

Regional Transmission in Oregon

NASEO Annual Meeting

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OREGON
DEPARTMENT OF
ENERGY



OREGON DEPARTMENT OF ENERGY

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

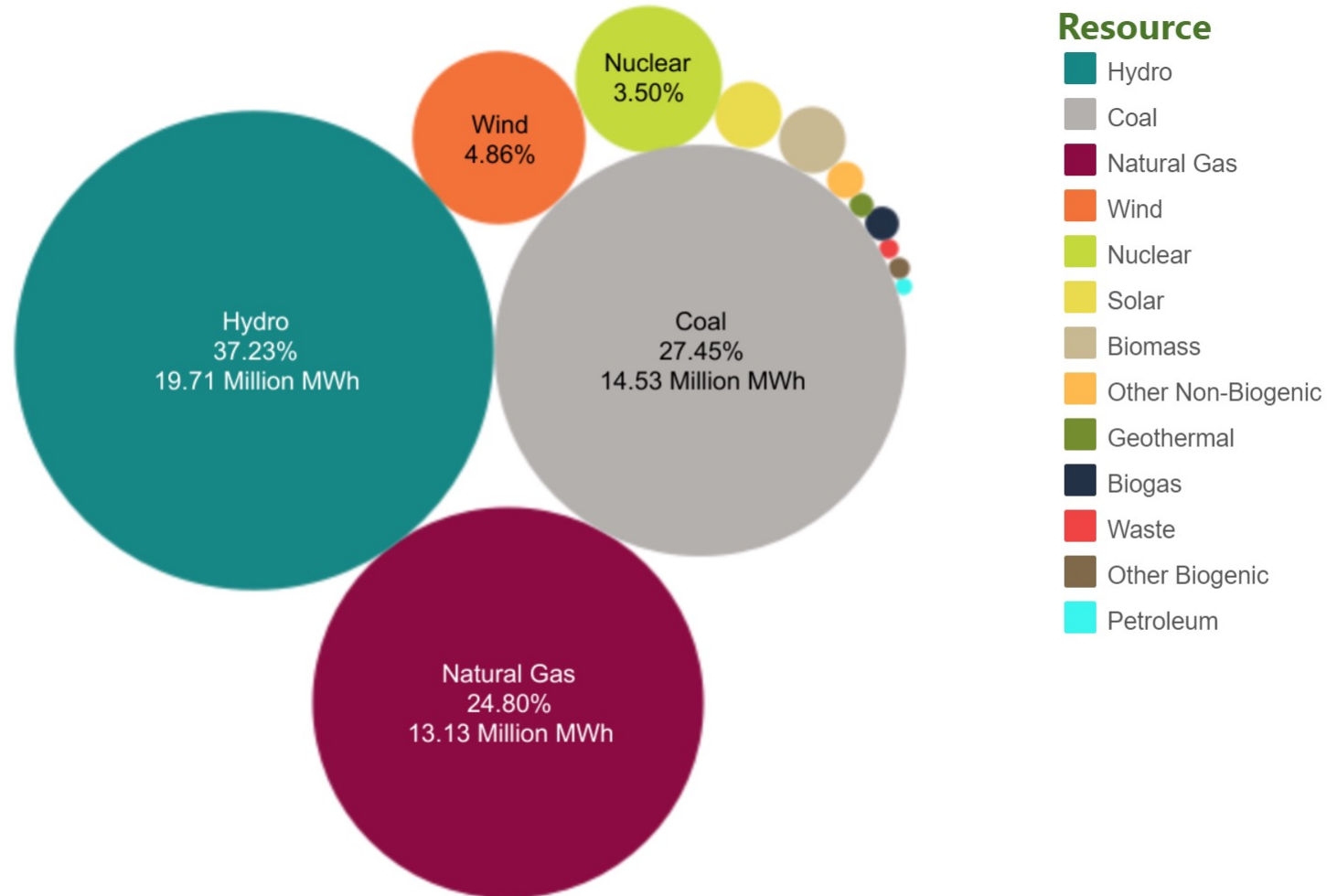
What We Do

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

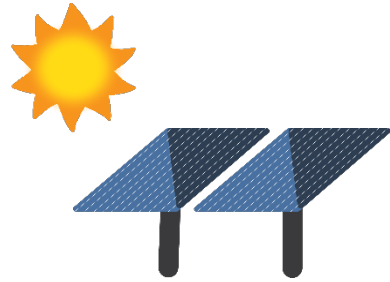
- A Central Repository of Energy Data, Information, and Analysis
- A Venue for Problem-Solving Oregon's Energy Challenges
- Energy Education and Technical Assistance
- Regulation and Oversight
- Energy Programs and Activities

RESOURCES USED TO GENERATE OREGON'S ELECTRICITY

Based on 2019 data, this chart shows the energy resources used to generate electricity that is sold to Oregon's utility customers.



OREGON'S RENEWABLE ELECTRICITY PRODUCTION



2012 Generation	2015 Generation	2018 Generation
6,400 MWh	24,200 MWh	571,700 MWh

Solar is Oregon's **fastest growing** electricity resource.



2012 Generation	2015 Generation	2018 Generation
6.3 Million MWh	6.6 Million MWh	7.4 Million MWh

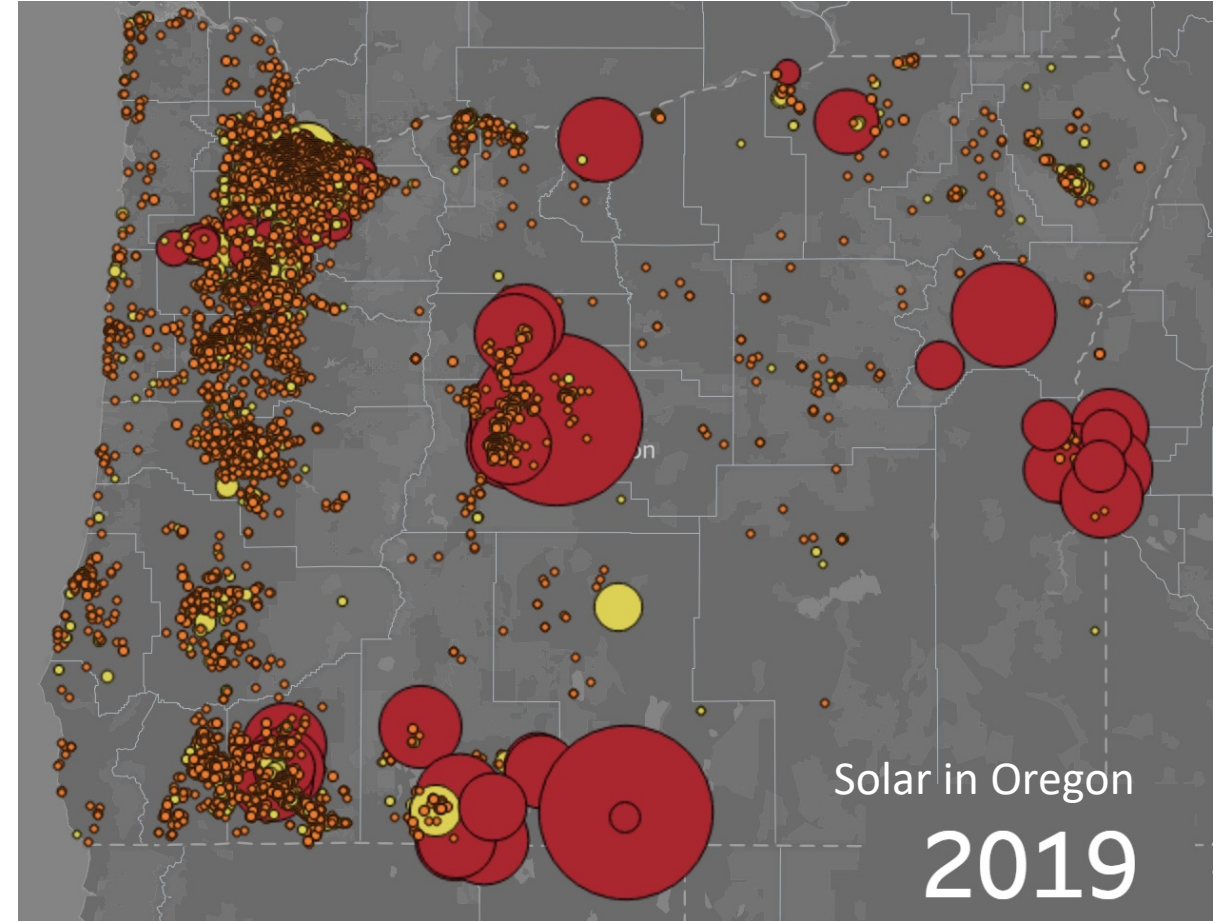
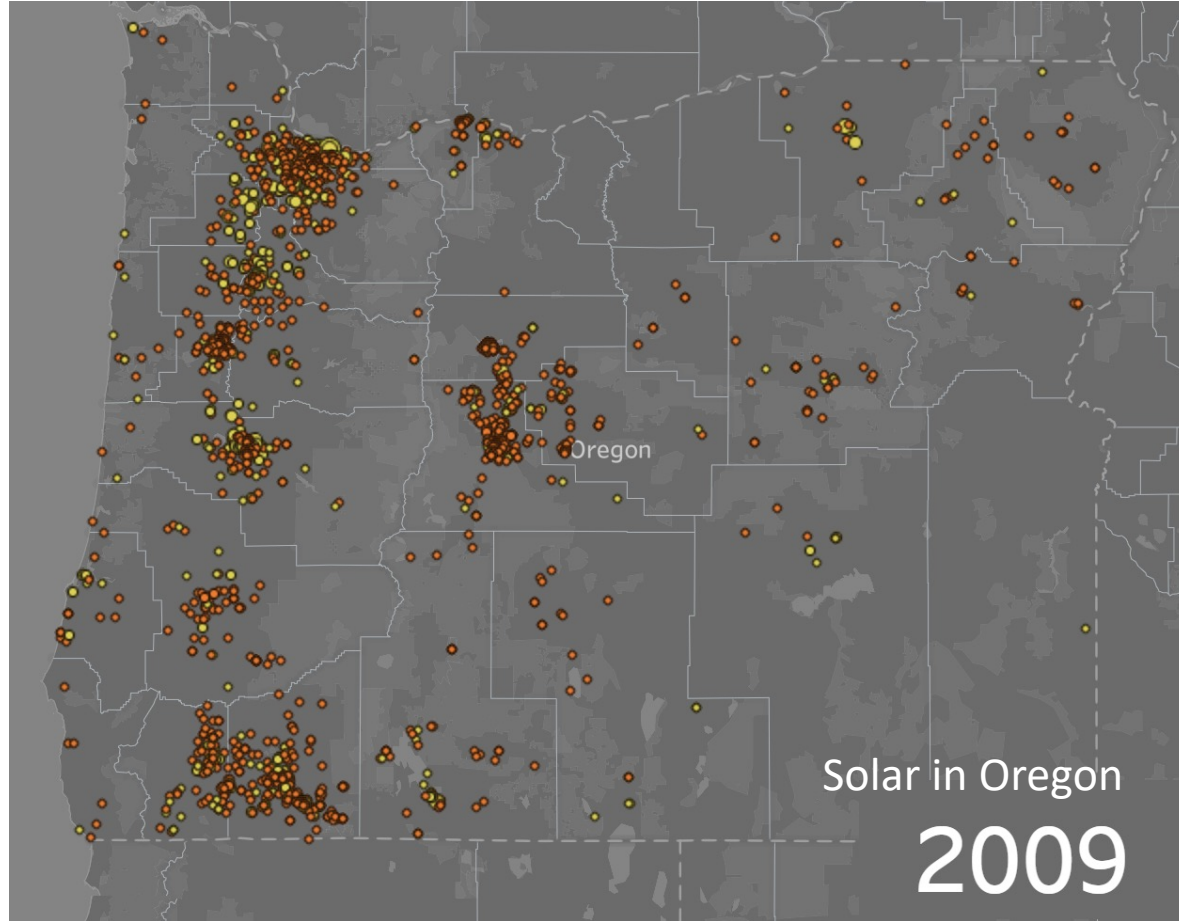
Oregon has **12** state-jurisdiction wind facilities approved, operating, or under review, plus **2** wind and solar facilities.



2012 Generation	2015 Generation	2018 Generation
39.4 Million MWh	31.2 Million MWh	35.4 Million MWh

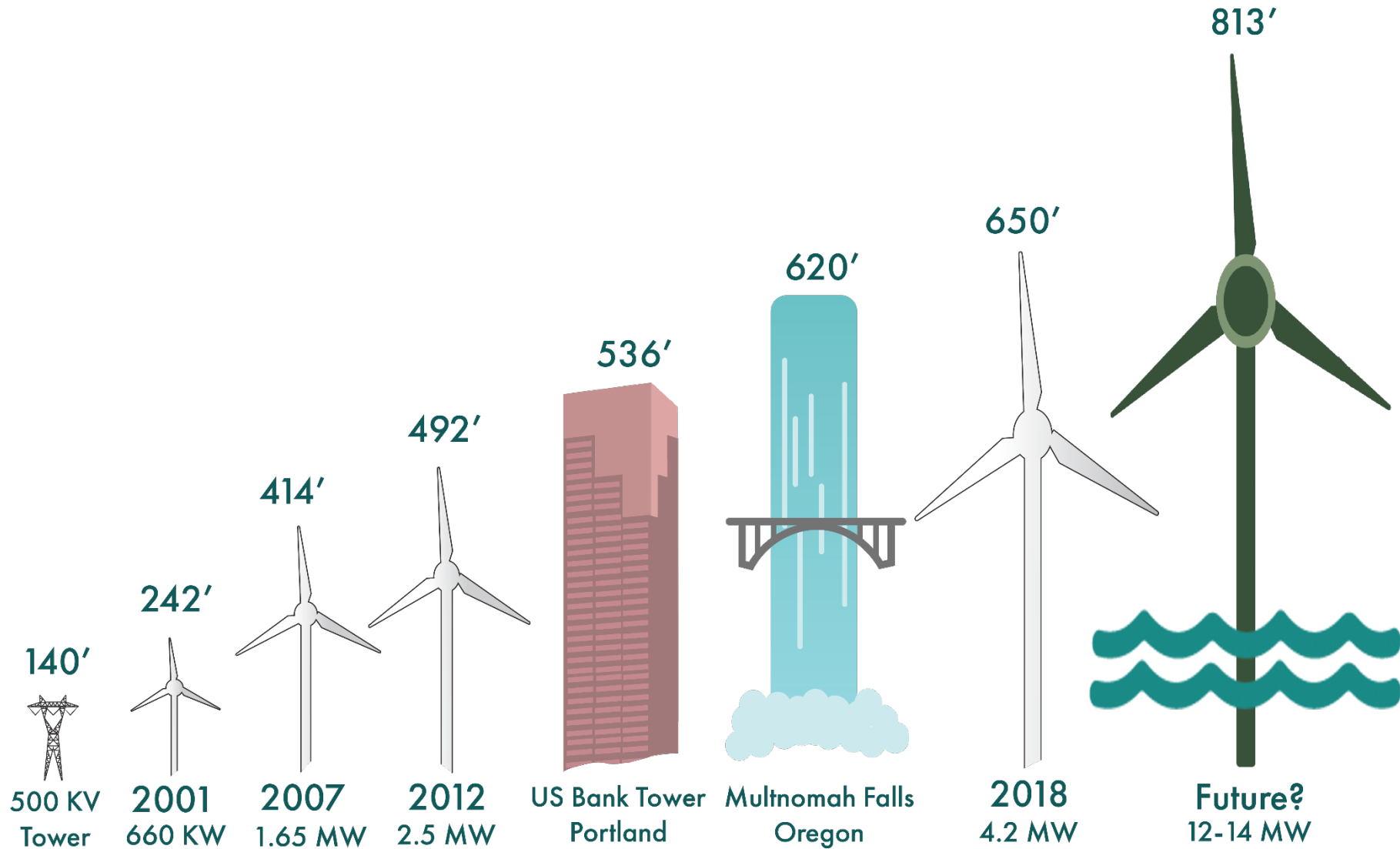
In some Oregon utility territories, hydropower provides over **90%** of consumers' electricity.

ENERGY FACILITY SITING IN OREGON



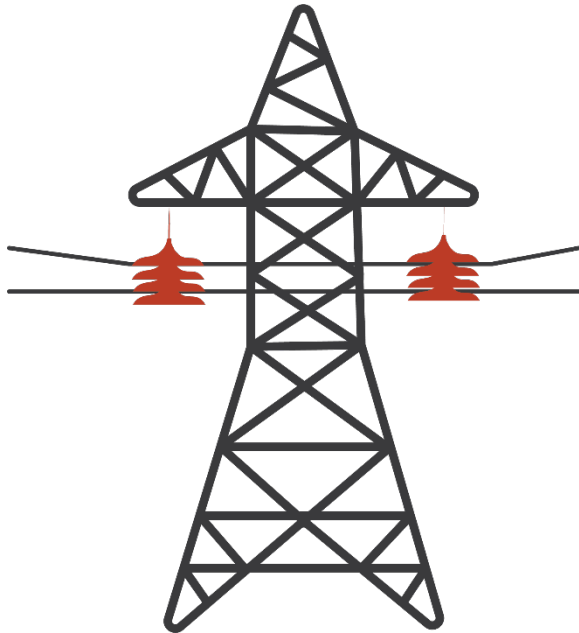
www.oregon.gov/energy/energy-oregon/Pages/Oregon-Solar-Dashboard.aspx

ENERGY FACILITY SITING IN OREGON



ODOE'S REGIONAL TRANSMISSION ORGANIZATION STUDY

In 2021, the Oregon Legislature passed [SB 589](#), which directs ODOE to conduct a study of RTO formation. ODOE's objective with this effort is to **gather and synthesize the range of perspectives** on the **benefits, costs, opportunities, challenges, and risks of RTO formation** that exist among a diverse range of Oregon stakeholders to inform the State Legislature and other interested parties.



Study Timeline

July 2021: Form Stakeholder Advisory Committee

August/September 2021: Solicit written responses to RTO scoping questions

September/October 2021: Advisory Committee Meetings

November 2021: Opportunity for Advisory Committee feedback on draft report

December 31, 2021: Report due to the Legislature

RTOs: KEY TAKEAWAYS

Key Takeaways from Stakeholder Feedback

Expected Benefits: General consensus that Oregon stakeholders could realize benefits from RTO formation

State Policy: Many stakeholders identified technical studies that found that increased regionalization may actually be *required* if the state is going to achieve HB 2021's aggressive carbon targets

Challenges: Focus of discussion less about the specific benefits and more about the challenges

- *Governance:* Increasing the geographic footprint of regionalization also increases the complexity of governance—important to ensure meaningful role for states and non-participants (e.g., NGOs)
- *Transmission:* Some Northwest-specific challenges were identified (for example: concerning the voluntary conversion of legacy transmission rights)
- *Equity and Environmental Justice:* Can stakeholders intentionally form an RTO that centers equity and environmental justice concerns in both initial design and ongoing governance?

Continued Evolution: Whether the region ultimately forms (or joins) an RTO or not—there's an expectation that continued evolution of regional coordination to continue in the electric sector in the region

Thank You

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