



DEPARTMENT OF THE AIR FORCE  
WASHINGTON DC

OFFICE OF THE ASSISTANT SECRETARY

MEMORANDUM FOR AF/A4C  
AFCEC/CC  
AFIMSC/CC  
SF/COO

FROM: SAF/IEE  
1665 Air Force Pentagon  
Washington DC 20330-1665

SUBJECT: Achieving Carbon Pollution-Free Electricity (CFE) Targets

As directed in the Department of the Air Force (DAF) Climate Action Plan (Ref. 1), Executive Order 14057 (Ref. 2), *Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability*, and Implementing Instructions for Executive Order 14057 (Ref. 3), and in accordance with the authority in Department of the Air Force Instruction 90-1701 (Ref. 4), *Installation Energy and Water Management*, this memorandum instructs that the DAF:

- a) Achieve 100 percent CFE on a net-annual basis by 2030, including 50 percent 24/7 CFE matching, within the United States<sup>1</sup>.
- b) Prioritize the development of onsite CFE production when such projects contribute to installations' energy resilience efforts, as derived from Installation Energy Plans (IEPs) or headquarters vulnerability assessments, and in alignment with the Clean, Agile, Secure, Efficient (CASE) Framework.
- c) Support Department of Defense (DoD)-wide CFE procurement initiatives.
- d) Participate in whole-of-government CFE procurement pathways for Federal agencies.

DAF is working towards 100 percent CFE consumption on a net annual basis by 2030, including 50 percent 24/7 CFE matching, within the United States. "Carbon pollution-free electricity" or "CFE" includes electrical energy produced from resources that generate no carbon emissions, including marine energy, solar, wind, hydrokinetic (including tidal, wave, current, and thermal), geothermal, hydroelectric, nuclear, renewably sourced hydrogen, and electrical energy generation from fossil resources when there is active capture and storage of carbon dioxide emissions that meets U.S. Environmental Protection Agency requirements. "24/7 CFE" is CFE procured to match actual electricity consumption on an hourly basis and produced within the same regional grid where the energy is consumed.

DAF will achieve the CFE goal through purchased, grid-supplied, and onsite generated CFE and purchased energy attribute certificates (EACs). Purchased EACs will be focused on scenarios involving replacement EACs or purchase of EACs associated with DAF's share of grid-supplied CFE. CFE is an important strategy to reach DAF's net-zero emissions installation portfolio target, as established in the DAF Climate Action Plan.

The DoD is actively pursuing the target for 100 percent CFE by 2030. The Office of the Secretary of Defense (OSD) circulated a draft CFE Policy Memo, anticipated for release in Fall 2023, and is incorporating CFE requirements into DoD policy, including forthcoming updates to DoD Instruction 4170.11 (Ref. 5), *Energy Management*. OSD is standing up a DoD CFE Program Management Office (PMO) within the Defense Logistics Agency (DLA) Energy Office to plan and support enterprise-wide CFE procurements. The CFE PMO will present planned aggregated procurement initiatives to a CFE Steering Council for approval prior to

<sup>1</sup> Per the Implementing Instructions for Executive Order 14057, the CFE target applies to Federal facilities in the fifty States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, and the Northern Mariana Islands, and associated territorial waters and airspace.

execution. The CFE Steering Council will include leaders from the Services, OSD, and DLA, including the Assistant Secretary of the Air Force for Energy, Installations, and Environment (SAF/IE). DAF will support the DoD-wide CFE procurement initiatives.

In addition, Federal agencies are collaborating on whole-of-government CFE procurement pathways, such as General Services Administration and Department of Energy-led CFE tariff initiatives. DAF will consider participating in the whole-of-government procurement pathways, unless a DoD aggregated effort is planned in the same market area.

DAF support for the DoD-wide CFE procurement initiatives and whole-of-government CFE procurement pathways may include providing data on electricity usage and cost at installations, evaluating utility rate options, assessing availability of land for onsite CFE generation, and coordinating the appropriate approvals and funding for participation in these procurement efforts. The Office of the Deputy Assistant Secretary for Environment, Safety, and Infrastructure (SAF/IEE) will coordinate with representatives from DAF installations, the Air Force Civil Engineer Center (AFCEC), and the Air Force Installation and Mission Support Center (AFIMSC) in support of the DoD-wide and whole-of-government CFE initiatives.

DAF installations in the United States that are not involved in the DoD-wide or whole-of-government CFE procurement initiatives should pursue opportunities for CFE procurement when their electric utility contracts are being renewed or negotiated. Installations can contact the Air Force Office of Energy Assurance (AFCEC/CN) and/or the Air Force Installation and Mission Support Center (AFIMSC) for reach-back support.

DAF installations and AFCEC should take CFE priorities into consideration during planning of onsite electricity production. Onsite CFE production will be prioritized when such projects contribute to installations' energy resilience efforts, as derived from IEPs or headquarters vulnerability assessments. DAF will consider whether onsite CFE can assist in meeting the requirement of Air Force Policy Directive 90-17 (Ref. 6), *Energy and Water Management*, to be able to provide the energy and water necessary to support critical missions, independent of commercial infrastructure, for at least seven days or the time needed to relocate the mission, whichever is longer. DAF will also explore the potential for Enhanced Use Leases and Energy Assurance Leases to align and achieve CFE and mission goals.

My points of contact for this matter are Mr. Douglas Tucker ([douglas.tucker.4@us.af.mil](mailto:douglas.tucker.4@us.af.mil), COMM 703-693-9544) and Ms. Judith Willis ([judith.willis@us.af.mil](mailto:judith.willis@us.af.mil), COMM 703-479-5937).

NANCY J. BALKUS, P.E., SES  
Deputy Assistant Secretary of the Air Force  
(Environment, Safety, and Infrastructure)

6 Attachments:

1. DAF Climate Action Plan
2. Executive Order 14057, *Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability*
3. Implementing Instructions for Executive Order 14057
4. Department of the Air Force Instruction 90-1701, *Installation Energy and Water Management*
5. DoD Instruction 4170.11, *Energy Management*
6. Air Force Policy Directive 90-17, *Energy and Water Management*