

# Goldendale Energy Storage Project

## LONG-LASTING, RELIABLE ENERGY STORAGE

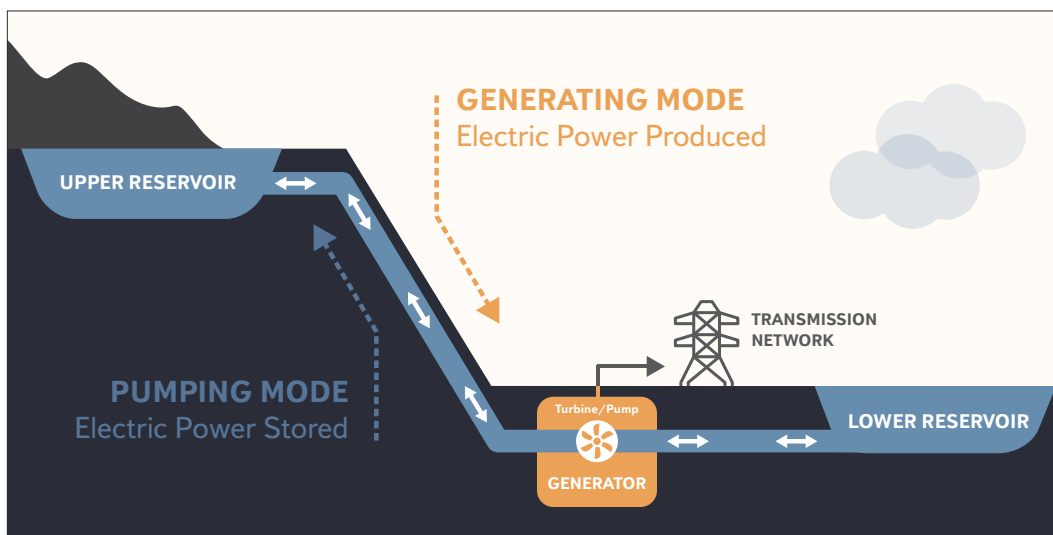
Pumped storage doesn't just store energy—it helps us use energy more wisely.

With electricity demand in the Pacific Northwest expected to grow more than 30% in the next decade, the Goldendale Energy Storage Project is a reliable way to store and deliver electricity over long periods of time.

The project uses **pumped storage hydropower**—the world's most common and reliable type of energy storage—to store excess electricity in a high-elevation reservoir and send it back to the grid when it's needed most.

The project will provide more than **3,000 family-wage construction jobs**, drive rural economic development, and support the region's growing energy storage needs with minimal environmental impact. At full capacity, the facility will generate **1,200 megawatts** of on-demand renewable electricity—enough to power about **500,000 homes**.

## PUMPED STORAGE HYDRO: A GIANT WATER BATTERY



Pumped storage hydropower accounts for **more than 90%** of U.S. utility-scale energy storage.



## PROJECT AT A GLANCE

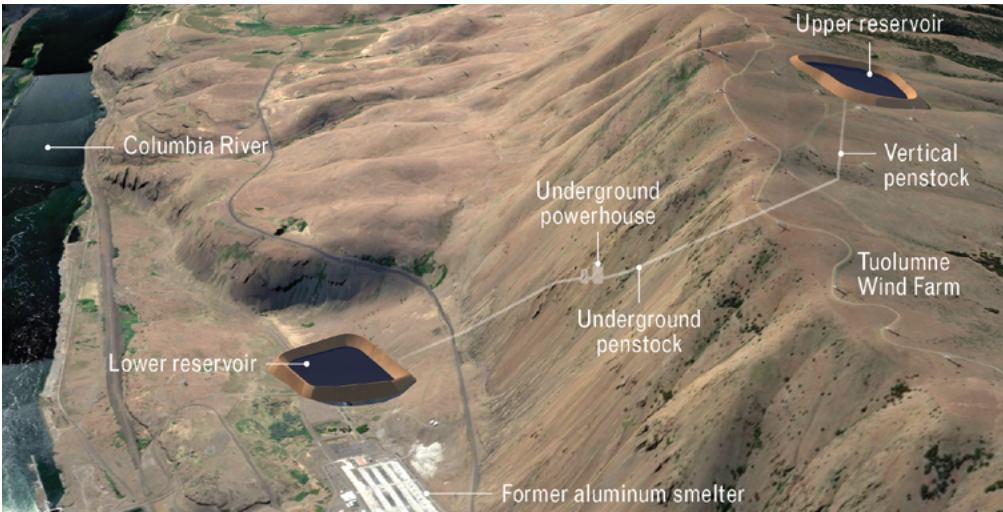


**Billions in Investment**

Supports  
**3,000**  
construction jobs

Offers  
**12 hours**  
of energy storage

Powers  
**500,000**  
homes



The Goldendale Energy Storage Project will include two artificial reservoirs that are physically separated from the Columbia River. Water will be purchased from the Klickitat PUD, and once filled, the closed-loop system recirculates it between the reservoirs through an underground pipe—preserving access to fishing along the river.

### ENVIRONMENTAL BENEFITS OF THE GOLDENDALE PROJECT

- **Cleans up contamination:** Invests \$10 million to remove contamination.
- **Maximizes clean energy:** Stores wind and solar power for use when the sun isn't shining or the wind isn't blowing.
- **Lower emissions:** Small carbon footprint compared to other energy storage.
- **Improves air quality:** Cleaner than backup fossil fuel power plants.
- **Safeguards water quality:** No harm to aquatic life, including endangered fish.
- **Compact design:** Avoids tribal fishing, hunting and gathering sites.

### THOROUGH ENVIRONMENTAL REVIEW AND PUBLIC OVERSIGHT

The Goldendale project has undergone a robust public input process, including independent environmental reviews by both state and federal agencies. Key milestones include:

**2022** – Washington State Department of Ecology determined the project would have no significant adverse environmental impacts with mitigation measures in place.

**2023** – Washington State Department of Ecology issued a certification, ensuring the project design doesn't harm water quality or aquatic life, including endangered fish.

**2024** – The Federal Energy Regulatory Commission (FERC) completed an independent Environmental Impact Statement and recommended licensing the project with measures from agencies, tribes and NGOs.

## BENEFITS OF PUMPED STORAGE



Keeps energy prices affordable



Long-lasting, with facilities operational for 100+ years



Reliable, ensuring grid stability for intermittent energy resources



Resistant to foreign supply chain disruptions



Affordable, costing 20-30% less than installed lithium-ion batteries\*

\*Source: Electric Power Research Institute

