

Verification Testing and Inspection Checklist

for solar projects at existing company secondary facilities

This checklist will be used to conduct on site verification testing prior to Con Edison giving final acceptance for interconnection.

These checklist items are intended to cover the baseline field verification requirements; however, unique configurations, other distributed generation technologies, or operating uses may have additional requirements. Any additional requirements will be discussed prior to site verification testing.

If you disagree with a failed inspection, send an email to dl-dginspectionappeal@coned.com and your CPM. This list includes Energy Services and Distribution Engineering senior managers. The email subject line should include the case number and "Appeal of Verification Test". The email should describe in detail, as related to the verification test checklist, why you disagree with the results of the inspection. Include any documentation or photographs that are necessary. In addition, upload the email to the case in Project Center.

| Prior to Requesting Site Verification Test: Applicant Checklist | |
|--|--|
| Component | Details |
| Drawing Version | Has latest drawing version been submitted to Project Center and approved by Con Edison? |
| Pre-testing | Has applicant verified that all inverters are operational? Does applicant have testing procedures available for review during testing? (Applicant should verify whether testing restrictions are in place prior to pre-test) |
| Local municipality sign-off | Has the project passed the local building department inspection? Have Electrical/Inspection Application # and Inspection Completion Signoff Date available. |
| Attendance | The following personnel should be present: applicant, facilities representative with access, and any required technicians. |

| Site Verification Test – To Be Completed by Con Edison Engineering | | |
|---|--|---|
| Component | Details | Check box (failed steps in grey require re-inspection) |
| Disconnect Switch ("89L") | Are directions to 89L clearly marked at meter location? | |
| | Is the 89L: clearly labelled? | |
| | visibly broken when operated? | |
| | load breaking? | |
| | gang operated? | |
| Grounding | lockable? | |
| | Is the switchgear properly grounded? | |
| | Is the inverter properly grounded (if necessary)? | |
| Consistency with Submitted Drawing | Are the panels properly grounded (if necessary)? | |
| | Does the nameplate kW match approved drawing? | |
| | Does the inverter make and model match the approved drawing? | |
| Operation Check | Is the DG system interconnected to Con Edison's system as shown in the approved drawing? | |
| | Does the customer DG system pass the 5 minute test? (carried out by the customer, witnessed by Con Edison) | |
| | Is the inverter output (voltage and power) balanced? | |
| Reverse Power Relay (if applicable) | Are inverter settings as agreed upon with Con Edison, as applicable? | |
| | Is the reverse power relay connected correctly? | |
| | Is the reverse power relay programmed correctly? | |
| | Does the reverse power relay operate correctly? | |
| | Are CTs located outside of Con Edison CT cabinet? | |
| | Is the latest approved drawing laminated and posted near the meter? | |

Verification Testing and Inspections: Frequently Asked Questions

1. What is verification testing and why is it necessary?
As per Step 9 of the New York State Standardized Interconnection Requirements (March 2016), all DG systems above 50kW are to be tested prior to final acceptance and interconnection. This ensures that the system is installed as designed and is operating safely.
2. How should I prepare for verification testing?
Applicants should have completed construction as per latest drawing approved by Con Edison and ensured that all inverters are working properly. The most recent drawings must be uploaded to Project Center and been reviewed by Con Edison.
3. How do I request a verification test?
You should submit a request in writing via email to your Customer Project Manager (CPM).
4. What happens if I fail a test?
Any items above with a grey checkbox (e.g., inverter does not work) that do not pass will require re-inspection. Once the deficiency has been corrected you will need to request another test.

Other items, such as labeling, can be passed without re-inspection if a new drawing and/or photographs are submitted. Your CPM will provide details of those items. Any new submittals will be reviewed within 10 business days.

5. I disagree with the results of my inspection. How can I appeal?
If you disagree with a failed inspection, send an email to dl-dginspectionappeal@coned.com and your CPM. This list includes Energy Services and Distribution Engineering senior managers. The email subject line should include the case number and "Appeal of Verification Test". The email should describe in detail, as related to the verification test checklist, why you disagree with the results of the inspection. Include any documentation or photographs that are necessary. In addition, upload the email to the case in Project Center.

You will receive an acknowledgement of your appeal in 2 business days, and Con Edison will respond with a resolution and rationale within 10 business days.