Installation Energy is Mission Critical And Our Need is Vast

AVIATION
5,191 Aircraft

INSTALLATIONS
10M Acres of Land

FACILITIES
626M Sq Ft of Buildings

RESOURCES
$8B, 2.1B Fuel, 63T BTUs
There Are Various Threats to Installation Energy

**THREAT AMPLIFIERS**

- Aging Infrastructure
- Determined Adversaries
- Global Network
- Energy Approach

**THREATS**

- Cyber
- Natural
- Physical

**THREATS AMPLIFIERS**

- Global Network
- Aging Infrastructure
- Determined Adversaries
- Energy Approach
MISSION: Deliver creative installation energy resiliency solutions to meet 21st century threats.

OEA drives energy assurance projects that power mission-critical installations with more resilient, cost-effective and cleaner energy through partnerships and third-party financing.
OEA Partners with Various Stakeholders

Installations & Mission Owners

Community, State & Local, & Private Industry

Internal Air Force & Greater DoD

Associations & Labs

- Installations & Mission Owners
- Community, State & Local, & Private Industry
- Internal Air Force & Greater DoD
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Improving resilience is not just new technologies: People, Processes, and Coordination

- Organizational silos
- Bringing people together
- Comprehensive Win-Win solutions with buy-in from all parties
How Air Force Installations and Communities Interact

- Air Force Installations are located in rural and urban communities
- Airmen and families live off-base
- Major economic driver for communities
- Support state emergency response efforts
- Shared services

What are some of the ways to continue partnering with the Air Force?

Utility Partnerships & Energy Projects

Defense Support Civil Authorities
Utility Partnerships & Energy Projects

- Utility Partnerships
  - Rate-based generation assets
  - Utilities better able to prioritize restoration efforts to critical loads

- Energy Projects:
  - Altus AFB, OK
  - Beale AFB, CA
  - Hanscom AFB, MA
  - Langley AFB, VA
DoD Support to Civil Authorities

- New Jersey: Hurricane Sandy and Joint Base McGuire-Dix-Lakehurst
  - Supported regional recovery efforts
  - Emergency Operation Center
- Northern CA: Oroville Dam and Beale AFB
  - Shelter and emergency response support
- National Guard
  - Support security at events such as Marathons, Presidential Visits
How can we work together?

- We are engaged with states as advisors and collaborators
  - Oklahoma’s Energy Assurance Plan
  - Massachusetts Military Task Force Roundtable
  - Colorado Springs Collaboration
- State Grant and Study Opportunities
  - California Energy Commission Microgrid Grant Opportunity
  - Massachusetts Clean Energy Center Community Microgrid Study
- 77 Active Duty and Reserve Bases across the U.S.
Office of Energy Assurance
http://www.safie.hq.af.mil/Programs/Energy/OEA/Approach

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