



POWER SYSTEM BASICS FOR NON-ENGINEERING PROFESSIONALS

Background

IEEE PES seeks to provide a service to its profession by offering an introductory course for the benefit of the non-engineering professionals who are active in the electric utility industry and who wish to gain a better understanding of the basic principles guiding the operation and design of large electric power systems.

The course is intended to be offered to professionals who have at least a four-year university degree, not in engineering, but in law, economics, management, or any other Social Science and/or Humanities disciplines. The course will be presented “live” in front of participants who will actually be present in the classroom.

IEEE PES paid for the development of course material for this one-day course entitled Power System Basics for Non-Engineering Professionals. There are six hours of course material for the eight-hour course, assuming 30-minute morning and afternoon breaks and a one-hour lunch period.

Who Should Attend

Non-engineering professionals who have an interest in the physical nature, design, and operation of electrical power systems, including, but not limited to, legal professionals, economists, accountants, academicians, administrators, and elected and appointed government officials. Persons involved in any aspect of power system regulation may find the course particularly useful.

Learning Objectives

To provide non-engineering professionals with a better understanding of how a power system operates, what physical limits are imposed on the system and implications that policies can have on the system and its customers.

What PES Provides

PES provides the following

- Student Notes - copies of the PowerPoint slides with notes for each slide for the student. These should be printed using PowerPoint’s “Notes Pages” selection to capture the slide with corresponding notes, and a copy given to each student.
- Course Evaluation Form – each student should complete a course evaluation form, and the completed forms should be sent to the IEEE PES Executive Office.
- Certificate of Completion Electronic Template - insert student’s name and IEEE PES Chapter Chair’s name on each certificate, print, sign and give to each student after course completion.

Where and When

On the campus of the University of the Witwatersrand, from 9 am to 4:30 pm on Tuesday July 17, 2007. Contact person:

Dr. John van Coller, School of Electrical and Information Engineering, Private bag 3, Wits 2050, South Africa.

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