



RESILIENT POWER WORKING GROUP



OVERVIEW

The Cybersecurity and Infrastructure Security Agency (CISA) and the federal continuity community created the *Resilient Power Working Group (RPWG)* mission to develop best practices and supporting documentation to improve resilient power at critical facilities and sites in a cost-effective manner. The scope of the best practices includes:

- Resilient power requirements and mitigation levels.
- Emergency and backup power generation, including clean and hybrid energy systems.
- Facility/site operations and maintenance, including fuel maintenance, fuel delivery, and telecommunications.
- Power transfer systems, energy storage systems, and microgrids.
- Cybersecurity, physical security, and electromagnetic (EM) security.

RPWG BACKGROUND

The CISA-led RPWG began in October 2019 with technical, operational, and policy resilient-power subject matter experts from federal, state, and local government, together with industry and academic partners to address:

- The lack of comprehensive resilient power best practices for government.
- The need for additional expertise to delineate best practices for backup power.
- CISA's mission to collaborate and build a more secure and resilient infrastructure for improved continuity.

The effort initially focused on emergency communications infrastructure but was expanded to other critical infrastructure sectors excluding electrical and natural gas utilities with approval from CISA's Infrastructure Security Division (ISD) and CISA's National Risk Management Center (NRMCC). This decision was made both because the RPWG's Resilient Power Best Practices helps fulfill multiple CISA Strategic Objectives including Objective 2.3 to *Enhance CISA's Security and Risk Mitigation Guidance* and because the recommended best practices are the same across most critical infrastructures.

Over 40 meetings were held with the RPWG plus thousands of offline inputs were incorporated. Existing standards and guidelines were referenced where feasible. The content of all published documents was based upon the broad consensus of all participants.

RPWG MEMBERSHIP

There have been over 190 RPWG members from over 50 different entities including:

- 23 federal agencies, including DOE, FEMA, DoD, EPA, FCC, GSA, and all end-user facing divisions within CISA
- 19 private companies (utilities and consultants)
- 6 non-profits and universities
- Two (2) local and two (2) state governments

OUTPUTS

Published documents produced by the RPWG include:

- Resilient Power Best Practices for Critical Infrastructure Facilities and Sites
- Resilient Power Best Practices Factsheet

This fact sheet and the above documents may be downloaded from <https://www.cisa.gov/resilient-power-working-group> or [Communications and Cyber Resiliency Toolkit | CISA](#). Future publications may include an Assessment Worksheet.