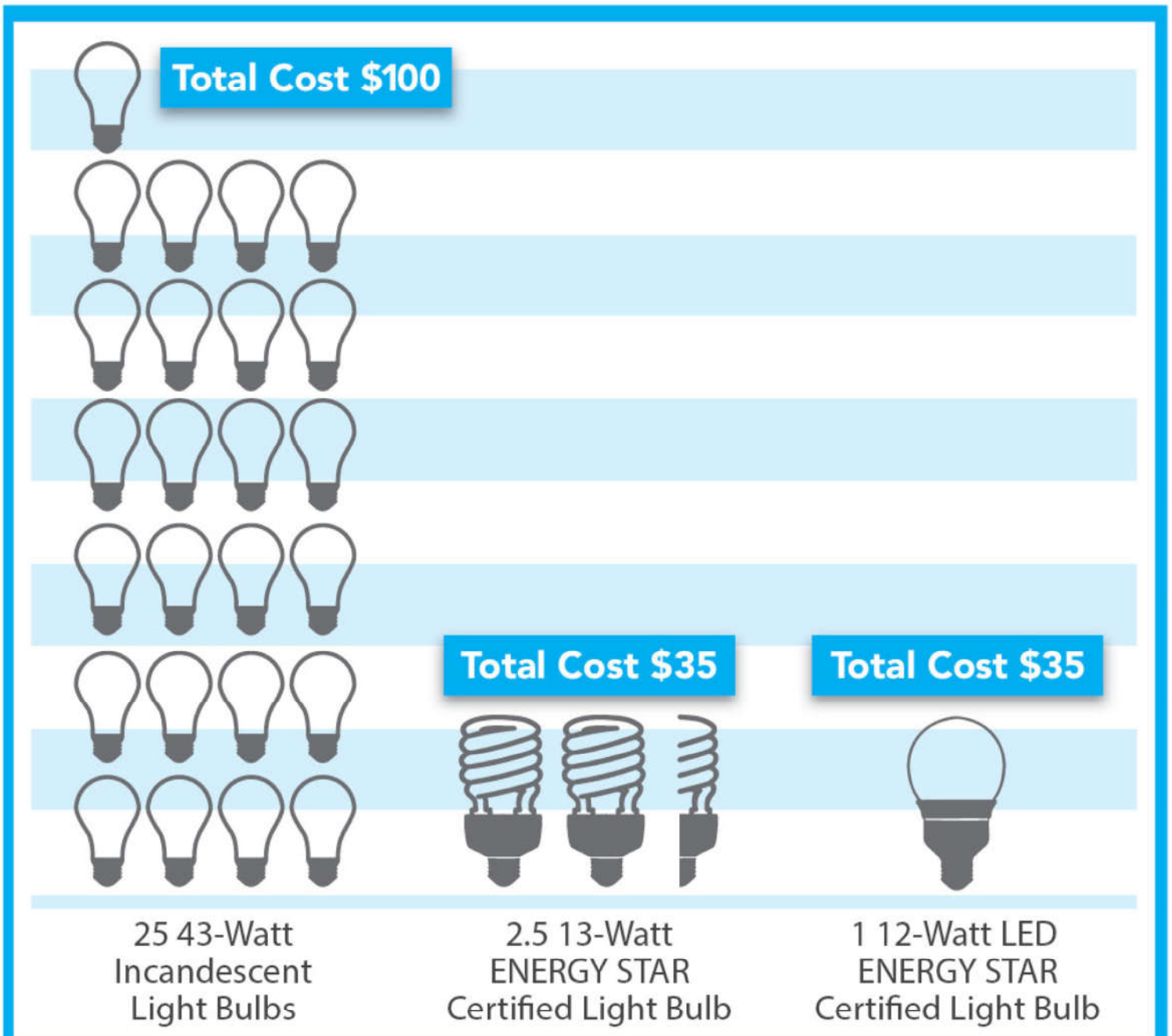


235mm



# Lifetime Savings

ENERGY STAR® certified bulbs use 70-90% less energy than incandescent bulbs, last 10 to 25 times longer, and save you \$30 to \$80 in energy bills over their lifetime.



Savings figures based on 25,000 hour LED lifetime; 10,000 hour CFL lifetime; 1,000 hour incandescent lifetime; an average lifetime electric rate of 8¢ per kWh; and an LED price of \$10, a CFL price of \$3, an incandescent price of \$0.40.