

AGENDA – *OpenDSS* Virtual Training 2022

- 1) Mon Session 1 (2 hr) – Distribution system basics, OpenDSS basics and scripting**
 - i) Distribution Systems
 - ii) Introduction to OpenDSS
 - (1) What is OpenDSS?
 - (2) How Does OpenDSS Work?
 - iii) OpenDSS Basics and Scripting
 - (1) Installation and Startup
 - (2) Scripting Basics and Examples
- 2) Tues Session 2 (2 hr) – Introduction to OpenDSS-G, New Functionality in DSS, Advanced Topics**
 - i) Introduction to OpenDSS Parallel Machine
 - ii) New Functionality in DSS
 - (1) Load Shape Aggregation
 - (2) Memory Mapping
 - (3) Dynamic Expressions
 - (4) Protection Devices
 - (5) DOC (Directional Overcurrent Relay)
 - iii) Intro to OpenDSS-G, Complementary Tools, and Applications
- 3) Wed Session 3 (2 hr) – Extending Capabilities of OpenDSS via a Programming Language**
 - i) OpenDSS Flavors
 - ii) Why You Might Want to Write Some Code ...
 - iii) Basics of Controlling OpenDSS
 - (1) Load Circuit/Study
 - (2) Manipulate Circuit, Elements, and Buses properties
 - (3) Perform Simulations
 - (4) Obtain Results
 - iv) Examples
- 4) Thurs Session 4 (2 hr) – Applying DSS in R&D**
 - i) Recent EPRI's Applications
 - (1) Interoperability
 - (2) EPRI's Operations, Protection and Systems Lab
 - (3) Planning Project
 - ii) Examples of External Use