

# Oregon's 2020 Biennial Energy Report

## Input and Scoping Phase

### Oregon Department of Energy is seeking input for the 2020 Biennial Energy Report (BER).

In 2017, Oregon passed a law ([ORS 469.059](#)) requiring ODOE to develop a Biennial Energy Report to inform local, state, regional, and federal energy policy development and energy planning and investments. In 2018, the [inaugural Biennial Energy Report](#) provided foundational energy data, examined the existing policy landscape, and identified options for continued progress toward meeting the state's energy goals.

The project team plans to address required topics through a data-driven process, equity considerations, and assessment of the policy landscape. The 2020 BER will prioritize relevant and timely energy questions related to the topics below.

### Topics Required in ORS 469.059

- ◇ Consumption, generation, transmission and production of energy, including fuel energy,
- ◇ Energy costs
- ◇ Energy sectors, markets, technologies, resources and facilities
- ◇ Energy efficiency and conservation
- ◇ The effects of energy use, including effects related to greenhouse gases
- ◇ Local, state, regional and federal regulations, policies and planning activities
- ◇ Emerging opportunities, challenges, and impacts

*Report may include recommendations for:*

- ◇ Development and maximum use of cost-effective conservation methods and renewable resources, consistent with the energy policies stated in [ORS 469.010](#), [469.310](#), and the [Northwest Power and Conservation Council's plans](#).
- ◇ Proposed research, development and demonstration projects and programs necessary to further the energy policies stated in [ORS 469.010](#) and [469.310](#).

### Project Timeline & How to Provide Input

**Current – April 2020:** Public Survey, Initial Input and Scoping, and Data Collection

**April 2020 – July 2020:** ODOE Analysis, Drafting Sections of BER, and On-going Stakeholder Engagement

**July 2020 – August 2020:** Peer Review from State & Federal agencies and Additional Stakeholder Feedback

**August 2020 – September 2020:** Final reviews and revisions

**September 2020 - November 2020:** Formatting and Publication

Please share your input: <https://tinyurl.com/BER-input>

*It would be helpful to receive initial input before April 30, 2020.*



## Questions to Guide Input

**Energy By the Numbers** - A section of the BER that serves as a quick-reference, primarily made up of energy facts and infographics with concise explanations about existing and emerging energy resources, energy sector profiles, and electricity use, direct fuel use, and transportation fuel use in Oregon.

- ◇ The [2018 BER's "Energy By The Numbers"](#) section included energy facts and infographics and addressed questions such as:
  - ⇒ How much energy does Oregon use by energy type– electricity, direct fuels, and transportation fuels– and by sector– industrial, commercial, residential, and transportation?
  - ⇒ How much and what types of energy are produced within Oregon versus importing energy from outside of Oregon?
  - ⇒ What is the difference between energy costs and prices and how do Oregon's energy prices compare to other states by type (e.g. electricity, natural gas, transportation fuels, etc.)?

**Are the types of facts and infographics contained in the 2018 BER's "Energy By The Numbers" section helpful to you, your organization, or your stakeholders? Are there other questions that might be helpful to address through energy facts and infographics?**

- ◇ The [2018 BER's "Energy By The Numbers"](#) section described Oregon's various energy resources and technologies, including information about facilities, resource potential, capacity, and planned capacity in Oregon: [hydropower](#), natural gas, [wind](#), coal, [solar](#), [wood & other biomass](#), [biogas and renewable natural gas](#), [geothermal](#), [energy storage](#), [marine energy](#).

**Are there additional types of energy resources or technologies that would be helpful to include? What questions have you, your organization, or your stakeholders had about energy resources and technologies in Oregon?**

**Energy Policy History & Landscape** - A section of the 2020 BER that would provide relevant history about energy in Oregon to help create a foundation for on-going policy discussions and to help educate stakeholders that may be new to energy policy in Oregon.

- ◇ The 2018 BER had deep-dives to describe the history and policy landscape in the following policy topics: [climate change](#), [renewable energy](#), [transportation](#), [energy resilience](#), [energy efficiency](#), and [consumer protection](#).

**What, if any, energy history topics would be helpful for you, your organization, or your stakeholders in the 2020 BER? For what topics would a policy landscape or policy roadmap be helpful?**

## Questions to Guide Input

**Policy Briefs for Key Energy Questions** - A section of the 2020 BER that would be made up of shorter policy briefs, each providing information and considerations for key energy questions that have been or are likely to be discussed over the next two years in Oregon. Recently, ODOE produced policy briefs for [energy topics and questions at the Citizen’s Utility Board’s 2019 conference](#) .

**What are the primary energy questions or issues in front of you, your organization, and your stakeholders right now? Which discussions are you having that would be improved by additional information and data?**

**What do you think are the priority “energy opportunities, challenges, and impacts” over the next two years for you, your organization, or your stakeholders? Of these, which are in need of more data, information, or analysis so they are better understood?**

**What local, state, regional, and/or federal energy regulations, policies, and planning activities are active for you, your organization, and your stakeholders? Of these, which would be better understood or explored through further data, information, or analysis?**

◇ Based on staff’s work with stakeholders on other projects, below are examples of questions that ODOE has heard that may benefit from a policy brief that would provide data and information about the question and important considerations.

- ⇒ What are strategies or mechanisms used in other states to improve access to clean energy technologies and could those be used to make clean energy technologies more accessible to a diverse range of Oregonians?
- ⇒ What are the emerging trends in electric vehicle home charging and grid-interactive efficient buildings and how would these contribute to goals to reduce costs, to be more energy resilient, or to reduce greenhouse gas emissions?
- ⇒ What are the emerging trends in renewable and zero-emission electricity or energy standards and what are the key considerations in how these types of polices would work within Oregon’s policy landscape made up of existing renewable energy programs and policies?
- ⇒ What are the challenges involved in planning for adequate capacity to meet demands in the mid -2020s – a timeframe for which there have been concerns expressed about resource adequacy – and what are the range of resources that could be deployed to meet identified capacity deficits?
- ⇒ What are the emerging opportunities with electricity storage and what are the key considerations involved with determining the optimal locations of storage assets on the grid?

**Would policy briefs for these example questions be helpful to you, your organization, or your stakeholders? Do you have suggestions for additional questions or how these questions could be adjusted to be more helpful to you, your organization, or your stakeholders?**

## Questions to Guide Input

**Data Sources** - Below are examples of data sources that were used or referenced in the 2018 BER. Note that this is not a comprehensive list; a comprehensive list of sources can be found in the end notes of each chapter of the [2018 BER](#).

**Are you aware of better, different, or additional sources of data that ODOE should consider for the 2020 BER to help inform topics for the BER?**

- ◇ American Council for an Energy Efficient Economy, [The State Energy Efficiency Scorecard](#).
- ◇ [Bloomberg](#), Reports and Data.
- ◇ Bonneville Power Administration, [BPA Facts](#); [White Book](#).
- ◇ Census and American Community Survey, [demographic data](#).
- ◇ [Clean Cities Coalition](#), Reports, Surveys, and Data.
- ◇ Consumer Owned Utilities, renewable energy facilities data.
- ◇ Energy Association Reports, e.g. [Odorized Propane's Impact on Oregon's Economy](#); [AWEA State Wind Energy Facts](#); [Solar Industry Research Data](#).
- ◇ [International Energy Administration](#), Reports and Data.
- ◇ Investor owned utilities' plans and reports, e.g. [Northwest Natural Integrated Resource Plan](#); [Avista Integrated Resource Plan](#); [Cascade Natural Gas Integrated Resource Plan](#); [Portland General Electric Integrated Resource Plan](#); [PacifiCorp Integrated Resource Plan](#); [Idaho Power Integrated Resource Plan](#); Transportation Electrification Program Reports and Data; Energy Storage Program Reports and Data; SmartGrid Program Reports and Data; renewable energy facilities data.
- ◇ National labs, e.g. [NREL](#), [PNNL](#), [Sandia National Labs](#), energy resource studies, market trends, emerging technology studies, energy storage technology, and other resources.
- ◇ Northwest Energy Efficiency Alliance, [Residential Building Stock Assessment II, 2016-2017](#).
- ◇ Northwest Power and Conservation Council plans and reports, e.g. [7th NW Conservation and Electric Power Plan](#); [Pacific Northwest Power Supply Adequacy Assessment for 2024](#); [Power Plan Advisory Committee Reports](#).
- ◇ [Northwest Power Pool, Resources page](#).
- ◇ Oregon Department of Administration Services & Oregon Department of Transportation, [Highway Cost Allocation Study](#).
- ◇ Oregon Department of Energy, [Electricity Mix in Oregon](#); [Oregon Solar Plus Storage Rebate Program](#); [Oregon Solar Dashboard](#).
- ◇ Oregon Department of Environmental Quality, [Oregon Greenhouse Gas Sector-Based Inventory Data](#); [Oregon Clean Fuels Program Data](#); [Electric Vehicle Rebate Program Data](#).
- ◇ Oregon Department of Transportation, [Oregon Public Transportation Plan](#); VisionEval Model; DMV Vehicle Registration Data; OReGO Program Data; Oregon Fuel Tax Data.
- ◇ Public Utility Commission of Oregon, [Oregon Utility Statistics Book](#) and [active dockets](#) on transportation electrification, renewable natural gas, renewables, energy efficiency, grid modernization, demand response, distribution system planning, PURPA, and direct access (among others).
- ◇ U.S. Energy Information Administration, [State Energy Data System \(SEDS\)](#); [Form EIA-923](#).
- ◇ Western Electricity Coordinating Council (WECC), [studies and reports](#).

**Public Survey** - In addition to the specific questions above, the 2020 BER project team welcomes your input through an online public survey, which will be available on ODOE's BER website:

<https://tinyurl.com/BER-input>