



UNITED STATES MARINE CORPS
MARINE AIR GROUND TASK FORCE TRAINING COMMAND
MARINE CORPS AIR GROUND COMBAT CENTER
BOX 788100
TWENTYNINE PALMS, CALIFORNIA 92278-8100

CCO 4100.4
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JAN 21 2015

COMBAT CENTER ORDER 4100.4

From: Commanding General
To: Distribution List

Subj: UTILITIES AND ENERGY CONSERVATION

Ref: (a) Public Law 110-140, "Energy Independence and Security Act of 2007," December 19, 2007
(b) Public Law 109-58, "Energy Policy Act of 2005," August 8, 2005
(c) Executive Order 13423, "Strengthening Federal Environmental, Energy, and Transportation Management," January 24, 2007
(d) DoD Directive 4140.25, "DoD Management Policy for Energy Commodities and Related Services," April 12, 2004
(e) DoD Directive 4170.11, "Installation Energy Management," December 11, 2009
(f) Executive Order 13221, "Energy Efficient Standby Power Devices," July 31, 2001
(g) 10 CFR Part 434, "Energy Code for New Federal Commercial and Multi-Family High Rise Residential Buildings"
(h) American Society of Heating, Refrigerating, and Air Conditioning Engineers Standard 90.1-2004
(i) Federal Leadership in High Performance and Sustainable Buildings Memorandum of Understanding
(j) Unified Facilities Criteria (UFC 3-400-01), "Energy Conservation," July 5, 2002
(k) "Department of Defense Energy Manager's Handbook," August 25, 2005
(l) Executive Order 13514, "Federal Leadership in Environmental, Energy, and Economic Performance," October 5, 2009
(m) HQMC policy guidance Ten by 10 campaign plan
(n) HQMC guidance for renewable roofing design
(o) HQMC Utilities Demand Reduction of Ten Percent by FY2020
(p) MCO P11000.9C W/Ch 1-4
(q) Article 22.5. Drought Emergency Water Conservation
(r) Water Code, § 1058.5.
(s) Utilities and Energy Conservation Manual
(t) DoD Instruction 4000.19, "Support Agreements," April 25, 2013

Encl: (1) Online List of Utilities and Energy Conservation Procedures

1. Situation. To establish an Energy Management and Utilities Program incorporating all facets of base operations, policies, and procedures to include maintenance, repair, and minor construction of facilities in accordance with the references, policies, and procedures to maximize energy savings at Marine Air Ground Task Force Training Command (MAGTFTC), Marine Corps Air Ground Combat Center (MCAGCC), Twentynine Palms, California.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

2. Mission. This Order establishes procedures, recommendations for, and the extent of, energy savings for all facilities, structures, procurements, and operations aboard the Combat Center. All personnel aboard MCAGCC should thoroughly familiarize themselves with the contents of this Order.

3. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. Commanding Officers, Assistant Chiefs of Staff, Special Staff Officers, and Officers-in-Charge will ensure compliance and issue amplifying instructions as appropriate in accordance with reference (s).

(2) Concept of Operations. Diligence and fiscal prudence will be used in managing utilities and energy conservation. The enclosure sets forth procedures and instructions which govern the Utilities and Energy Conservation program for the Combat Center.

4. Subordinate Element Missions

a. All Commanding Officers, Assistant Chiefs of Staff, Special Staff Officers, and Officers-in-Charge shall review reference (s) and follow all procedures and instructions.

b. Host-Tenant Relations

(1) Adherence to reference (s) is required to promote efficient operation, sustainment, restoration, modernization, procurement, and best energy management practices for the Combat Center. Marine Corps tenant Commands aboard MCAGCC shall adhere to MAGTFTC, MCAGCC's utilities and energy standards. Where tenant commands have standards that meet or exceed our requirements, tenant commands shall adhere to the more stringent standards.

(2) Utilities and energy conservation support in host-tenant relationships are normally documented in a memorandum of understanding, memorandum of agreement, or inter-service support agreement (ISSA) in accordance with reference (t). Utilities and energy conservation support is a host responsibility and is budgeted for accordingly. Tenants will not be charged for these services unless the services required by the tenant exceed the scope of the MAGTFTC, MCAGCC Public Works Division's capability and are measurable and attributable to the tenant. There is no requirement to document non-reimbursable intra-service support (Marine Corps host and Marine Corps tenant) on an ISSA, but an agreement is recommended to ensure general understanding of service levels and responsibilities between the host-tenant parties.

5. Administration and Logistics

a. The enclosure can be viewed at http://www.29palms.marines.mil/Portals/56/Docs/G4/Instruction%20Manual_PWD%20Utilities.pdf.

b. Distribution statement A directives issued by the Commanding General are distributed via email upon request and can be viewed at <http://www.29palms.marines.mil/Staff/G1Manpower/AdjutantOffice/Orders.aspx>.

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6. Command and Signal

a. Command. This Order is applicable to all directorates, special staff sections, tenant units, operational forces, facilities, equipment, training facilities, materiel, active duty, reserve, civilian personnel, family members, and visitors working, living, or visiting aboard the Combat Center.

b. Signal. This Order is effective the date signed.


J. B. HANLON
Chief of Staff

Distribution: A

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Online List of Utilities and Energy Conservation Procedures

1. Furthering guidance pertaining to the implementation of utilities and energy conservation programs aboard MAGTFTC, MCAGCC can be found at the following link: http://www.29palms.marines.mil/Portals/56/Docs/G4/Instruction%20Manual_PWD%20Utilities.pdf.
2. UTILITIES AND ENERGY MANAGEMENT: INTRODUCTION SCOPE
3. UTILITIES
 - PRIMARY UTILITIES
 - EXTENDED UTILITIES
4. UTILITIES CONSERVATION APPRAISAL BOARD (UCAB)
 - UCAB DESCRIPTION
 - UCAB COMPOSITION
 - UCAB PURPOSE AND DUTIES
5. ENERGY CONSERVATION:
 - INTRODUCTION SCOPE
 - WATER
 - ELECTRICITY
 - NATURAL GAS
 - ENERGY MANAGEMENT CONTROL SYSTEMS (EMCS)
 - CONSTRUCTION
 - UNIT ENERGY MONITOR (UEM)
 - ADDITIONAL CONSERVATION MEASURES