THE UNDER SECRETARY OF DEFENSE
3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3010

ACQUISITION
AND SUSTAINMENT

AUG 28 2023

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
CHIEF OF THE NATIONAL GUARD BUREAU
COMMANDERS OF THE COMBATANT COMMANDS
DIRECTORS OF THE DEFENSE AGENCIES AND FIELD ACTIVITIES

SUBJECT: Clarification of Electrification of Standard Building Operations

On March 29, 2023, I issued a memorandum requiring DoD Components to take steps to maximize the use of all-electric technologies in building design, construction, repair, and operations. A copy of that memorandum is attached. The following clarifies the scope of the March 29, 2023, memorandum.

The policy and requirements outlined in the March 29, 2023, memorandum apply to all new construction and major renovation projects carried out by the DoD components regarding building design, construction, repair and operations of facilities on military installations regardless of the funding source.

My point of contact for this matter is Mr. Gerald Johnson who may be reached at 703-693-5656 or gerald.r.johnson62.civ@mail.mil.

William A. LaPlante

Attachment:
As stated

cc:
Commander, U.S. Army Corps of Engineers
Commander, Naval Facilities Engineering Systems Command
Commander, Air Force Civil Engineer Center

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29 MAR 2023

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
CHIEF OF THE NATIONAL GUARD BUREAU
COMMANDERS OF THE COMBATANT COMMANDS
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Electrification of Standard Building Operations

In accordance with Executive Order (EO) 14057 and the 2022 National Defense Strategy (NDS), the Department of Defense (DoD) will implement steps to reduce its energy consumption and ensure energy resilience and reliability. Effective immediately, DoD Components must incorporate into building design, construction, repair, and operations, requirements that maximize the use of all-electric technologies to leverage the Department's growing investment in microgrid technology to support mission assurance.

- For new military construction and major renovation projects that has not yet reached schematic design phase (up to 15 percent design), DoD Components will include in building designs the use of all-electric technologies for system components, including for space conditioning, water heating, cooking, and laundry, where market ready technologies exist. Where a project design has progressed past schematic design, but has not yet reached 35 percent design, DoD Components will include in designs the necessary infrastructure to enable future electrification of building systems for space conditioning, water heating, cooking, and laundry. This includes, but is not limited to, increasing sizing of conduit runs, utility chases, and electrical panels and wiring to support future building electrification.

- For existing buildings, DoD Components will implement the use of all-electric technologies where market ready technologies exist, for building system components, including space conditioning, water heating, cooking, and laundry systems, upon a system's expected end of useful life, unexpected system failure, or when buildings will undergo major renovation where various system components will be replaced as part of facility restoration and modernization.

- Components are encouraged to electrify district plants as soon as practical. For buildings connected to a DoD-owned, non-electric powered district plant utility, DoD Components may continue to use the plant through the end of its useful life or until replacement becomes cost effective or advantageous to the Government. Components will not refit existing non-electric powered district plants to extend their useful life or increase their capacity. All new district plants are subject to the same electrification requirements stated above for military

construction projects. DoD Components must ensure the workforce is trained and equipped to operate and maintain all-electric systems.

Exceptions to this policy may be permitted in climate zones where all-electric technologies are not currently practicable. In requesting an exception, DoD Components must provide documentation that all practical electrification of covered systems has been implemented and provide a written analysis of alternatives assessed for any system for which an exception is requested. The Military Department Assistant Secretaries for energy, installation and environment matters will be responsible for adjudicating requests and documenting justifications for all exceptions granted, to include for buildings used by Defense-Wide components on their respective military installations. The Assistant Secretary of Defense for Energy, Installations and Environment (ASD(EI&E)) will be provided a copy at osd.pentagon.ousd-a-s.mbx.asd-eie-con@mail.mil within 30 days of all exceptions granted.

This policy does not apply to systems and equipment where host nation requirements or agreements prohibit compliance. Systems and equipment are also exempted where they are used for unique agency research, manufacturing, industrial and process loads for which all-electric technology is not practicable, provided the DoD Components separately submeter and account for these loads on a regular basis. Examples include laboratory research activities; equipment research and testing such as jet engines; material heating, melting, forming; or unique ceremonial activities such as eternal flame memorial lighting. Additionally, emergency use generators are exempt from compliance with this policy as long as they are not utilized for non-emergency load shedding or peak demand shaving. This policy with additional guidance will be incorporated into the appropriate DoD Instructions and Unified Facilities Criteria.

My point of contact for this matter is Mr. Gerald Johnson, Office of the Deputy Assistant Secretary of Defense for Construction, at 703-693-5656 or gerald.r.johnson62.civ@mail.mil.

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William A. LaPlante

cc:
Commander, U.S. Army Corps of Engineers
Commander, Naval Facilities Engineering Systems Command
Commander, Air Force Civil Engineer Center