



# ELECTRICAL TRANSMISSION & DISTRIBUTION

Electrical transmission and distribution systems deliver electrical energy to potential customers.



## ENERGY STORAGE

Energy storage systems capture excess electricity and can improve the stability and reliability of electricity generated from potentially intermittent renewable sources such as wind or solar.



## SMART GRID

A smart grid consists of equipment, controls, and new technologies working with the electrical grid to respond quickly to demand for electricity.



## UNDERSEA CABLE CORRIDORS

The energy resources in the State of Hawai'i operate independently on each island. Undersea electrical power cables could be used to "connect" the islands for sharing energy resources.



## LAND/SEA CABLE TRANSITION SITES

The transition zone refers to the area from the offshore seabed transmission cable to the on-land transmission system.



## ON-ISLAND TRANSMISSION CONNECTIONS

Transmission lines carry power from renewable energy power sources to the local electrical grid or to land/sea transition sites.

