REVENUE METERING PHONE LINE INSTALLATION GUIDE

An analog phone line to National Grid’s revenue meter shall be provided by the Customer. The analog phone line must be capable of direct inward dial without human intervention or interference from other devices such as fax machines, etc. The phone line can be a phone (extension) off the customers PBX phone system, or it may be a separate dedicated phone line as provided by the Telephone Company. The following is to be used as a guide, please contact the Company if additional information is required. The most common installations are outlined below, Wall mounted Meter Installation, Outdoor Padmount Transformer Meter Installation, and Outdoor Pole Mounted Meter Installation.

1) WALL MOUNTED METER INSTALLATION
If the meter is wall mounted indoor or outdoor the customer shall provide a telephone line within 12” of the meter socket and additional equipment as described and shown below in figures 1 & 1A. National Grid will connect the meter to the customer provided phone line.

Figure 1 – Indoor Meter Installation  
not to scale

Figure 1A – Outdoor Meter Installation  
not to scale

2) OUTDOOR PADMOUNT TRANSFORMER METER INSTALLATION
If the meter is mounted outside on the secondary compartment of the padmount transformer as shown below the conduit shall stub up and roughly line up with the bottom or side knock out of the meter socket and terminate into a weatherproof box or fitting.

Figure 2 – Outdoor Padmount Transformer Meter Installation  
not to scale

NOTES:
1. For customer owned self-contained meter sockets National Grid will coordinate installation of phone line into socket with customer.

2. A liquid tight flexible conduit whip with end bushing and locknut of sufficient length to reach and terminate at the knockout location of the meter socket with three feet of telephone wire coiled (and terminated with a male RJ-11 connector) at its end shall be connected to the weatherproof box or fitting. National Grid will connect the conduit whip to the meter socket and terminate the telephone wire to the meter (figures 1A & 2).
3) OUTDOOR POLE MOUNTED METER INSTALLATION
If the meter is located outdoor on a Company owned utility pole as part of a primary metering installation the Customer will install and connect a phone line from the Telephone Company provided termination interface box, the line shall be terminated with a RJ-11 male connector and be of sufficient length to reach the meter socket and create a drip loop, as well as additional line for final connection to the meter. The customer is responsible for the Telephone Company phone line installation. (see figure 3 below).

Figure 3 – Outdoor Pole Mounted Meter Installation
not to scale