

Hydropower is a domestic source of renewable, reliable, and affordable electricity. No other energy source offers so many advantages.

Domestic and Secure

Water from our rivers is a domestic resource that is not subject to disruptions from foreign suppliers, cost fluctuations, and transportation issues.



Efficient

Today's hydropower turbines are capable of converting more than 90% of available energy into electricity, which is more efficient than any other form of generation (the best fossil fuel power plant is only about 50% efficient).



Popular

Nationally, 93% of individuals believe hydropower is important or very important for meeting future electricity needs.

Source: 2002 public opinion poll by Bisconti Research Inc.

Clean

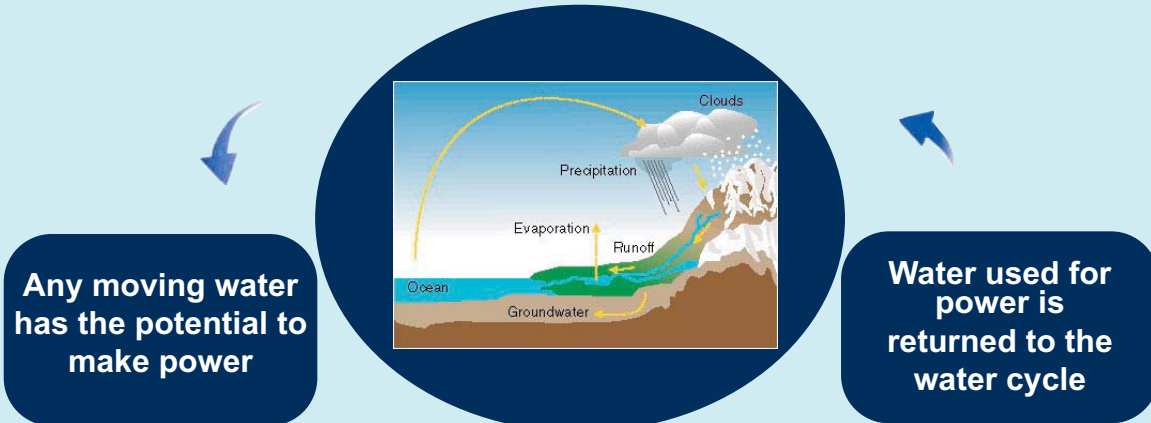
Hydropower uses water to generate electricity. It is climate-friendly and does not produce air pollution or create any toxic by-products.

Renewable

Like wind, solar, and geothermal, hydropower's "fuel" is essentially infinite and is not depleted during the production of electricity. Hydropower facilities simply harness the natural energy of flowing and falling water to generate electricity.

HydroPOWER
the power of moving water

Clean power for a secure energy future



The hydrologic cycle

source: http://hydropower.inel.gov/hydrofacts/how_hydro_works.shtml

Reliable

Hydropower can go from zero power to maximum output rapidly and predictably. This makes hydropower exceptionally good at meeting changing demands for electricity and providing ancillary electrical services that maintain the balance between supply and demand.

Flexible

Hydropower has the unique ability to change output quickly. Its unique voltage control, load-following, and peaking capabilities are critical for electric grid stability. This ability also provides an efficient and cost-effective way to support the use of intermittent renewable sources of power such as wind and solar energy.

Non-power benefits

Hydropower projects do more than just produce electricity; they create wildlife conservation lands, provide stable habitat for many kinds of wildlife, support healthy fisheries, provide water supply, control floods, irrigate land for food production, and create recreational opportunities for millions of Americans.

