



Executive Order 17-20 5(c) Coordination of Data Summary Report

by the

**OREGON
DEPARTMENT OF
ENERGY**

January 2020



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Oregon Built Environment Energy Efficiency Working Group (BEEWG)

The multi-agency Built Environment Efficiency Working Group is tasked with implementing Governor Kate Brown's [Executive Order 17-20](#), a directive to improve the built environment in our state.

This guide summarizes EO 17-20, 5(C): Coordination of Data. ODOE and PUC are directed to support and assist private sector partners in efforts to coordinate sharing of data that shows projected energy use reductions in the region. This data will be made available to the public to inform energy efficiency policies, as appropriate, by January 1, 2020

The Oregon Department of Energy (ODOE) and the Public Utility Commission (PUC) prepared a [scoping document](#) in June of 2019 that included activities for data coordination. After a [stakeholder survey](#), public meeting and data visualization discussions, it was determined that the data coordination project be a dynamic product that serves as a reference for those seeking data and a platform to encourage other data contributors.

This phase of the data coordination product is not a publication of third-party data. The [Energy Efficiency Data Flow](#) is a map to available data and sources. BEEWG will add additional sources as data providers emerge from conversations resulting from this guide.

Categories of data sources

Electric and Natural Gas utilities provide data about projected energy use reductions for their service territories. This data can be in the form of program savings goals, load projections, resource planning and empirical data and projections for energy efficiency and use reduction programs.

Aggregators compile data from utilities and energy program implementers and planners to inform regionwide policies and goals. Aggregators can include National, Federal, Regional, State and local entities.

Users access data to inform policy decisions and program recommendations. Users can include organizations and individuals. Aggregators are the most common users, taking data from sources to create policies and develop goals and programs.

Northwest Power and Conservation Council produces a Power Plan about every five years, updating each plan with a 20-year forecast for electricity in the region. The current [Seventh Power Plan](#) was adopted February 2016. From the Plan "In developing its plan, the Council relies on feedback from technical and policy advisory groups and input from a broad range of interests, including utilities, state energy offices, and public interest groups. If developed aggressively, in combination with past efficiency acquisition, the energy efficiency resource could approach the size of the region's hydroelectric system's firm energy output, adding to the Northwest's heritage of clean and affordable power. Acquiring this energy efficiency is the primary action for the next six years. The plan's second priority is to develop the capability to

deploy demand response resources or rely on increased market imports to meet system capacity needs under critical water and weather conditions”.

Energy Data Flow – data that can be sourced for energy efficiency planning

	Data Sources	Activities, Requests & Publications
Consumer Owned Electric Utilities	Municipal Utilities Public Utility Districts Rural Electric Cooperatives	BPA Conservation Potential Assessment 2020 – 2039
Federal Power Marketer	Bonneville Power Administration	
Investor Owned Electric Utilities	Idaho Power	2019 Integrated Resource Plan
	Pacific Power	2019 Integrated Resource Plan
	Portland General Electric	2016 Integrated Resource Plan
Investor Owned Natural Gas Utilities	Avista	2017 Integrated Resource Plan Electric Appendices 2017 Integrated Resource Plan Natural Gas Appendices
	Cascade Natural Gas	2018 Integrated Resource Plan Appendices A-J on website
	Northwest Natural	2018 Integrated Resource Plan
Aggregators/ Users	Northwest Power & Conservation Council & Regional Technical Forum	2021 Power Plan development process 7th current Northwest Power Plan Annual collected energy efficiency savings from all utilities in the PNW (including NEEA). In addition to collecting the prior years' data, we ask for projections for next two years. Regional Load Forecast; price effects and frozen efficiency. A forecast of regional energy loads by state and sector. The price effects forecast accounts for improvements in efficiency over time. It is an end-use load forecast.

		<p>NWPPC asks the larger Northwest utilities to provide a ten-year forecast of energy efficiency savings. Typically, these savings are just for utility programs and do not include NEEA savings, codes & standards, etc. The request mostly focuses on annual energy savings.</p> <p>NWPPC can share data at the state level but cannot share data at the utility level without first getting permission from the utility.</p>
	Oregon Public Utility Commission	<p>Receive Integrated Resource Plans from Utilities</p> <p>2018 Annual Utility Statistics Book</p>
	Oregon Department of Energy	2018 Biennial Energy Report
	Oregon Housing & Community Services	<p>Energy Programs</p> <p>Oregon's Statewide Housing Plan</p>
	Northwest Energy Efficiency Alliance NEEA	<p>Building Stock Assessments for Residential and Commercial provide a baseline of building information and energy use for policy makers and planners.</p> <p>Other NEEA Resources and Reports search</p>
	Energy Trust of Oregon	<p>Measure Data – Energy Trust of Oregon develops estimated energy savings for measures that have predictable energy savings over a high volume of projects</p> <p>Annual Report describes savings achieved</p> <p>Strategic Plan describes goals and targets</p>
	American Council for an Energy Efficient Economy	Annual Energy Efficiency Scorecard States Cities
	Pacific Northwest Utilities Conference Committee PNUCC	2019 Northwest Regional Forecast
	Food Northwest	<p>Produces the Food Northwest Energy Goal. energy use (all types except transportation fuels), production in pounds, facility size, number of employees, on-site generation, and investments in energy efficiency at food processing facilities in Oregon, Washington and Idaho.</p> <p>Food Northwest uses the data to track progress toward its industry-wide goals to reduce energy intensity by 25% in 10 years</p>

		(Phase I goal) and by 50% in 20 years (Phase II goal). Completing Phase I and beginning Phase II. Data also helps develop Sustainability programs and resources for food processors.
	Community Action Network CAPO	Deploy energy efficiency programs with Federal, State, Utility and local support and funding.
	Appliance Standards Awareness Project ASAP	Promotes national and state appliance standards and savings projections
	National Association of State Energy Officials NASEO	Works with Regional Energy Efficiency Entities and State Energy Agencies to forward Energy Efficiency in states. NASEO Energy Efficiency Publications
	Portland Clean Energy Fund	Provides clean energy grants to underserved communities. First round expected Summer 2020, includes efficiency projects.
	Washington Dept. of Commerce Energy	2021 State Energy Strategy 2019 Biennial Energy Report
	California Public Utilities Commission	California 2019 Energy Efficiency Potential and Goals Study

See [Built Environment Energy Efficiency Working Group website](#) for full text of EO 17-20

5. Increasing Energy Efficiency through retrofits of Existing Buildings Across the State

C. Coordination of data. ODOE and PUC are directed to support and assist private sector partners in efforts to coordinate sharing of data that shows projected energy use reductions in the region. This data will be made available to the public to inform energy efficiency policies, as appropriate, by January 1, 2020.

Scoping Document

EO 17-20 5C Coordination of Data

Scoping Document

Version date: 6/18/2019

I. EO 17-20 Language

5C. Coordination of Data. ODOE and PUC are directed to support and assist private sector partners in efforts to coordinate sharing of data that shows projected energy use reductions in the region. This data will be made available to the public to inform energy efficiency policies, as appropriate, by January 1, 2020

II. History / Background

This directive started out as a placeholder by EO proponents to get various organizations to work together in the future, as the request for more specific data sharing received some pushback from other stakeholders due to desire to reduce duplicative efforts and also that lots of data is already made publicly available.

It was intentionally broadly written, due to the concern that specific call-outs could lead to sharing of proprietary data or would duplicate existing activities. It has a regional focus, and ODOE and PUC directed to “support and assist” and make data available “as appropriate”.

“Private sector partners” is understood to mean non-state agencies, and is inclusive of non-profits, NGOs, corporations, etc.

This effort will focus on projection data, not historical, based on language in the directive.

III. Potential Partners and Data Sets

Organization	Contact	BEEWG Lead	Dataset(s)
BPA			
NWPCC / RTF			
ETO			
IOUs			
COUs			
NEEA			
Industrial Trade Groups			
ESCOs			
Oregon Global Warming Commission / CPO			
Appliance Standards Groups			
EIA			

Initial set of questions for partners regarding projected energy use reduction data:

1. What data do you have?
2. What data do you need?
3. What opportunities are there for more coordination?

IV. Desired Outcome

- The output of this work could be a consolidated listing of what data is out there among various organizations and what it covers, potentially including a list of data gaps. This could be a literature list and summary of where to learn more, with links to other organizational sites/references. No need to recreate anything here, especially if it is not filling an identified need.
 - Opportunity for visualization of data summary (Data tree? Matrix?)
- No report is needed. Like other EO directives that don't require a report, we will likely provide a short 1 page summary of what was done to meet EO requirements for posting on the website.
- No new data required, and no analysis of existing data.
- Could work in conjunction with other BEEWG agency activities, such as BER or 10-year plan
- Potential to identify data gaps or analysis for work to be completed beyond 1/1/2020
- The first sentence of the directive references "projected energy use reductions in the region". For the purposes of this exercise and in the context of the EO, we will limit our work to reductions from energy efficiency and intentional efficiency programs. We recognize reductions can come from many places, including economic drivers, but these will not be include in the scope of this exercise.

V. Timeline

When	What	Who
June 2019	BEEWG discussion	BEEWG
June 2019	Refine stakeholder questions	PUC, ODOE
July 2019	Contact stakeholders with questions/survey	PUC, ODOE
August 2019	Summarize responses	PUC, ODOE
August / September 2019	Public meeting. Potential for a public BEEWG meeting to discuss this in August/September 2019. This public meeting would depend upon hearing from the stakeholders first and receiving responses to the questions. The purpose would be to get all data-source organizations in same place to discuss what data they have, how they use it, what can be shared, concerns with data aggregation (over/under estimation), etc.	BEEWG, stakeholders
October 2019	First draft of data summary/visualization complete for BEEWG and stakeholder review. Request comments and responses	PUC, ODOE
November 2019	Review and respond to comments, make edits to data summary as necessary	PUC, ODOE
December 2019	Publish data summary to BEEWG website, along with 1-page work summary	PUC, ODOE

Stakeholder Survey

To _____,

We are reaching out to you to help assess what information may be available to support energy efficiency projections in the region. Governor Kate Brown signed Executive Order 17-20 in November 2017¹ and directed the Oregon Public Utility Commission (PUC) and Oregon Department of Energy (ODOE) to work with stakeholders to coordinate sharing of data related to projected energy use reductions in the region. To fulfill this directive, PUC and ODOE would like to compile an inventory of data sets that are used by regional partners related to projected energy use reductions from efficiency and conservation. We are writing to request information on relevant datasets you maintain or work with through a brief questionnaire.

The intended outcome of this work is a reference catalog of data sources with brief descriptions such as its contents, who collects it, where to find it (if publicly available), what it is used for, how often it is updated, etc. Please note that it is not the intent of this work to compel organizations to make confidential or proprietary data publicly available. It is also not the goal of PUC or ODOE to collect any datasets for storage in a central location. You will have the opportunity to review and comment on the final product or report that results from this work. The final summary is envisioned to be a table, matrix, or other visual summary that describes and points to the various regional datasets.

Please review the language from EO 17-20 below and respond to the questions that follow. Please contact Anna Kim, PUC (503-378-6360) or Blake Shelide, ODOE (503-373-7809) with any questions. Thank you in advance for your help.

5C. Coordination of Data. ODOE and PUC are directed to support and assist private sector partners in efforts to coordinate sharing of data that shows projected energy use reductions in the region. This data will be made available to the public to inform energy efficiency policies, as appropriate, by January 1, 2020

Questions

- 1) Does your organization collect data that aligns with this Executive Order directive (that shows or can be used to inform projected energy use reductions in the region)? If so, please list each dataset and a brief description of it by answering the following questions. Please describe each dataset separately, if there are multiple.

1A) Name of dataset(s):

1B) Contents:

1C) Who collects the data?

1D) Is the data set currently publicly available? If so, where?

1E) Who uses the data, and for what purpose?

¹ You can find more information about Executive Order 17-20, focusing on residential, commercial, and public buildings across the state, and the Built Environment Efficiency Working Group (BEEWG) here: <https://www.oregon.gov/energy/Get-Involved/Pages/BEEWG.aspx>

1F) How often is this data set updated?

- 2) Are you aware of any existing data sets that you do not currently have available to your organization(s) but could be used to help inform your organization's energy efficiency work?
- 3) What opportunities do you see for more coordination of energy efficiency data sets in the state and region

FOR MORE INFORMATION

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