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APPENDIX

Glossary

Approval — Acceptable to the authority having jurisdiction.

Associated equipment — As related to metering equipment: such as the current transforms, CT wiring and test switches.

Authority having jurisdiction — The qualified representative of a city, county or state who has been authorized by governmental agencies to inspect.

Backfill — Native soil or soil brought in from another area, free from sharp objects, rocks, scrap building material, and corrosive material.

Call Before You Dig number, 811 — National one call underground utility locating service.

Clark Public Utilities representative — The designated representative responsible for design and coordination of new or upgraded services to utility customers.

Clearance — A set distance between two objects.

Conduit — A listed or approved wireway with a smooth interior surface. Conduit may vary in size or schedule (wall thickness), depending on its usage, in accordance with codes and Clark Public Utilities' specifications.

Conduit bodies — A combination of conduit and an electrical outlet. In the electrical industry may be referred to as a condulet or LB joint.

Current transformer (CT) — A device used to measure the current flow of services 200 amps or greater.

Current transformer (CT) mounting base — CT mounting base required for commercial CT metered services.

Directional drilling/boring — A trenchless method of installing underground electrical conduit.

Electrical equipment room — Locked room containing only electrical and communications equipment. Equipment rooms must provide 24-hour access to utility personnel without the need for an appointment.

Enclosure — A utility-approved lockable cabinet that contains meter equipment and/or electrical connections.

Guard post — A bollard or post designed to protect the electrical facility or meter installation from vehicular traffic.

Joint use — A group of utilities that share space on a utility pole or trench.

Lockbox — Permanently installed, locked box containing keys, combinations or card keys allowing utility personnel 24-hour access to metering equipment.

Manual bypass — A self-contained meter base socket with provisions for paralleling the meter circuit, allowing the meter to be removed without interrupting service to the commercial customer. Meter terminals are not de-energized when bypassed.

Meter pack — Ganged, modular and switchboard metering with multiple meter sockets. Installed for commercial tenant spaces and residential multifamily units.

Meter socket — The mounting device consisting of meter jaws, connectors, and enclosure for accommodating socket-type meters.

Metering equipment — Any equipment associated with measuring electrical energy.

Neutral — The grounded conductor in a single-phase, three-wire, or three-phase, four-wire system. The service conductor that is at zero potential to ground.

Phenolic block label — Permanent label attached to the meter base, corresponding breaker, electrical panel and door of the unit being served.

Point of delivery — The connection point of the meter base, on the customer's premises, where Clark Public Utilities' circuit and the customer's system are interconnected.

Potential (voltage) transformer (PT) — A device used to reduce primary voltage to 120 volts. PTs are installed in conjunction with a CT rated meter.

Safety socket — A self-contained meter base socket with provisions to de-energize the meter terminals while maintaining service to the customer.

Secondary junction box/pedestal — Enclosure installed behind padmounted transformers and at pole bases allowing multiple connections of underground secondary service.

Secondary service — The lower voltage, after transformation, used to supply the customer with electrical energy.

Self-contained — In reference to meter sockets: a device designed and rated to continuously carry the entire capacity of the service entrance equipment through the meter.

Source — Clark Public Utilities' equipment (transformer, secondary junction box/pedestal, pole) that supplies the customer's electric service.

Switchboard — Service entrance with secondary service conductors terminated directly to the customer's main distribution center. A switchboard is required for services 800 amps or greater.

Temporary service — An electrical service providing power to a customer on a temporary basis.

Transformer — Equipment used to reduce (step down) primary voltage to the secondary service required to supply the customer.

Underwriters Laboratories (UL) — A nationally recognized test laboratory that lists materials it has tested and accepted.

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Clark Public Utilities New or Altered Commercial Electric Service Worksheet



Contact Clark Public Utilities' Construction Services department at **360-992-8558**, or return this completed worksheet to initiate a request for new or altered commercial electric service to:
PO Box 8900, Vancouver, WA 98668, or Fax to: 360-992-8823

Inquiry date: _____

Name of financially responsible party: _____

Mailing address: _____

Contact person: _____

Contact phone numbers: *Business #* _____ *Mobile #* _____ *Fax #* _____

Job site address: _____ **APN number:** _____

Near address: _____

TYPE OF SERVICE

Commercial service to: _____ **Number of tenant spaces:** _____

Request for: Permanent Service Temporary Service Information Only

New Service Size: _____ Amps **Existing service size and voltage:** _____

Total connected load: _____

VOLTAGE REQUIREMENTS

SINGLE-PHASE

- 120/208 volt 3 wire
- 120/240 volt 3 wire
- 240/480 volt 3 wire

THREE-PHASE

- 120/208 volt 4 wire wye, grounded
- 120/240 volt 4 wire delta
- 277/480 volt 4 wire wye, grounded

A utility designer will visit the job site and contact the customer for additional information.

Call the Construction Services department or consult our
Commercial Electric Service Handbook for additional information.

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