

MITRE'S ADVANCED ENERGY INITIATIVES

Energy is critical for U.S. national resilience and security.

Our public and private sectors partners rely on energy to perform their global missions. Therefore, a mission-focused, systems thinking approach is essential to improve resilience, efficiency, and performance for the safe and secure deployment of advanced energy technologies worldwide.

Tackling energy resilience through systems approaches enables innovation.

Multidisciplinary collaboration is at the heart of everything we do—our efforts in advanced energy are powered by mission-focused domain experts across 17 MITRE Labs Innovation Centers and 6 Federally Funded Research and Development Centers.

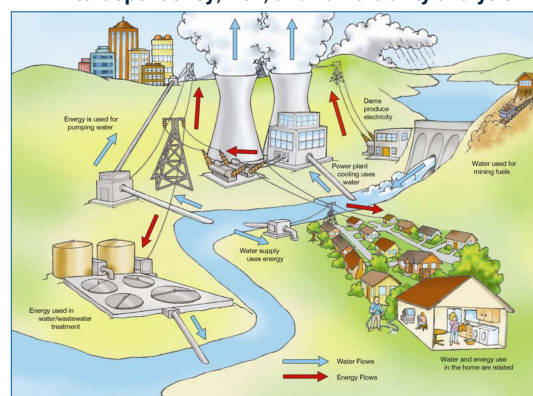
Our key focus areas:

- Data-driven analysis, modeling, and decision-tool support
- Technology assessment, evaluation, development, and deployment
- Operationally-driven experimentation, testing, and exercises

For information about MITRE's Advanced Energy expertise and capabilities, contact energy@mitre.org.

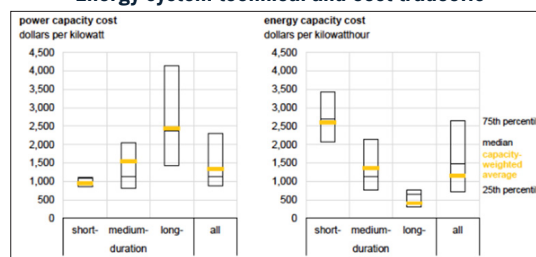
MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our public-private partnerships and federally funded R&D centers, we work across government to tackle challenges to the safety, stability, and well-being of our nation.

Data-driven analyses Interdependency, risk, and vulnerability analysis



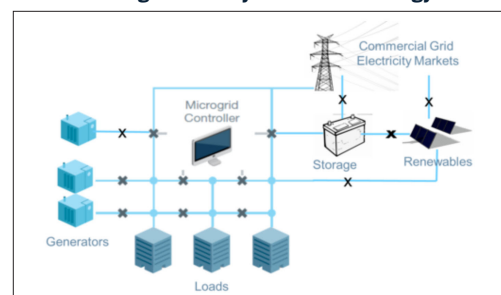
Source: Energy Demands on Water Resources, Report to Congress, Dept. of Energy, 2006

Technology assessment and evaluation Energy system technical and cost tradeoffs



Source: U.S. Energy Information Administration, Form EIA-860, Annual Electric Generator Report

Technology Development and Deployment Microgrid/Battery/Distributed Energy



Source: <https://www.serdp-estcp.org/Featured-Initiatives/Energy-Assurance-and-Resilience/Microgrids>.