



1

Generation

Electricity is generated from power plants, wind turbines and solar panels.

2

Step-up transformer

Voltage is increased to push the power over long distances.

3

Transmission line

High voltage electricity is moved over long distances through transmission lines.

4

Transmission substations

High voltage electricity is lowered for use on the local distribution system.

5

Distribution substation

Substations lower the voltage further for local use.

6

Distribution lines

Lower voltage electricity is carried to homes and businesses.

7

Pad-mounted transformer

Voltage is reduced to the level people use in their homes for electronics, appliances and lighting.

8

Home farm & business

Electricity flows to a meter, to a service panel, and then to an outlet inside your home, farm or business.