



## **Non-Residential Renewable Energy Solutions Connecticut Licensed Professional Engineer Certification of Average Annual Production of the Facility**

### **Instructions:**

Section 2 of the RFP provides conditions upon which Bidder is eligible and/or required to provide a calculation of the average annual production of the Facility as determined by a Connecticut licensed Professional Engineer. Any such calculation(s) must be consistent with the guidelines provided in Section 2.4.3.2 of the RFP. The Professional Engineer certified calculation(s) supporting this determination must be attached as a PDF to your Bid, and must be clearly marked to identify which of the following three scenarios each Professional Engineer certified calculation is referencing:

1. Project size is greater than the net load at a project site due to existing generation being removed or no longer operational within five (5) years of bid submission; and/or
2. New construction projects that are not SAM Customers are required to provide a CT Licensed Professional Engineer Certification which certifies the anticipated Customer load at the Project Site, and how such Project shall be sized so as not to exceed such anticipated Customer load at the Project Site; and/or
3. For projects indicating at the time of Bid submission that their load is expected to increase in accordance with transportation electrification (i.e., electric vehicles) and fuel switching (i.e., air source heat pumps), a Connecticut Licensed Professional Engineer certification certifying the load expected to materialize over the five years following Bid submission attributable to these items is required.

Please ensure that the supporting Professional Engineer certified calculation(s) include(s), at a minimum, the following components:

1. System Size
2. Complete project Site Address, inclusive of street number, street name, city, state, and zip code
3. Average Annual Production
4. Capacity Factor
5. System Degradation



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**1 – Existing Generation Being Removed**

Bidder hereby certifies that the submitted Project size is greater than the net load at a project site due to existing generation being removed or no longer operational within five (5) years of bid submission.

Please provide an explanation for the above scenario as it pertains to your Project:

Please attach a copy of the supporting Connecticut Licensed Professional Engineer Certification hereto labeled as Item #1. Please ensure that the Professional Engineer certified calculation includes, at a minimum, the following components:

1. System Size
2. Complete project Site Address, inclusive of street number, street name, city, state, and zip code
3. Average Annual Production
4. Capacity Factor
5. System Degradation



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**2 – Non-SAM Customer New Construction Project Bid**

New construction projects that are not SAM Customers are required to provide a CT Licensed Professional Engineer Certification which certifies the anticipated Customer load at the Project Site, and how such Project shall be sized so as not to exceed such anticipated Customer load at the Project Site.

Please provide an explanation for the above scenario as it pertains to your Project:

Please attach a copy of the supporting Connecticut Licensed Professional Engineer Certification hereto labeled as Item #2. Please ensure that the Professional Engineer certified calculation includes, at a minimum, the following components:

1. System Size
2. Complete project Site Address, inclusive of street number, street name, city, state, and zip code
3. Average Annual Production
4. Capacity Factor
5. System Degradation



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**3 – Beneficial Electrification**

For projects indicating at the time of Bid submission that their load is expected to increase in accordance with transportation electrification (i.e., electric vehicles) and fuel switching (i.e., air source heat pumps), a Connecticut Licensed Professional Engineer certification certifying the load expected to materialize over the five years following Bid submission attributable to these items is required.

Please provide an explanation for the above scenario as it pertains to your Project:

Please indicate which beneficial electrification technologies the Customer intends to purchase/install and the anticipated timeline for such purchase/installation (attach additional sheets if necessary):

| <b>Technology</b> | <b>Expected Annual Load (each)</b> | <b>Number of Units</b> | <b>Anticipated Installation Date</b> |
|-------------------|------------------------------------|------------------------|--------------------------------------|
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Please attach a copy of the supporting Connecticut Licensed Professional Engineer Certification(s) hereto labeled as Item #3. Please ensure that the Professional Engineer certified calculation(s) include(s), at a minimum, the following components:

1. System Size
2. Complete project Site Address, inclusive of street number, street name, city, state, and zip code
3. Average Annual Production
4. Capacity Factor
5. System Degradation