

# Welcome to the InfraGard Workshop December 6, 2018 Sponsors



- 8:30 Arrival
- 8:45 Welcome and Plans for the Workshop  
Mary Lasky, Chair EMP SIG, Gary Gardner, Chairman, InfraGard National
- 9:00 Senator Ron Johnson, Chairman Committee on Homeland Security and Government Affairs Introduced by Gary Gardner
- 9:30 Ambassador James Woolsey, former Director of Central Intelligence, and Major David Stuckenberg, Aide-de-camp to the Commander of Air Education & Training Command, will discuss the 2018 Air University Electromagnetic Defense Task Force Report (Spartacus) Introduced by General Ken Chrosniak
- 10:20 Break
- 10:30 Panel by Utilities with Christian Whiton, senior fellow for strategy and public diplomacy at the Center for the National Interest, moderator  
Jonathon Monken, PJM  
Don Schumacher, Connecticut Water Company  
Joseph McClelland, Director, Office of Electric Infrastructure Security, FERC
- 11:00 Ambassador Hank Cooper, former Director, Strategic Defense Initiative Organization, will discuss the Lake Wylie Pilot Study to assure the distribution of Duke Energy generated electricity through hardened infrastructure of other utility and CoOp companies to assure viable hospital and related operations. Congressman Ralph Norman, whose district includes York County/Lake Wylie, will participate.
- 11:30 BSX Communication System and EMP Testing – Chris Beck, Chief Scientist and Vice President for Policy, EIS Council
- 12:00 Congressman Doug Lamborn, Chair of the Congressional EMP Caucus
- 12:30 Lunch
- 1:30 Microgrids at a Critical Point – Dr. George Baker, Director Foundation for Resilient Societies introduction by Bill Keawert, President and CTO of Stored Energy Systems LLC
- 2:00 Cybersecurity panel – Dr. Richard Marshall, former Director of DHS Cyber Security, and George Cotter, former Chief Scientist for NSA, introduced by Steve Vollandt and Bill Harris

- 2:30 Break
- 2:45 Modeling Financial Benefits of Renewable Energy Operability during Grid Outages and Benefits for Resilience – Nick Laws from National Renewable Energy Laboratory (NREL) and Juan Torres, Associate Director, NREL
- 3:15 Brian Brooks, FBI Assistant Director, Operational Technology Division introduced by Gary Gardner
- 3:30 Update on *Powering Through* V1.0 – The Authors  
Steve Bieber, David Christensen, Bruce Churchill, Ed Goldberg, Greg Hertz, Richard Krieg, Jim LeBlanc, Chuck Nettleship, Janet Thomas, David Winks
- 4:15 Discussion Topics
- Communication and Education – David Winks
  - MicroGrids Hardening -- George Baker
  - Cyber reporting and recovery – Steve Vollandt
  - Ideal Legislation -- Mary Lasky
  - Cost Recovery – Bill Harris
- 4:45 General Discussion
- 5:00 Closing Remarks – Lasky