



# LEWIS RIDGE

Pumped Storage Project

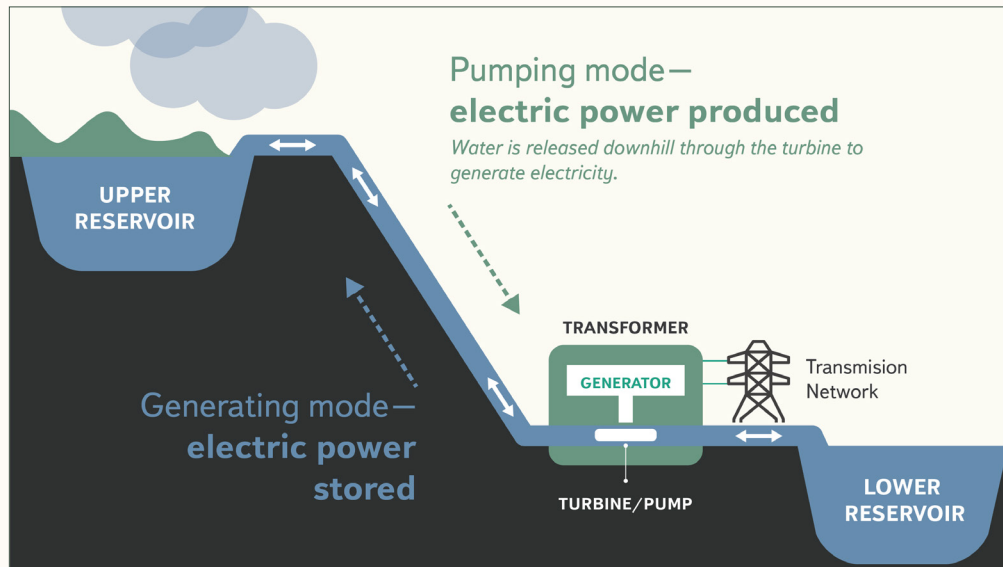


## A Bright Energy Future for Southeastern Kentucky

The Lewis Ridge Pumped Storage Project represents a new era of jobs and economic growth for Southeastern Kentucky. It builds upon the region's energy-producing legacy and skilled workforce to develop critical infrastructure that will power the nation for generations to come.

Located in Bell County at a former coal mine, the **\$1.5 billion** project will create **1,500 jobs** and deliver enough clean energy to power about **67,000 homes** annually.

### WHAT IS PUMPED STORAGE HYDRO?



Pumped storage facilities are the most common form of energy storage in the U.S., representing **93%** of all utility-scale storage.

Closed-loop pumped storage facilities move water between two reservoirs. During periods of low electricity demand, excess wind and solar energy can be stored by pumping water uphill. When electricity demand increases or wind and solar production decreases, water is released from the upper reservoir to the lower reservoir via an underground pipe. As water flows through turbine generators, it creates on-demand electricity.



### PROJECT AT A GLANCE

Transforms a former coal mine into an **energy asset**

**\$1.5 billion** investment in Southeastern Kentucky

Creates **1,500** construction jobs

Provides enough electricity to power **67,000 homes**

Offers **8 hours** of energy storage daily





## WHAT DOES PUMPED STORAGE MEAN FOR THE REGION?



### Proven

40+ pumped storage projects operating in the U.S.



### Long-Lasting

Facilities run for 100+ years



### Affordable

Costs 20-30% less than installed **lithium-ion batteries\***



### Dependable

Generates power even during extreme weather events



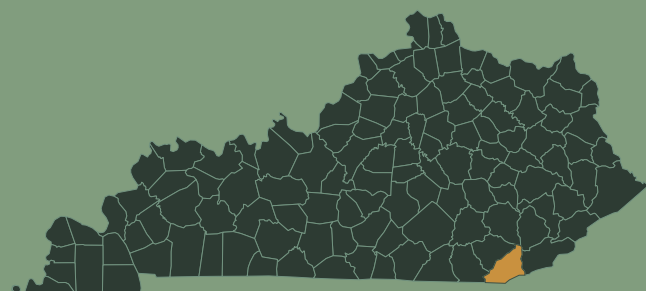
### Certainty

Provides 24/7 on-demand energy, helping ensure affordable energy prices

\*Source: Electric Power Research Institute

## PROJECT LOCATION

Bell County, Kentucky



## WHO IS DEVELOPING THE PROJECT?

Rye Development is a leading U.S. hydropower developer. Rye has successfully partnered with community stakeholders around the U.S. to create critical energy infrastructure projects that drive job creation, foster substantial local economic development, and positively impact underrepresented and disadvantaged communities.

Learn more: [www.ryedevelopment.com](http://www.ryedevelopment.com)

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For more information and to sign up for the project newsletter, please visit:

[www.LewisRidgeProject.com](http://www.LewisRidgeProject.com)