



## Energy Security Planning









**IEM is your partner in preparing for and mitigating the impacts of energy supply disruptions. Whether it's responding to power outages, fuel shortages, or other energy-related crises, IEM's experts ensure a resilient and efficient response, safeguarding critical infrastructure and the continuity of essential services.**

Complex and ever-changing challenges require novel solutions. In order to prepare for energy emergencies and the litany of security threats facing the energy sector, **multidisciplinary and innovative strategies must be implemented**. IEM understands the unique challenges faced by the energy sector. Our energy security team is comprised of experienced emergency managers and energy sector subject matter experts who specialize in providing **effective energy emergency response strategies, data-driven insights, and direct operational support** to states, territories, and the private sector for developing actionable plans, implementing practical resilience solutions, and coordinating complex multi-agency efforts.

### In-Depth Experience

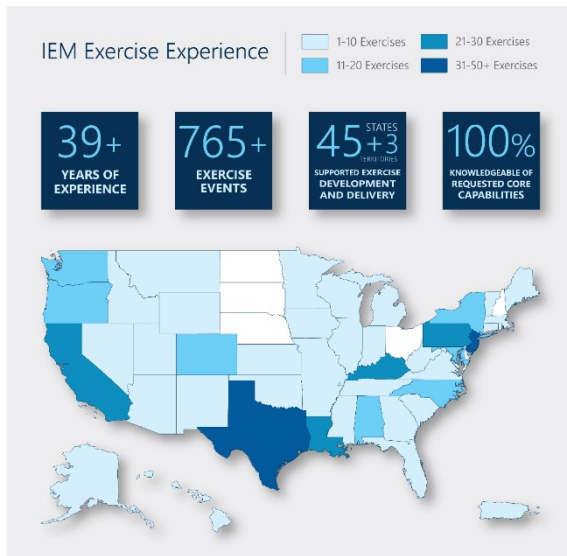
IEM provides emergency management services to support local, state, federal, and international agencies and is the **largest woman- and minority-owned emergency management company** in the country. Since 1985, IEM has continuously adapted to the evolving needs of the emergency management industry, **servicing over 600 government and private sector clients**. IEM's team of nationally recognized subject matter experts are prepared to deliver innovative strategies to support the energy industry in planning for and responding to disruptions.

### IEM Energy Security Services

-  Novel threat and hazard modeling with simulation tools that postulate physical attacks, opportunistic cyber-attacks, infrastructure failure, downstream impacts, and climate change modeling
-  Drone and GIS-aided infrastructure inspections, damage assessments, and volumetric estimates of debris for disaster-affected infrastructure
-  Full suite of customizable low-code software solutions for managing any organizational function, from grant metric tracking and compliance management to hiring and recruitment
-  Surge support and staffing, including emergency operations center (EOC) staffing
-  Energy systems planning, state and local energy security planning, comprehensive emergency response and operations planning, continuity of operations planning
-  After action reports (AAR), improvement plans, training, and exercises
-  Stakeholder engagement and outreach
-  Security and resilience applications for smart and micro-grids

## Training and Exercises

IEM's **practical and results-oriented** approach ensures our exercises yield tangible improvements.



Our exercises are designed to provide valuable insights that inform long-term planning, hazard mitigation strategies, and investment decisions. By facilitating comprehensive exercises and drawing on lessons learned, we contribute to building a **robust and adaptive emergency management program**.

Our belief is exercises can be a catalyst, transforming individual components into a cohesive and effective whole.

### Risk Assessment, Hazard Mitigation, and Benefit-Cost Analysis

IEM recognizes the critical importance of risk assessment and hazard mitigation in strengthening resilience. Our team specializes in conducting rigorous risk assessments to **identify vulnerabilities and develop targeted mitigation strategies**. Well-versed in Benefit Cost Analysis (BCA) methodologies, we ensure that mitigation investments yield maximum value. Integrating these assessments, our experts support State Energy Officials in making informed decisions that enhance community safety and disaster resilience.

### Grant Management

Navigating the complex landscape of grants is a challenge that State Energy Officials often face. Our grant management services encompass the **entire grant lifecycle**—from **application and allocation to compliance and reporting**. IEM offers expertise in directly administering and supporting clients' management of various grants including:

- DOE Grid Resilience and Innovation Partnership (GRIP)
- DOE Charging and Fueling Infrastructure (CFI) Discretionary Grant Program
- DOE Energy Efficiency and Conservation Block Grant (EECBG)
- FEMA Public Assistance (PA)
- FEMA Hazard Mitigation Grant Program (HMGP)
- FEMA Building Resilient Infrastructure and Communities (BRIC)
- HUD Community Development Block Grant - Disaster Recovery (CDBG-DR)

**By leveraging our experience, our clients maximize grant opportunities, capitalize on cost-sharing and matching strategies, secure funding, and effectively implement projects that enhance energy resilience.**

## OUR EXPERIENCE

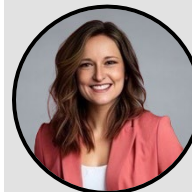
- Full-cycle GridEx support (participation, evaluation, and improvement planning)
- Pipeline and volatile liquid incident response planning
- FEMA-approved Benefit-Cost Analysis for Solar+Storage of community cooling shelters
- GIS modeling of storm surge overlaid with electrical infrastructure to determine potential impacts
- FEMA Regional Power Outage Incident Annex development
- Local long-term power outage interdependency and GAP analysis
- Disaster response surge support for states and utilities

## MEET THE EXPERTS



**Alex Amparo**

Vice President,  
Critical Infrastructure  
Alex.Amparo@iem.com



**Sydney Gilliam**

Energy Practice Lead  
Sydney.Gilliam@iem.com

## LEARN MORE

Scan the QR Code for more on IEM's Energy Security Services

