

Where to get the facts behind hydropower

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The Melton Hill Dam on the Clinch River in East Tennessee can generate up to 79 megawatts of energy for the Tennessee Valley Authority. Credit: Jason Richards/ORNL, U.S. Dept. of Energy

To further the potential benefits of the nation's hydropower resources, researchers at Oak Ridge National Laboratory have developed and maintain a comprehensive water energy digital platform called HydroSource that informs key stakeholders of development and

operational costs, environmental concerns and licensing requirements.

Hydropower accounts for nearly 7% of all electricity generated in the United States and provides quick-start capabilities during blackouts and the ability to store power for high-demand periods.

HydroSource provides updated information on hydropower facilities and infrastructure, models and visualizations for future development, and analytical tools to better understand how and where hydropower can be implemented throughout the U.S.

"We created this digital platform to enable stakeholders, including [hydropower](#) developers and operators, non-governmental agencies and advocacy groups, and policymakers to make data-driven decisions," said ORNL's Debjani Singh. "We all want the same thing—to develop reliable, sustainable energy while protecting the environment."

More information: The HydroSource platform is available [here](#).

Provided by Oak Ridge National Laboratory

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