

How power gets to you



- 1

TRANSMISSION LINE

Transmission lines transport 115 kV-voltage power across Agate Pass onto the Island to distribution substations.
- 2

SUBSTATION

Distribution substations step down power from the transmission voltage (115 kV on Bainbridge Island) to our distribution voltage (12.5 kV on Bainbridge Island).
- 3

DISTRIBUTION LINE

A series of medium voltage (12.5 kV) distribution lines, overhead (3A) and underground (3B), carry power from the substations to transformers in your neighborhood.
- 4

TRANSFORMER

Transformers step down distribution voltage (12.5 kV on Bainbridge Island) to service voltage (120 V). Transformers are the green boxes at ground level (4A) or the barrel-like canisters on utility poles (4B).
- 5

SERVICE LINE AND CONNECTION

Service lines, overhead (5A) or underground (5B), carry power from the transformers to the service connections to homes and business.
- 6

ELECTRIC METER

From a service connection, power travels to your meter, which measures your electricity usage, and then to your service panel located within your home or business. While PSE is responsible for your electric meter, we aren't responsible for your service connection or service panel. These pieces are customer-owned.
- 7

SERVICE PANEL

Each breaker on your service panel feeds wires that run through your walls to specific switches and outlets in your home or business.

00 OVERHEAD DISTRIBUTION
00 UNDERGROUND DISTRIBUTION
 Note: This is a graphical representation.