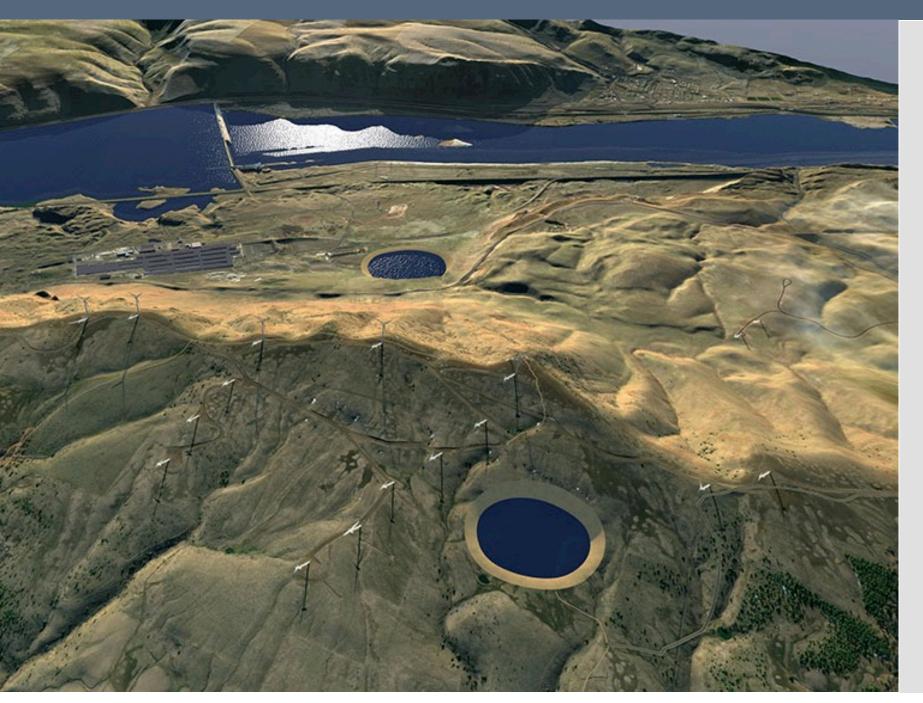
Goldendale Higher Statese

A community-driven approach to a carbon-free and equitable power grid





Introduction

Erik Steimle V.P. of Project Development Rye Development, LLC

Two Projects in Development:

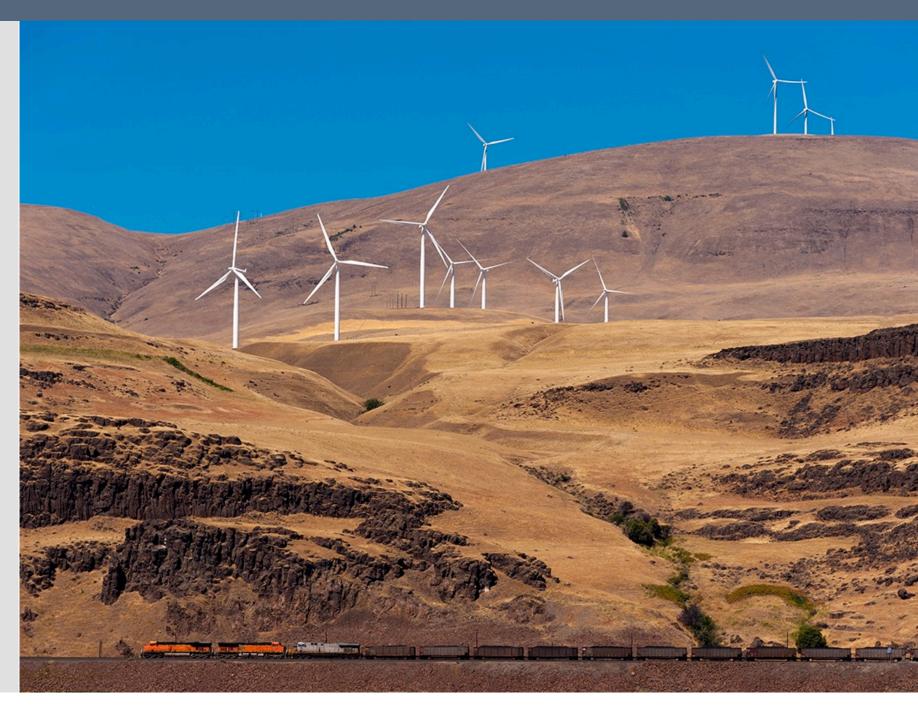
- Swan Lake 394 MW
- Goldendale 1,200 MW

Rye Development



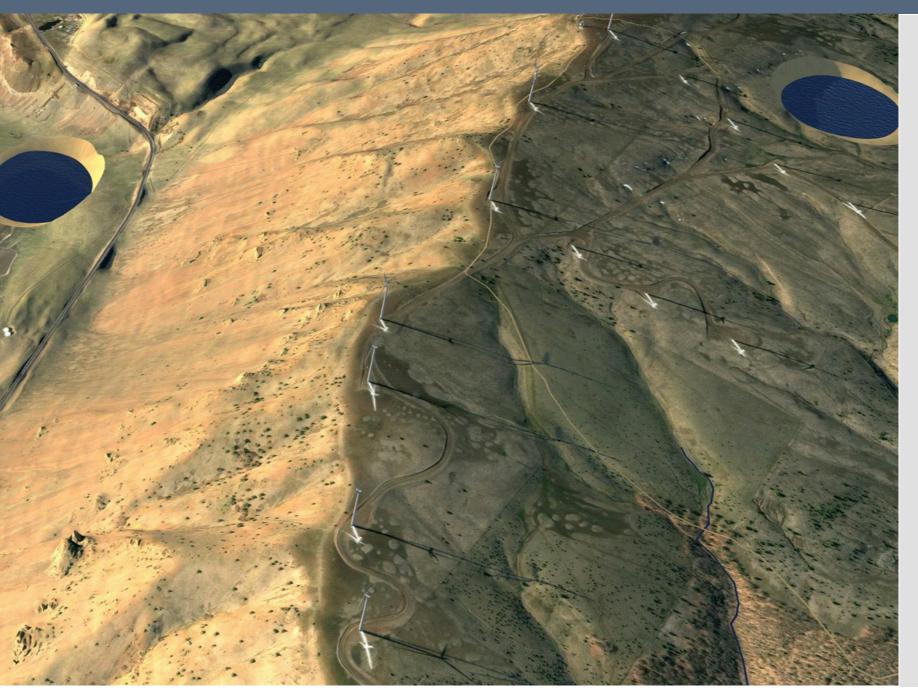
Goldendale Energy Storage Project

- What is the project?
- What is pumped hydro storage?
- Why is storage critical for the modern electricity grid?
- What does the Goldendale Energy Storage project mean for the region?
- Q&A



Rye Development

----- Goldendale -----Energy Storage



Project Overview

Project Owner: Copenhagen Infrastructure Partners

Developer:

Rye Development, LLC

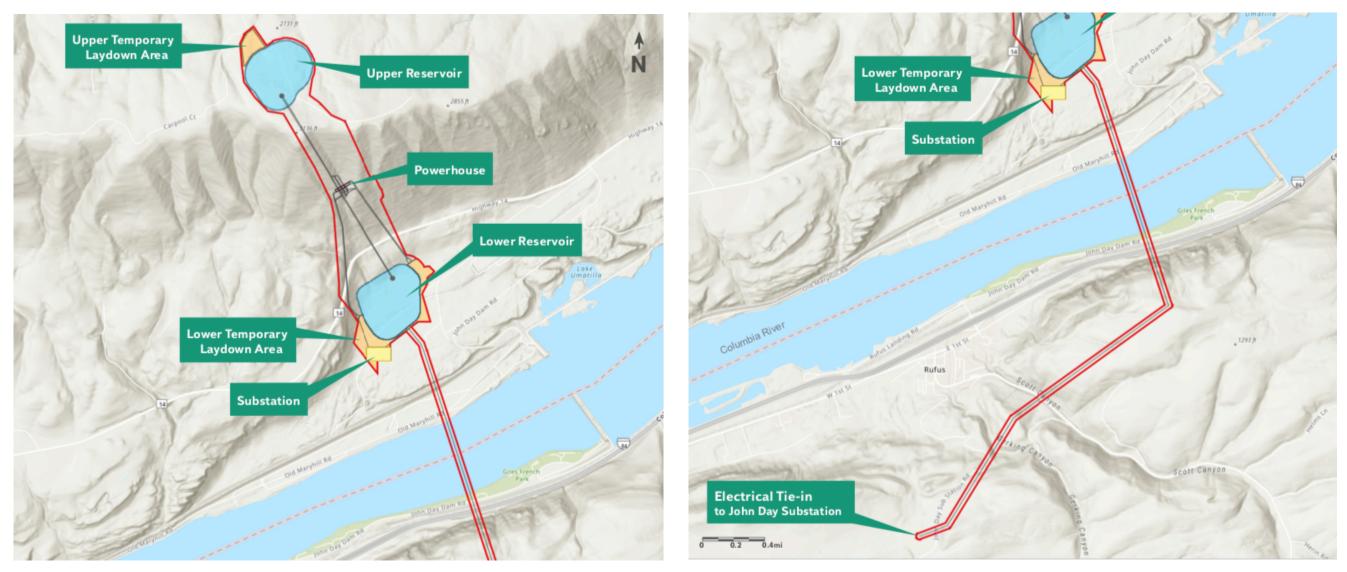
- •
- •
- Providing storage for the region's • abundant wind and solar power

Rye Development



Closed-loop pumped hydro storage Energy Overlay Zone, Klickitat County Generating 1,200 MW clean electricity

Project Location



Rye Development

—— Goldendale —— Energy Storage

How does pumped storage hydro work?

During periods of low electricity demand, excess wind and solar energy can be stored by pumping water uphill.

When electricity demand increases, or wind/solar production drops, water is released to generate electricity.

Upper Reservoir

Powerhouse

Pumping Mode

Water is pumped into the upper reservoir, ready for re-use when more energy is needed.

Lower Reservoir

Turbine/Pump







Generating Mode

Water is released downhill through the turbine to generate electricity.

Not to scale

Meeting clean energy and climate goals

Washington

100% renewable energy by 2050 mandate

Oregon

50% renewable energy by 2040 goal, potential for 100% commitment in the near future

California

100% renewable energy by 2040 mandate



Rye Development

----- Goldendale -----Energy Storage



Fueling the local economy

- \$2+ billion project
- jobs
- Columbia Economic Development

Rye **Dévelopment**



• More than 3,000 family-wage jobs during construction, and another 60 permanent

 Number One Washington project in Mid-District's economic development strategy

Minimizing environmental impact

- Revitalizes a former brownfield site into a clean energy resource
- Helps us reduce our emissions and dependence of fossil fuels
- "Closed-loop" systems do not involve construction of a new dam on a river.
- Lower investment in transmission infrastructure compared to other clean energy options



Rye Development

----- Goldendale -----Energy Storage



Timeline

2018

Preliminary permit issued

2021-2022

FERC Environmental Assessment or Environmental Impact Statement

2020

Final license application submitted to FERC

2022-2024

Final design

Stay up to date. Sign up for our newsletter at:

www.goldendaleenergystorage.com

Rye Development





2028 Begin commercial operation

Thank You

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Rye Development