



PEPSE Training Outline

Day 1

Introduction

- PEPSE Overview
- Examples of PEPSE Calculations

Basics

- Components
- Streams
- Model Construction

Modeling Tips

Examples and Build Class Models

Day 2

Input

- Generic Input Data
- Stream Data
- Component Data
- Special Features
- PEPSE Calculations

Output

- Displaying and Interpreting PEPSE Output
- Troubleshooting and Debugging** –
Handout

Build Class Models

Day 3

Alternate Load Cases – Handout

Special Features

- Schedules
- Controls
- Variables
- Operations
- Special Input/Output
- Special Options

Theory

- Mass and Energy Balance
- Cycle Convergence
- Steam Turbine Efficiency Calculations

Steam Turbines – Handout

Mollier Diagrams – Handout

Day 4

Modeling Non-GE Turbines

- Expansion Line Modifications

Design Mode

- Performance Mode vs. Design Mode
- Condenser and Feedwater Heaters
- Tuning Factors
- Submodeling

Test Data Use

Excel – PEPSE Link

PEPSE Plant Applications