Submitted by SEIA

Suggested language, substantiation in progress:

690.12 PV Arrays on Dwellings Response to Emergency Shutdown.

For PV Systems installed on roofs of buildings dwellings, , photovoltaic source circuits all PV source and PV output circuits that extend beyond 3 meters (10 feet) from the PV array shall be deenergized from all sources limited to wet location, class 2 levels or isolated from ground and from other PV source circuits within 10 seconds of when the utility supply is deenergized or when the PV power source disconnecting means is opened. When the source circuits are deenergized, the maximum voltage at the module and module conductors shall be 80 volts. emergency shutdown is initiated.

Emergency shutdown may be initiated by any of the following means:

- 1. loss of utility power,
- 2. opening of PV output circuit disconnecting means,
- 3. operation of an emergency shutdown switch, or
- 4. signal from an automated emergency control system.

All equipment required to perform emergency shutdown must listed and identified for the purpose.

Comments by JOHN WILES: All outdoor locations are considered to be wet locations by the NEC. Class 2 power limited circuits per NEC Art 725 are not applicable to PV circuits. No substantiation was offered