

# Oregon Department of **ENERGY**

## **Pacific NW Regional Clean Hydrogen Hub**

Senate Interim Committee on  
Energy and Environment

Janine Benner, Director  
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# OREGON DEPARTMENT OF ENERGY

Leading Oregon to a safe, equitable, clean, and sustainable energy future.

## Our Mission

The Oregon Department of Energy helps Oregonians make informed decisions and maintain a resilient and affordable energy system. We advance solutions to shape an equitable clean energy transition, protect the environment and public health, and responsibly balance energy needs and impacts for current and future generations.

## What We Do

On behalf of Oregonians across the state, the Oregon Department of Energy achieves its mission by providing:

- A Central Repository of Energy Data, Information, and Analysis
- A Venue for Problem-Solving Oregon's Energy Challenges
- Energy Education and Technical Assistance
- Regulation and Oversight
- Energy Programs and Activities

# 2022 Renewable Hydrogen Report

## Benefits:

- RH2 can be swapped in for fossil-based hydrogen with no retrofits
- Support hard-to-electrify sectors
- Strengthen grid resilience
- Serve as long-duration energy storage or backup generator fuel



# 2022 Renewable Hydrogen Report

## Barriers:

- Cost
- Chicken-and-egg market challenges
- Lack of infrastructure
- Update safety regulations
- Water consumption



# HYDROGEN HUB OPPORTUNITY

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## 2021 Infrastructure Investment and Jobs Act

- Up to \$7 billion available nationwide to develop regional hydrogen hubs and accelerate adoption of hydrogen technologies
- Focus on job creation, community benefits, and GHG reductions
- Pacific Northwest regional strengths made us a great competitor





# Pacific Northwest Partnership

Pacific NW Hydrogen Association submitted its application over \$1 billion in April 2023



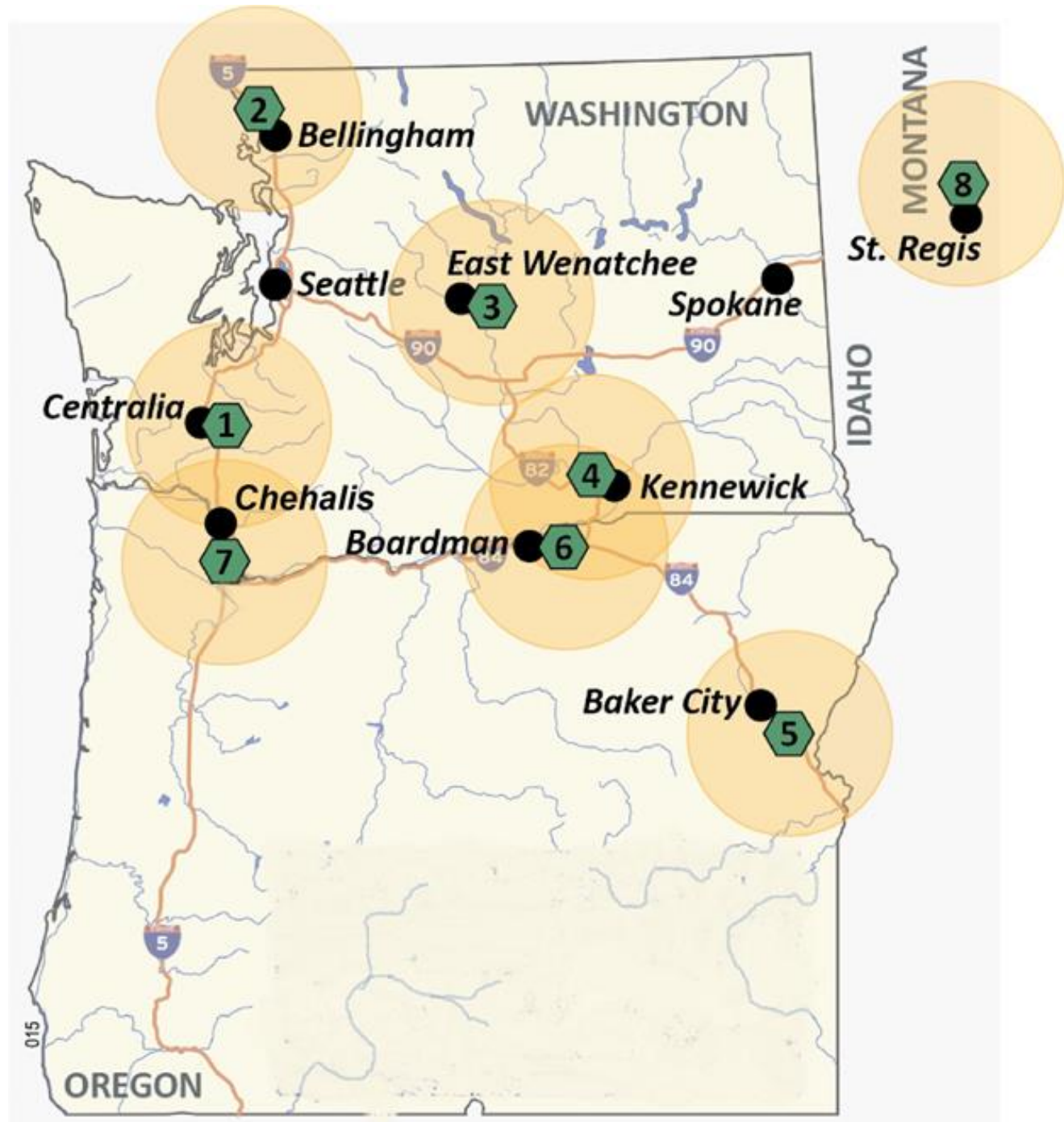
# Pacific NW Selected

President Biden announced awardees and PNWH2 entered award negotiations with USDOE in October 2023





# Pacific Northwest Hydrogen Hub







# Resources

[www.pnwh2.com](http://www.pnwh2.com)

[tinyurl.com/ODOE-RH2-Study](http://tinyurl.com/ODOE-RH2-Study)

[AskEnergy@oregon.gov](mailto:AskEnergy@oregon.gov)

