

REAL-TIME METERING

PROCESS + REQUIREMENTS

Installing Real-Time Meters (RTM) requires multiple steps and coordination between multiple parties. The entire process, and the responsibilities for the involved party on each of the various steps are outlined below. Note that all of these must be **FULLY** completed before NuEnergy can install an RTM.



1. RTM APPROVAL

DCAS AGENCY NUENERGEN

Agencies that would like an RTM installed on site must identify the account number/meter that will be monitored, and send a request to install an RTM to the DCAS team for approval under the terms of the contract between NuEnergy and the City of New York.

2. SITE INSPECTION

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Following approval, a **1-2** hour site visit will be scheduled to determine job dimensions, necessary supplies, mounting and wiring locations, wireless signal testing, power outlet locations, meter upgrade needs, and if a LAN and/or power installation is necessary (within 3-5 feet of the utility meter.) **This step will determine if steps 3-5 are needed.**

3. POWER INSTALLATION

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After the site inspection, if no sufficient power outlets are found, the requesting agency/facility will need to install a single phase, **110 volt power outlet** with 2 receptacles installed within 3-5 feet of the utility meter.

4. COMMUNICATIONS SETUP

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After the site inspection, if no sufficient wireless signal is found, the facility will need to install a LAN/IP Data Port within 3-5 feet of the utility meters to connect our device via CAT5/6/7 Ethernet cable. If not, NuEnergy can also install a cellular router for communications.

5. OTHER INSTALLATIONS

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For some utilities and commodities, it may also be necessary to install a mounting board and/or grounding wire. NuEnergy will advise if and where this is necessary.

6. DEMARCATION BOX INSTALL

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If a demarcation box is not already present, one will need to be ordered from the utility. For Con Ed, a quote must be requested for the upgrade. After 2-3 days they return a quote, and at that time, a check for the upgrade is sent out to the utility. Once they receive the check, they will complete the upgrade within **45 days** (unless they have an overloaded schedule), and is confirmed by their metering manager via email.

7. RTM INSTALLATION

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Once all equipment is in place as described in the previous steps, NuEnergy will come onsite and install the RTM(s) in question. These installations typically **take 30 - 45 minutes**.

8. CONFIRMATION + ACCESS

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After the RTM is installed, NuEnergy will integrate the data feeds into EnerTrac and verify the accuracy of the data. Once this is confirmed, we will advise the facility and set up access for the appropriate personnel.