

PEPSE Training Agenda

September 14-18, 2020

**CURTISS -
WRIGHT**

Nuclear Power Products and Services



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
 - Tuning Factors
 - Condenser and Feedwater Heater Design Modes
 - Submodeling
- **Test Data Use**
- **Excel – PEPSE Link**
- **PEPSE Plant Applications**