

Goldendale Energy Storage Project

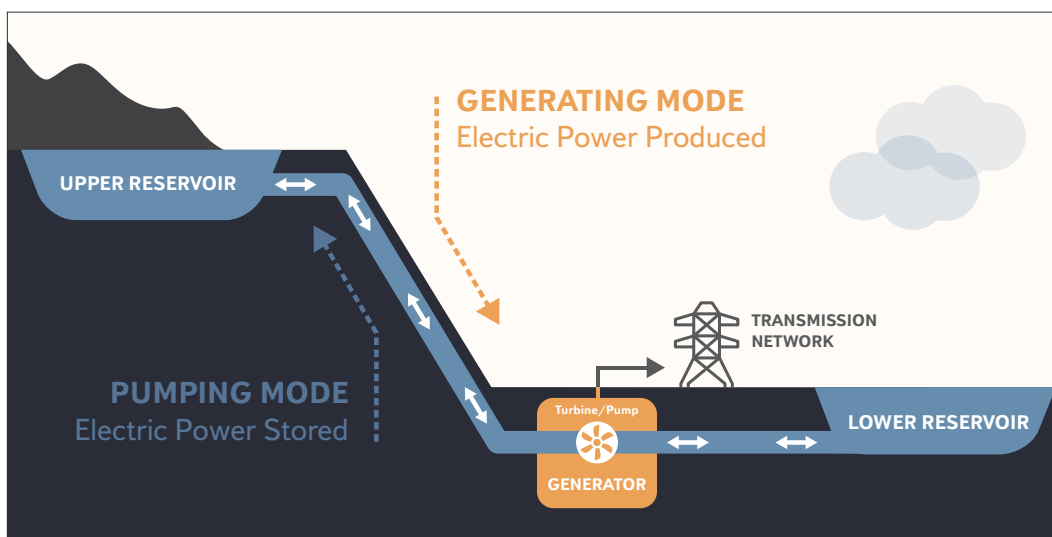
A CORNERSTONE OF THE PACIFIC NORTHWEST'S ENERGY FUTURE

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

The multibillion dollar project, located about eight miles southeast of Goldendale, Washington, uses pumped storage hydropower 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

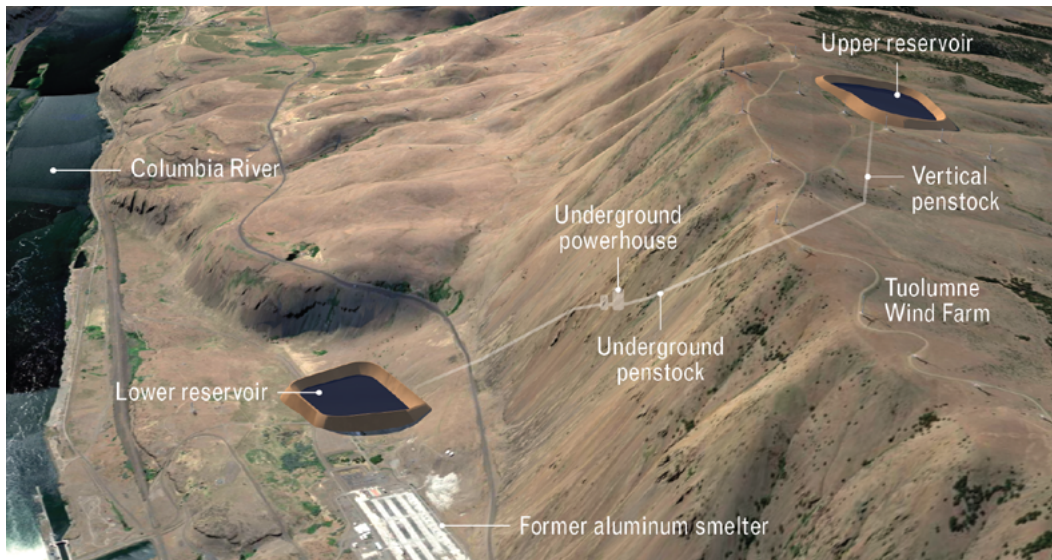
Located within the Columbia Gorge Bi-State Renewable Energy Zone, the Goldendale project is vital to the region.

The Goldendale Energy Storage Project will be sited on private land at the former Columbia Gorge Aluminum smelter, transforming the former brownfield site into a long-lasting energy asset.

ECONOMIC AND COMMUNITY BENEFITS

- **Creates quality jobs:** Supports 3,000 family-wage construction jobs that pay more than double the median local wage.*
- **Provides workforce training:** Apprentices can earn money while learning a trade.
- **Supports schools, roads, parks and safety:** Generates about \$14 million annually in tax revenue for Klickitat County for needs like schools, roads, and the hospital.

*In 2021, the median hourly wage for non-federal jobs in Klickitat County was \$25.31.



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

The Goldendale Energy Storage Project, located within the Tuolumne Wind Farm, captures energy that would otherwise go to waste because there's currently no way to store it.

ENVIRONMENTAL BENEFITS

- **Cleans up contamination:** Invests \$10 million to remove contamination at a former aluminum smelter.
- **Conserves water:** The system is filled once and reuses the same water.
- **Safeguards water quality:** No harm to aquatic life, including endangered fish.
- **Compact design:** Avoids tribal fishing, hunting and gathering sites.

PROJECT TIMELINE*

- **2018**
Preliminary permit issued
- **2020**
Final License Application submitted to FERC
- **2024**
Environmental Impact Statement completed
- **2026**
FERC license decision
- **2026-2027**
Final design and engineering
- **2027**
Start of construction
- ★ **2031-2032**
Commercial operation

* Anticipated timeline

