

Photovoltaic Online Training (PVOT) for Code Officials

Photovoltaic Online Training (PVOT) for Code Officials is an efficient way to provide high quality, standardized training to code officials in jurisdictions across the country. Course content is based primarily upon NEC 2008.

- The training provides basic knowledge needed by a code official in granting permits and performing field inspections of residential photovoltaic (PV) installations.
- There is great need for this online training, given an increasing number of PV permit applications and installations.

PVOT was initiated by the United States Department of Energy (DOE) and the Interstate Renewable Energy Council (IREC).

Course Contents

- Lesson 1: Roof Mounted Arrays & Wire Management
- Lesson 2: Electrical for Roof & Ground Mounted Arrays
- Lesson 3: Ground Mounted Arrays
- Lesson 4: Appropriate Signs
- Lesson 5: Equipment Ratings
- Lesson 6: Expedited Permitting
- Lesson 7: Interactive Game-Based Activity
 - Explore
 - Practice
 - Assessment

Types of Lessons

Page Turners

The first six lessons use a traditional method of teaching material in linear sequence, using photographs, on-screen text, video, and voice-over narration to convey information.

- Key points and common installation mistakes are highlighted.
- Thumbnail images may be enlarged for closer inspection.
- An information button, or “i-button”, allows the learner to access relevant National Electrical Code (NEC) sections.
- A multiple choice assessment quiz follows each lesson.

Game Based

The seventh module is an immersive educational game of a field inspection that challenges the learner to:

- Find PV components.
- Identify if the components are correctly or incorrectly installed.

Game-based learning can be very effective in increasing learner comprehension and retention through practice.

Continuing Education Credits (CEUs)

.6 CEUs (6 hours) will be available upon completion of the course with a score of 80% or better.

- Users who request CEUs will be contacted by the International Association of Electrical Inspectors (IAEI) with instructions for applying for CEU's.
- IAEI will contact you using the email address you provided when you created r for the course.