

**Steam
Operations**



2008 Fall Steam Seminar

November 7, 2008
Business Development Group



Steam Services

Beth Wynne

Steam Business Development

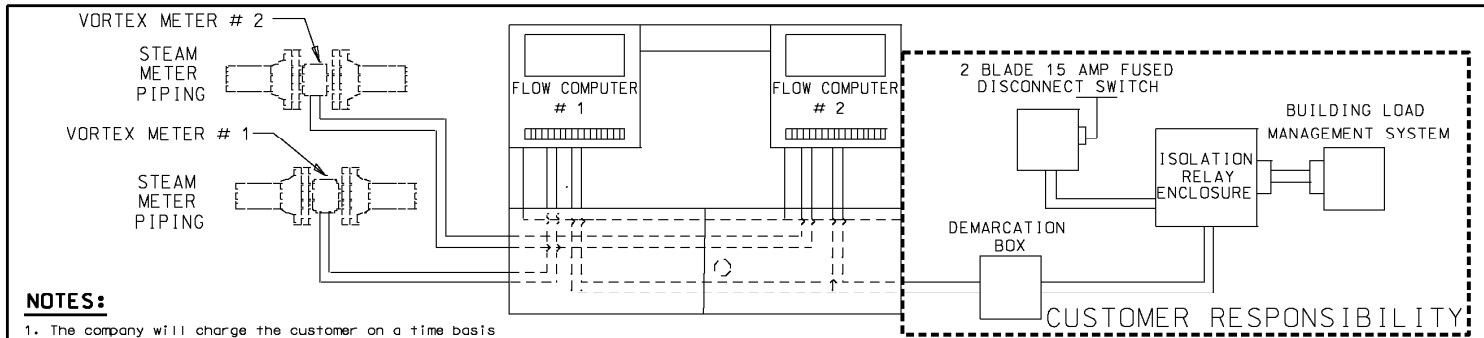
High Frequency Pulse Signals

- Demand-billed customers only
- Tie in Con Edison meters to customer's BMS
- Purpose – Steam load monitoring

High Frequency Pulse Signals

Process

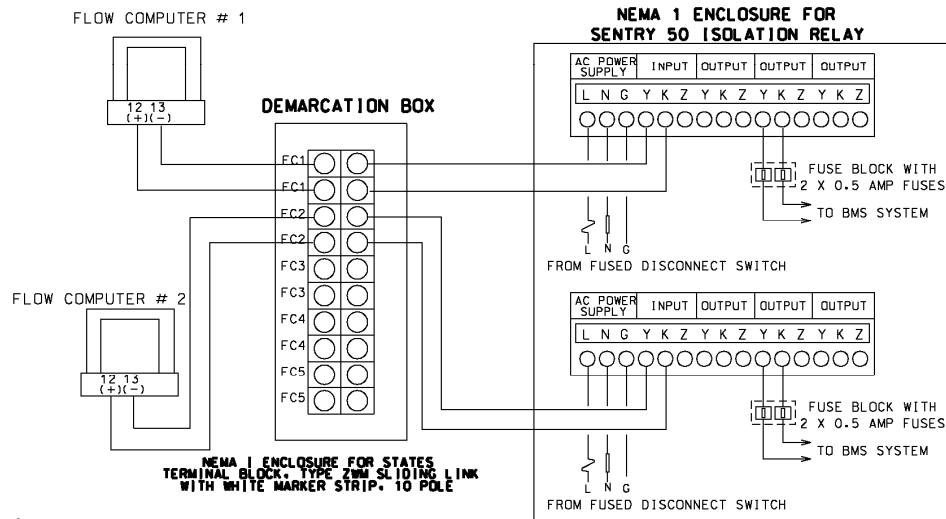
- Complete and fax Program Agreement
- Complete installation per Specification S-671
- Call 800-75-CONED schedule inspection of the installation



NOTES:

1. The company will charge the customer on a time basis to make the final connection to the flow computer
2. The customer is to furnish and install 2 NEMA-1 Hoffman boxes or equal. The Hoffman boxes must be large enough to house all of the Sentry 50 Isolation Relays and the States terminal block respectively.
3. The customer shall furnish and install the demarcation box, including the terminal block which must be a 10 pole States terminal block, type ZMM sliding link with white marker strip.
4. The customer shall furnish and install the required amount of Sentry 50 Isolation Relays. One (1) Sentry 50 Isolation Relay is required per flow Computer.
5. Steam consumption pulse signal will be provided by a two-wire form "A" contact closure and jumpers shall be installed on the JP1 and JP3 positions of the sentry 50 Isolation relays.
6. The customer shall furnish and install any wiring and conduit required for the installation of the Sentry 50 Isolation Relays, demarcation box, terminal block and between the flow computers and demarcation box.
7. All conductors for pulse signals are to be AWG # 16 Copper wires, THW or THHN type 1.
8. All power supply wires are to be AWG # 14 copper wires THW or THHN type.
9. Unless otherwise indicated by the company, each contact closure value shall be equivalent to 50 lbs of steam (for 3" or larger size meter) or 10 lbs of steam (for 2" or smaller size meter).
10. The customer shall be responsible for pulse totalization.
11. The relay enclosure shall be on a wall or panel in the vicinity of the company's demand equipment at a height of 3'-6" to 4'-9" from the floor to the bottom of the enclosure. A minimum clear space of 3'-0" in front of relay enclosure is required.
12. Installation shall meet the requirements of the electrical code of the city of New York and be subject to the approval of regulatory authorities having jurisdiction.
13. All enclosures including condulets that allow access to the wiring shall be sealable.
14. The customer shall provide metered 110 Volt AC power to operate the Sentry 50 Isolation Relay.
15. Wire Sentry 50 Isolation Relays as shown in this specification. Conductors to the flow computer shall be labeled at both ends as they correspond to terminals "Y" and "K" of the isolation relay.

TYPICAL INSTALLATION



**** INSTALL JUMPERS ON THE JP1 AND JP3 POSITIONS OF THE SENTRY 50 ISOLATION RELAY ****

INSTALLATION OF ISOLATION RELAYS FOR HIGH FREQUENCY CONTACT CLOSURE OUTPUT FOR LOAD MANAGEMENT SYSTEM			
CONSOLIDATED EDISON COMPANY of NEW YORK STEAM DISTRIBUTION ENGINEERING DEP.			
DATE: 08/07/07	DWG.	REV.	
LAST REV. 08/01/07	NO. S-671	5	

Steam Repair Service

Benefits

- Upon customer request
- Includes meter room repairs
- Highly qualified mechanics

Steam Repair Service

Charges

- **Materials Charge**
- **Labor Charge - \$121 (7:00 a.m. – 3:30 p.m.)
or \$140 all other times**
- **Reflected in next monthly bill following repairs**

Steam Repair Service

- Types of Equipment Repaired
 - Flange
 - Piping
 - Traps
 - Valves
 - Gaskets

Safety Measures

- Inside Building Emergency Procedure

212-683-8830

- Condensate Management
- Rain Response Procedure
- Emergency Preparation Drills
- Blackout Emergency Response

Steam Operations



Questions?