



# Advocating for the Columbia River: Case Studies to Inspire Hope in Uncertain Times

*Photo credit: Paloma Ayala*

Lauren Goldberg, Executive Director

# Mission

To protect and restore  
the water quality of  
the Columbia River  
and all life connected  
to it from the  
headwaters to the  
Pacific Ocean.



*Photo credit: Paloma Ayala*

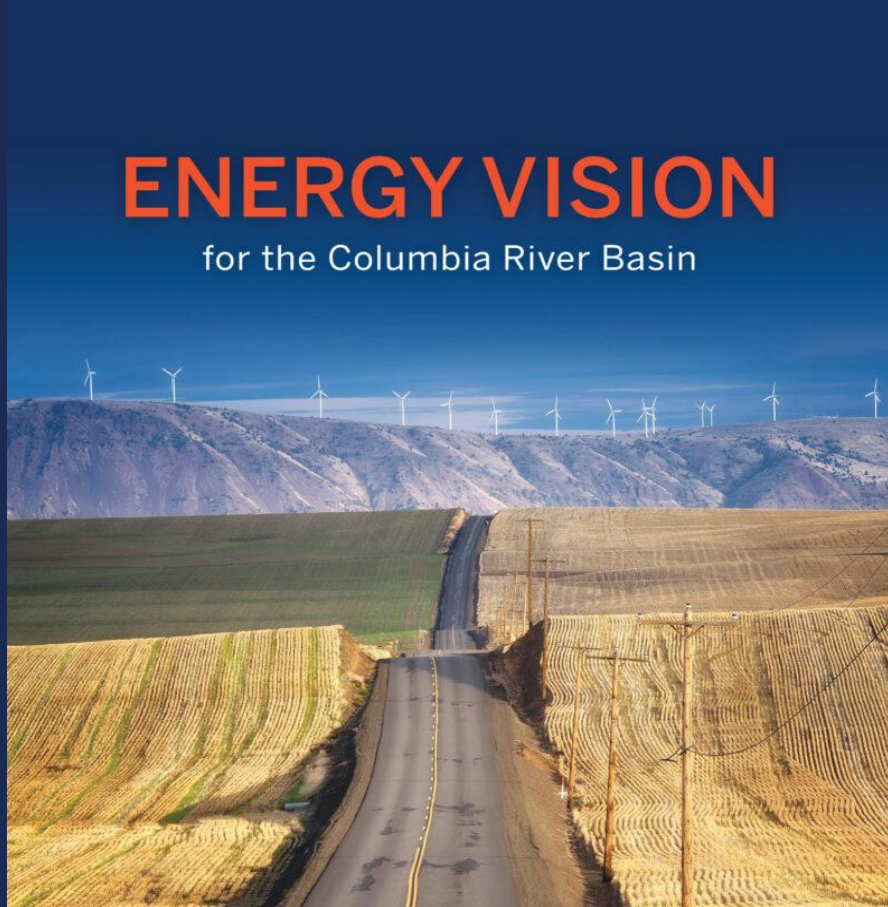


# Just Transition from Fossil Fuels



## ENERGY VISION

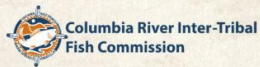
for the Columbia River Basin



Columbia River Inter-Tribal  
Fish Commission

# ENERGY VISION

for the Columbia River Basin



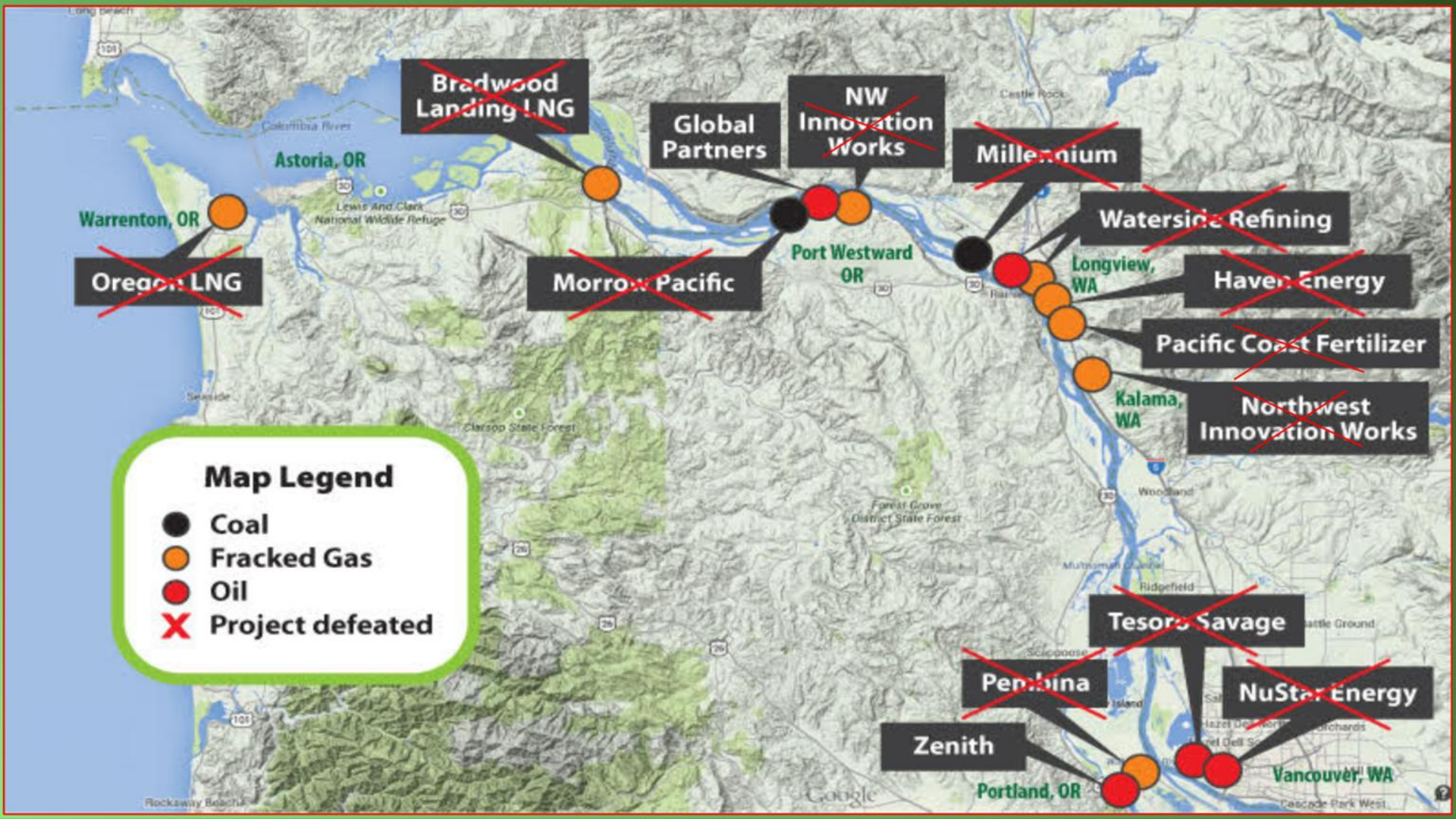
## A Just Energy Future

- **Columbia Riverkeeper advocates for an energy future that:**
  - Is truly **renewable and carbon neutral**
  - **Honors Tribal sovereignty** and shifts the burden of energy production away from Tribes and frontline communities
  - Accommodates river restoration and river operations necessary to **support healthy and harvestable fish populations**
  - Allows **native fish and wildlife populations to persist and recover** in abundance
  - Accommodates the needs of low-income households and **does not shift the cost of energy to serve large new industrial loads to ratepayers**
  - **Manages load growth** intentionally
  - Aligns with **CRITFC Tribal Energy Vision for the Columbia River Basin**

# **Preventing the Columbia from Becoming a Fossil Fuel Highway**







~~Bradwood Landing LNG~~

Global Partners

~~NW Innovation Works~~

~~Millennium~~

~~Waterside Refining~~

~~Oregon LNG~~

~~Morrow Pacific~~

Port Westward OR

~~Haven Energy~~

~~Pacific Coast Fertilizer~~

~~Northwest Innovation Works~~

Longview, WA

Kalama, WA

~~Tesoro's Savage~~

~~Permian~~

~~NuStar Energy~~

Zenith

Portland, OR

Vancouver, WA

**Map Legend**

- Coal
- Fracked Gas
- Oil
- ✗ Project defeated



# Underwater Power Line in the Columbia

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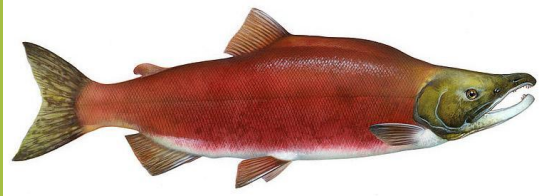
Developers want to bury and operate a transmission line under the Columbia River from The Dalles to Portland

- Approximately 100 miles trenched
- 400-kilovolt transmission cable
- 40 to 50 year lifespan



# Project Footprint





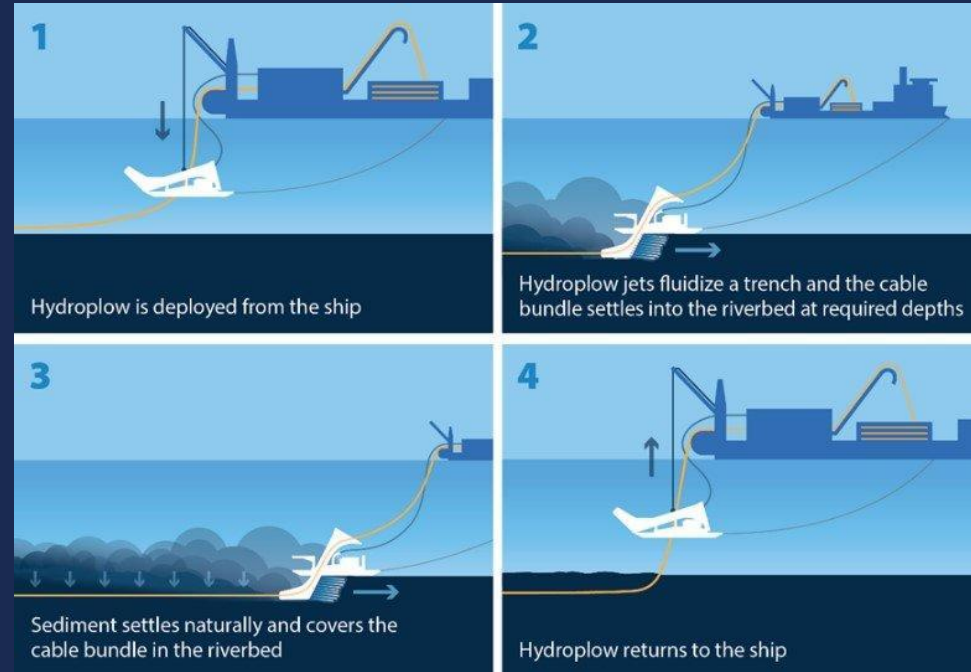
# Species of Concern

- ESA-listed and culturally important
- Columbia River Salmonids
  - Chinook Salmon
  - Coho Salmon
  - Sockeye Salmon
  - Steelhead
- Pacific Lamprey
- Eulachon
- Sturgeon
- Other Columbia River aquatic and benthic species

*Photo credit: Washington State Department of Fish and Wildlife; U.S. Fish and Wildlife; U.S. National Park Service; Columbia River Inter-Tribal Fish Commission (CRITFC); NOAA Fisheries*

# The Details

- **Hydroplow to lay a majority of the line**
  - Approximately 10 ft. in the river sediment\*
- **Where it cannot be buried, concrete mattresses and rock berm will be used**
  - Amount and frequency of this method undisclosed
- **Timing**
  - Proposing that this is done in two “construction” cycles
  - During winter/fall
- **Developers claim “minimal” impacts**
  - No site-specific studies done to date



*Photo credit: Cascade Renewable Transmission*

# Legal Action to Protect Clean Water



# Renewable Fuels & Greenwashing



*Photo credit: Alex Milan Tracy*



### COLUMBIA RIVER ESTUARY



The Columbia River estuary is a critical intersection between freshwater and saltwater. Juvenile salmon and lamprey spend days or weeks gradually acclimatizing themselves to increasing concentrations of salts. The adult fish use estuary areas to readjust body chemistry to the freshwater environment. Tidally influenced changes in the Columbia River are observed as far upstream as Bonneville Dam at river mile 146.

Credit: Columbia River Inter-Tribal Fish Commission



**NEXT**

**HERMO ROAD**

# Greenhouse Gas Emissions



- **1 million tons of GHGs/year, powered by methane gas**
- **Will use as much gas as the City of Eugene on an annual basis**



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