

Transforming the Northwest Energy System NWESS 2022



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Speaker: Len Anderson, PE, Douglas County PUD, Senior Distribution Systems Engineer

Title: Hydropower to Hydrogen

Abstract: Douglas County PUD has committed to a substantial Power to Gas project through using electricity from Hydro-power to generate Hydrogen.



With one of the lowest power costs in the United States, Douglas PUD felt that it was time that the Public Utilities utilizing Hydro-power made the leap to generating hydrogen for Green energy use, power management and potentially power generation back to the Grid.

Len will discuss the challenges and hurdles involved as well as the potential benefits, some obvious and some not. Methods, Equipment selection as well as site selection and environmental concerns will be addressed. Timing for this project start, coming right at the start of Covid restrictions, added an extra set of challenges and impacts to the project.

Bio: Twenty-One years' experience in the electrical power Transmission and Distribution as Distribution Systems Engineer for Douglas County PUD. Twenty-One years' experience in the US Navy Submarine Service as Polaris & Trident Electronics Technician and Nuclear Propulsion Engineering Officer.

