

## STATE BUILDING CODE INTERPRETATION NO. I-08-15

October 20, 2015

This is in response to your request for a formal interpretation regarding grounding of solar photovoltaic (PV) systems.

**Question:**

When installing an ungrounded photovoltaic (PV) system in accordance with 690.35 of the 2011 National Electrical Code portion of the 2005 State Building Code, is the licensed electrical contractor required to upgrade the existing grounding electrode system?

**Answer:**

No, ungrounded photovoltaic power systems installed in accordance with 690.35 Ungrounded Photovoltaic Power Systems, of the 2011 National Electrical Code portion of the 2005 State Building Code, do not require a connection to the structure's grounding electrode system. The equipment grounding conductor is required to run from the inverter to the ground bar in the main panel.