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.

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.
One Line Diagram

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

PRODUCTION SIDE DISCONNECT

PRODUCTION INVERTER

PRODUCTION METER

PRODUCTION AC DISCONNECT

BILLING "NET" METER

MAIN BREAKER

INTERCONNECTION BREAKER

HOUSE PANEL

ELECTRICAL SERVICE FROM UTILITY

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

Neutral

Neutral

To Production Disconnect

Customer Production

Neutral

Neutral

To Production Disconnect
Production Meter Sockets (continued)

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

![Diagram of 5 Jaw Socket]

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

![Diagram of 7 Jaw Socket for WYE]

![Diagram of 7 Jaw Socket for DELTA]