

Siemens Power Academy TD

Power Distribution System Economics

PDEC 650

At a glance

The changing utility environment is impacting all aspects of the power utility industry, including the distribution area. In the **Power Distribution System Economics** course the overall aspects of the entire electric utility system cost structure are reviewed and analyzed, specifically the cost structure of distribution system alternatives. This course focuses on how to derive pragmatic solutions for minimizing costs in today's changing environment.

The **PDEC 650** course covers:

- Analysis of the overall electric utility system by use of a macroscopic economic model
- Generation costs as affected by investments in equipment vs. fuel
- Cost considerations for supplying base, intermediate and peak loads
- Economic effects on the system as a result of utility power purchases, sales and wheeling
- Size and economic consequences of power losses in various parts of the system: distribution system losses, customer system losses (commercial losses), and minimization (technical losses)
- Analysis of the distribution system by use of a microscopic economic model

Upon completion of this course, participants will know how to apply both macroscopic and microscopic analysis techniques to develop practical solutions, and to effectively minimize overall distribution system costs.

Prerequisites

The course requires no specialized background in distribution engineering, but does presume a general understanding of distribution system nomenclature. It will be especially beneficial to distribution engineers involved in system design, operation and equipment specification development.

Course structure

This is a two-day course. Material is presented in both morning and afternoon sessions for a total of six hours of daily instruction. Standard course hours are 9:00 a.m. to 4:00 p.m. each day.

To view the PDEC 650 Course Schedule on the web:

https://siemens.coursewebs.com/siemens/pageCourseInfo.aspx?Course_ID=PDEC_650

Instructors

All courses offered through Siemens Power Academy are developed and taught by leading industry engineers. In addition to their proven instructional ability, our engineers have advanced degrees complemented by first-hand knowledge and experience solving power system problems throughout the world.

Continuing Education Units (CEUs), Professional Development Hours (PDHs):

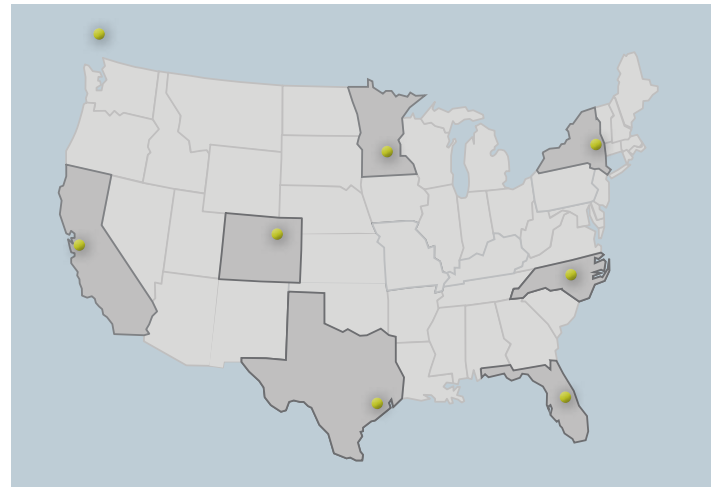
Licensed engineers, on a voluntary or mandated basis, attend continuing professional education for licensure renewal to ensure competency. All courses offered through Siemens Power Academy meet the requirements for CEUs and PDHs.

- Continuing Education Units (CEUs) are the nationally recognized units for recording participation in professional development and noncredit educational programs. Participants completing this course will be awarded CEUs based on the instructional hours of the course: one CEU is awarded for 10 classroom hours of instruction.
- Professional Development Hours (PDHs) – Continuing education training for the Professional Engineer (PE) – that needs to earn annual Professional Development Hours (PDHs). Through our instructor-led training, participants earn one PDH for each one hour of instruction. The participant is responsible for maintaining records of courses taken in support of licensure.

Convenient training locations

The course is scheduled on a regular basis at Siemens offices located throughout North America, including:

- Burlington, Ontario, Canada
- Houston, Texas, USA
- Littleton, Colorado, USA
- Minnetonka, Minnesota, USA
- Mountain View, California, USA
- Orlando, Florida, USA
- Schenectady, New York, USA
- Wendell, North Carolina, USA



Client site and custom training

All courses are available for presentation at any client's location by special arrangement. At client sites, it is recommended that sufficient computer terminals be available to enable a fully interactive and productive class, if applicable. Client site courses can also be tailored to address specific topics of local importance.

Contact us

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