

Agenda

Electromagnetic Pulse Task Force (EMP) Workshop

July 25, 2019 | 8:30 a.m.–5:00 p.m. Eastern

NERC
3353 Peachtree Road N.E. Suite 600, North Tower
Atlanta, GA 30336

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Access Code: 737 678 983 | Password: GzZvDeui | [Join WebEx Meeting](#)

Introductions and Opening Remarks (Jim Robb)

[NERC Antitrust Compliance Guidelines](#) and [Public Announcement](#)
[NERC Participant Conduct Policy](#)

Agenda Items

- 1. EMP Task Force Introductions – Soo Jin Kim (15 minutes)**
 - a. Overview of objectives and key deliverables
 - b. Task Force charter overview – Aaron Shaw – American Electric Power (AEP)
- 2. EMP Research Efforts**
 - a. Randy Horton – Electric Power Research Institute (20 mins)
 - b. Ross Gusstromson – Sandia National Labs (20 mins)
- 3. Nuclear Effort Update – Scot Greenlee – Exelon Nuclear (20 mins)**
- 4. Defense Efforts Panel – Aaron Shaw – AEP (1 hour)**
 - a. Scott Backhaus – U.S. Department of Homeland Security
 - b. Michael Rooney – Defense Threat Reduction Agency
 - c. Colonel Douglas DeMaio – United States Air Force
- 5. EMP Vulnerability Assessments – Rey Ramos – Southern Company (1 hour)**
 - a. E3 EMP modeling capabilities – Scott Dahman – Power World
 - b. Strategic recommendations
- 6. Mitigations – Aaron Shaw – AEP (1 hour)**
 - a. Identify realistic mitigation goals

- b. Control Center and Substation Hardening Experience – Eric Easton – CenterPoint Energy
 - c. Risk Analysis Example – Scott Adams – American Transmission Company
 - d. Strategic recommendations
- 7. Identifying Critical Assets – Ken Braerman – Exelon (1 hour)**
- a. Current approaches for identifying critical assets – Micah Till – Dominion
 - b. Other industries: Natural Gas, Telecommunications, Water
 - c. Strategic recommendations
- 8. Feedback and Next Steps – Howard Gugel (1 hour)**