DEPARTMENT OF THE ARMY
ASSISTANT SECRETARY OF THE ARMY
(INSTALLATIONS, ENERGY AND ENVIRONMENT)
110 ARMY PENTAGON
WASHINGTON, DC 20310-0110

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MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Water Goal Attainment Responsibility Policy for Installations

1. References:

a. Public Law 110-140, Energy Independence and Security Act (EISA), January 4, 2007.

b. Executive Order (E.O.) 13514, Federal Leadership in Environmental, Energy, and Economic Performance, October 5, 2009.

c. Memorandum, Office of the Under Secretary of Defense, DoD Implementation of Storm Water Requirements under Section 438 of the Energy Independence and Security Act (EISA), January 19, 2010.

d. AR 420-1, Army Facilities Management, August 24, 2012.

e. Memorandum, ASA(IE&E), 27 Oct 2010, subject: Sustainable Design and Development Policy Update (Environmental and Energy Performance).

f. Memorandum, Assistant Chief of Staff for Installation Management, 23 Nov 2010, Master Planning Policy Guidance for Sustainable Design and Development (Environmental and Energy Performance).

g. UFC 2-100-01, Installation Master Planning, May 15, 2012.

h. USEPA Technical Guidance on Implementing the Stormwater Runoff Requirements for Federal Projects und Section 438 of the Energy Independence and Security Act.

2. Purpose: This memorandum sets policy and assigns responsibilities to achieve federal water goals.

3. Applicability:

a. This policy applies to all permanent Active Army installations, U.S. Army Corps of Engineers, Army National Guard, and Army Reserve installations, sites, and facilities operated and/or maintained by federal funds located in the continental U.S. and outside the continental U.S., hereinafter referred to as installations. This policy does not apply to civil works functions or contingency bases.

b. For the purposes of this policy a facility is defined as any building that is constructed, renovated, leased, or purchased in part or in whole for use by the Federal Government.

4. Policy:

a. All tenants using installation facilities will be fully engaged with the land holding commands, i.e., U.S. Army Installation Management Command (IMCOM), U.S. Army Materiel Command (AMC), Army National Guard Bureau (ARNG), and U.S. Army Reserve Command (USAR), hereafter referred to as commands, in supporting their efforts to reduce water intensity.

b. Commands will work with their installations to meet specific water goals through management policies, water awareness campaigns to change behavior, use of alternative financing mechanisms, and investments in water and energy efficient technologies. All new proposals or requirements must address the costs, trade-offs, and risks against projected benefits. Commands and their installations are fully responsible for achieving the following goals in a fiscally prudent manner. Contracts to operate Government-owned facilities will reference this policy and require the operating contractor to comply with applicable provisions of the policy.

(1) Water Intensity and Use. E.O. 13514, Section 2(d), requires the Army to implement (a) an annual 2% reduction in potable water consumption intensity per square foot of building space through fiscal year 2020 for a 26% overall reduction by the end of fiscal year 2020, relative to a baseline of the agency's water consumption intensity in fiscal year 2007, using management strategies including water efficient and low-flow fixtures and, (b) an annual 2% reduction through fiscal year 2020, or a 20% overall reduction by fiscal year 2020, from a fiscal year 2010 baseline, in industrial, landscaping, and agricultural (ILA) water consumption. The overall goal is to use water efficiently and, identify and implement water reuse strategies. Non-potable water should be used in place of potable water whenever possible, such as irrigation of golf courses, landscaping, and athletic fields. To further reduce water use in landscaping and irrigation, native plant species should also be considered. Dry-scape architectural alternatives that require no water should also be considered.

(2) Stormwater Management. EISA Section 438 requires that for any development or redevelopment project involving a federal facility with a footprint that exceeds 5,000 square feet, the project sponsor shall use site planning, design, construction, and maintenance strategies for the property to maintain or restore, to the maximum extent technically feasible, the pre-development hydrology of the property with regard to temperature, rate, volume, and duration of flow. As stated in the Army's Sustainable Design and Development policy (reference e), facility reconstruction projects will comply with EISA 438, when applicable, using DoD policy (reference c) and consistent with USEPA's Technical Guidance on Implementing the Stormwater Runoff Requirements for Federal Projects under Section 438 of the Energy Independence and Security (reference h). Low impact development is a requirement of master planning and should therefore be integrated into real property master plans (references f and g).

(3) Leak Detection. AR 420-1, Section 22-12, requires all Army facilities to identify and repair water leaks. The tests and repair will assist with conserving and protecting water resources as described in E.O. 13514, Section 1. The frequency of the tests should be sufficient to conserve, cost effectively, as much potable and non-potable water as possible.

5. Reporting:

a. Commands will ensure that installations report progress on water efficiency and use reductions through the Army Energy and Water Reporting System (AEWRS) which will be maintained by the Office of the Assistant Chief of Staff for Installation Management (OACSIM). Installations will input all required water data into AEWRS quarterly. Commands will review and certify accuracy and completeness of their installations' AEWRS entries. It is each Command's responsibility to ensure timely, accurate, and complete input into AEWRS. The AEWRS water data are vital to the Army's ability to track progress within the Army Campaign Plan in meeting its water related efficiency and reduction requirements.

b. The OACSIM will include in the annual energy management report the progress in achieving each of the above water requirements, along with input for the semi-annual OMB scorecard, and submit reports to the Deputy Assistant Secretary of the Army for Energy and Sustainability [DASA(E&S)] for approval and forwarding to the Office of the Secretary of Defense. Quarterly, the OACSIM will update the Assistant Secretary of the Army for Installations, Energy and Environment [ASA(IE&E)] on the Army's potable water intensity reduction and ILA water reduction progress.

6. This policy is effective immediately. Any requests for exception to this policy will be forwarded in writing through the chain-of-command to the DASA (E&S) for approval.

7. The point of contact for this policy is Dr. Marc Kodack, (571) 256-4197, marc.d.kodack.civ@mail.mil

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