



OREGON
DEPARTMENT OF
ENERGY

2021 Legislative Session

Energy Overview and Bill Implementation at ODOE

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What I'll cover...

- ODOE's 2021 Legislative Report
- Brief overview of energy bills during session
- Bill implementation at ODOE
- How to follow our work



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

2020 BIENNIAL ENERGY REPORT

Goal of the Report

Pursuant to ORS 469.059, provide a comprehensive review of energy resources, policies, trends, and forecasts, and what they mean for Oregon.

Scoping the Report

Shaped by a data-driven process, equity considerations, and input from stakeholders and the public.

Designing the Report

Shorter briefs on a wider variety of energy topics, tear-away style. Themes cross sections for general 101 or technology reviews and deeper-dive policy briefs.

Energy 101: Energy Jobs in Oregon
In 2019, Oregon's energy industry employed 96,727 Oregonians.¹
Figure 1: Energy Jobs in Oregon (2019)

Category	Jobs
Electric Power Generation	10,053
Fuels	2,662
Transmission, Distribution, and Storage	13,948
Energy Efficiency	42,935
Motor Vehicle	26,129

Resource Review: Wind Power

- Total MW Capacity in Oregon: 3,415 MW
- Facilities in Oregon (1.65 to 290 MW): 46 (3 under construction)
- Total Generation (2018): 7,447,442 MWh
- Total Consumption (2018): 2,396,878 MWh
- Total Exports (2016): 5,000,564 MWh

Figure 1: Horizontal-axis Wind Turbine

Wind turbine blades capture the wind's motion and transform that mechanical energy into electricity.¹ The average individual utility-scale wind turbine in Oregon has a capacity of 1.75 MW, with the largest at 3.6 MW.² While there are currently none in Oregon, offshore wind turbines use the same principle, but are sited off the coast where wind resources tend to be stronger and more constant.³ Most offshore wind farms are in shallow waters where turbines are directly fixed to the seabed (fixed-bottom turbines).⁴ Floating wind turbine farms that can take advantage of better wind resources in deeper waters are producing electricity in places like Portugal and Scotland.⁵

Figure 1: Typical Share of Household Expenses

Category	Share
Apparel & Services	~10%
Vehicle	~10%
Gasoline	~10%
Healthcare	~10%
Entertainment	~10%
Personal Care	~10%
Education	~10%
Insurance & Pensions	~10%
Food	~10%
Other	~10%
Housing & Utilities	~10%
Electricity	~10%
Natural Gas	~10%
Water/Waste	~10%
Telephone	~10%

Energy 101: Bill Basics

Energy is part of everyone's household budget. Lighting, heating, cooling, cooking, and refrigeration all require energy in the form of electricity and direct use fuels like natural gas, propane, fuel oil, and even wood. Water and wastewater have a big energy component because of the energy needed to obtain, distribute, and treat water. Transportation has an energy bill too, every time you buy gasoline or plug in your electric car. Telecommunications, from internet to TV to cell phones, all require electricity to operate and provide the services used a part of our daily lives.¹

Energy Bill Basics

The key to deciphering charges on an energy bill is understanding the terminology used to describe each charge. Following are some general energy terms and types of charges that apply to most energy bills:

- Meter:** Meters measure how much energy is consumed. Some electric utilities are updating their meters to "smart meters," which help track when energy is used in addition to how much.
- Rate Schedule:** Rates vary between residential, commercial, and industrial customers, based on the type of service and the maximum demand. More than one rate can be used for the energy a building or facility uses. Schedules can be created for specific uses, like traffic signals, streetlights, irrigation and drainage pumping, or for time of day service or special pilot programs like demand response.
- Basic Charge or Service Charge:** A minimum cost of service, regardless of the amount of energy used. This funds some of the utility provider's costs like maintenance and customer support.
- Use Charge:** Utilities charge for how much energy is used, measured in kilowatt hours for electricity, and terms for natural gas. There are additional types of use charges that are explained later in this section.

Every Utility Bill has certain things in common:

Basic Charge or Service Charge: A minimum cost of service, regardless of the amount of energy used. This funds some of the utility provider's costs like maintenance and customer support.

Use Charge: Utilities charge for how much energy is used, measured in kilowatt hours for electricity, and terms for natural gas. There are additional types of use charges that are explained later in this section.

2020 Biennial Energy Report | Energy 101 - Page 15

2021 Legislative Report

- A brief overview of energy issues
- Short, easy to read summaries of 48 bills
- Links to bills and background materials



2021
Legislative
Session
Report



OREGON DEPARTMENT OF ENERGY

[2021-Legislative-Session-Report.pdf \(oregon.gov\)](#)

SESSION AT A GLANCE

By the Numbers

2519 Bills, 715 Passed

Highest Profile Energy Topic

Clean Electricity Standard

Other Energy Topics

Transportation Electrification

Public Purpose Charge

Energy Affordability

Energy Efficiency *Healthy Homes, Codes, and Standards*

Bill Implementation at ODOE: **Incentives**

Community Resilient
Renewables Incentive
Fund

Oregon Solar + Storage
Rebate Program Reboot

Energy Efficient Wildfire
Rebuilding Incentive

Bill Implementation at ODOE: **Studies**

Small-Scale Renewable
Energy

Regional Transmission
Organizations

Floating Offshore Wind

Renewable Hydrogen

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