

## People Transfer Energy to Improve Society

Engineers often solve problems by making energy readily available and useful. Scientists and engineers work to find new and better ways to use different forms of energy and transfer them from place to place. Hydroelectric power plants use a series of energy transfers so that the motion energy of water can be converted to electrical energy.

Hydroelectric power uses flowing water to move large, spinning turbines. The motion energy of the turbines causes a change that produces electrical energy. And then the energy of electricity moves through wires over long distances, from place to place.

