

HB 3375 - Floating Offshore Wind Study

Oregon Ocean Policy Advisory Council

November 4, 2021

Jason Sierman
Sr. Energy Policy Analyst



OREGON
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ENERGY

Topics

- 1) Introduction to ODOE
- 2) Oregon HB 2021
 - 100% Clean x 2040
 - Nat'l & Regional Context for OSW
- 3) Oregon HB 3375
 - ODOE FOSW Study
- 4) Oregon Renewable Energy Siting Assessment (ORESAs)
 - Status Update





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

HB 2021 – 100% Clean Energy For All

- **Clean Electricity Targets for State’s IOUs & ESSs.***
 - 80% by 2030, 90% by 2035, 100% by 2040.
- **Community Energy & Equity**
 - “Green” rates for IOU customers within boundaries of local governments with renewable or clean energy goals.
 - \$50 million state fund to support planning or development of renewable projects (<20 MW) that promote resilience & provide economic or other community benefits.
 - State work group to study barriers, opportunities, and benefits of small-scale renewable projects.
- **Energy Facilities & Equity**
 - Restricts state from approving new or amended permits for GHG emitting energy facilities.
 - Construction of large renewable and storage projects (≥10 MW) must document and meet specific labor standards.



*IOUs = Investor-Owned Utilities; ESSs = Electricity Service Suppliers.



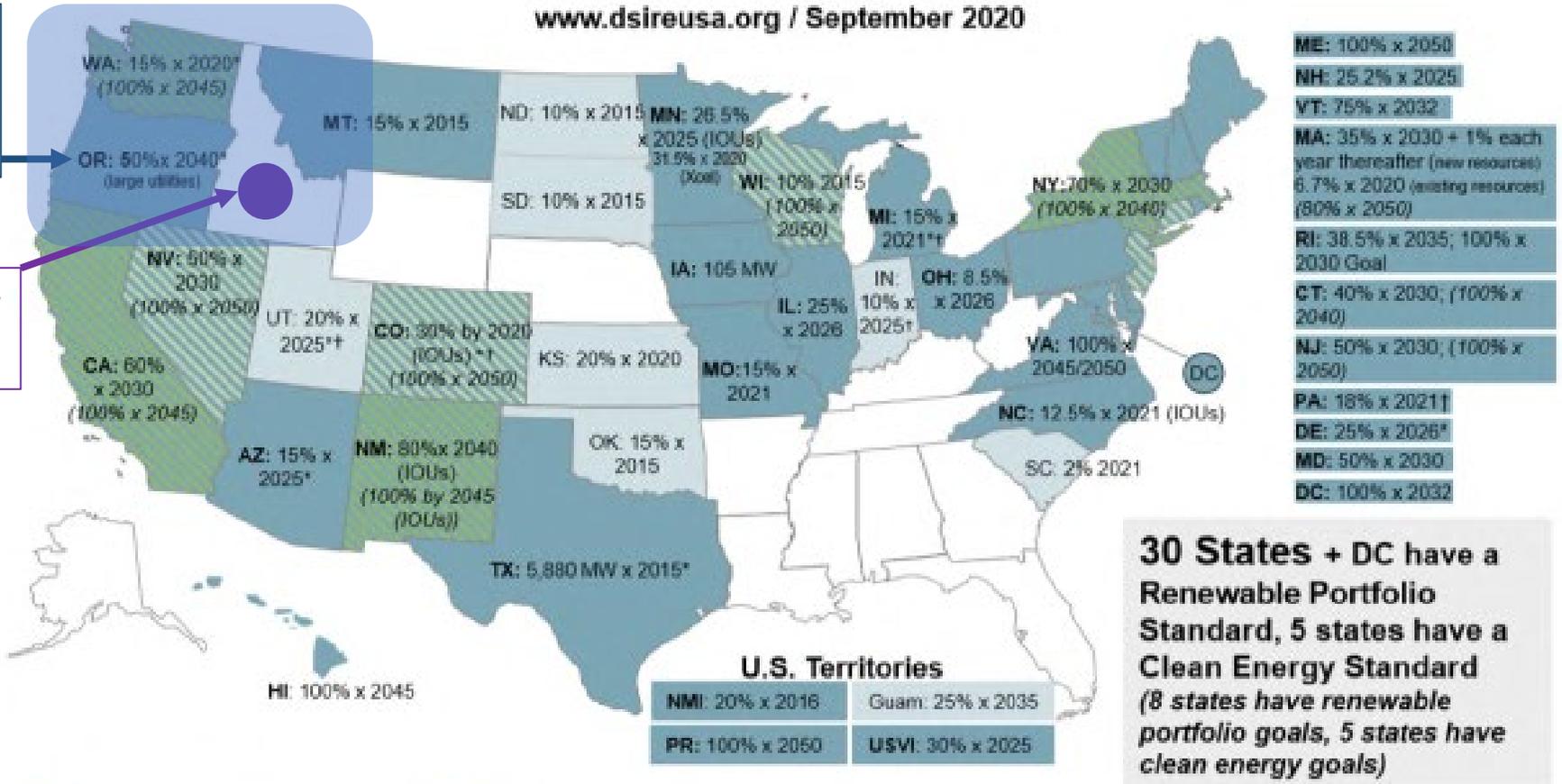
National & Regional Context

Figure 1: Renewable and Clean Energy Standards in the United States

www.dsireusa.org / September 2020

*Oregon is now
100% Clean x 2040
HB 2021 (2021)*

*Idaho Power & Avista
100% Clean x 2045*



30 States + DC have a Renewable Portfolio Standard, 5 states have a Clean Energy Standard (8 states have renewable portfolio goals, 5 states have clean energy goals)

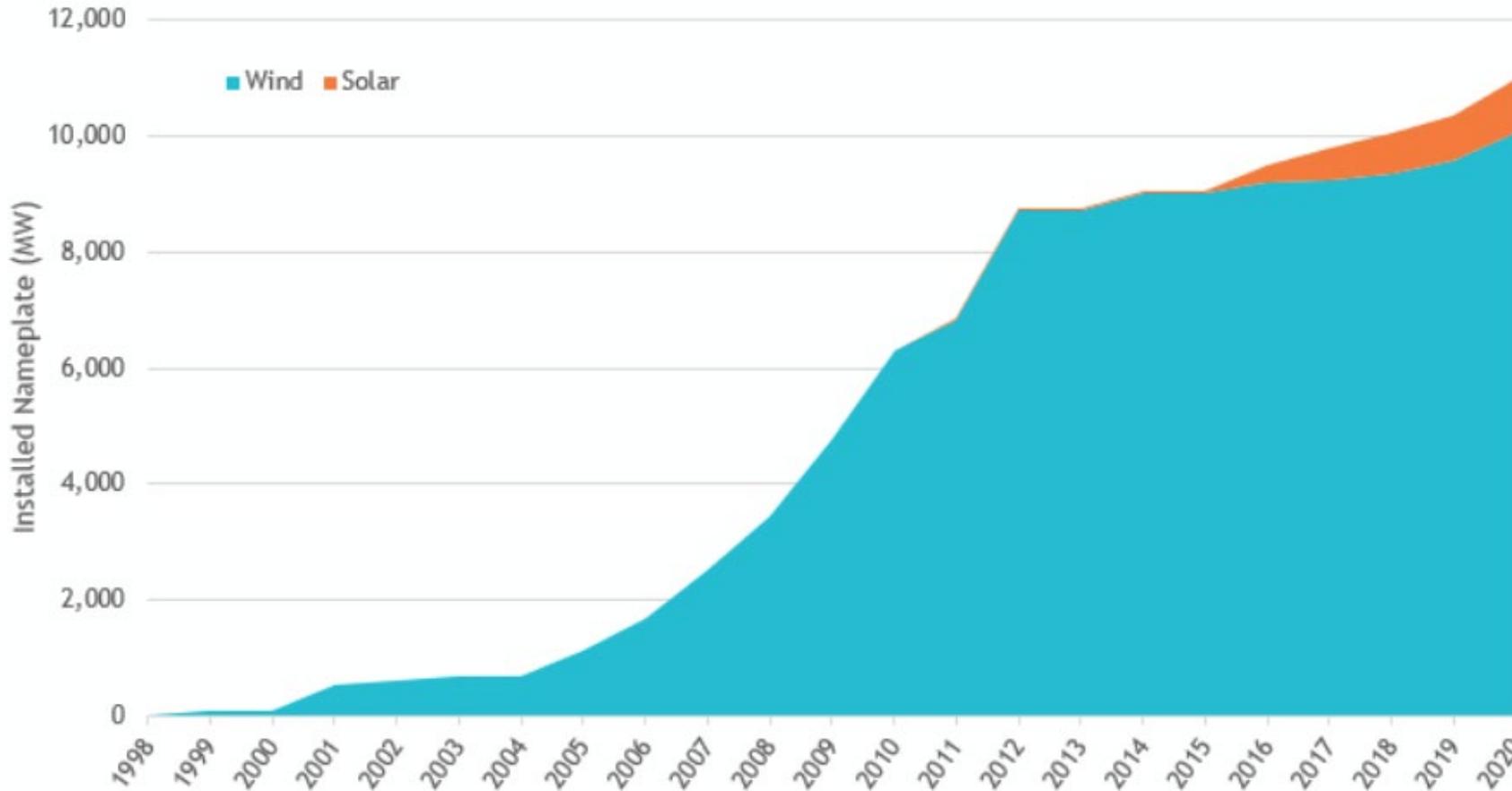
Renewable portfolio standard
 Clean energy standard
 Renewable portfolio goal
 Clean energy goal
 * Extra credit for solar or customer-sited renewables
 † Includes non-renewable alternative resources



Oregon & Many States are Looking for Clean Energy!

Scale of Existing PNW Renewables

Wind and Solar Development in the Region



Wind & Solar in the PNW Developed to date:

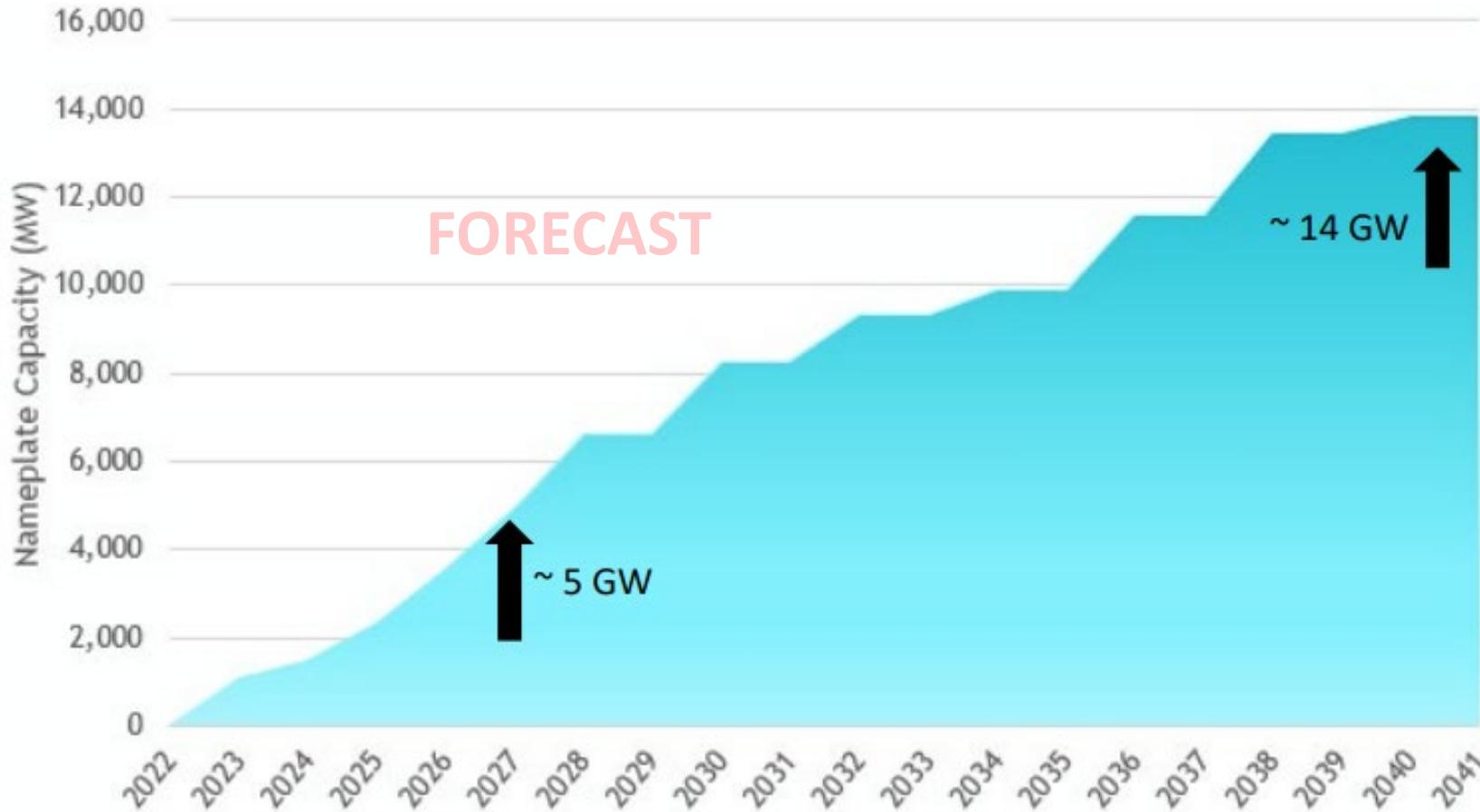
Approximately 10,000 MW
of wind, with solar increasing
in recent years.

[Source](#), Slide 3

Lots of Onshore Wind, How Much More?

Scale of Need for New PNW Renewables

Average Renewable Build in the Region - Baseline Conditions



Draft 2021 Power Plan: Baseline Conditions

Average build of additional
new renewables in the
Pacific Northwest over the
next 20 years.

[Source](#), Slide 2

Can It All Get Built In Time?

What is HB 3375?

- **Recognizes the merits of studying FOSW**
 - Vast potential, BOEM activity, decarbonization, and other benefits & challenges...
- **Declares an Oregon goal to plan for up to 3 GW of FOSW by 2030**
 - **Future** → “goal to plan” is forward looking, e.g. Oregon Legislature could give further direction for state planning through future legislation.
 - *Goal for state planning is to maximize state benefits while minimizing conflicts between FOSW, the ocean ecosystem, and ocean users.*
 - **Near-Term** → directs ODOE to inform the Oregon Legislature with a report that:
 - Identifies and summarizes key benefits & challenges, and
 - Identifies opportunities for future study and engagement.
- **Does not commit to deployment targets**
 - HB 3375 is unlike other states that have committed to specific deployment targets.



ODOE Elements of HB 3375

- **Literature Review**

- Review relevant studies and reports on FOSW to help identify key benefits & challenges.

- **Stakeholder Engagement**

- Several state, regional and national entities listed in the bill.
- Many add'l stakeholders identified by ODOE, including those involved with the activities of BOEM's Oregon Task Force.
- Develop prompting questions to help gather stakeholder feedback on key benefits & challenges.
- Convene at least (2) public remote meetings with stakeholders.

- **Report to Legislature by 9/15/2022**

- Summarize key findings from literature review and stakeholder feedback, including opportunities for future study and engagement.



Staying Informed on ODOE's Study

- ODOE's Study Webpage

<https://www.oregon.gov/energy/energy-oregon/Pages/fosw.aspx>

or

<https://tinyurl.com/ODOE-FOSW>

- Sign-Up for Email Updates

<http://web.energy.oregon.gov/cn/a6n53/subscribe>



Oregon Renewable Energy Siting Assessment (ORESAs)

- **Who:** \$1M DOD-funded grant. ORESA team consists of: ODOE / DLCDC / OSU-Institute for Natural Resources
- **Goals:**
 - Support military compatibility and early notification/coordination;
 - Create educational tools to minimize conflict and support opportunities for renewable energy;
 - Provide baseline information through central collection of transparent and accurate data and resources.
- **Deliverables / Status:**
 - (3) Topic-based Assessments - COMPLETE
 - Developed by subject-matter consultants
 - Procedures Review Report - COMPLETE
 - Mapping and Reporting Tool (**right**) - IN PROCESS
 - Developed by OSU-INR, **Beta version to launch this winter**
 - Final ORESA Report - SPRING 2022

The screenshot displays the Oregon Explorer Renewable Energy Siting Assessment (ORESAs) web application. The interface includes a map of a site with various overlays and a detailed information panel on the left.

Report Sections: Site Information, Military Areas, Energy Potential, Natural Resources, Opportunity Areas, Contacts.

Site Information:

Site Name:	Demo
Project Type(s):	Solar Photovoltaic
Maximum Height (ft):	30
MegaWatts:	200
Area:	2,011 Acres
Area Buffered 2.8 miles:	19,632 Acres

Admin Boundaries & Planning:

Boundary/Planning Area	Value/Intersects	View
State Land Inventory System	Yes	
In Coastal Zone	No	
USFS District(s)	No	
BLM District(s)	Prineville District	
Comprehensive Plan Designation	AGRICULTURE, RURAL NATURAL RESOURCE/OPEN SPACE	
Zoning	Exclusive Farm Use 160+, Mineral and Aggregate, Open Space/Conservation	
County	Crook, Deschutes	

Land Management/Ownership:

Land Manager/Owner	Area (acres)	Percent Area	View
State Government	13,816.20	70.3%	
Private	3,793.30	19.3%	
Federal (BLM)	2,019.70	10.3%	
Federal (Other)	10.20	0.1%	

Interested in beta testing the ORESA Mapping & Reporting Tool?
Please contact the ORESA project team!

Learn more and sign up for updates: <https://www.oregon.gov/energy/energy-oregon/Pages/ORESAs.aspx>



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Q & A Time

Contact information:

Jason.Sierman@energy.oregon.gov