Making Energy Work: Renewable Hydrogen in the PNW

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OCEAN is a 501c3 non-profit formed in 2020 on the south coast of Oregon.
OCEAN engages in policy advocacy:
- Oregon Legislature
- Oregon Public Utility Commission
- Northwest Power and Conservation Planning Council
- Oregon Department of Energy
- Bureau of Ocean Energy Management

Advocacy

OCEAN advocates for the responsible development of Clean, Secure energy projects for the benefit of Oregon’s coastal communities, ecology and economies.
Education

OCEAN supports an informed and engaged coastal citizenry making decisions about our own energy, economic and cultural futures.
OCEAN’s Inquiry into the opportunities and challenges of Renewable Hydrogen:

How can/ will H2 be used in our community?
Who will pay to bill H2 facilities and infrastructure?
Who will own and operate the facilities?
How will our community be impacted by H2 facilities and infrastructure?
How should future H2 development be incorporated into other port, transportation and energy infrastructure investments?

Strategy:

1. Develop draft planning scenarios
   1. 1 MW Solar plus Electrolysis at Coquille Valley Hospital – CREP planning application
   2. Port of Coos Bay Renewable Hydrogen Hub -

2. Engage community in project shaping to vet planning scenarios
Coos Bay Renewable Hydrogen Hub Concept

Floating Offshore Wind Turbines
Decarbonized Maritime & Fishing Sectors

Green Hydrogen for Industry, Heating and Decarbonized Transportation

1 GW reliable, clean, electricity for an energy independent Oregon coast

Green Hydrogen created with OSW

2 GW of clean electricity to I-5 corridor

Extended planning for long lead time projects

General planning tasks
Project development tasks
Project deployment/construction

Note: POET's H2Hub Concept will have multiple No-Regret projects on varying timelines
Twin Cities H2 DOE Application:

Orkney, U.K. Mentor
Coos Bay, U.S. Mentee

Sharing intelligence, lessons and community experiences in a just, equitable energy transition through the OSW/H2 nexus.