



EMP READINESS

ASSESSMENTS:

- Types of EMP events and their potential impact on infrastructure
- Current critical infrastructure hardness
- Critical Load Prioritization
- Disaster recovery plans and procedures
- Specification of EMP hardened infrastructure systems and hardware

RPS

Relay & Power Systems

17 Colwell Lane

Conshohocken, PA 19428

Phone : 610.941.2900

FAX : 610.941.3910

RelayPowerSystems.com

PPL EMP Risk Assessment

PROJECT

PPL maintains more than 48,000 miles of power lines in central and eastern Pennsylvania and has been an industry leader for more than 30 years.

When the **National Defense Authorization Act (NDAA)**, was enacted by congress, and signed into law in December of 2016, PPL looked to RPS as a trusted partner.

The legislation requires all critical infrastructure participants, including PPL, to protect their assets from an electromagnetic pulse (EMP) event. An EMP, also sometimes called a transient electromagnetic disturbance, is a short burst of electromagnetic energy, posing a potential threat to the Power Grid. Weapons have been developed to create the damaging effects of a high-energy EMP.

As a result of this legislation, utilities will need to protect their critical assets in order to continue operations in the event of an EMP event.

SOLUTION

RPS has assembled a team of highly experienced EMP resources to help our clients understand and respond to these new demands, specify equipment on current projects that will comply with current military EMP standards and assist in developing disaster recovery plans and procedures.

Our team provided PPL a hardness assessment to review their current readiness footprint. RPS was able to provide multiple engineering and equipment specifications for existing substations and control stations across the region. Finally, RPS assisted in the creation of a disaster recovery plan, to comply with EMP standards. These key elements helped PPL comply with the new rules enacted by the NDAA.

About Us

Relay & Power Systems (RPS) is a full-service engineering and registered ISO manufacturing resource, serving industrial, commercial and utility clients who produce, deliver and consume low, medium and high voltage electrical power throughout the United States.

Relay & Power Systems, formerly **Relay Associates Inc.**, is a wholly-owned subsidiary of Rumsey Electric. Since its founding in 1895, Rumsey Electric has been a leading provider of products and services to users and consumers of power in the North Eastern United States.

