



OFFICE OF ENERGY INITIATIVES

Securing Army installations with *energy*
that is *clean, reliable* and *affordable*

Federal Utility Partnership Working Group Seminar

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Assistant Secretary of the Army (Installations, Energy & Environment)

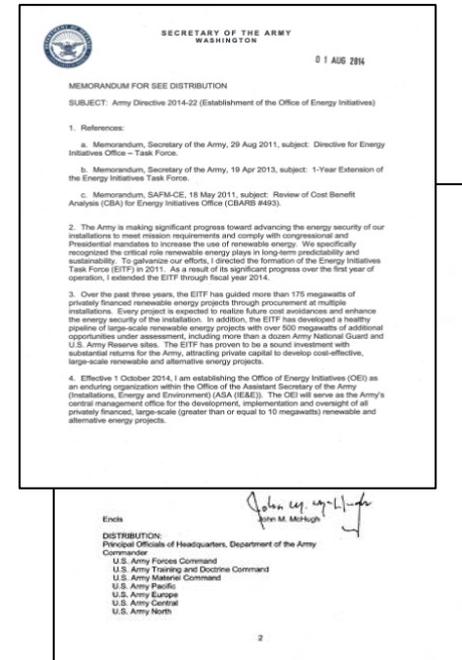
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Office of Energy Initiatives



- The Energy Initiatives Task Force (EITF) transitioned to the Office of Energy Initiatives (OEI) on October 1, 2014
- The OEI is an enduring organization within the Office of the Assistant Secretary of the Army (Installations, Energy and the Environment) (ASA (IE&E))
- The OEI serves as the central management office for the development, implementation and oversight of all **privately financed, large-scale** renewable and alternative energy projects
- Projects **equal to or greater than 10 MW**
 - Will work closely with installations for 1- 10 MW opportunities
 - Potential for projects that exceed Army requirements
- Solar, Wind, Biomass and Geothermal technologies
- Uses existing DOD land-use and third-party financing authorities



The OEI's projects will help ensure the Army's goal to deploy 1 GW of renewable energy projects by 2025

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Enhancing Energy Security



Acts of Man



The scene of a shooting and oil spill at a San Jose PG&E substation on April 16, 2013. (CBS)

Acts of Nature



High-voltage power lines with grid connection to Redstone Arsenal devastated by tornado on April 26, 2011. (TVA)

Securing Army Installation Energy



Tiered Energy Security Integration approach

- I. Coverage of total installation requirements from on-site generation
- II. Production capacity to maintain critical loads in emergency situations
- III. Designed to easily integrate with future energy security infrastructure

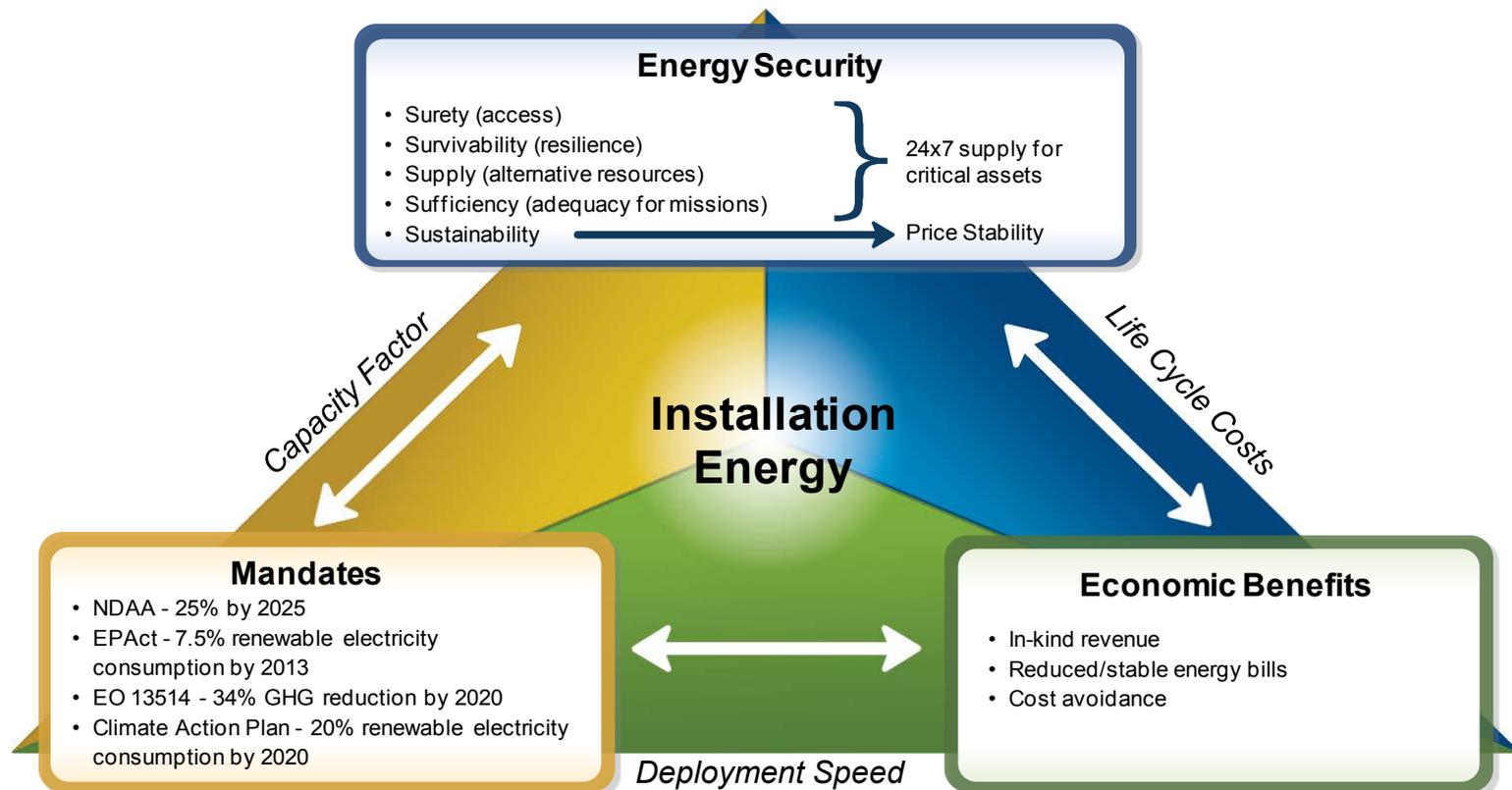
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A Balanced Enterprise Approach



Securing Army Installations with *energy*



that is *clean, reliable, and affordable*

Creating a balanced pipeline of opportunities serving three driving principles

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Energy Contract Options



- We currently have three Energy Contract options:
 - GSA Area Wide Contract;
 - Power Purchase Agreement (PPA); and
 - Enhanced Use Lease (EUL)
- We anticipate being able to use a fourth option in the near future – Municipal Service Agreements (MSA)



GSA Area-Wide Contract



- Takes advantage of existing installation contracts making the process quicker
- 10 year term; Federal government historically renews
- Can procure any type of existing utility service
- Authority 10 USC 2668 (easement for land)



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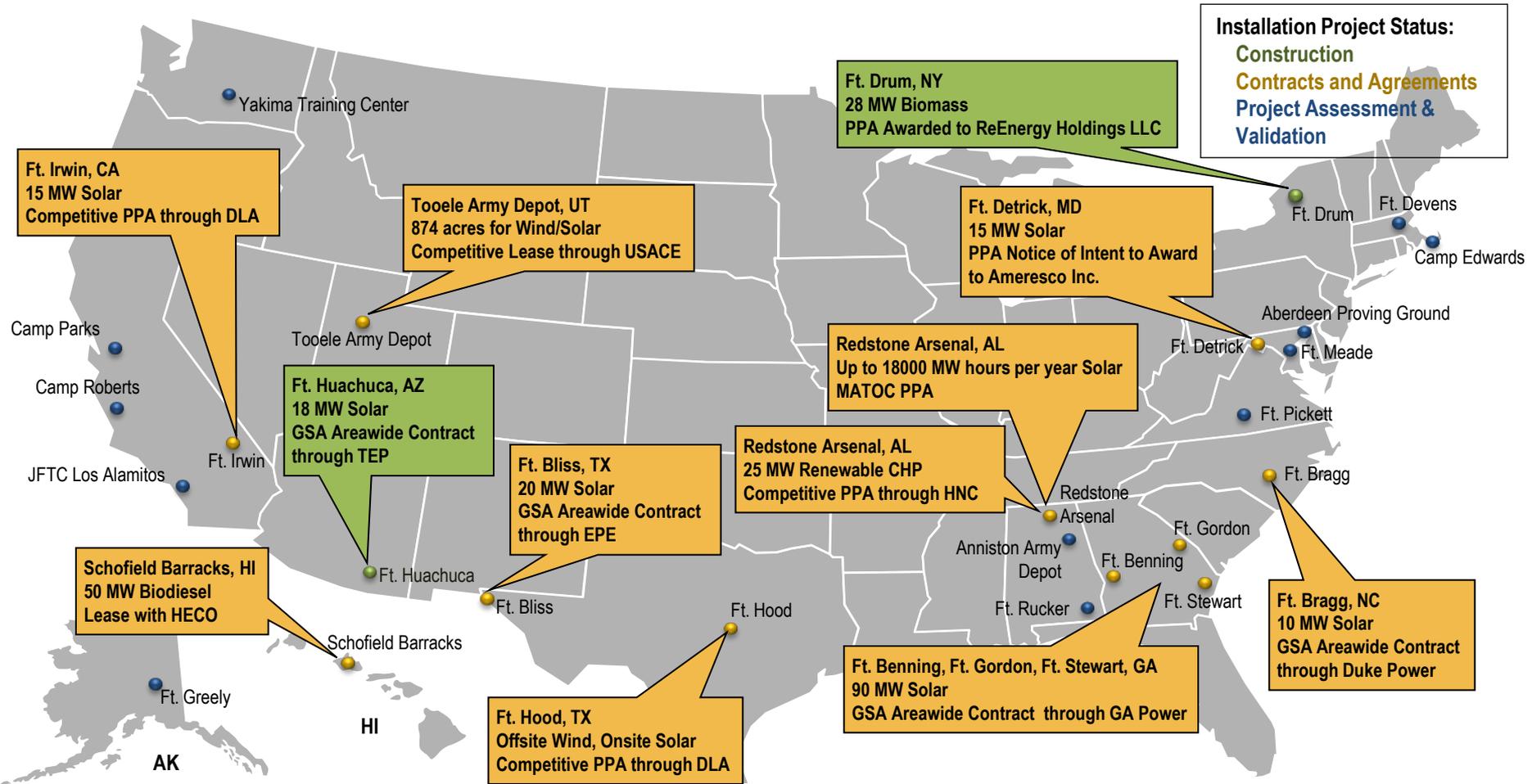
Municipal Service Agreements



- Section 331 of the FY2013 NDAA
- Sharing of services between installations and local municipalities
- Reutilization of government land and real property
- May reduce facilities and service costs for all
- Provides Local Communities, Local Solutions



Army Large-Scale Renewable Energy Projects

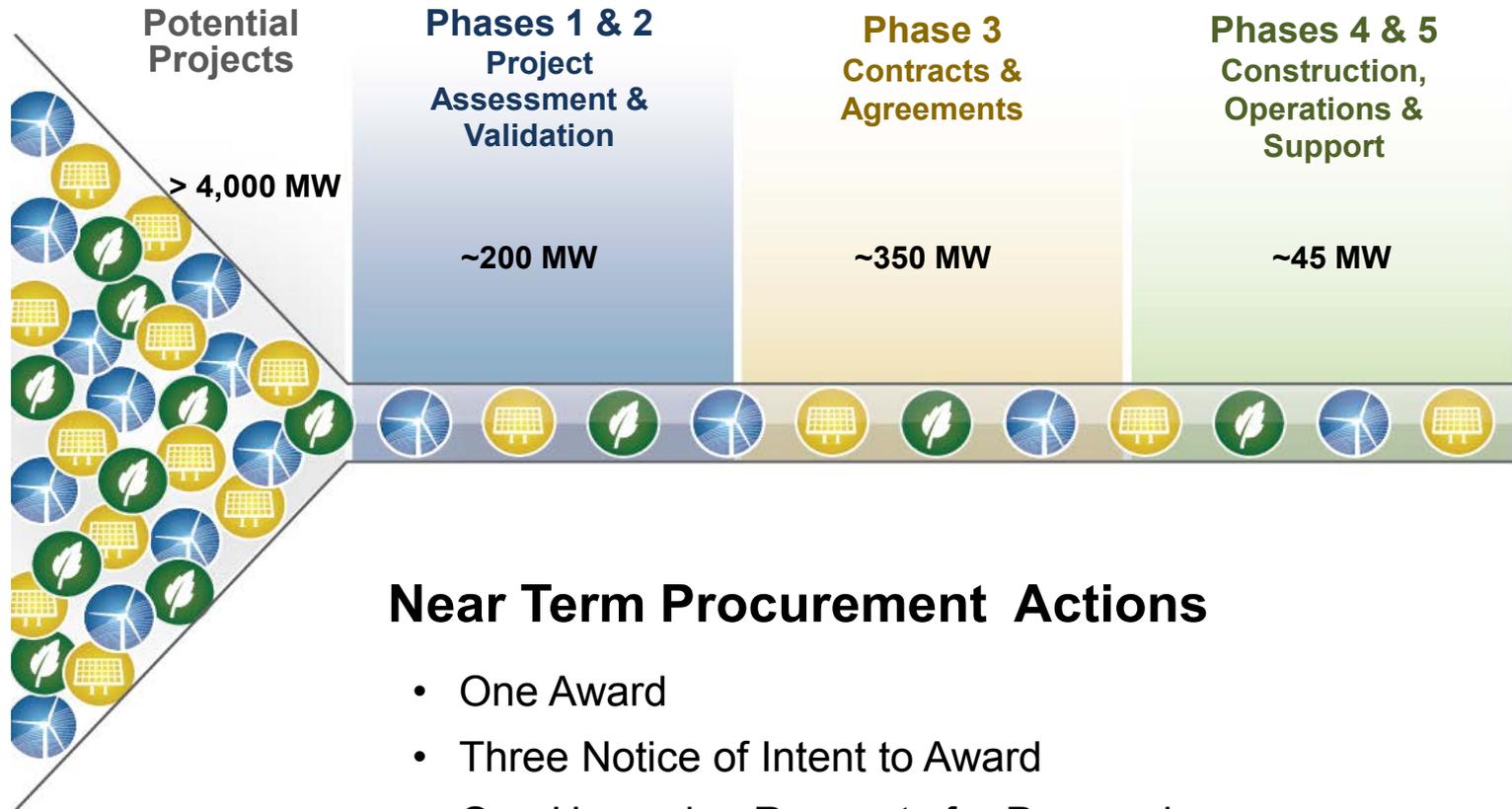


Contributing >30% Towards Army's 1 GW Goal

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Enterprise-Wide Portfolio



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Wrap Up



- Energy and energy security continue to be key components to enhance Army mission capability and effectiveness.
- Renewable energy is and will continue to be a significant part of the Army's energy security strategy.
- Through the OEI, the Army is aggressively developing new and efficient business models to support the rapid deployment of 1 GW of renewable energy by 2025.



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