



SunShot Initiative Rooftop Solar Challenge Inspection Recommendations for CT Jurisdictions

Make it easier for your municipality to inspect solar PV projects by establishing clear protocols for solar PV inspection. A streamlined process helps your staff easily coordinate with installers and ensure PV systems are being installed properly and safely in your community.

The below suggestions offer options for better understanding PV installations, common problem areas, and how to ensure a safe installation. Providing resources to municipal staff conducting reviews and inspections can make it easier for officials to know what the building code specifically requires for solar PV. With these recommendations, you can help make the work of municipal staff easier and less time-consuming.

Recommendations for solar PV inspection

- Provide a specific appointment time for inspections or a narrow window of time (1 hour or less)
- Be flexible with who must be present at inspection
- Release the utility CRS on the same day of passed inspection
- Require all inspectors to be properly trained and comfortable with solar PV technology
- Use an inspection checklist or post inspection requirements clearly

Resources for solar PV inspection:

- "[Field Inspection Guidelines for PV Systems](#)"¹ from IREC, or Brooks Solar.
- Minnesota Department of Labor & Industry's [Solar Checklist](#)²

Top Inspection Considerations

- Wire management
 - Labeling
 - Supply-side interconnection (per 705.12(A))
 - Load-side interconnection (per 705.12(D))
 - Grounding
-
- John Wiles' [Installer/Inspector Checklist](#)³, which outlines the general requirements found in the 2005, 2008, 2011 National Electrical Codes (NEC) — Article 690 for Photovoltaic (PV) Power System Installations, published 6/30/2011.
 - The [Solar PV Code Compliance Reference](#)⁴ is a version of John Wiles' Installer/Inspector Checklist. This document can be used as a reference by installers, municipal staff and inspectors to better understand applicable code requirements.

¹ <http://www.pvonlinetraining.org/pdf/PV-Field-Inspection-Guide-June-2010-F-1.pdf>

² http://www.dli.mn.gov/cclid/PDF/solar_checklist.pdf

³ <https://nccleantech.ncsu.edu/wp-content/uploads/INSPECTOR-InstallerCHECKLIST2011.pdf>

⁴ Available at www.energizect.com/sunrisene