ITEM NO. CA8

PUBLIC UTILITY COMMISSION OF OREGON STAFF REPORT PUBLIC MEETING DATE: March 8, 2016

REGULAR			Upon Commission Approval
DATE:	February 26, 2016		
то:	Public Utility Commission		
FROM:	Brittany Andrus		
THROUGH:	Jason Eisdorfer and Aster Adams		
SUBJECT:	OREGON PUBLIC UTILITY COMMISSION STAFF: (OAR 860-038-0300) Memorializes Agreements Between Parties Related to Labeling Requirements.		

STAFF RECOMMENDATION:

This memorandum is informational.

ISSUE:

The Commission revised rules related to Portfolio Options Labeling Requirements in Order No. 14-067 and directed Staff and parties to hold additional workshops regarding spent nuclear fuel reporting, how often reporting should be done and the format for the label template. OARs 860-038-0005 and 860-038-0300 address Definitions for Direct Access Regulation, and Electric Company and Electricity Service Suppliers Labeling Requirements, respectively. The Commission adopted changes to these OARs in Order No. 14-067 and instructed parties to address three issues in subsequent workshops: 1) whether and how to provide any information about nuclear power, 2) schedule for reporting requirements, and 3) label template format. Staff reports on those additional workshops in this memorandum.

ANALYSIS:

In addition to Staff, parties participating in the workshops for Part 2 of Docket No. AR 555 include PacifiCorp, Portland General Electric (PGE), Oregon Department of Energy (ODOE), Renewable Northwest (RNW), and Citizens' Utility Board of Oregon (CUB).

OAR 860-038-0300 February 26, 2016 Page 2

Nuclear Power Reporting

As part of the labeling requirement, electric companies must report annual emission factors for the expected production level for each of their sources of supply under OAR 860-038-0300(6)(d). In Order No. 14-067, the Commission deleted the requirement that companies report "spent nuclear fuel, measured in mg/KWh of spent fuel." The Commission encouraged parties to follow up on this change by discussing whether and how to provide any information about nuclear power.¹ During those subsequent workshops, parties discussed a letter from the ODOE addressing whether the spent nuclear fuel can be quantified for environmental impact reporting (Attachment 1). The parties concluded that no reporting requirement regarding nuclear power is appropriate.

Schedule for Reporting Requirements

In Part 1 of the Docket No. AR 555 rulemaking, Staff and parties proposed changing the frequency of reporting required in the rule from quarterly to "consistent with the requirements and frequency" prescribed by the Commission. The Commission declined to adopt this change, instead directing parties to address the frequency issue in conjunction with the outstanding label template format issue in workshops. The parties have done this, and recommend changing the rule so that reporting is required "annually, or at a frequency prescribed by the Commission."² This proposed rule change was posted in the Oregon Bulletin and Staff anticipates that the Commission will address this proposed rule change in March 2016.

Label Template Format

In Part 1 of the rulemaking, parties did not reach agreement on the format for the label template. As directed in Order No. 14-067, parties and Staff participated in multiple workshops, and agreed to the following changes:

- Report price information based on the average monthly bill and price per kilowatthour, eliminating the reporting for specific usage levels (250, 500, 1,000 and 2,000 kilowatt hours). This change provides the most relevant information for consumers, and reduces the amount of information portrayed in the limited label space.
- PacifiCorp will now represent its unspecified market purchases by generation type alongside the generation types for its own resources, rather than portraying those market purchases as "other." PGE will continue to include its unspecified market purchases in the "slice" of the chart for each generation type.

¹ Order No. 14-067 at 3.

² Notice of Proposed Rulemaking, filed January 15, 2016, p. 5.

OAR 860-038-0300 February 26, 2016 Page 3

Because the label template formats are provided to consumers, "consistent with the requirements prescribed by the Commission," and not specified in rule, Staff and parties have agreed on principles for the type of format changes that would be substantive and require Staff and stakeholder involvement, and those that would be considered insignificant. Staff has attached both companies' final templates for power source disclosure labels (Attachments 2a for PGE, and 2b for PacifiCorp), which are scheduled to be provided to customers in early 2016.

Examples of non-substantive changes include but are not limited to modifying the color, font, graphics, and changes in non-specified wording in the template. PacifiCorp and PGE have committed to working with Staff before implementing any substantive changes to the template. Examples of substantive changes include but are not limited to adding a new power option, or adding, deleting, or making a major modification to the components of the data portrayed in the price, power source, and environmental impact information that are specified in the administrative rules as required elements in the template.

Comments

PacifiCorp and PGE submitted comments in support of the label template changes. PGE also requests that the Commission confirm that the annual frequency specified in OAR 860-038-0300(2) for residential customers also applies to the non-residential customers in subsection (3).

CONCLUSION:

Staff appreciates the collaboration of parties in resolving the outstanding issues in this docket.

Staff supports PGE's proposal that the application of an annual frequency applies to both residential and nonresidential customers. Staff believes this clarification can be made in any order adopting the proposed rule change.

With respect to the other two issues remaining in this docket, whether there should be any reporting requirements related to nuclear power and labeling format requirements, Staff believes those issues are adequately addressed by agreement of the parties and that no Commission action is required.

PROPOSED MOTION:

No Commission motion is proposed.





Attachment 1

MEMORANDUM

To: Oregon Public Utility Commission

 From: Ken Niles, Assistant Director for Nuclear Safety and Emergency Preparedness Julie Peacock, Energy Policy Analyst, Energy Planning and Innovation Division
Date: April 23, 2015
Subject: Measurement of Spent Fuel at Nuclear Facilities in the Northwest

As a part of the Public Utility Commission of Oregon Administrative Rulemaking (AR) 555, the Department was asked to describe the feasibility of determining the Oregon portion, determined by the state's electricity consumption, of spent nuclear waste from operating nuclear facilities in the Northwest. The AR 555 docket addresses the investor owned utilities' retail label and will determine the manner and frequency each utility's electricity resource mix is communicated to customers on the retail label under OAR 860-038-0300. Until 2014, Oregon Administrative Rule has required utilities to specify the amount of spent nuclear fuel measured in mg/kWh. After stakeholder discussion, it was concluded that providing a milligram per kilowatt hour calculation was a difficult, if not impossible, annual process. The Department agreed with the provision to delete the requirement to report on spent nuclear fuel per kilowatt hour.

Background

Energy Northwest operates the only commercial nuclear reactor in the Pacific Northwest, the Columbia Generating Station. It is located just north of Richland, WA. According to their website, the Columbia Generating Station produces approximately 1,170 megawatts of electricity, equivalent to about 10 percent of Washington's power and four percent of all the electric power used in the Pacific Northwest. All of its output is provided to the Bonneville Power Administration.

The nuclear reactor is refueled every other year, at which time a portion of the nuclear fuel is removed and new fuel inserted into the reactor. The fuel that has been removed is stored underwater for at least five years, before it has thermally cooled enough to be moved to dry storage. All of the fuel that has been removed from the reactor (called "spent" or "used" fuel) is stored at the reactor site, as the federal government does not yet have a permanent disposal site for the fuel.

Conclusion

Calculating the amount of waste generated per unit of electricity used within the State of Oregon would be a tremendously difficult calculation – assuming data was even available to do that calculation. The utility would have to know: when and how much nuclear-generated electricity was provided within Oregon over a specific period of time; and the amount of spent fuel generated during that same period of time (it is usually tracked in terms of fuel rods or fuel assemblies – sometimes it is tracked in metric tons). The Department agrees that maintaining the deletion of the milligram per kilowatt hour measurement is appropriate.

Renewable power options

Make a difference for the environment and reduce your carbon footprint.

GREEN SOURCE

100 percent of your energy use is offset with renewable power.

GREEN FUTURE" SOLAR

Solar power generated right here in Oregon, sold in 1 kilowatt blocks. Each block is about 14 percent of an average PGE renewable power customer's monthly usage.

CLEAN WIND

Wind power in 200 kilowatt-hour blocks. Each block is about 28 percent of an average renewable power customer's monthly usage.

HABITAT SUPPORT

Add to any renewable option for \$2.50 per month. The money goes to the Nature Conservancy for habitat restoration.

Green Source, Green Future Solar and Clean Wind are Green e- Energy certified, and most the environmental Resarch Solution. Learn more at www green-org. No. 1 renewable program in America Latest National Renewable Energy Laboratory ranking for number of renewable power customers and most renewable energy sold.



Information on environmental impacts

The environmental impact charts compare the environmental performance of this electricity product with the average profile for electricity generation in the Northwest, with respect to emission of key air pollutants (SQ, NQ₃), toxins (mercury), and greenhouse gases (CQ) associated with energy generation from fossil fuels. Impacts also occur due to the effects of waste from nuclear power plants but are not represented in these charts. More information about the public health and environmental costs of those emissions can be obtained from the U.S. Environmental Protection Agency at epa.gov/cleanenergy/ energy-and-you/affect/index.html, epa.gov/air/ airpollutants.html and epa.gov/clianatechange or by calling the Oregon Department of Environmental Quality at 503-229-5696.

Portland General Electic 121 SW Salmon Street | Portland, Oregon 97204 1-800-543-8818

03/2016

Understanding your power options

PortlandGeneral.com/PowerOptions



Attachment 2A

Pricing plans

BASIC SERVICE

This is the way most customers have traditionally paid for electricity.

TIME OF USE

You pay different rates for electricity you use depending on the time of day, day of week and season. If you can signicantly shift your energy use to off-peak hours, you may save money with Time of Use. More details on pricing, peak time periods and a calculator can be found at PortlandGeneral.com/ PowerOptions.

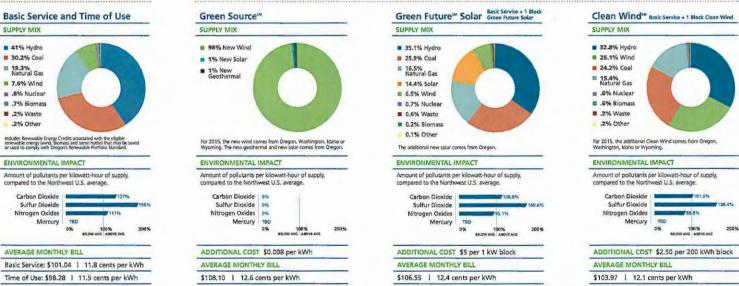
Want to know more or change your current option?

To enroll in an option, or find more details including calculators that show you how each option can impact your bill and carbon footprint, visit **PortlandGeneral.com/PowerOptions** or call 1-800-542-8818.

Where does your power come from? compare your options

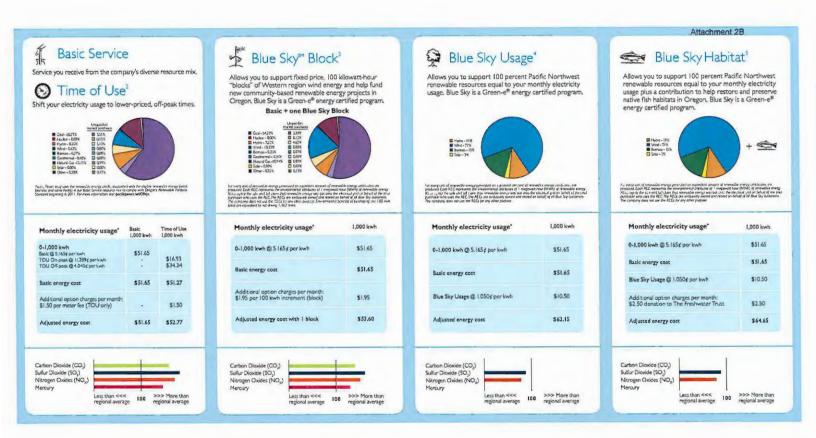
PRICING PLANS

RENEWABLE POWER



Name Avery Speed on the speed RGL we device concession and good (W) are more web respection. The ord (We concerned and good (W) are more web (W) are

Attachment 2A





Electricity can be generated in a number of ways. This annual brochure helps you compare the prices, fuel sources and environmental impact of electricity options available to you.

For more information about your options or to onroll, ploace wait patificpowennet or call us, Monday through Friday, 8 s.m. to 5 p.m., toll free at 1-800-769-3717.

To learn about Pacific Fower's implementation plan to comply with Oregon's Renewable Portfolio Standard, visit pacificpower.net/ORrps. The environmental impact charts compare the environmental performance af the inectracy product, with the arenge traffe for electricity generation in the Narthwest with respect to environ of key or pellutants (10), NOJ, toxinr (mercury), and prochabuse parse (CD) associated with conventional energy prenetation. Impact data each due to the wastle (from nuclear power plants, but are not represented in these charts.

More information about the public health and environmental casts of those omissions can be obtained from the U.S. Environmental Protection Agency as http://www.epg.avr/decomercyr/outry-and-you/affect/index.html, www.epg.avr/dividipublicants.html and www.epg.avr/dividinatechongel, or to colling the Oregon Department of Environmental Quality of \$03-229-5696.

² Based on summer Time of Use rates, average usage pattern with no shifting of electricity usage (15% on-peak, 85% off-peak)

Shifting of excitingly using (Low empouse, Saraway 2000). ¹² The Bue Sky Block charge is in addition to your regular alcotac's bill and a listed an a separate line item. Full and exceedes from participating customers are used to purchase renewable energy certificates (RECs) from Western region wind energy fordiers quite to your black-pertained to the private function of the instabilistic of of community-based, non-residential envelope and the casts of the ungent mice and the long time and the casts of the ungent mice (Saraway Cast) for the cast of the casts of the ungent mice (Saraway Cast) for the cast of the long time function of the cast of the program. Notice Saraway Cast of the cast of the program the cast of the program.

Caulte de participant de la én existencia la yeur enguier a la citrà bill and la Bale da su apparate item. Fundi received jam participante la citrà bill and la Bale da su apparate item. Fundi received jam participante cutorentes are uso to participante energy presidente participante (RECE) fom Pacific Monthewst renovable energy (Pacificia banced an yeur matibly usage to suppara renovable energy (Pacificia banced an yeur matibly usage to suppara renovable energy (Pacificia banced an yeur matibly usage to suppara renovable energy (Pacificia banced an yeur matibly usage to suppara renovable energy (Pacificia banced an each matible and a cavar the casta of the pargement to thas accuments who choose ta participante we de nut make a profit by aljetring this program.

can the measure or party stypic group to the program. The Balles Sky Medica changes in a caliform to your regular electric bill and is listed as a supported learn A and received from participanting customers are used to purchase non-working energy comparison (program for the Clip Manufase) manufational customers and program caliform and the program of the machine of a customers and any comparison of the from the clip Manufase in Origin directed to the comparity anglational mark from the from the transresolution of a customer memory balance customer education; and to caliform of customers and program enables customer education; and to caliform of customers the program to those customers who choose to participate; we do not make a part balance targer and

CO 2015 Pacific Power S/15

Let's turn the answers on.





Power source (mix)

During the 2011 color day year "applie P were had this make power sources (may not add to 100% due to rounding). New to any power sources (may not add to 100% due to rounding). New to any power sources and the source of the

Attachment 2B

Cost comparison and Price formula

These examples are based on levels of use. Please refer to your bill to find how much electricity you use each month. Prices are current as of January 1, 2013.

The price formula relates only to the electricity price and does not instent Supply Service adjustment rate schedule 203, Delivery Service charges, other adjustment rate schedules or local taxes and feet.

Costs in this brochure are based on an average month of 30.12 days. Actual billed amounts will be provided to the nearest whole kwh based on the number of days in the monthly senod. See Paritir Power's Rule 10 at pacificpower.net/nates for details.

Environmental impact

Relative environmental impact per kilowatt-hour compared to the Northwest U.S. average. The hortwest C.S. average hour and hour Part IV/PP average average three the average frame Part IV/PP average average three the average of Part - Statement Average three the average of Part - Statement Average average the statement of Part - Statement Average average of Part - Sta