Agenda

Week 4 – PV Systems Types and Components

- 3:30 - 4:00 - Solar News and Current Events
- 4:00 - 5:00 - Lecture
  - PV Systems Types and Components
- 5:00 – 5:15 – Break
- 5:15 – 6:15 – Lecture
  - Inverters
Solar Industry News and Events

• Oil Spill in the Gulf Of Mexico
• Eyjafjallajokull Volcano Eruption in Iceland
• Electric Power Monthly, April 2010 Edition
  – http://www.eia.doe.gov/cneaf/electricity/epm/epm_sum.html
• 2010 Student Scholarship to ACEEE Summer Study
  – August 15–20, 2010, Asilomar Conference Center, Pacific Grove, CA
  – http://www.aceee.org/conf/10ss/scholarships.htm
Effect of Volcanoes on Solar Data

2.4 El Chichón and Mount Pinatubo Years
The volcanic eruptions of El Chichón in Mexico in March 1982 and Mount Pinatubo in the Philippines in June 1991 injected large amounts of aerosols into the stratosphere. The aerosols spread northward and circulated around the earth. This phenomenon noticeably decreased the amount of solar radiation reaching the United States during May 1982 until December 1984 due to El Chichón and from June 1991 to December 1994 due to Pinatubo, after which the effects of the aerosols diminished (Stoffel, 1993). Consequently, these months were not used in any of the TMY procedures because they were considered atypical.

Source: Users Manual for TMY3 Data Sets
S. Wilcox and W. Marion
Prepared under Task No. PVA7.6101

2.1.4 Solar Contractor

Except for those systems that are self-installed, all systems must be installed by appropriately licensed California contractors in accordance with rules and regulations adopted by the State of California Contractors State Licensing Board (CSLB). Solar installation contractors must have an active A, B, C-10, or a C-46 license for photovoltaic (PV) systems. Please see Section 2.4 for Warranty Requirements of Self-Installed systems and Section 4.10.3.8.1 for required documentation of Self-Installed systems.

Although not required, solar installation contractors are encouraged to become certified by the North American Board of Certified Energy Practitioners (NABCEP). For additional information on NABCEP, go to www.nabcep.org.

In all cases, systems must be installed in conformance with the manufacturers’ specifications and with all applicable electrical and building codes and standards.

The Program Administrator will verify that the Solar Contractor has an active license with the California Contractors State Licensing Board (CSLB), in accordance with the above requirement, during application process review.