



This checklist is intended for our external customers to prepare for an inspection. It is also intended for internal use for our inspectors to improve consistency and overall service delivery.

### **Please verify the following before calling for the Inspection:**

#### ***Permits and Plans***

- Job address is posted in a visible location.
  - Permit and approved plans are on site and accessible to the inspector
  - Permit information is correct (address, permit number, description of work, etc.).
  - Plans have been reviewed for any special inspection requirements.
- NOTE: If special inspections are required, note on the permit each time the special inspector is on the site. Make sure the inspector is certified to perform the required type of inspection.

#### ***Meter Base***

- Mast Construction
- Mast height over roof
- Mast height over ground including drip loop
- Mast flashing/roof jack
- Mast support from meter base/metered main up including guy kit requirements
- Meter base location above ground level
- Meter base fastening to surface
- Service entrance cable or conductor between meter base and service panel including weatherproofing
- Mast installation to meter base per listing requirements (Hub, etcetera)

#### ***Service Panel***

- Service entrance conductor size
- Service entrance conductor connections (tightness/antioxidant as necessary)
- Service entrance conductor size distance (back to back, 1<sup>st</sup> useable adjacent stud space)
- Grounding electrode conductor proper size
- Utility bond size
- Main bounding jumper
- Water bond (as necessary) and size
- Gas bond and size appropriate to bond clamp requirements size
- Branch circuit wire appropriate to over current protective device size
- Only one neutral for buss connection (manufacture requirements)
- White conductor marked to another color if used as phase conductor
- Multi-wire branch circuits to same yoke on 2 pole breaker
- Proper phasing of multi-wire branch circuits when split as 2 circuits with common or shared neutral
- Proper application of 2-pole or double 2-pole breakers (manufacture requirements)
- Breakers applicable to service panel (listed as compatible)

### ***Metered Main Meter Base***

- Mast Construction
- Mast height over roof
- Mast height over ground including drip loop
- Mast flashing/roof jack
- Mast support from meter base/metered main up including guy kit requirements
- Meter base location above ground level per PGE
- Meter base fastening to surface

### ***Conductor Between Service and Sub Panel***

- Service cable or 4 conductors adequate for appropriate raceway and over current device
- Feeder proper size and protected between service and sub-panel
- Main bonding jumper in service (Meter Main Meter Base) only
- All bonding/grounding at Meter Main Meter Base only
- Grounding electrode conductor proper size
- Utility bond proper size
- Main bonding jumper in place
- Water bond (as necessary) and size
- Gas bond and size appropriate to bond clamp requirements
- Water bond and Gas bond shall be accessible

### ***Sub Panel***

- Conductor size, material, installation appropriate for use
- No bonding jumper between grounded conductor and equipment ground
- All neutrals isolated from ground

### ***Metered Main with Provision for Additional Circuits***

- Follow manufacturer requirements for breaker size in main protected buss
- Follow manufacturer requirements for breaker size for free standing breaker

### ***Underground feed***

- Meter base to be Underground Listed only (PGE Requirement)
- Load side connections to be bottom jaws
- Service entrance conductor sized to main breaker of service
- Service entrance conductor size connection (tightness/antioxidant as necessary)
- Service entrance conductor size distance (back to back, 1<sup>st</sup> useable adjacent stud space)

### ***Meter Main Meter Base-Underground Feed***

- Proper location of lugs (Relocated to bottom buss attachment)
- Proper cap installed over hub installation hole
- Meter base location above ground level per PGE
- Meter base fastening to surface
- Service entrance cable or conductor between meter base and service panel including weatherproofing
- Service entrance conductor size
- Service entrance conductor size connection (tightness/antioxidant as necessary)
- Service entrance conductor size distance (back to back, 1<sup>st</sup> useable adjacent stud space)
- Grounding electrode conductor proper size
- Utility bond size
- Main bonding jumper

- ❑ Water bond (as necessary) and size
- ❑ Gas bond and size appropriate to bond clamp requirements
- ❑ Water bond and Gas bond shall be accessible
- ❑ Branch circuit wire appropriate to over current protective device size
- ❑ White conductor marked to another color if used as phase conductor
- ❑ Multi-wire branch circuits to same yoke on 2-pole breaker
- ❑ Proper phasing of multi-wire branch circuits when split as 2 circuits with common or shared neutral
- ❑ Proper application of 2-pole or double 2-pole breakers (manufacture requirements)
- ❑ Breakers applicable to service panel (listed as compatible)

**Note: These are general requirements only and do not reflect all conditions. For additional information please contact the Building Development Division at 503-618-2845.**