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Presentation to House Energy and Environment Committee
September 22, 2022

Hydrogen is another valuable and necessary tool for meeting the state's and the region's ghg emission reduction goals. Especially in the highest polluting and carbon intensive sectors. Its benefits include:

Zero emission

Non toxic

Non polluting

Diverse uses: transportation, energy storage, fertilizer, renewable energy storage

1) The Inflation Reduction Act (IRA) hydrogen supports are a watershed event, opening the door to developing hydrogen from renewable resources as a clean fuel and feedstock. We expect to be able to make hydrogen at a lower cost than gasoline and diesel, and competitive with natural gas.

2) This is especially important to getting wind and solar resources developed in places where the power can't get to the demand centers (cities) due to lack of transmission.

3) Hydrogen is key to decarbonizing difficult-to-electrify sectors such as fertilizer, steel, and concrete production. Fertilizer alone accounts for about 2% of greenhouse gas emissions.

4) California and Washington states have made significant investments in hydrogen infrastructure. Oregon should also invest in programs that will accelerate hydrogen production and use.

5) Oregon state agencies are researching, studying and reporting on hydrogen uses and potential demonstration projects. We ask policymakers to carefully review and support those efforts both in policy and financially.

Obsidian Renewable Hydrogen Hub proposal:

