



MEMORANDUM

EUGENE WATER & ELECTRIC BOARD

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TO: Commissioners Helgeson, Brown, Mital, Simpson and Carlson
FROM: Greg Brownell, Portfolio Management and Pricing Supervisor, and Catherine Gray,
Senior Energy Resource Analyst
DATE: May 25, 2017
SUBJECT: EWEB's 2016 Oregon Renewable Portfolio Standard Compliance Report
OBJECTIVE: Information Only

Issue

In accordance with the Oregon Renewable Portfolio Standard (RPS), EWEB's 2016 RPS Compliance report is attached for Board review.

Background

The Oregon Renewable Energy Act of 2007 established a Renewable Portfolio Standard (RPS) for all Oregon electric utilities. The statute applicable to EWEB that governs compliance reporting, ORS 469A.170, states "A consumer-owned utility shall make the report to the members or customers of the utility" by June 1 of each year. Each year EWEB has met the reporting requirements of this standard by providing a detailed report to its governing Board and posting a copy on the website for customers.

Recommendation and Requested Board Action

This item is information only and accordingly there is no requested Board action.

Attachments

The 2016 compliance report is attached. This report will also be posted on EWEB's website on June 1 at the following location: <http://www.eweb.org/rps>

Eugene Water Electric Board
Oregon Renewable Portfolio Standard
2016 Compliance Report

June 1, 2017

Introduction

In 2007 Oregon enacted Senate Bill 838, the Oregon Renewable Energy Act (Act), which created a Renewable Portfolio Standard (RPS) that all Oregon electric utilities must follow. The purpose of the RPS is to decrease Oregon utilities reliance on fossil fuels for electric generation and increase their use of renewable energy sources.

The Act established standards for Oregon's electric utilities requiring that a percentage of their annual sales must come from qualifying renewable resources beginning in 2011. The exact percentage requirement and the year the requirement begins differs for large and small electric utilities, which are shown in Figure 1. The size of the utility is a percentage of Oregon's total retail electric sales in the year. EWEB is the only Consumer Owned Utility (COU) classified as a large electric utility, along with PacifiCorp and Portland General Electric. All of Oregon's other COUs are classified as small electric utilities, which under the Act do not have compliance obligations until 2025.¹

Figure 1. Annual percentage target of qualifying electricity by year

	Utility Size	2011	2015	2020	2025
Large Utilities	3% or more	5%	15%	20%	25%
Smaller Utilities	From 1.5% to 3%				10%
Smallest Utilities	Under 1.5%				5%

The Oregon Public Utilities Commission (PUC) oversees Investor Owned Utilities (IOU) reporting and compliance with the RPS. Because the PUC does not generally regulate Oregon COUs, the statute governing compliance reports, ORS 469A.170, states "A consumer-owned utility shall make the report to the members or customers of the utility." EWEB's longer term compliance strategy is addressed in its Integrated Electric Resource Plan (IERP) which is updated every 5 years or as determined by the board of commissioners.

The Act also defines which types of renewable generation are considered qualifying electricity. In general, qualifying renewable resources must have an on-line date of January 1, 1995 or later, with some exceptions.²

In recognition of the low-emission resources already existing in the region and other reasonable barriers to compliance, there are four exemptions in the Act that allow utilities to reduce the annual compliance target. These exempt utilities from taking actions for compliance that:

- Would cause the utility to spend over 4 percent of annual costs to comply with RPS
- Force Consumer Owned Utilities (COU) to replace Bonneville Power Administration (BPA) Tier 1 power with new renewable electricity
- Force a utility to acquire resources in excess of their load requirement
- Force a utility to replace older renewable or non-fossil fuel generation (i.e. legacy hydroelectric projects) with new renewable generation

¹ For additional information on the Oregon RPS see [State of Oregon: Energy in Oregon - Renewable Portfolio Standard](#)

² See link for a list of conditions under which pre-1995 resources that eligible to produce qualifying electricity, <https://olis.leg.state.or.us/liz/2016R1/Downloads/MeasureDocument/SB1547/Enrolled>
A later amendment to the RPS allows for pre-1995 woody biomass to qualify, but the RECs will not be eligible for use in compliance until 2026.

Currently, the vast majority of EWEB's resources are from BPA Tier 1 resources and EWEB owned or contracted legacy hydro. It is EWEB's interpretation that these resources can be used towards the exemption.

The Act also requires Oregon utilities to offer customers the option to elect a green power rate. EWEB's Greenpower program, implemented prior to the passage of the Act, is an example of such a voluntary retail green power rate.

RPS Compliance rules

The RPS requires that utilities include a percentage of electricity generated from qualifying renewable energy sources in their portfolio of power sold to retail customers. Measurement of compliance is based on annual megawatt hours (MWh) of retail sales and qualifying generation.

Per rules adopted by the Oregon Department of Energy, qualifying generation volumes are based on values recorded and reported to the Western Renewable Energy Generation Information System (WREGIS). WREGIS is a large database that receives monthly generation volumes of renewable generation and serves as the regional system of record to issue, monitor, account for or transfer Renewable Energy Certificates (REC). Each MWh of renewable generation equals one REC. Each REC has a unique identification number that indicates the generation project and the month the electricity was generated. The purpose of this system is to ensure that renewable generation and its associated REC are not used to meet the requirements of more than one program.

The compliance target for EWEB in 2016 is 15 percent of retail sales, subject to the four exemptions that can reduce the compliance target. Compliance is demonstrated by retiring a quantity of WREGIS RECs equal to the compliance target. Once a REC is retired in WREGIS it is no longer available to be used in any other program. However, as long as a REC has not been retired it can be retained or banked for a future use such as compliance, a voluntary program, or sold to another entity.

Under EWEB's interpretation, two exemptions significantly reduce EWEB's current and projected compliance targets. The first exemption releases EWEB from reducing purchases of BPA Tier 1 energy in order to take in qualifying electricity. The second exemption releases EWEB from replacing energy produced by non-fossil resources (such as our legacy hydro) with qualifying electricity.

EWEB's understanding of the policy rationale for these exemptions is that the intent of the RPS is to displace fossil fuels, not to require EWEB to replace energy from our existing legacy hydro projects with other renewable energy resources. The Act strikes a balance in doing no harm to the many legacy hydro projects in the Northwest while disqualifying them from creating RECs. For the purposes of calculating its hydro exemption, EWEB excludes renewable portions of BPA Tier 1 generation volumes. These renewable portions include energy that generated RECs through hydro efficiency upgrades and the contribution of existing BPA renewable resources.

EWEB's generation portfolio is overwhelmingly supplied from BPA Tier 1 power and our legacy hydro generation. Under Oregon's RPS rules, if exempt generation in 2016 exceeds 85 percent of total retail sales then EWEB can reduce the 15 percent compliance target by the amount the

exempt generation exceeds 85 percent. If exempt generation exceeds 100 percent of total retail sales then EWEB can reduce its compliance target to zero.

2016 Oregon Renewable Energy Act and RPS Compliance Information

RPS compliance is measured in annual MWh. Figure 2 contains annual MWh information used to calculate EWEB’s RPS compliance.

Figure 2. EWEB 2016 RPS Compliance Obligation Calculation

Category	MWh
Sales to Customers	2,370,401
RPS Target	15%
RPS obligation BEFORE exemption	355,560
Exempt resources	
BPA Tier 1 net purchases	2,325,159
Mid-C hydro (contract)	14,440
EWEB hydro (owned)	557,771
Total Exempt Resources	2,897,370
Fraction of retail sales from exempt resources	122%
RPS obligations AFTER exemption	0

EWEB interprets the exemptions reflected in the table to mean EWEB does not have any RPS compliance obligation in 2016; however, EWEB did retire a number of RECs to satisfy the portion of the Act that refers to voluntary renewable purchases by EWEB customers under the Greenpower program. Surplus RECs will be banked for future use or sold.

The Greenpower program allows customers the choice to voluntarily pay an additional one cent per kWh which contributes to the development and use of renewable energy. Just as RECs are retired to satisfy any obligations under the mandatory RPS, RECs are also retired to match the volume of sales under EWEB’s voluntary retail Greenpower program, with one REC retired for every MWh of program sales.

In 2016, sales to EWEB customers under the Greenpower totaled 26,359 MWh. EWEB has retired this amount of RECs from our available portfolio. For additional information on EWEB’s Greenpower program please see [Greenpower | EWEB](#).

EWEB will publish the 2017 compliance report by June 1st of 2018.