



# Carbon Pollution-Free Electricity

*DAF is exploring use of next-generation technologies and participating in pilot projects for 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 multiple pilot projects to accelerate the deployment and adoption of carbon pollution-free electricity (CFE) through a combination of purchased, grid-supplied, and onsite generated CFE. The pilots will help align DAF's clean energy and installation energy resilience goals, while mitigating price volatility.

## Key Focus Areas

1. DAF is participating in over a dozen pilot projects with electrical utilities and grid operators around the country where more than 50 DAF installations are located. Early achievements include:
  - In October 2023, Little Rock Air Force Base (AFB) enrolled in Entergy Arkansas's "GoZero" tariff, for CFE delivery starting in January 2024.
  - In January 2024, the Defense Logistics Agency (DLA) Energy Office awarded Duke Energy a contract to provide CFE from solar projects in Duke's service territory to Seymour Johnson and Shaw AFBs. CFE delivery is expected October 2026.
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 also partnered with the Defense Innovation Unit to solicit third party vendors to conduct feasibility studies and geophysical testing for geothermal energy production capability 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](https://safie.hq.af.mil/InstallationEnergy)

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