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## **Obsidian Pacific NW Hydrogen Hub seeks federal funding as part of national clean hydrogen network**

*The complete regional plan will produce, store and transport clean hydrogen fuel for consumers in Oregon and Washington*

Lake Oswego, Ore. – Yesterday was the U.S. Department of Energy’s (DOE) deadline for concept papers from possible projects around the country seeking to be part of a new national clean hydrogen network. Obsidian Pacific NW Hydrogen Hub submitted a [plan](#) to DOE for support of a hydrogen network in the Northwest powered entirely by renewable electricity.

[DOE is administering \\$8 billion](#) from the Bipartisan Infrastructure Bill designed to scale-up production of low-carbon (“clean”) hydrogen by funding what they are calling hydrogen hubs—infrastructure to make, store, transport and use hydrogen. DOE expects hydrogen hubs to “form the foundation of a national clean hydrogen network that will contribute substantially to decarbonizing multiple sectors of the economy.” The Obsidian Pacific NW Hydrogen Hub will leverage private funding with \$700 million of DOE money for its multi-billion dollar project.

“The Obsidian Pacific NW Hydrogen Hub is proud to work with our partners to establish a reliable, cost-efficient, renewable energy source in the region,” said David Brown, senior principal and co-founder of Obsidian Renewables. “Projects inspired by the hub will create thousands of good-paying, green jobs that will directly benefit disadvantaged communities throughout the region by diversifying local economies, reducing pollution, spurring training and apprenticeship programs and building new career opportunities in Washington and Oregon.”

The complete plan envisions production, storage, transportation and consumption of hydrogen. Hydrogen is a versatile industrial feedstock and fuel that the hydrogen hub will supply to a wide array of industries such as agriculture, data centers, hospitals, ports, power plants and domestic fertilizer producers. Anchor sites in Moses Lake, Washington and Hermiston, Oregon, will use power from new renewable wind and solar power plants to split water in a process called electrolysis. These renewable energy sources will connect to a 400-megawatt electrolyzer capable of producing 175 metric tons of hydrogen a day at each anchor site.

The Obsidian Pacific NW Hydrogen Hub also includes a new hydrogen pipeline system to store, collect and distribute hydrogen to consumers across eastern Oregon and Washington, providing the lowest cost source of hydrogen across much of the Northwest.

"Replacing the fossil energy system is a massive endeavor," said Ken Dragoon, Obsidian Renewables' director of hydrogen development. "Our project produces hydrogen from local wind and solar resources that can't otherwise make it onto the power grid, enabling them to do their part in decarbonizing fertilizer manufacturing, power production and transportation."

The DOE plans to select six to 10 hydrogen hubs to receive between \$400 million and \$1.25 billion to connect large-scale clean hydrogen production to consumers. Applications will be evaluated based on several key factors including technical merit, financial viability and community benefits. DOE is expected to provide feedback on project concepts in December with final funding awards anticipated in Fall of 2023.

**About Obsidian Pacific NW Hydrogen Hub:**

*The [Obsidian Pacific NW Hydrogen Hub](#) intends to be one of the federally funded renewable hydrogen hubs selected by the U.S. Department of Energy. It will include industrial parks in Oregon and Washington that will be home to new renewable nitrogen/ammonia fertilizer plants supplied through a new dedicated renewable hydrogen storage pipeline.*

*Obsidian Renewables is proud to have been a leader in the effort to bring large scale solar to Oregon and to promote it as a reliable and low-cost form of energy. Looking forward, we see exciting possibilities for solving our energy issues with renewable energy storage, hydrogen and other technologies.*

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