

SMART METERS in JOB CORPS

INSTRUCTIONS

The Energy Policy Act of 2005 and subsequent Department of Energy guidance mandate that Federal buildings install smart meters for electricity, natural gas and water in individual buildings. A smart meter reports utility usage data at 15-minute intervals. A Web-based reporting program collects and displays the usage data. This data can be analyzed using graphs, baselines, comparisons with past usage, and other tools. Building operators can make informed decisions on reducing energy and water usage.

Job Corps is going to meet this mandate as inexpensively as possible. Utility companies can provide less expensive smart meters than an outside contractor. Utilities will provide maintenance of meters and may provide cost incentives.

Some utilities do not supply smart meters. If they are not available through the utility, Job Corps will issue a contract to install them on remaining centers at a later date.

Smart metering may have an initial installation cost and a monthly maintenance fee. The National Office of Job Corps is collecting information on costs so it can make decisions on moving forward with installations.

The goal is to supply smart meters for all separate buildings greater than 5,000 Gross Square Feet (GSF), with the exception of warehouses and storage buildings. If a 5,000 GSF building has a warehouse function along with a separate function such as maintenance or a vocation, it should be metered. Warehouses that have no other function should be metered if they are larger than 25,000 GSF. Buildings that are scheduled for demolition within the next 5 years or in the long range plan should not be metered.

For water usage, all irrigated areas that are separately connected to the water system, and are larger than 25,000 SF should be metered, Please fill out the attached form on smart meters. The steps to complete for the National Office are as follows:

Attachment A

1. Contact each electricity, natural gas and water utility. If the center purchases electricity or natural gas in a deregulated market, contacting the supplier and the legacy utility may be necessary.
2. Ask if smart meters can be installed and monitored through the utility. The utility must have already started installing smart meters or have a plan to install them within 1 year. Centers may already have smart meters installed, thus bypassing this step.
3. Fill out one form for electric, natural gas (if applicable) and water.
4. Collect information on costs, and the schedule for installation.
5. Smart meters data will be available through a Web site. Get the Web site for the smart meter data, if available.
6. There may be incentive programs such as demand-response programs through which smart meters will be installed. Be sure to inquire about any incentive programs which include smart -meter installation.
7. If the utility can provide training in how to use smart meter data, include that information on the form.

Please complete this task by November 18, 2016. Questions should be directed to Eric Siddle with the Engineering Support Contractor at 703-875-7647, or at siddle.eric@dol.gov.

Attachment A

Job Corps Smart Meter Form. Fill out one form for each utility and return to siddle.eric@dol.gov

Center Name, Contact Name, Phone Number _____

Utility Name and Phone Number _____

Utility Contact Name _____

Utility Type: **Electric** **Natural Gas** **Water**

Are Smart Meters Available to Job Corps? **Yes** **No** If Yes, answer questions below.

Are they available for

- Warehouses or Storage Buildings only > 25,000 GSF
- All Remaining Buildings > 5,000 GSF?
Excluding buildings planned to be demolished

Yes **No**

List buildings that Smart Meters are available
for _____

What does installation of all Smart Meters cost? _____

What is the monthly charge for access to Smart Meter data? _____

What is the Web site for the center to access Smart Meter data? _____

Can the Department of Labor get an account on the Web site to access Smart Meter
data? _____

Attachment A

How long after agreement can Smart Meters be installed? _____

What incentive programs such as Demand-Response programs are available with Smart Meters? _____

Can the utility company provide training on using Smart Meter data for energy savings? _____
