



ADVANCED METERING

Power Delivery

The utility can remotely:

- Help you with questions related to your bill and meter.
- See when and where outages occur.
- Detect overloaded transformers or distribution lines.

GENERATION

HYDRO

POWER PLANT

Transformers and protective devices

Transmission wires

High voltage

From Power Generation to You

Seattle City Light produces and delivers environmentally responsible, safe, low-cost and reliable power. Power is generated, transmitted and distributed to homes and businesses through an extensive utility network. Advanced meters then collect customer energy-use data at homes and businesses and send it to City Light through a secure wireless network.

TRANSMISSION

Power delivered to the substation

Electricity is transformed into lower voltages

UTILITY

Data collection and management

REPEATER

Receives data from the meter and relays it to the collector (when the meter cannot connect directly to the collector)



Encrypted data

Energy-use data sent through secure wireless communications



COLLECTOR

Relays data to the utility that it receives from either the meter or repeater, depending on the wireless signal connection

DISTRIBUTION

Above and below ground power lines

CUSTOMERS

ADVANCED METERS

Collect kilowatt hour use data



KNOWLEDGE IS POWER: Advanced Metering will provide you with the ability to see your energy-use information daily, enabling you to make energy- and money-saving decisions