Hydropower in MONTANA

46

Hydropower facilities including **Hungry Horse**

9,870,000 MWh

Net Electricity Generation Annually

Residents benefit from hydropower.

22% lower electric bills than the rest of the U.S.

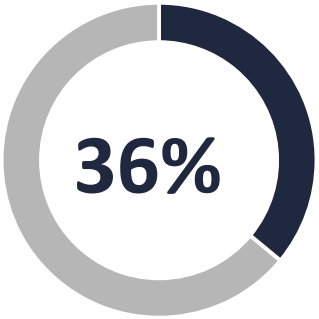
93

Generating units at the facilities

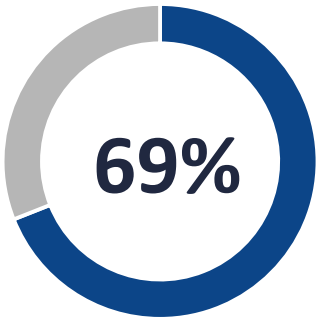
Equivalent number of homes powered by hydropower

921,140

Montana's hydropower as a % of total energy



% of Montana Renewable Energy from Hydropower



5.8 million metric tons CO_2 equivalent emissions are avoided by hydropower generation.

That's like taking 1.26 million cars off the road each year.

Potential Growth	
Amount of technical potential hydropower at current non-powered dams over 1MW (total capacity MW):	**67.8 MW**
Amount of technical potential hydropower at new stream reaches outside wilderness, national parks, etc. (total capacity MW):	**3,914 MW**
Theoretical marine hydrokinetic potential from river currents in the state.	**72 TWh/yr**

Jobs & Economic Benefits	
Number of jobs in the Northwest created by hydropower:	**7,400**
Percent of hydropower workers in the Northwest who are skilled or craft workers:	**40.5%**
Number of additional jobs needed by 2040 in the Northwest to support hydropower growth, workforce retirements, and rehabilitating older facilities:	**3,700**

Environmental Benefits

Monitor and regulate water temperatures and moderate effects of climate change at hydropower facilities to maintain safe water conditions for fish and aquatic species, especially during hot summer extremes.
Fish hatcheries to help recover ESA-listed species important to the state's history and cultural identity.
Protection and conservation of wildlife habitat such as old-growth and second-growth forests, riparian and migratory corridors, and wetlands.
An on demand resource for integration of other intermittent carbon free resources, like wind and solar, providing instant energy when the sun isn't shining or the wind isn't blowing.

Recreation Benefits

Hydropower provides recreation opportunities to communities:

- Boating of all types - whitewater boating, rafting, flatwater boating, kayaking
- fishing – shore, boat, river, and lake
- swimming
- biking – mountain and road
- hiking
- wildlife viewing
- camping & more!

No other energy source provides recreation like hydropower does.

NWHA
NORTHWEST HYDROELECTRIC ASSOCIATION

www.nwhydro.org

503-502-7262

info@nwhydro.org

Sources:

- www.eia.gov/energyexplained/hydropower/where-hydropower-is-generated.php
- www.hydro.org/map/hydro/
- www.eia.gov/tools/faqs/faq.php?id=97&t=3
- https://www.nrel.gov/docs/fy19osti/74313.pdf

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