

Carbon Pollution-Free Electricity

Leveraging its scale and procurement power, DAF is participating in a DoD-wide initiative to pilot new electricity procurement approaches to achieve 100% carbon pollution-free electricity by 2030.

Why it Matters

As one of the largest energy consumers, the Department of Defense has a unique opportunity to catalyze private sector investment and expand the economy and American industry by transforming how we build, buy, and manage electricity, vehicles, buildings, and other operations.

DAF is participating in a DoD-wide initiative to accelerate the deployment of clean energy and decrease greenhouse gas emissions, while enhancing installation energy resilience through a series of pilot projects to explore new electricity procurement approaches to achieve 100% carbon pollution-free electricity (CFE) by 2030. The pilots will help ensure secure energy supplies for military installations, while mitigating price volatility.

Key Focus Areas

1. In 2022, Defense Logistics Agency (DLA) issued a Notice of Opportunity (NOO) for North Carolina and South Carolina and a Request for Proposal (RFP) in Texas for the purchase of CFE in these regions, where multiple DAF installations are located.
 - The NOO will support Seymour Johnson Air Force Base (AFB), North Carolina, and Shaw AFB, South Carolina.
 - The RFP will apply to eleven installations in Texas, including three DAF bases: Dyess AFB, Ellington Field Joint Reserve Base (147th Texas Air National Guard), and the 149th Texas Air National Guard.
2. DAF is partnering with the DLA to execute a power purchase agreement with a third-party developer, who will license, own, and operate a micro-reactor to deliver electricity on Eielson AFB property in exchange for DAF's long-term purchase of the energy it generates.
3. DAF is also working with the Defense Innovation Unit to leverage enhanced geothermal technology to meet installation electricity needs at Mountain Home AFB, Idaho and Joint Base San Antonio, Texas.



The Department of the Air Force is taking a resilience-focused approach to future energy and water projects concentrated on providing strategic agility for missions and installations.

For more information:

 safie.hq.af.mil/InstallationEnergy

 AirForceEnergy  @AFEnergy

