

AECOM Imagine it.
Delivered.

Statement of Qualifications

POWER INDUSTRY SECURITY





Related Power Industry Security Services

- Anti-Terrorism Threat/Vulnerability/Risk Assessments
- Mitigation Measures and Physical Security Recommendations
- Information Technology/Cyber Protection
- Environmental and Regulatory Compliance
- Chemical Facility Anti-Terrorism (CFAT) Planning
- Maritime Transportation Security Act of 2002 Compliance Assistance
- Disaster Recovery and Business Continuity
- Crisis Management Planning
- Cost/Benefit Analysis
- Evacuation Planning
- Benchmarking
- All-Hazards Planning
- Security Master Plan Design and Development
- Emergency Response Plan Design and Development
- On-Site Training and Exercise Programs
- Public Outreach

AECOM brings an unparalleled security team with a combined experience of over 100 years in the power industry. We create solutions for infrastructure, security, upgrades, and operations in sensitive environments, tailoring security solutions for clients worldwide.

According to Engineering News-Record, we are the number 3 provider of design, construction, and production services for the power industry. We have established long-term relationships with some of the world's largest power providers, and our expertise, partners, and best practices span the entire spectrum of the energy industry.

Meeting Client Needs

AECOM uses methods sanctioned by the U.S. Department of Homeland Security (DHS) and the North American Electric Reliability Corporation (NERC) to provide defense-in-depth security countermeasures for the power industry, so systems remain efficient and resilient when manmade and natural disasters strike. AECOM provides physical, cyber, and recovery solutions to meet both immediate and future needs of the energy sector and protect the Nation's power grid, including:

- Generation Facilities
- Fossil Fuel Power Plants
- Nuclear Power Plants
- Hydroelectric Dams
- Renewable Energy
- Transmission Systems
- Transmission Substations
 - Overhead, underground, and submarine transmission lines
- Distribution Systems
 - Distribution lines
 - Substations
- Control Centers (transmission and distribution)

The AECOM team is knowledgeable about the critical assets involved with generation, transmission, distribution, and energy management systems. We have designed and secured Supervisory Control and Data Acquisition (SCADA) systems for GE, Honeywell, Williams Electric, IBM, Allen-Bradley, Emerson, and Schweitzer. We provide NERC Critical Infrastructure Protection (CIP) gap analysis assessments to help our clients locate issues with their NERC CIP program before an audit. Analysis also provides critical information when beginning a NERC CIP compliance program.

AECOM provides security assessments and instituted mitigation measures for transmission lines in overseas contingency environments such as Iraq and Afghanistan through the use of static and mobile surveillance platforms for all-weather detection and incident tracking. During the Iraq War, AECOM was responsible for the protection of over 5,000 miles of transmission and distribution lines and had no disruption of critical power infrastructure.

Services

AECOM has 87,000 employees in a network of offices in nearly 150 countries. We are worldwide experts in all aspects of security, including vulnerability assessments, cyber security, contingency planning, and hands-on training.

Physical Security

Our services are designed to support the full security spectrum (deter, detect, protect, respond, and recover) for all hazards. AECOM consistently delivers an integrated approach for turnkey security solutions including:

- Conducting DHS and NERC risk assessments
- Evaluating potential threats and vulnerabilities
- Developing implementable security plans
- Developing and installing mitigation measures including:
 - Egress/access controls
 - Situational awareness/surveillance tools
 - Physical hardening
 - Security operations procedures
 - Lighting
- Response planning in unique and high-risk environments

Information and Operation Control System Security

AECOM assists the oil and gas, utilities, and transportation market segments with implementing system security policies, procedures, and regulatory compliance programs. We use our Enterprise Risk Analysis Program (eRAP) to conduct comprehensive risk analyses of critical assets, associated infrastructure, and processes required for NERC CIP compliance and have extensive knowledge and experience with NERC CIP standards. AECOM's eRAP team is currently supporting utility clients with design, implementation, and audit for NERC CIP compliance.

Our experience includes:

- Designing and implementing NERC CIP solutions for generation, transmission, and energy management
- Performing audit (NERC CIP Gap Analysis/Compliance) analysis
- Performing Control System SCADA vulnerability assessments (CIP 10)
- Conducting table top exercises to identify, prioritize, and determine potential impacts on critical assets
- External penetration testing
- Cyber security
- Awareness training
- Network topology/desktop configuration
- Data retrieval/recovery
- Policy and procedures development
- Risk management
- Technical security countermeasures

AECOM's Satisfied Power and Gas Security and Emergency Planning

Clients Include:

- Calpine
- MarkWest Energy Appalachia
- Baltimore Gas and Electric
- Constellation Energy
- Dominion Power
- GenOn
- PEPCO
- KeySpan
- Laclede Gas
- The Australia Gas Light Company
- Washington Gas
- Southwest Gas
- NiSource, Inc.



About AECOM

AECOM is built to deliver a better world. We design, build, finance and operate critical infrastructure assets for governments, businesses and organizations. As a fully integrated firm, we connect knowledge and experience across our global network of experts to help clients solve their most complex challenges. From high-performance buildings and infrastructure, to resilient communities and environments, to stable and secure nations, our work is transformative, differentiated and vital. A Fortune 500 firm, AECOM had revenue of approximately \$20.2 billion during fiscal year 2018.

See how we deliver what others can only imagine at aecom.com and [@AECOM](https://www.instagram.com/AECOM).

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