

Specifications & Requirements

Trenching

- The minimum required depth for a secondary trench is 27" (a 30" depth is preferred) with a minimum of 24" of cover from the top of conduit.
- Trenching extends from the meter base to the utility source (transformer, pedestal, pole) and must be completely dug out.
- The trench must be free of debris.

Conductor

- Acceptable service wire sizes:
 - 200 amp service-4/0 aluminum triplex URD
 - 400 amp service-350 MCM aluminum triplex URD
- Compact wire cannot be used.
- The customer/electrical contractor is responsible for terminating the line and load side conductors in the new meter base, prior to inspections of the conductor and meter base.

Conduit

- Continuous conduit is required.
- Three-inch schedule 40 PVC gray electrical conduit is required for an electrical service.
- Do not use the center knock-out on the bottom of the meter base.
- Down pipe/service entrance required conduit:
 - 200 amps-2 1/2" schedule 40 PVC
 - 400 amps-3" schedule 40 PVC

NOTE: the downpipe/service entrance is customer equipment installed to the NEC and inspected by the local jurisdiction. They may require schedule 80 PVC in high traffic areas.

To request new residential electric service, please contact Clark Public Utilities Construction Services or fill out this request form and return it to:

Mailing Address:

Clark Public Utilities Construction Services
PO Box 8900
Vancouver, WA 98668

Construction Services office location

8600 NE 117th Ave.
Vancouver, WA • 98662

Monday-Friday • 7am to 4pm

Contact Us:

Email: construction@clarkpud.com
Phone: 360-992-8558



www.ClarkPublicUtilities.com

RESIDENTIAL New Electric Service



Helpful information
for installing new
residential electric
service



Getting Started is Simple

To request new residential* electric service, complete and return this form to Clark Public Utilities Construction Services. Only the financially responsible party can initiate the process to install new service and a site plan is required.

Customer/property owner name: _____

Phone: _____

Email: _____

Job Site Information

New Service Address: _____

Parcel APN Number: _____

Near Address (if applicable): _____

Billing Information

Name: _____

Mailing Address: _____

Phone: _____

Email: _____

Contractor Information

Name: _____

Company: _____

Phone: _____

Email: _____

Description of request (type of residential structure, load information, panel size, building sq. footage, etc.).

Note: Please attach site plan and existing easement information if available.

**Commercial applications require additional information and review by a Clark Public Utilities Design Engineer.*

Steps to New Electric Service

Once you've completed the request form, Clark Public Utilities Construction Services can help you through the process of installing a new service.

These next steps include:

- Work with a Clark Public Utilities Residential Planner to develop a new electric service design.
- Obtain electric wiring permit from the inspection authority with jurisdiction:

Washington State Department of Labor and Industries:

- Purchase permits & request inspections: <https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections/purchase-permits-request-inspections>
- Obtain an electrical permit: 360-896-2300
- Questions about a permit or code: 360-896-2360

City of Vancouver:

- City of Vancouver - WebPermits:
- Purchase permit: <https://www.cityofvancouver.us/cdd/page/epermits>
- Schedule Inspections: <https://www.cityofvancouver.us/cdd/page/schedule-inspection>
- Obtain an electrical permit: 360-487-7802
- Questions about a permit or code: 360-487-7802

- Call 811 two days before you plan to trench or excavate. All utilities will visit the job site and mark existing underground cables and lines up to the meter(s), at no charge.

- Excavate and trench the site according to the approved Clark Public Utilities design. Any changes must be discussed with and approved by your Clark Public Utilities Residential Planner prior to the install.

- Install utility approved service materials to Clark Public utilities installation standards.

- Request a service line inspection (trench/conduit) from Clark Public Utilities Design Inspector prior to backfilling the trench: construction@clarkpud.com or 360-992-8558

Steps continued...

- Schedule a meter base, service entrance and panel inspection with the appropriate inspecting agency:

Washington Department of Labor and Industries

- Request an electrical inspection: 360-896-2350

City of Vancouver

- Request an electrical inspection: 360-487-7890

- Install required service line conductor and leave a 10' tail of make up wire at the utility source (secondary pedestal or transformer) noted on the utility design. Dig out trench completely to the source equipment.

- Request a service line inspection from Clark Public Utilities Design Inspector: construction@clarkpud.com or 360-992-8558

- When the trench is backfilled, call 360-992-8558 and reference your job number or project/build site location address to notify Clark Public Utilities that your project is ready to be scheduled for connection.

Fees & Charges

System Development Charges

This charge covers costs incurred by the utility to increase the capacity of the existing Clark Public Utilities electric distribution system.

\$118 under 100 amps

\$236 100 amps

\$473 200 amps

\$709 300 amps

\$946 400 amps

Note: Service panel changes and upgrades may also require payment of the system development fee.

Metered Temporary Electric Service

\$160 + consumption

Residential Current Transformer (CT) Metering

For services greater than 400 amps. CT metering requires prior approval by Clark Public Utilities engineering. Contact us for pricing and other requirements.