

SOLAR PHOTOVOLTAIC (PV) SYSTEM PLAN REVIEW CHECKLIST 2015 International Solar Energy Provisions



This checklist must be submitted with a Building Permit Application for any SOLAR SYSTEM.

Job Information		
Property Address:	Suite #	Contractor:
<input type="checkbox"/> Residential <input type="checkbox"/> Commercial		
Size of system (kw):		
Submittal Requirements		
The following documents must be submitted with application:		
<input type="checkbox"/> Contractor Registration Application with State issued id and appropriate trade license.		
<input type="checkbox"/> Building Permit Application (1 copies) (Located at http://www.kaufmantx.org/2214/Forms under Building Permit Forms)		
<input type="checkbox"/> Plan Review Checklist (1 copy)		
<input type="checkbox"/> Construction Plans (2 copies) 11"x17" paper copies		
<input type="checkbox"/> Site Plans (2 copies)		
<input type="checkbox"/> 1 usb drive if the plans are larger than 11"x17"		

Please check to ensure that the following are included in the plan submittal:

- Installed in accordance with the 2015 International Solar Energy Provisions (ISEP) as adopted by the City of Kaufman.
- Installed in accordance with the current International 2015 Fire Code (IFC) as adopted by the City of Kaufman.
- Installed in accordance with the current 2014 National Electrical Code (NEC) as adopted by the City of Kaufman.

Construction Documents:

- Site specific, stamped engineering drawings (*reviewed or designed, and sealed by a licensed professional engineer*), assembly installation plans, manufacturer's installation instructions, and/or equipment manufacturer's data sheets.
- Make, model, and quantity of module, inverter, and racking system certified to the UL 2703, UL 62109, and UL 1741 standard by a Nationally Recognized Testing Laboratory as appropriate.
- Framing plans
- Method of sealing/flashing for roof penetrations.
- Connection details to building.
- Structural calculations or load diagram.
- Data cut sheets for battery storage if applicable (including type of battery).

- Site Plan:** Include the PV array layout showing compliance with the City of Kaufman Development Code.
 - Roof plan showing location of equipment and, if required, fire setbacks.
 - Existing site easements, property lines, building setback lines, zoning setbacks.
 - Typical side view detail of the solar PV system mount on the roof (COMMERCIAL ONLY).
 - Location of all existing structures and proposed PV system equipment (*including modules, disconnects, inverters, panel boards, combiner boxes, storage batteries, utility meters, etc.*).
 - Plumbing vent termination: Vent termination is not allowed under solar installations and must be relocated or modified in accordance with the International Plumbing Code (IPC) and/or the International Residential Code (IRC).
- Fire Code Requirements:** Installation complies with Section 605.11 of the 2015 International Fire Code (IFC), or a more recent IFC version.
- Electrical Plans:** In addition to the construction documents, include a three line diagram, or a line diagram that meets the requirements of the NEC. A proper line diagram should include:
 - AC and/or DC circuit arc fault protection as required by the NEC or ordinance (if any).
 - Inverter listed to the UL 62109 or UL 1741 Safety Standard; photovoltaic module(s) listed to the UL 1703 safety standard. Listings conducted by a Nationally Recognized Testing Laboratory.
 - Inverter AC output disconnect location, utility disconnect location, and AC output over-current protection device rating.
 - Location of combiner box(es), disconnect switch, size of source circuit overcurrent protection, if required.
 - Service panel bus rating and main circuit breaker/fuse ampere rating.
 - Circuit diagram with conduit, wire type and sizes, and/or cable type and wire sizes.
 - Equipment grounding and bonding conductors and grounding electrode conductor, if applicable.
 - Battery disconnect and overcurrent protection, if applicable.
 - List of all appropriate labels and marking per ISEP, NEC and IFC requirements.

Applicant's Signature: _____

Date: _____

Print Name: _____ Contact Phone #: _____

By signing this you have agreed that all required information has been submitted. Failure to submit all information may result in a delay of your permit being issued.