Agenda

- Objective
- Energy Resiliency
- UESC Task Order
- Deliverables
- Outcome / Conclusion
Define Energy Resiliency & Strategy for the U.S. Army at POM while providing a clear understanding of the Utility role.
U.S. Army POM Facilities Assessment:

- Analysis of existing electrical system topology
- High-Level design for Energy Security
  - Concept for “partial Islanding”
- Define Critical Load
- Building Specific Islanding Capability
- Utility Grid Vulnerabilities
- Develop plan to change distribution voltage
Addressing energy security through a comprehensive program to ensure that we have assured access to reliable supplies of energy and the ability to protect and deliver sufficient energy to meet mission-essential requirements.

- **Resilience:**
  - the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions (E.O. 13693)

- **Energy Security:**
  - assured access to reliable supplies of energy and the ability to protect and deliver sufficient energy to meet mission essential requirements

- **Soldier:**
  - Lightening soldier power loads
  - Agility and self-reliance through renewable energy

- **Vehicles:**

- **Basing:**
  - Improving installation fuel, water and energy efficiency
  - Diversity of supply through renewable energy enhancing energy security
  - Hybrid energy solutions
  - Integration w/ micro-grids
U.S. Army – PG&E – Task Order #4

- Have a multi-million dollar BOA in place with U.S. Army 13’
- We have been awarded 6 Task Orders to date
  - UESC Bundled effort at the DMDC Facility
  - Two RCx Trainings – Specific to Army staff
  - Energy Resiliency Assessment
  - 3 Building HVAC based UESC at Presidio of Monterey (POM)
  - Upcoming UESC for Army POM – Base-wide energy project
Energy Resiliency Plan that identified:

- Options – Critical Redundant Circuits
- Islanding Concept
- Disconnect Requirements for DG on Distribution Sys.
- Feasibility of “Islanded Microgrid” for critical load
- Vulnerabilities of for Current Electric system (both sides of meter)
- Plan to phase-out existing distribution system
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