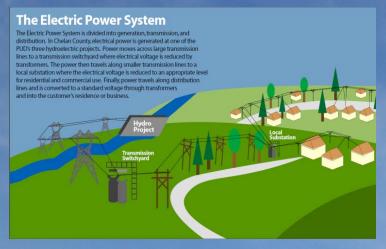
What is a substation? Your Electric power System is made up of:

- Generation where the power comes from
- Transmission how high voltage power is carried
- Distribution how power gets to end-user

A distribution substation is a critical part of getting power to your home. A substation transforms the high voltage from transmission lines to a lower voltage that can be used by customers.



How big is a substation?

A residential substation requires about an acre of land. The footprint of a substation provides for set-back, fencing and the ability to use a mobile substation for maintenance and repairs. Generally, the substation takes up about a half an acre.

How does a substation benefit me

A substation assures you of power quality and reliability

Can the neighbors help decide what a substation will look like?

PUD staff will work with the community and neighbors to discuss design alternatives. Examples of how the community can be involved include decisions on landscaping, reduced sound design, fencing enhancements, lights to reduce light pollution, orientation, access and more. Once a location is identified, the PUD will strive to blend the substation into its surroundings.

How many customers does a substation serve?

A typical residential substation serves approx. 1,500 customers. When a substation reaches about 80% of its capacity, the PUD will start to consider the need for a new substation.

How can I get more information and provide my input?

Please visit our website for more information: **chelanpud.org/substations**We encourage you to sign up for email updates on or provide public comment on our website.

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