



## **NY-Sun Solar PV Incentive Program May 2017 Monthly Installer Call Summary May 11, 2017**

**\*\*Next contractor call is scheduled for Thursday, June, 15, 2017 at 9:00 am**

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- Sustainable CUNY's 11<sup>th</sup> annual [NY Solar \(+Storage\) Summit](#) June 21, 2017 at John Jay College in Manhattan

### **Updates to Program**

We are in the process of performing a clean-up of overdue projects. As a reminder, projects now have 365 days from the date of approval to be completed. Some projects that are already over this time frame were given a date of May 15<sup>th</sup> to submit the final invoice or an extension request. Please remember to check the project completion deadline date in Salesforce. Projects over the completion deadline dates that do not have invoices submitted or approved extensions will be cancelled. As the Contractor/Developer it is your responsibility to keep track of your project pipeline.

Also as a reminder, most residential payment applications do not require a signature. Check the program manual for details. These projects should be submitted for close out and final payment.

### **VDER Resources**

We are happy to announce a new section on the NY-Sun website, devoted to the newly-implemented Value of Distributed Energy Resources (VDER) Order. As New York State transitions away from net metering, NYSERDA will continue to aggregate and provide information for solar developers on this page.

The new page is located at [nyserda.ny.gov/VDER](http://nyserda.ny.gov/VDER), and is also accessible through the Contractors and Builders heading of the NY-Sun page. Please direct any questions on the VDER tariff to [VDER@nyserda.ny.gov](mailto:VDER@nyserda.ny.gov).

### **QA Issues**

The two most common categories cited in the QA reports are "Labeling" and "Grounding" we as an industry must improve in these two areas. You can avoid failing inspections by implementing a QA plan as part of the final system commissioning.

The following should not be occurring:

- Secondary grounding electrode is missing NEC 250.53 (D) (2) requires a secondary electrode in most cases. This can be avoided if identified as part of the initial site survey
- Top of the grounding electrode is not flush with or below ground level NEC 250.53 (G) Again easily identified as part of the initial site survey. If it is a 5/8" diameter X 8'-0" long all 8 feet must be in contact with the soil
- Conduits is missing the internal sealant where it penetrates from the outside to the inside. NEC 300.7(A), This often occurs at an "LB" conduit as the conduit enters the building. Both the outside and inside of the fitting should be sealed. Caulk is often used outside, and duct seal can be used inside. The duct seal is easily removed for wiring changes. One way to avoid this is by not installing the covers until the inside is sealed
- Modules are not properly secured to the racking system NEC 110.3(B) All mounting hardware should be properly installed, square and true with the racking and module frame. End clamps should not be installed at the very end of the rack and should allow for thermal expansion. A light "pull up/ lift up" test can insure that the modules are secure. This is a good time to also check the equipment grounding conductor (EGC). The racking system must be UL listed when used as part of the EGC. In addition to the mounting clamp, a WEEB's or other grounding method(s) are often required to bond the module frame to the EGC
- Roof Penetrations are not properly sealed and flashed. Caulk is not flashing, cracked or damaged roof shingles need to be replaced, water flows downhill, thus the flashing must tuck under the upstream shingles
- Backfeed breaker improperly located in the panel. When combined ampere ratings of the main and (125% of the inverter output) output current exceed the bus rating they must be on opposite ends of the panel
- AC Disconnect switches terminals wired backwards so when the switch is open the load terminals remain energized. If this is a fused disconnect for example the fuses should be deenergized when the switch is open
- Existing Nonconforming conditions. These should be identified early on, discussed with the customer and corrected not ignored

Thank You,

NY-Sun Team

### About NY-Sun

NY-Sun, a dynamic public-private partnership, will drive growth in the solar industry and make solar technology more affordable for all New Yorkers. NY-Sun brings together and expands existing programs administered by the New York State Energy Research and Development Authority (NYSERDA), Long Island Power Authority (LIPA), PSEG Long Island, and the New York Power Authority (NYPA), to ensure a coordinated, well-supported solar energy expansion plan and a

transition to a sustainable, self-sufficient solar industry. To learn more about NY-Sun, visit [ny-sun.ny.gov](http://ny-sun.ny.gov)

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