



Solar Photovoltaic Field Inspection Checklist

(Subject to change in accordance with all applicable adopted construction codes)

COMMUNITY DEVELOPMENT
 BUILDING PERMITS & INSPECTIONS DIVISION
 (712) 890-5284

	PV disconnects and circuit breakers are in the open position and ready for safe inspection.
	All work done in a neat and workmanlike manner. (NEC 110.12)
	PV module model number, quantity and location according to the approved plan.
	Array mounting systems and structural connections according to the approved plan.
	Roof penetrations flashed/sealed according to the approved plan.
	Array exposed cables are properly secured, supported, and routed to prevent physical damage.
	Conduit installation according to NEC 690.31(G)
	Firefighter access according to approved plan.
	Roof-mounted PV systems have required fire classification (IBC 1505.9 or IRC R902.4).
	Grounding/bonding of rack and modules according to the manufacturer's installation instructions.
	Equipment installed, listed and labeled according to the approved plan.
	For grid-connected systems, inverter is marked "utility interactive" and/or documentation shows that inverter meets utility interconnection requirements.
	Conductors, cables, and conduit types, sizes and markings according to the approved plans.
	Overcurrent devices are the type and size according to the approved plan.
	Disconnects according to the approved plan and properly located as required by the NEC.
	Inverter output circuit breaker is located at opposite end of bus from utility supply at load center and/or service panelboard. If panel center-fed, inverter output circuit breaker can be at either end of busbar NEC 705.12(b)
	PV system markings, labels and signs according to the approved plan.
	Connection of the PV system to the grounding electrode system according to the approved plan.
	Access and working space for operation and maintenance of PV equipment such as inverters, disconnecting means and panelboards (not required for PV modules) NEC 110.26
	Rapid Shutdown System is installed and operated according to the approved plan.
	Ground mount array is stable, installed correctly. Zoning setbacks confirmed as adequate.

The City of Council Bluffs is committed to the safe development of solar for our community. Any questions or concerns about safety or solar system inspections can be directed to the Community Development Building Permits & Inspections Division at (712) 890-5284.