

## Customer Requirements Production Metering

**C-MR-0015**

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### Application

Provide Tacoma Power requirements that will assist customers with production metering installations. Production metering is the interconnection of customer owned renewable electricity generating systems with Tacoma Power's electrical grid.

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### General Requirements

Customers are responsible to ensure the following conditions are met during their production metering installations:

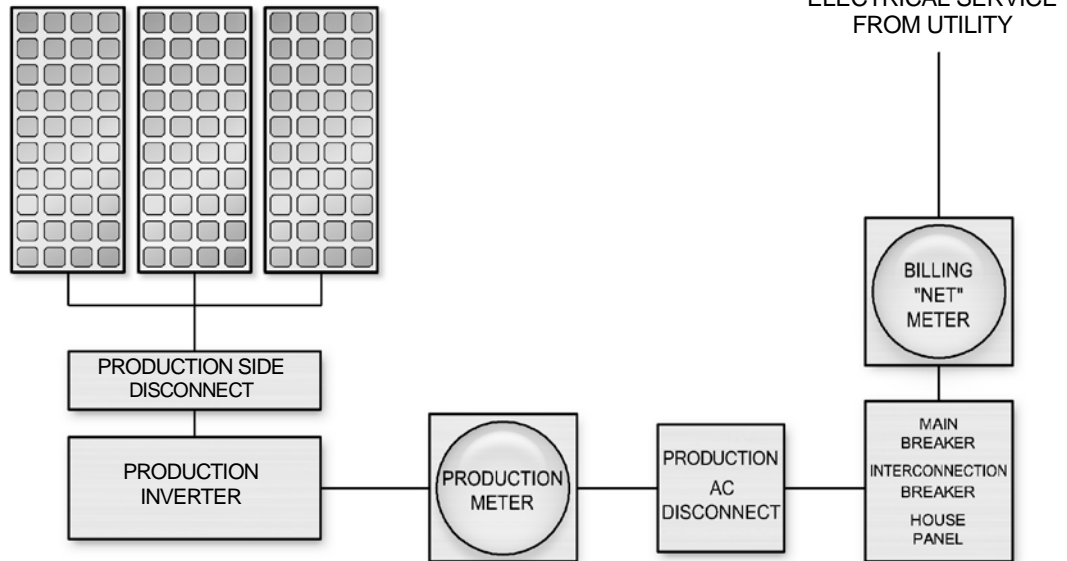
- Customer to obtain signed Production Metering Agreement for Power Generation Facilities prior to system installation (call Tacoma Power Conservation Resources Management at 253-502-8619).
  - Customer owned equipment shall be permitted, installed, and inspected per local, state and national codes.
  - Net meter, production meter and production AC disconnect shall be permanently labeled as such.
  - Production meter and production AC disconnect shall be located together, within sight and accessible from the net meter.
  - The electrical permit holder shall be available at the time of the electrical inspection to give access to the entire system.
  - The electrical permit holder shall be available at the time the production meter is set.
  - A safety socket is not required at the production meter.
  - See Figures 1, 2, and 3 for available service configurations.
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### One Line Diagram

SOLAR PANEL, WIND GENERATOR, OR OTHER SOURCES OF CUSTOMER POWER GENERATION



### Production Meter Sockets

Figure 1

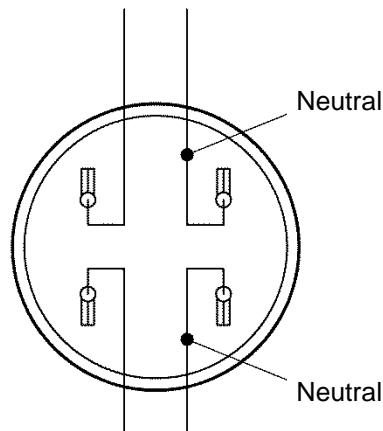
4 Jaw Socket

- 120V, 1-phase, 2-wire

4 Jaw Socket

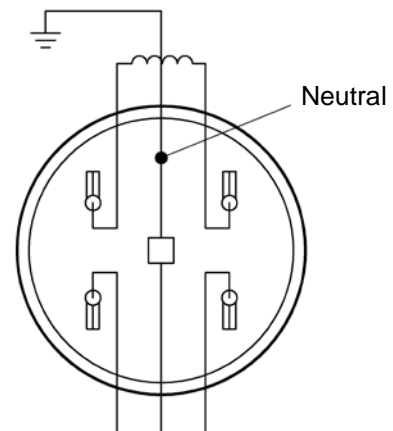
- 120/240V, 1-phase, 3-wire
- 480V, 1-phase, 3-wire

**Customer Production**



To Production Disconnect

**Customer Production**



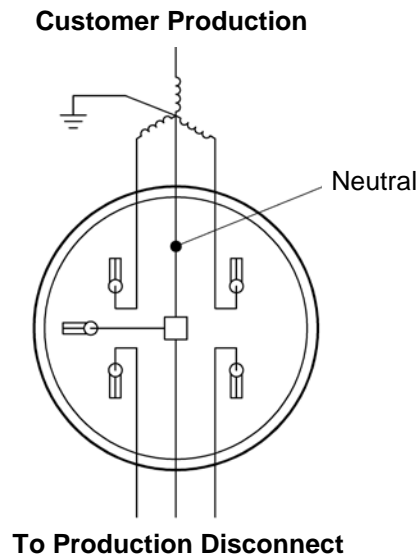
To Production Disconnect

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**Production Meter Sockets** *(continued)*

**Figure 2**      5 Jaw Socket  
 • 120/208V, 2-phase and neutral, 3-wire



**Figure 3**      7 Jaw Socket  
 • 120/208V, 3-phase, 4-wire  
 • 277/480V, 3-phase, 4-wire  
 • 120/240V, 3-phase, 4-wire

