



DEPARTMENT OF THE AIR FORCE  
WASHINGTON, DC 20330-1000

OFFICE OF THE ASSISTANT SECRETARY

November 25, 2019

MEMORANDUM FOR ALMAJCOM

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

SUBJECT: Decision Processes and Waiver Procedures for Dual Fuel Generators [Diesel (or other liquid fuel) / Natural Gas]

REFERENCES: (a) Unified Facilities Code (UFC) 3-540-01, *Engine-Driven Generator Systems for Prime and Standby Power Application*  
(b) MIL-STD-3007F, *Standard Practice for Unified Facilities Criteria and Unified Facilities Guide Specifications*  
(c) AFI 32-1062, *Electrical Systems, Power Plants and Generators*

Unified Facilities Code (UFC) 3-540-01 *Engine-Driven Generator Systems for Prime and Standby Power Application* precludes the use of diesel (or other liquid fuel) / natural gas dual fuel units on USAF installations. With the growing need to implement energy resilience strategies, the USAF recognizes that there may be applications where use of dual fuel generators is technically and economically justified. The DOD *Standard Practice for Unified Facilities Criteria and Unified Facilities Guide Specifications* (MIL-STD-3007F) allows each service or defense agency to maintain its own internal process for granting waivers. The following process is for implementation at all USAF installations where the installation of dual fuel generators is desired.

Effective immediately, installations interested in installing dual fuel generators shall utilize the following justification and waiver process:

Dual Fuel Generator Decision Process

A waiver may be requested if one or more of the following requirements are met:

- A dual fuel generator is being installed to address a need identified in an Installation Energy Plan (IEP)
- A dual fuel generator was identified in an engineering assessment, ERA tool output, or a comparison of alternatives analysis as a technically sound and cost-effective measure for achieving energy resilience.
- The associated asset, building, or load, is mission-critical and/or there is a potential for single fuel interruption.

Dual Fuel Generator Waiver Process

Once a dual fuel generator is deemed appropriate based on the above process, the Base Civil Engineer (BCE) or other assigned representative from the installation will be required to

submit a waiver request in addition to the generator authorization request to AFCEC/CO. The waiver request shall be a separate memorandum from the generator authorization request and must contain the information described in the following bullets. The request should still follow the templates in Attachment 2 of AFI 32-1062, *Electrical Systems, Power Plants and Generators*.

The waiver must include technical and financial justification (including to address needs identified in an IEP) with either of the following:

- The specific strategy addressed in the IEP
- The assessment or analysis (including ERA tool output or COAs) indicating that dual fuel generators are technically and financially feasible to address resilience needs at the installation. The justification should include quantitative justification such as ability to withstand grid outages of longer duration, improved redundancy, or other measure of resilience. Indicate critical assets or loads served and/or indicate potential for single fuel interruption (High, Medium, or Low).

Waiver requests will be reviewed by AFCEC/CO. AFCEC/CO will forward the waiver along with their recommendation to the Office of Energy Assurance (OEA). OEA will package the waiver, generator authorization request, and AFCEC/CO recommendation and forward to the Facility Energy and Water Board for final review. The approval authority will be SAF/IEE.

This process will ensure that all appropriate resilience strategies are pursued at USAF installations. My point-of-contact is Ms. Kathleen Richardson SAF/IEE, [kathleen.c.richardson.civ@mail.mil](mailto:kathleen.c.richardson.civ@mail.mil).

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