

Utilities (33 00 00)

For questions regarding this section contact: Energy
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Part 1 – General

- Reference UA High Performance Design Guidelines for sub-metering requirements.
<http://www.albany.edu/facilities/energy/documents/UA-MinEESustainabilityGoals.pdf>

Part 2 – Product

1. All electric meters must communicate with the ION WEAM Energy Monitoring System by Schneider/SquareD. Communication could be via Pulsing contacts, Modbus Serial Line communication protocol, or M-Bus specialist metering communication open protocol.
2. All potable water meters must communicate with the existing Siemens head end. Communication could be via Pulsing contacts, Modbus Serial Line communication protocol, or BacNet open protocol.
3. All chilled water, high temperature hot water, and other fuel meters must communicate with the Building Management System-Honeywell or Siemens- that controls the mechanical system in that building.
4. All meters must be programmed to allow export of real-time data to a third-party data analytics.
5. Basis of Design:
 - a. Electric Meters: Schneider Electric ION Meters model ION 7550 for building's main meter. Consult with campus on meter model number for other specific application.
 - b. Water Meters: Badger® Recordall® Turbo or Compound Meters as applicable.

Part 3 – Execution

1. Include meters and all required communication devices as well as programming for remote access to the meters via the existing Powerlogic SMS/Ion WEAM Energy Monitoring System, Siemens BMS and Honeywell BMS systems, as required.