

21 MAR 2017

TO: All US Army Garrison – Redstone Employees, Directors, Divisions, Offices, and Customer Organizations Operating on Redstone Arsenal and Supported by the Garrison.

FROM: Commander, US Army Garrison – Redstone

SUBJECT: Utility Meter Installation (UMI) Classification Policy

POLICY: This policy applies to all Organizations located on Redstone Arsenal. All Non-Army organizations shall have utility requirements detailed in their Installation Support Agreement (ISA). The determination of metering is defined by AR 420-1, AR 420-41 and the Federal Building Metering Guidance and shall be used as a guide by Directorate of Public Works (DPW) personnel in the classification process.

PURPOSE: To set logical, cost-effective criteria for determining which Federal buildings/facilities shall have remote meters installed at Redstone Arsenal.

DISCUSSION:

a. Intent

(1) The intent of the UMI classification policy is to provide guidance to Redstone Arsenal DPW personnel concerning remote meters that are installed before, during, or after building construction that will be maintained by the United States Army Garrison (USAG) Redstone as outlined in AR 420-1, AR 420-41 and Federal Building Metering Guidance.

b. Cost-Effective Metering

(1) New Construction - For all new construction projects, remote metering shall be used for electric, natural gas, water, and/or steam service unless the project meets the criteria in Table 1.

(2) Major Renovations-

(a) For renovations or energy projects that modify or add an incoming service entrance (electrical, natural gas, water, steam), a remote meter shall be installed unless the project meets the criteria in Table 1.

(b) For renovations or energy projects that already have existing remote meters and/or communications in place, the existing equipment shall be re-used at that location.

(3) Exemptions-

GARRISON POLICY
NO. 1-1

Table 1: Cost-Effective Metering Exclusions

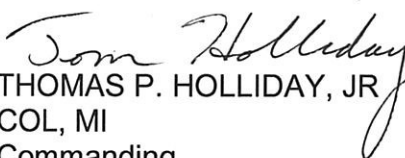
Service	Threshold
Electric	< 150 kVA
Natural Gas	No Exemption
Steam	No Exemption
Water	< 1.5 Inch Supply Line
	< 10,000 Square Feet
	Fire Protection Use Only

(4) Rates-Meters that provide a reading of zero shall be subject to a monthly charge of \$10 due to transformer losses and maintenance. Non-Metered water and energy utilities (Reimbursable Customers) shall be invoiced according to the customer ISSA and charged a square footage rate.

c. ADMINISTRATIVE INSTRUCTIONS. Questions or concerns pertaining to this policy may be directed to the USAG-Redstone, Executive Officer at 256-313-0546.

d. REFERENCES:

- (1) AR 420-1, Army Facilities Management, 24 August 2012.
- (2) Federal Building Metering Guidance (per 42 U.S.C. § 8253(e), Metering of Energy Use) November 2014 Update
- (3) AR 420-41, Acquisition and Sale of Utilities Services, 3 March 2015.


THOMAS P. HOLLIDAY, JR.
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(IMRE-PW)

MAINTENANCE INSTRUCTIONS: Posted to the Garrison Directives web page and remains in effect until superseded, rescinded, or canceled.

APPENDIX A

Major Renovation: Renovation exceeding \$200,000.

Remote Meter: AMR (Automatic Meter Reading), Smart Meter, Advanced Meter.

Federal Building: Any building, structure, or part thereof, including the associated energy or water consuming support systems, which is constructed, renovated, leased, or purchased in whole or in part for use by the Federal Government and which consumes energy or water; such term also means a collection of buildings, structures or facilities and the energy or water consuming support systems for such collection. This document uses the term "facility" when referring to multiple buildings or sites and uses the term "building" to refer to individual structures.

Federal Facility: Any building, installation, structure, or property (including any applicable fixtures) owned or operated by, or constructed or manufactured and leased to, the Federal Government. This document uses the term "facility" when referring to multiple buildings or sites and uses the term "building" to refer to individual structures.

Cost-effective: Studies show reduced operation and maintenance costs when metered data is used to manage building energy consumption. These life-cycle cost savings exceed the life-cycle costs for installation and maintenance of the meters. Therefore, installation of meters is "cost effective" at all appropriate Federal buildings.

kVA: Kilovolt-amp