



Examining the role of the Lower Snake River Dams Through an Equity Lens

Pacific Northwest Regional Economic Conference
May 23, 2024



Who we are

"Lead the charge for the Northwest to realize its clean energy potential using hydroelectricity as the cornerstone."

Panelists



Michael Deen
Public Power Council



Michelle Hennings
**WA Association
of Wheat Growers**



Neil Maunu
**Pacific Northwest
Waterways Association**



Rob Rich
Shaver Transportation Co.



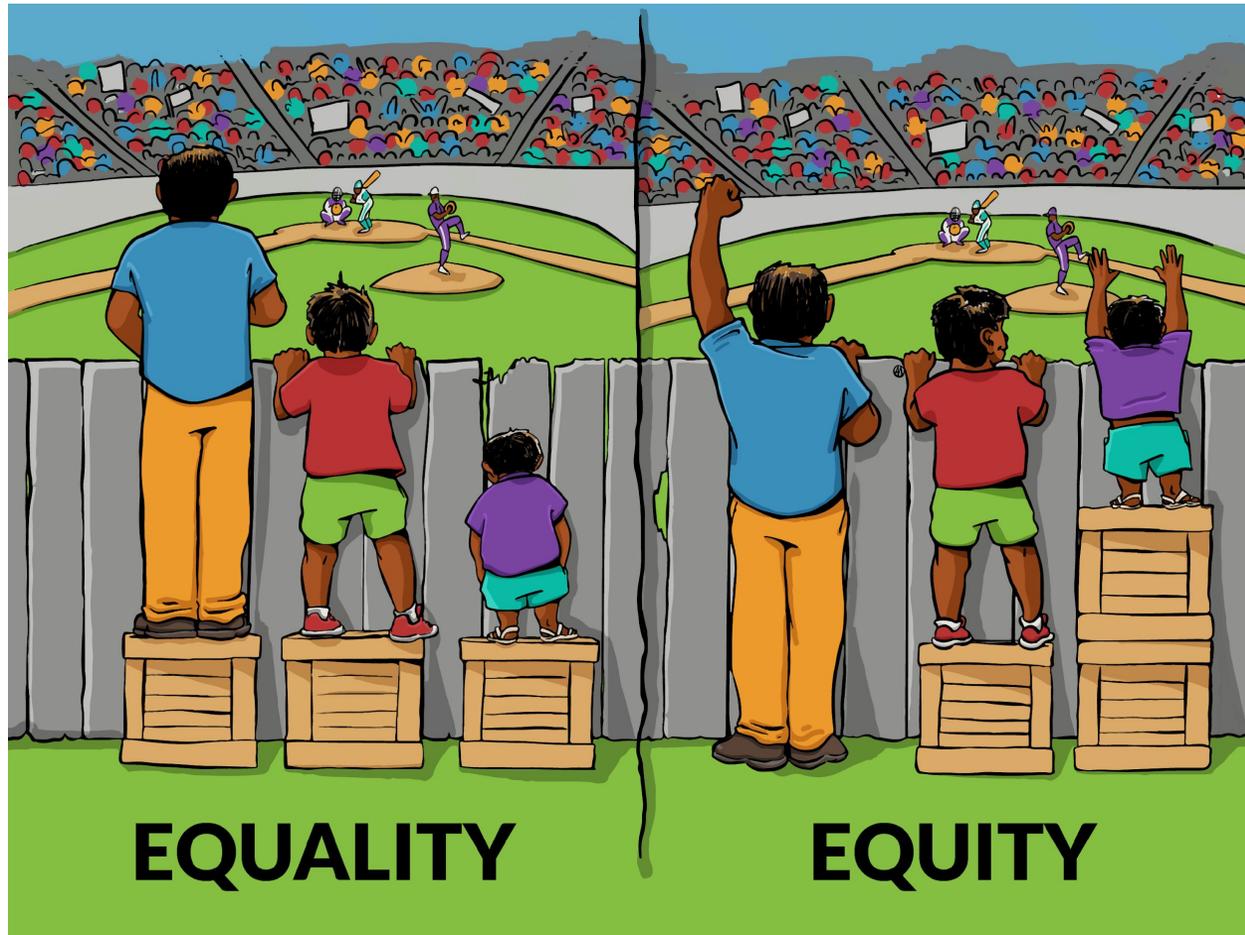
Austin Rohr
NW RiverPartners



Clark Mather
NW RiverPartners

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What is equity?



Courtesy: Interaction Institute for Social Change | Artist: Angus Maguire

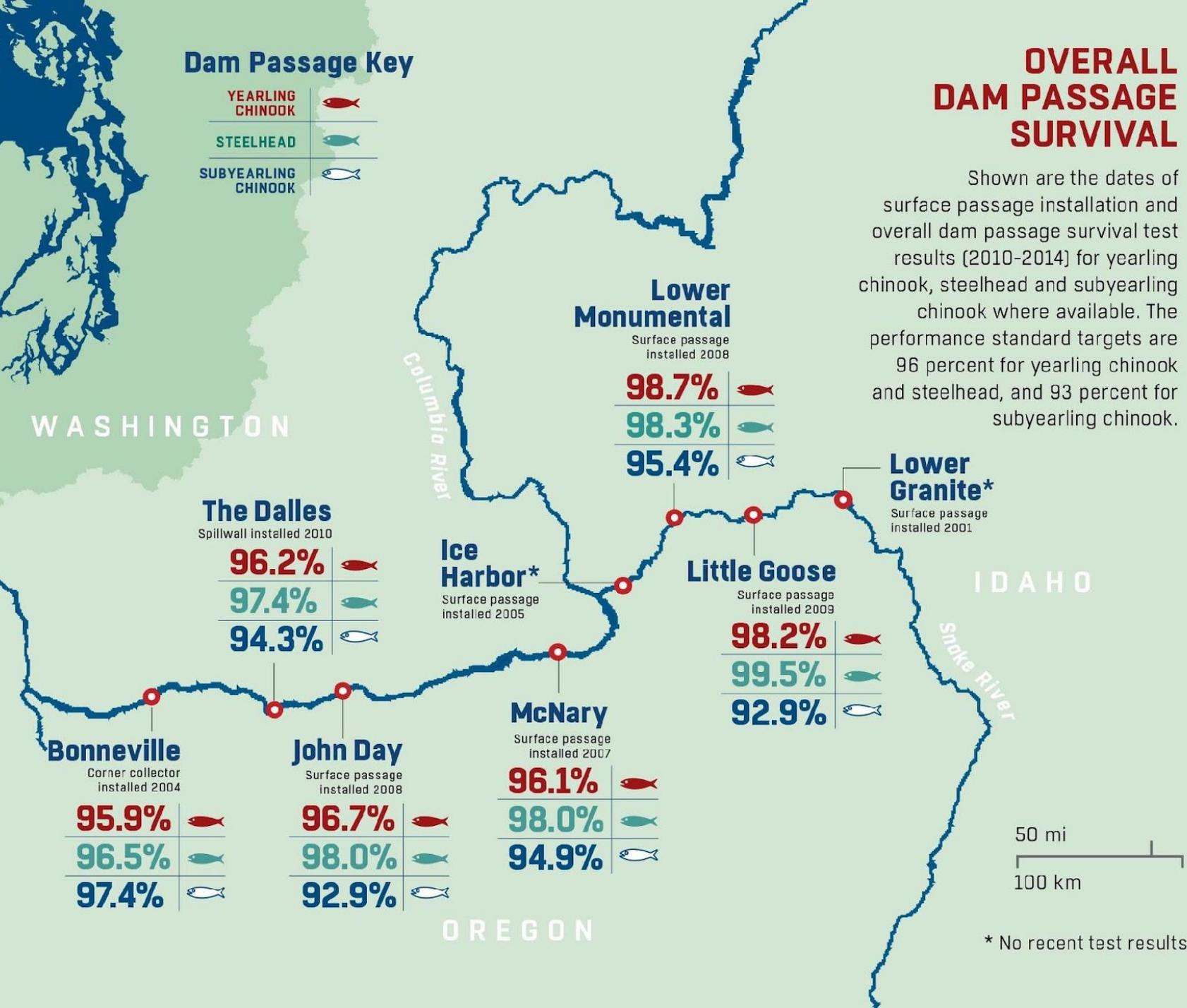
Combined with refined spill operations, the installation of surface passage has reduced the percentage of fish that go through powerhouses (i.e. turbines), decreased fish travel time through the system and increased overall fish survival.

Dam Passage Key

YEARLING CHINOOK	
STEELHEAD	
SUBYEARLING CHINOOK	

OVERALL DAM PASSAGE SURVIVAL

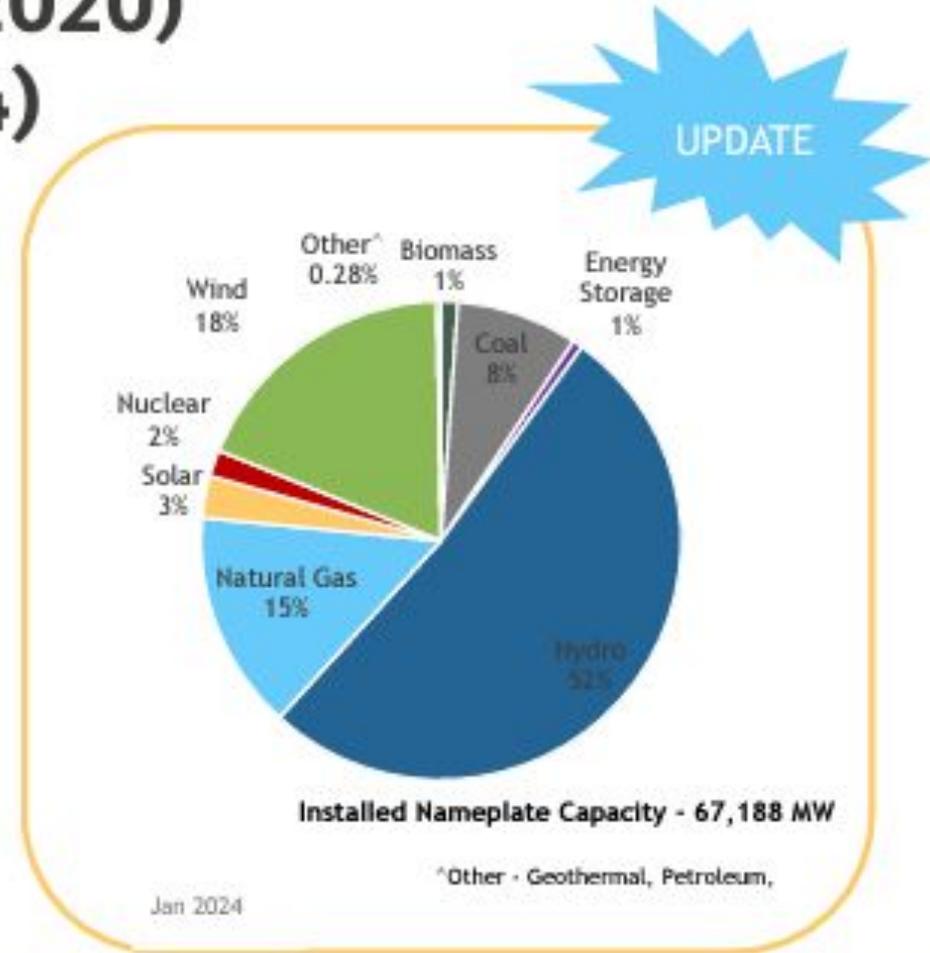
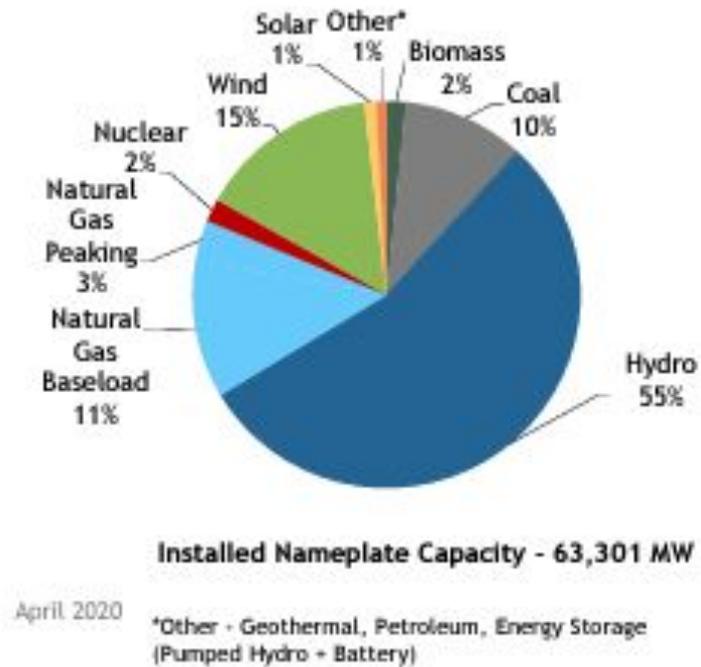
Shown are the dates of surface passage installation and overall dam passage survival test results (2010-2014) for yearling chinook, steelhead and subyearling chinook where available. The performance standard targets are 96 percent for yearling chinook and steelhead, and 93 percent for subyearling chinook.



* No recent test results

Hydropower = PNW backbone

**2021 Power Plan (April 2020)
vs. Today (February 2024)**



Courtesy: Northwest Power and Conservation Council

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Hydropower = Affordable energy



Courtesy: Getty Images/iStock Photo

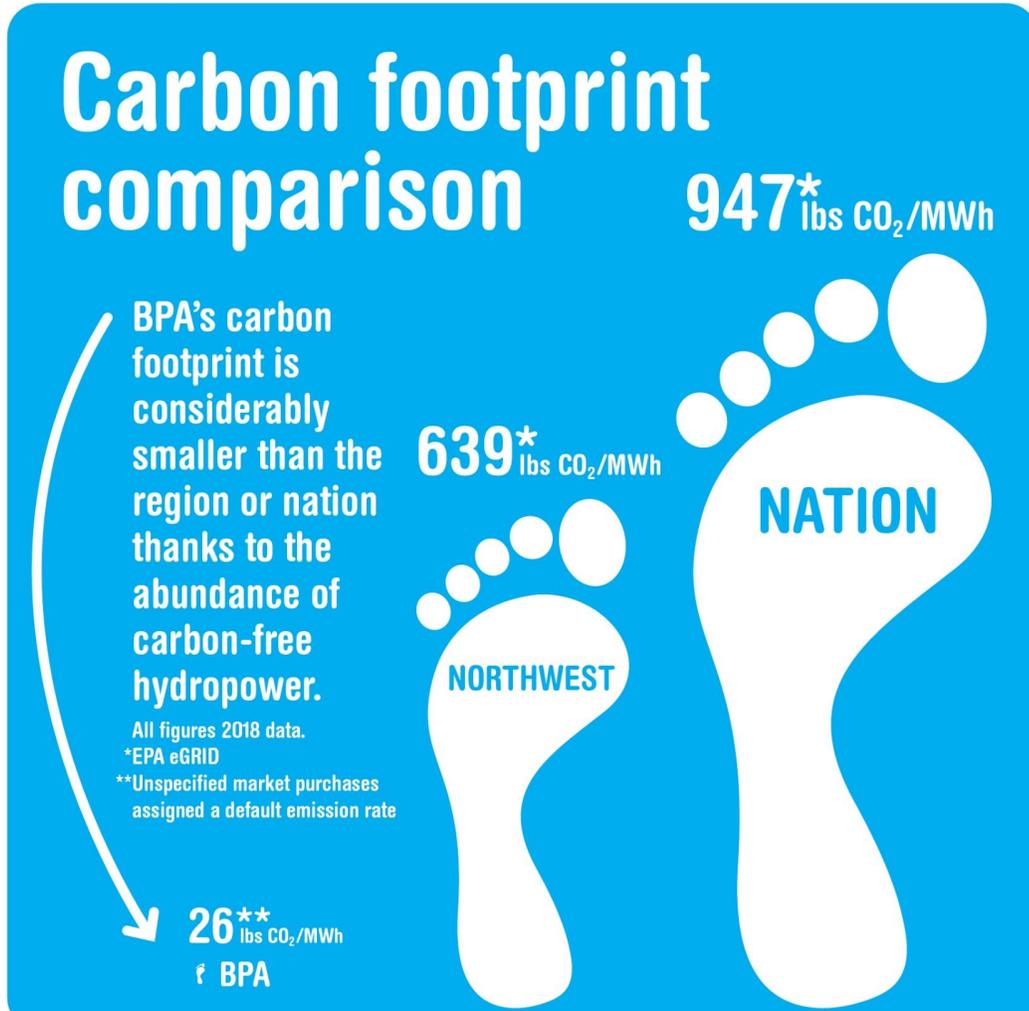
PNW customers pay some of the lowest electricity costs in the U.S.

- ID – 2nd cheapest retail cost
- WA – 5th cheapest retail cost
- OR – 6th cheapest retail cost
- MT – 10th cheapest retail cost

Courtesy: U.S. Energy Information Administration, U.S. Electricity Profile 2022

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Hydropower = Clean Air



- Hydropower continues to produce, clean carbon-free energy in our region
- Hydropower reduces emissions in other economic sectors (ex: transportation)

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TRANSPORTATION

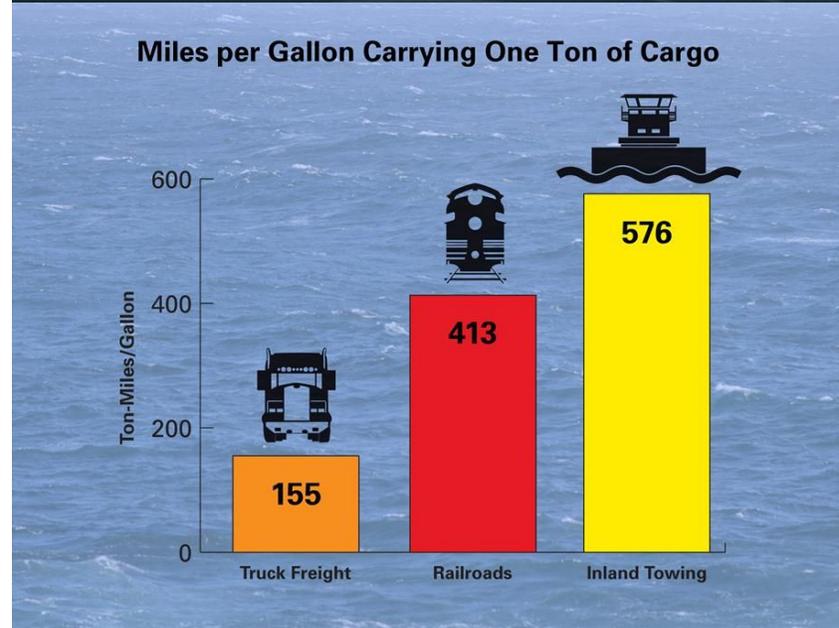
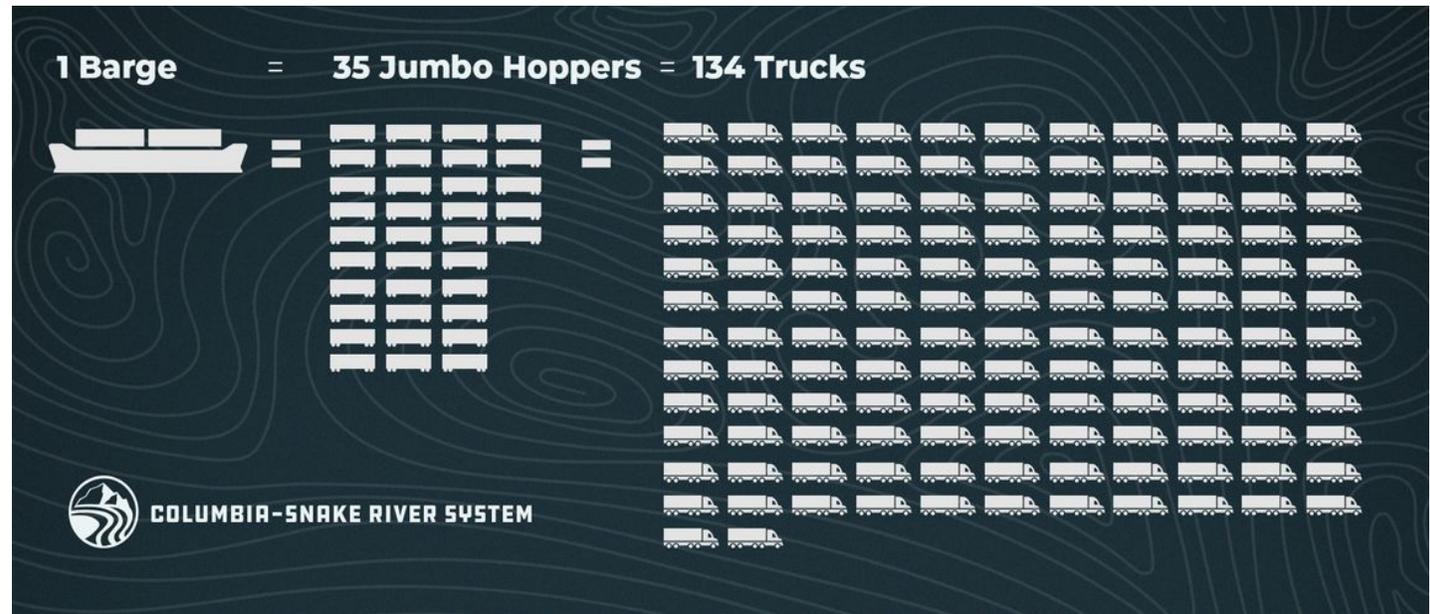
BENEFITS

Benefits of Barging

- Cost-Efficient
- Safe
- Reliable
- Environmentally Responsible
- 1 4-barge tow (1 tug boat) is the equivalent to 538 trucks on the road

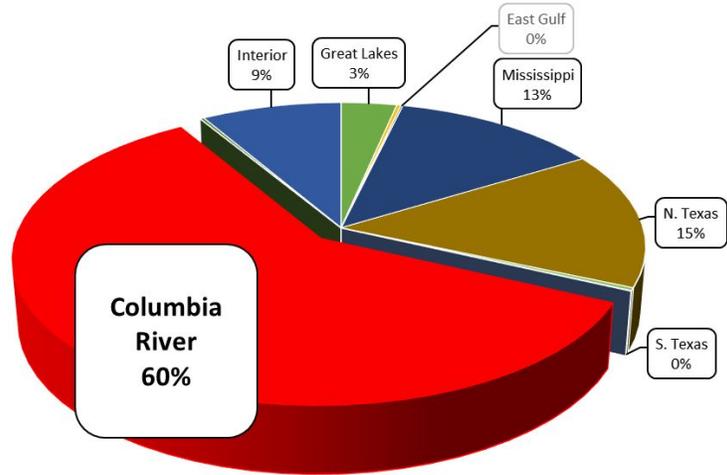
Commodities Moved

- Grain
- Wind Energy
- Renewable fuels and jet fuels
- Fish Passage and barging
- Cruise Passengers
- Gravel, Timber, many other commodities

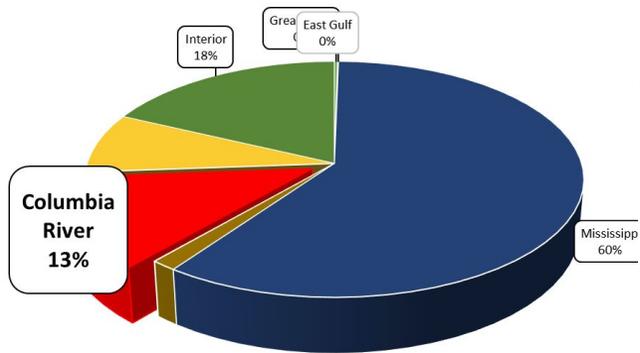


Third largest grain export gateway in the world

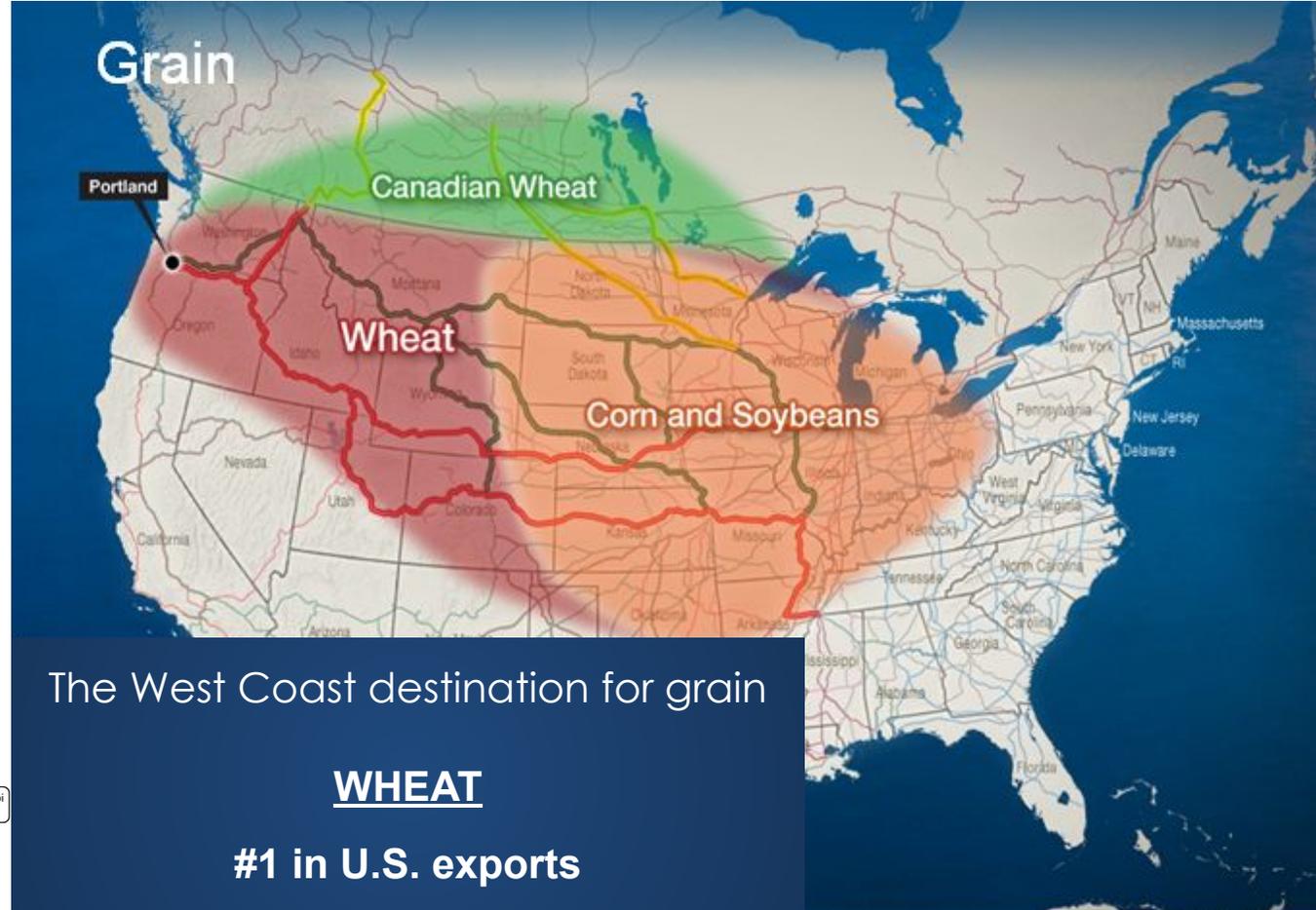
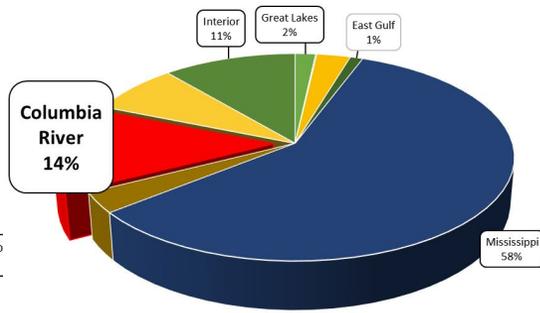
2020 U.S. Wheat Exports



2020 U.S. Corn Exports



2020 U.S. Soy Exports



NAVIGATION ON THE RIVER

A Marine Highway Deep Draft Portion

Astoria to Portland, OR

110 miles long

43 ft. deep

55 million tons of cargo

\$27B worth of cargo in 2023

Inland System

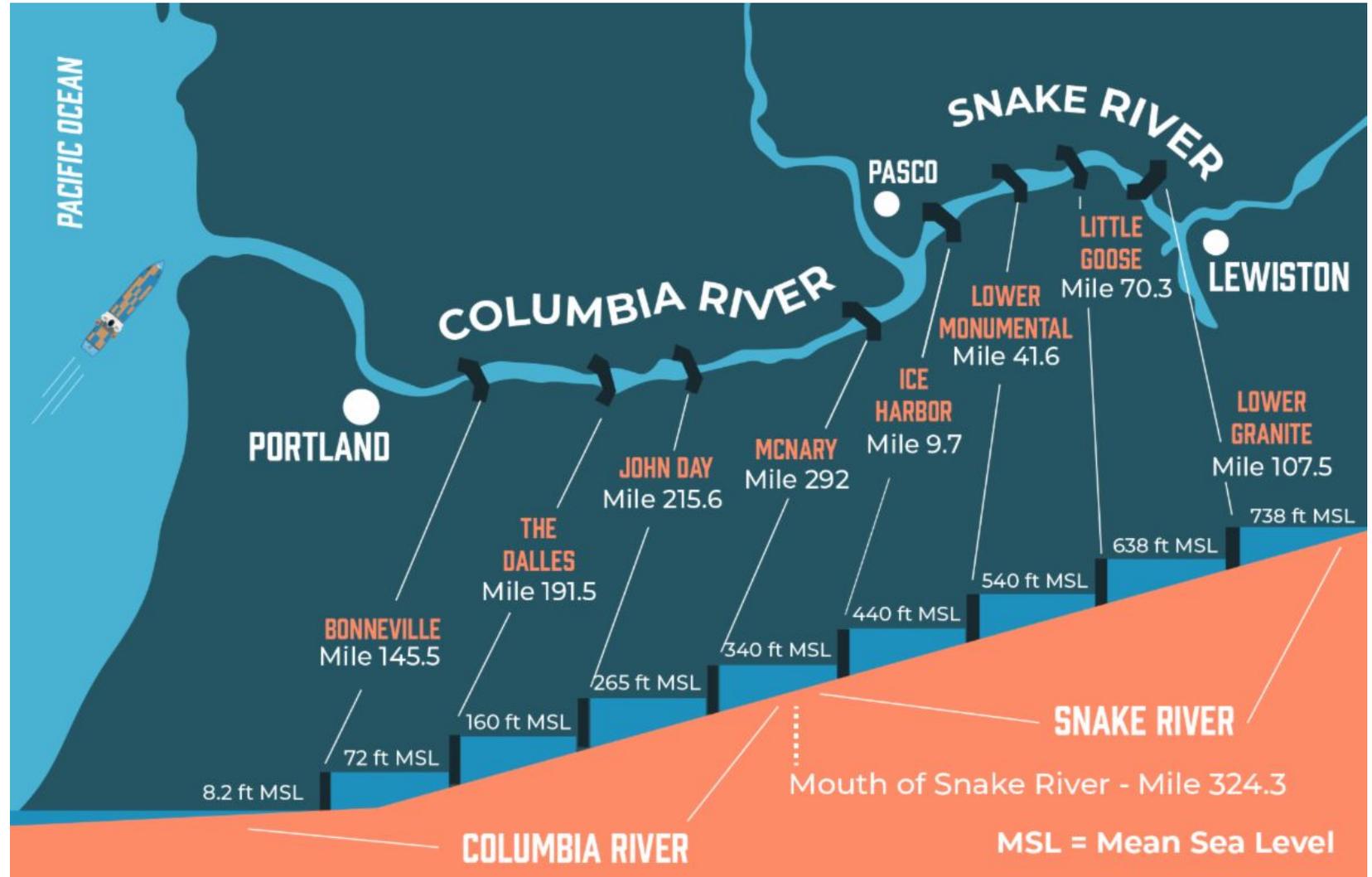
Portland, OR to Lewiston, ID

365 miles long

14 ft. deep

8 lock & dams

8.5 million tons of cargo





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Appendix

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LSRDs – Meeting Peak Demand

Pacific Northwest January Cold Event

