



Fort Hood Large-Scale Renewable Energy Solar & Wind Project

About OEI

The Office of Energy Initiatives (OEI) centrally manages, develops, and executes large-scale renewable energy projects, 10 MW or greater, by leveraging private financing. Renewable energy produced on Army installations increases energy security, enhances mission effectiveness, and provides a means to temper rising energy costs.

About Fort Hood

- Fort Hood is located in central Texas, approximately 60 miles north of Austin, in the middle of four rapidly growing metropolitan areas – San Antonio, Austin, Houston, and Dallas - Fort Worth
- Fort Hood is the largest active duty armored post in the U.S. Armed Services
- Fort Hood covers more than 218,000 acres of land and has a population of approximately 80,000
- Fort Hood is home to III Armored Corps, 1st Cavalry Division, and the 1st Army (Division West)

About DLA Energy

For more than 70 years, Defense Logistics Agency (DLA) Energy has provided the Department of Defense and other government agencies with comprehensive energy solutions in the most effective and efficient manner possible. DLA Energy is a primary-level field activity of the Defense Logistics Agency, and is co-located at Fort Belvoir, Virginia. DLA Energy is one of OEI's acquisition partners supporting renewable project efforts.

Defense Logistics Agency (DLA) Energy, in coordination with the U.S. Army Office of Energy Initiatives (OEI) and Fort Hood, issued a Notice of Intent to Award (NOIA) to Apex Clean Energy, Inc. for a large-scale renewable energy solar and wind project at Fort Hood, Texas. Although the NOIA does not constitute a formal contract award, this step moves the project closer to construction and production.

Project Details

Once complete, the combined solar and wind project will have a capacity of 65-85 megawatts (MW), alternating current (AC).

- The onsite solar renewable energy generation system is expected to be 15-25 MW AC*
- Energy purchased from the onsite solar system will be combined with energy from a 50-60 MW AC offsite wind facility to strengthen the economic viability of the project
- The Fort Hood project will be micro-grid capable to enhance energy security
- Onsite energy generation increases energy security and resiliency which is essential to mission effectiveness
- The project will bring the Army closer to its commitment to the President of deploying one gigawatt of secure, renewable energy by 2025

Project details will be refined prior to a Contract Award.

**Alternating Current (AC) is provided to consumers. Inverters convert the direct current (DC) from solar panels to AC and losses occur during conversion. ~15-25 MW AC = ~18-30 MW DC*



Proposed Project Site



U.S. Army photo by Sgt. Ken Scar, 7th Mobile Public Affairs Detachment

