



The best energy source on earth.

Interest in hydropower is rising nationwide – for several reasons. Demand for electricity is steadily growing, as is the desire for more renewable, carbon-free energy sources. According to the National Hydropower Association, using hydropower avoids nearly 200 million metric tons of carbon pollution in the U.S. each year – equal to the output of over 38 million passenger cars. In addition, new technology has made it possible to significantly increase hydropower efficiency and productivity. Many older hydroelectric dams are excellent candidates for upgrading their turbines and generators thereby increasing their power output by up to 30%.

The time for hydropower is now. Simply put, it's the most available, affordable, reliable, and sustainable energy source on the planet.

Energy that is sustainable and safe.

Our approach is to develop clean, renewable energy sources – without building new dams. We utilize environmentally sensitive technology and tools, such as fish-safe turbines and habitat-friendly design. Besides being safe to the environment, the projects we invest in are less expensive to build and have less regulatory risks. Hydropower is the natural choice.

"Thanks to modern environmental laws and values, coupled with FERC's regulatory process, hydropower's environmental performance has improved substantially. We need more clean energy, and yes, that means more hydropower. But we also need to modernize the hydropower we do have in order to improve its environmental performance."

- The American Rivers Association



Potential that is off the chart.

Believe it or not, there are more than 80,000 dams in the U.S. However, according to the Hydro Research Foundation, just a small percentage, only 3% of existing dams have been developed with hydroelectric capability. Thirty percent are located in environmentally sensitive zones and should not be developed, while the remaining 60% of existing dams offer tremendous opportunity for growth. In short, the potential for hydropower is enormous. With the current climate and rising demand for electricity, hydropower is an ideal energy source. The greatest immediate potential lies in electrifying existing dams for hydropower and maximizing their capacity and output.

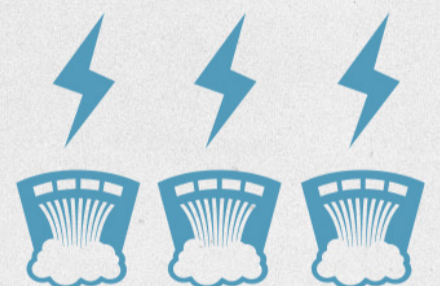
EH believes that hydropower is a critical component of the United States' strategy to reduce its dependence on fossil fuels and move toward clean, renewable energy sources. In 2010, hydropower produced 62% of total U.S. renewable electricity generation. The National Hydropower Association estimates that the U.S. can double its hydroelectric power by 2030 in an environmentally safe and sound manner.

Unlike wind and solar, hydropower offers, dispatchable energy with a proven, low- risk technology. Hydropower is the United States' most reliable and established source of clean, renewable energy, with over 130 years of operating history.

For more information on hydropower view the [DOE – NPD Report](#)



80,000 DAMS



ONLY 3% ELECTRIFIED

Advantages that add up.

- ◆ Quickly meet changing demand loads
- ◆ Often cheaper than fossil fuel alternatives
- ◆ Renewable energy source, no emission of pollutants
- ◆ Relatively low capital cost for existing dams
- ◆ Not dependent on commodity prices
- ◆ Can support grid for intermittent resources

Investments with returns.

- ◆ Plants with cost-efficient upgrade potential and PPAs
- ◆ Stranded assets in an undercapitalized portfolio
- ◆ Unpowered dams with FERC permits/licenses requiring capital
- ◆ Creates jobs and income
- ◆ Low O&M costs compared with other technologies

The time for hydropower is now.

Simply put, it's the most available, affordable, reliable, and sustainable energy source on the planet.



Experience deep expertise.

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This way to the hydropowered future »

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