

Air Force Office of Energy Assurance NASEO Annual Meeting

September 19, 2017





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

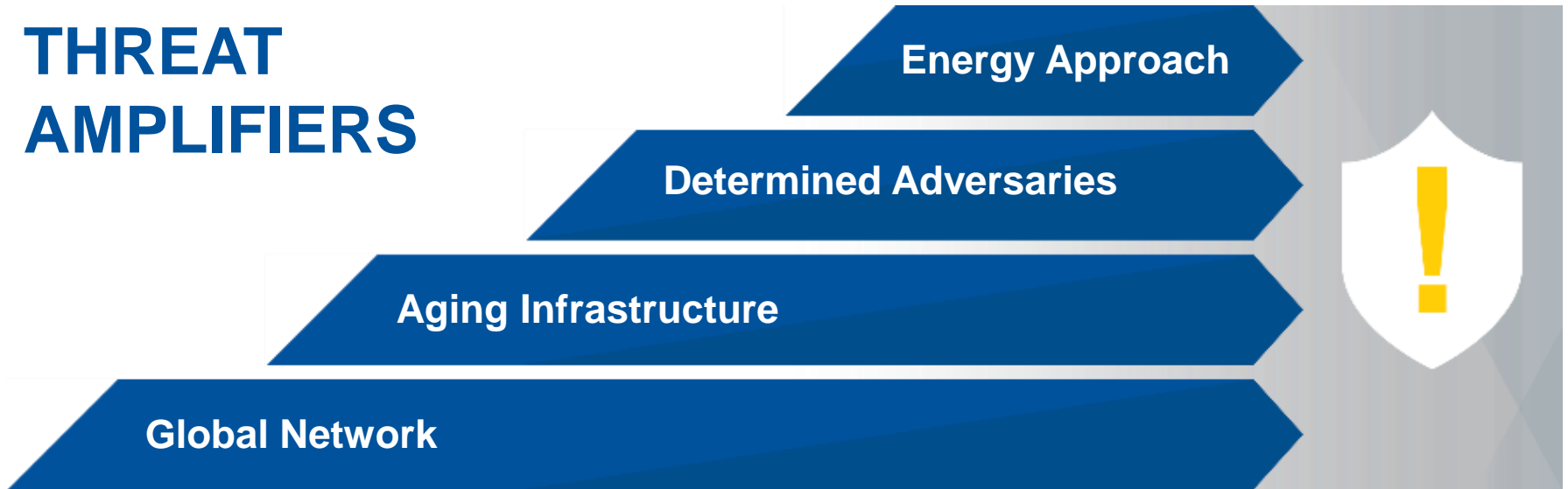




There Are Various Threats to Installation Energy



THREAT AMPLIFIERS





Mission & Vision

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.



Installations & Mission Owners



Community, State & Local, & Private Industry



Internal Air Force & Greater DoD



Associations & Labs





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**

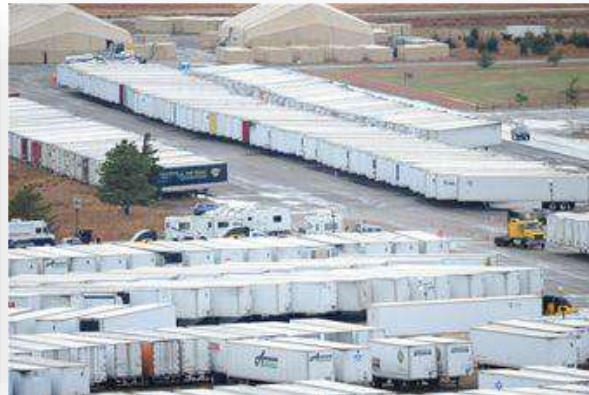
- Utility Partnerships
 - Rate-based generation assets
 - Utilities better able to prioritize restoration efforts to critical loads
- Energy Projects:
 - Altus AFB, OK
 - Beale AFB, CA
 - Hanscom AFB, MA
 - Langley AFB, VA





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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Mission Assurance through Energy Assurance

