

Public Utility Commission 201 High St SE Suite 100 Salem, OR 97301 Mailing Address: PO Box 1088 Salem, OR 97308-1088 Consumer Services 1-800-522-2404 Local: 503-378-6600 Administrative Services 503-373-7394

January 22, 2016

Via Electronic Filing

OREGON PUBLIC UTILITY COMMISSION ATTENTION: FILING CENTER PO BOX: 1088 SALEM OR 97308-1088

RE: <u>Docket No. UM 1623</u> – In the Matter of PORTLAND GENERAL ELECTRIC COMPANY Application for Deferral Accounting of Excess Pension Costs and Carrying Costs on Cash Contributions.

Attached for electronic filing is a copy of Staff's Redacted Opening Testimony.

Page 10 of Exhibit 100 contains confidential information. The confidential page is mailed today to parties who have signed Protective Order 12-327.

A copy of Certificate of Service and Service List is included with this filing.

/s/ Kay Barnes Kay Barnes PUC- Utility Program (503) 378-5763 kay.barnes@state.or.us

CASE: UM 1623 WITNESS: BRIAN BAHR

PUBLIC UTILITY COMMISSION OF OREGON

STAFF EXHIBIT 100

Opening Testimony

REDACTED January 22, 2016

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Q. PLEASE STATE YOUR NAME, OCCUPATION, AND BUSINESS ADDRESS.

A. My name is Brian Bahr. I am a Senior Utility Analyst in the Energy - Rates,
 Finance, & Audit Section of the Oregon Public Utility Commission. My current
 business address is 201 High St SE, Suite 100, Salem, Oregon 97301.

Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND WORK EXPERIENCE.

A. My Witness Qualification Statement is found in Exhibit Staff/101.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

 A. The purpose of my testimony is to address Portland General Electric's (PGE or Company) request for a deferral related to pension costs.

Q. DID YOU PREPARE AN EXHIBIT FOR THIS DOCKET?

- A. Yes. In addition to my Witness Qualification Statement, included as Exhibit
 - Staff/101, Bahr/1, I prepared Exhibit Staff/102, Bahr/1, which shows

calculations made by Staff as part of its analysis of PGE's request.

- Q. HOW IS YOUR TESTIMONY ORGANIZED?
- A. My testimony is organized as follows:
 - Part I Summary of Recommendations
- 19 || Part II Background
- 20 Part III Analysis
 - Part IV Conclusion

PART I – SUMMARY OF RECOMMENDATIONS

Q. PLEASE SUMMARIZE STAFF'S RECOMMENDATIONS IN THIS DOCKET.

A. Staff recommends that the Commission deny the Company's application to defer amounts related to its pension expense for partial year 2012 and full year 2013. The events causing the unexpected increased expense are not unprecedented and the financial impact on the Company is not substantial. However, should the Commission elect to approve part or all of the amounts of the deferral request, Staff recommends that the Commission apply an earnings test at the time of amortization to determine whether amortization is warranted in light of PGE's earnings during the deferral period.

PART II – BACKGROUND

Q. WHAT IS REQUESTED BY PGE IN ITS DEFERRAL APPLICATION?

A. PGE originally asked to defer certain costs associated with its pension expense; namely, Financial Account Standard (FAS) 87 expenses in excess of those set in Docket No. UE 215, test year 2011, and carrying costs on cash contributions. Under PGE's original proposal these amounts would go into a balancing account and amortization would not be subject to an earnings test.¹ Subsequent to the conclusion of Docket No. UM 1633, in which the Commission investigated pension cost recovery in Oregon, the Company modified its original request as follows:²

1. Removed amounts in the original request related to the prepaid pension asset (i.e. carrying costs associated with cash contributions);

- 2. Narrowed the original deferral period from August 22, 2012, through August 21, 2015, to only pro-rated 2012 and full vear 2013:³ and
- 3. Withdrew the request for a balancing account and instead proposed amortizing the deferral subject to an earnings test using the Company's authorized ROE at the time the deferral was filed.

The Company states these changes are based primarily on the Order issued in Docket No. UM 1633 and the stipulation reached in Docket No. UE 262.⁴

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See Company's application, filed August 22, 2012.

See PGE/100, Batzler-Hager/5-6.

The Company first filed for deferral on August 22, 2012, and filed subsequent reauthorization requests in 2013 and 2014.

See PGE/100, Batzler-Hager/5-6, generally, and PGE/100, Batzler-Hager/6, line 9, specifically.

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Q. WHAT ARE THE PRIMARY REASONS PGE IS REQUESTING THIS DEFERRAL?

3 A. In Docket No. UE 215 (test year 2011). PGE's annual pension expense was 4 set at approximately \$5.1 million. However, the Company's actual FAS 87 pension expense was \$13.2 million⁵ in 2012 and \$18.6 million in 2013. PGE 5 6 asks to defer, for later recovery in rates, the difference between the forecasted 7 pension expense in rates and actual FAS 87 expense. Thus, the amount subject to deferral is approximately \$2.9 million for 2012⁶ and \$13.5 million for 8 2013.7 PGE asserts that the difference in forecasted and actual FAS 87 9 10 expense was caused by decreases in discount rates and poor market 11 performance in 2011. PGE asserts these factors, resulting in the difference 12 between forecasted FAS 87 expense and actual FAS 87 expense, were not 13 predictable, occurred due to actions outside the Company's control, and significantly affect the Company.⁸ 14

⁷ 2012 requested deferral amount of \$3 million is calculated by subtracting 5.1 million expense in rates from \$13.2 actual expense and multiplying result by 131/366 to prorate.

⁵ Company's testimony notes amount as \$13.2 million at PGE/100, Batzler-Hager/3 at line 17. However, the Company's Exhibit 101 lists the amount as \$13.6 million. Per discussion with the Company, Staff verified the correct expense amount is \$13.2 million. The resulting pro-rata calculation would result in an amount subject to deferral of \$2.9 million rather than the \$3.0 million listed in PGE's testimony and exhibit.

⁶ Ibid.

⁸ See PGE/100, Batzler-Hager/1, at line 20.

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PART III - ANALYSIS

Q. PLEASE DESCRIBE HOW STAFF ANALYZED THE COMPANY'S DEFERRAL REQUEST.

A. Having recently participated in an extensive investigation into the treatment of pension costs in Oregon, Docket No. UM 1633, Staff's review was limited to discussing the matter with the Company, issuing ten requests for information, conducting research on market trends, and reading the Company's application, testimony, and exhibits. In doing so, Staff identified several key issues bearing analysis.

Q. WHAT FACTORS SHOULD THE COMMISSION CONSIDER IN DECIDING WHETHER TO APROVE THIS REQUEST?

A. The Commission determines whether a deferral application should be granted with a two-stage review. During the first stage, the Commission examines whether a deferral application is authorized by Oregon Revised Statute (ORS) 757.259. To be authorized under ORS 757.259(2)(e), the subsection on which PGE relies, the facts of a proposed deferral must indicate that the requested deferral will either minimize the frequency of rate changes, or appropriately match the costs borne by, and the benefits received by, ratepayers.

20 With regard to the discretionary part of the Commission's analysis, the 21 Commission considers two interrelated factors: the type of event giving rise to 22 the deferral and the magnitude of the amount to be deferred. If a deferral 23 application is based on an event deemed to be a stochastic risk, deferral is

warranted only if the financial magnitude of the event is substantial, whereas deferral of a scenario event is appropriate if the financial effect of the event is material.

The Commission has explained that a stochastic risk can be predicted to occur as part of the normal course of events, whereas a scenario risk is not susceptible to prediction or quantification. If an event was modeled in rates, the Commission evaluates whether the event was within a foreseen range of risk, or whether extenuating circumstances were involved that rendered the event unforeseeable. If the event was not modeled in rates, the Commission assesses whether it was otherwise foreseeable in the normal course of business.⁹

Q. DOES PGE'S DEFERRAL APPLICATION SATISFY THE LEGAL CRITERIA FOR DEFERRAL UNDER ORS 757.259(2)(e)?

A. PGE's testimony does not specifically address how its application satisfies either of the requirements in ORS 757.259(2)(e). Because this deferral would result in a rate change that otherwise would not occur without the deferral, Staff concludes it does not minimize the frequency of rate changes. Staff also concludes it does not satisfy the other criteria – matching costs and benefits.
 FAS 87 expense, which is an accrual cost, is used as a proxy for the actual cash costs that fund a pension program. FAS 87, is used to smooth potentially substantial volatility in a utility's annual cash payments to its pension fund.

⁹ See Order No. 07-049 at 8-10.

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Q. DOES PGE'S APPLICATION SATISFY THE DISCRETIONARY CRITERIA FOR DEFERRAL?

A. No.

Q. ARE THE AMOUNTS PGE IS REQUESTING BE DEFERRED THE CONSEQUENCE OF STOCHASTIC RISK OR PARADIGM RISK?

A. Stochastic risk. Pension expense is forecasted in rates. The possibility that the actual expense will be different than what is forecasted in rates is a foreseeable risk. Because FAS 87 expense is modeled in rates, whether deferral is warranted turns in part on whether the difference between actual expense and forecasted expense during the proposed deferral period was within a foreseen range of risk.

Q. IS THE VARIANCE BETWEEN PGE'S ACTUAL FAS 87 EXPENSE AND PENSION EXPENSE FORECASTED IN RATES WITHIN A FORSEEN RANGE OF RISK?

A. Yes. PGE asserts that the difference is due to a lower discount rate than
forecasted and poor market conditions in 2011. While it is true the discount
rate has dropped lower in recent years than at any time since 1987 (when FAS
87 was implemented), the percentage decrease in discount rate is not as
unprecedented as the Company asserts. For example, discount rates sank a
full 200 basis points between 2001 and 2005. From 1991 to 1994 discount

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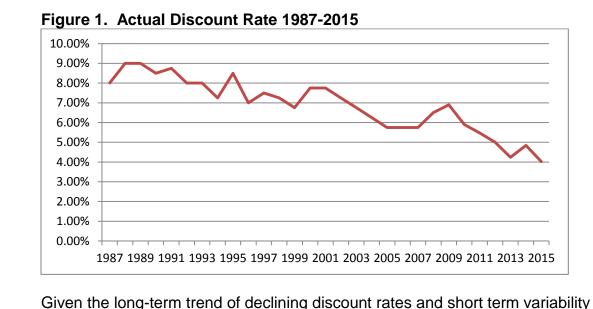
rates decreased 150 basis points, and in the single year time period between 1995 and 1996 rates decreased 150 basis points.¹⁰

Additionally, Staff determined that between 1987 and 2015, from year to year, the discount rate remained the same five times, increased eight times, and decreased 15 times.¹¹ This represents a long-term trend of declining interest rates, but also clearly demonstrates that there is more short-term variability in discount rates than portrayed by the Company's testimony. The graph below depicts PGE's discount rate from 1987 through 2015.

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from year to year, the decrease in discount rates in 2012 and 2013, decreases

of 47 basis points and 76 basis points, respectively, do not appear as

unprecedented or unexpected as claimed by the Company.

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¹⁰ Staff made these calculations based on the information provided in the Company's workpapers, namely, the file "PGE Discount Rate for Pension Expense 1987-2015."

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Q. ARE THE POOR RETURNS ON PENSION ASSETS UNPRECEDENTED?

A. The Company asserts that a lower-than-expected return in 2011 led to increased FAS 87 expense in subsequent years. The Company does not discuss in detail whether the poor market performance in 2011 is unprecedented, only stating that the return on pension assets in 2011 was well below the expected return and that, over the past five years, the Company has been in the top 12 percent of returns earned by other similar utilities.¹² According to information provided by CUB in Docket No. UM 1633, the Company's returns on its pension asset are obviously extremely variable from year to year:¹³

¹² See PGE/100, Batzler-Hager/12, at line 7.

¹³ PGE provided the information in response to a data request from the Citizens Utility Board (CUB) in Docket No. UM 1633. CUB included the information in Docket No. UM 1633 in confidential CUB Exhibit 107.

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Figure 2. Annual Returns on PGE's Pension Investment 1989-2013

		<u>Change</u>
<u>Year</u>	<u>Return</u>	(percentage points)*
		points)*
1989		
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1991		
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2012		
2013		
*abanga in returna calcula	1	

*change in returns calculated by Staff

A year in which the Company earns a lower-than-expected return on its pension assets should be hardly considered extraordinary. Consider also the variability in returns from year to year of the S&P 500 index fund shown below.¹⁴

¹⁴ See http://pages.stern.nyu.edu/~adamodar/New_Home_Page/datafile/histretSP.html.

Figure 3. Annual Returns on S&P 500, 1987-2015

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Year	Return	Change (percentage points)*
1987	5.81%	-
1988	16.54%	11.80
1989	31.48%	10.66
1990	-3.06%	4.53
1991	30.23%	-33.06
1992	7.49%	-11.59
1993	9.97%	62.90
1994	1.33%	-13.16
1995	37.20%	-30.81
1996	22.68%	13.49
1997	33.10%	12.01
1998	28.34%	13.22
1999	20.89%	-36.44
2000	-9.03%	25.12
2001	-11.85%	1.92
2002	-21.97%	-16.19
2003	28.36%	25.09
2004	10.74%	-12.74
2005	4.83%	-12.68
2006	15.61%	10.72
2007	5.48%	14.94
2008	-36.55%	-34.54
2009	25.94%	33.30
2010	14.82%	-22.74
2011	2.10%	2.47
2012	15.89%	-8.64
2013	32.15%	35.87
2014	13.52%	-14.51
2015	1.36%	10.42

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*change in returns calculated by Staff

Clearly, returns on investments of almost any kind can vary greatly from year to year and are by nature unpredictable. For this precise reason FAS 87 expense calculations specify that a long-term forecast of returns should be

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used. A discrepancy between actual and forecasted returns in any given year should NOT be considered an extraordinary event.

The Commission has observed that the difference in stochastic risk and scenario risk is that the costs caused by stochastic risk may swing above or below the average included in rates, whereas the paradigm risk likely only swings one way (to the detriment of the Company). The risk that a return may be either higher or lower than anticipated is a stochastic risk, and years in which a utility obtains a lower return than anticipated should be offset by years in which the utility earns a higher return than anticipated. Accordingly, to warrant deferral, costs resulting from a stochastic risk must be such that a utility could not expect the costs to balance out over time.

Q. ARE THE AMOUNTS AT ISSUE OF SUFFICIENT MAGNITUDE TO WARRANT DEFERRAL?

A. Given that the deferral amounts in this case result from stochastic risk then, the Company's threshold is raised, and it must show that the deferral amounts in question are not merely material, but actually substantial. To determine whether the amounts subject to deferral are indeed substantial, Staff referenced the Company's financial statements included in its annual 10k SEC filings to obtain information on revenues and income.

The Company's 2012 revenues were approximately \$1.805 billion and net income was approximately \$141 million. The Company's 2013 revenues and

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net income, respectively, were \$1.810 billion and \$105 million.¹⁵ As shown in the table below, the Company's requested deferral amounts in 2012 and 2013 represent less than one percent of the Company's actual revenues.

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Figure 4. Revenues	Income	and	Deferrals
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	<u>2012</u>	<u>2013</u>
Requested Deferral Amount	\$2,900,000	\$13,500,000
Revenues	\$1,805,000,000	\$1,810,000,000
Deferral as % of Revenues*	0.16%	0.75%
Net Income	\$141,000,000	\$105,000,000
Deferral as % of Net Income*	2.06%	12.86%

*percentages calculated by Staff

The \$16.5 million dollar question, then, is whether amounts that are less than 1 percent of revenues should be considered substantial. On page eight of Order 04-108 the Commission addresses what is or isn't considered substantial for the sake of determining approval of a deferral request:

10Although we decline to set a numerical criterion, we can give11negative and positive examples. In UM 995, for instance, we12established a deadband around PacifiCorp's baseline of 25013basis points of return on equity. We allowed no recovery of14costs or refunds to customers within that deadband,15reasoning that the band represented risks assumed, or16rewards gained, in the course of the utility business. In the

¹⁵ Revenue and income amounts for 2012 and 2013 retrieved from Company's Consolidated Statements of Income of its 10k filed with the SEC.

1	Idaho Power cases, discussed below, we allowed partial
2	recovery for a financial impact that represented
3	approximately 700 basis points of Idaho Power's return on
4	equity.
5	In the same docket that Order No. 04-108 was issued, Docket No. UM 1071,
6	the Commission denied PGE's request for deferral of hydro replacement power
7	costs in part because the financial impact was not substantial.
8	In the present application, PGE claims that it has incurred
9	\$31.6 million in excess NVPC, only some of which is
10	attributable to hydro replacement costs. PGE asserts that
11	this excess NVPC amounts to 172 basis points of return on
12	equity. This is well short of the 250 basis points of return on
13	equity within which we allowed no recovery in UM 995.
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15	We find that the cause of PGE's request is not extraordinary
16	enough to justify deferred accounting. We further find that
17	the financial impact to PGE of excess hydro costs is not
18	significant enough to warrant a deferral. Accordingly, we
19	conclude that PGE's application for deferred accounting
20	should be denied. ¹⁶
21	Exhibit 101 of the Company's testimony indicates the Company's regulated
22	adjusted ROE for 2012 and 2013 was 9.48 percent and 6.43 percent,

¹⁶ Order No. 04-108 at 9-11.

respectively. During this time, the Company's authorized ROE was 10 percent.¹⁷

To show the effect of the deferral amounts on PGE's 2012 and 2013 ROE, Staff referred to the Company's annual Statement of Operations from those years. Staff calculated that the proposed deferral amounts, \$2.9 million for 2012 and \$13.5 million for 2013, are equal to approximately 18 basis points and 86 basis points of PGE's authorized ROE.¹⁸ These amounts are well within the 250 basis point range that the Commission has concluded represents a reasonable level of risk between rate cases.

The Commission has also determined that earning a return less than that authorized by the Commission is not reason alone for deferred accounting.¹⁹

Finally, we note that PGE claims that without deferral, its return on equity will drop to 8 percent. That is far from a dire figure. We find that the impact of excess hydro costs is not significant enough in this case to warrant a deferral.

Though the Company earned less than that authorized by the Commission in
2012 and 2013, PGE'S actual ROE in 2012 was only slightly less. From a
review of the Company's financial statements, it appears that a major reason for
the Company's lower 2013 ROE was expenses attributed to the Columbia
Crossing project.

¹⁷ See PGE/100, Batzler-Hager/6, line 14.

¹⁸ Staff's calculations are included as Exhibit Staff/102, Bahr/1.

¹⁹ See Order 04-108 at page 9.

1	PART IV – CONCLUSION
2	Q. PLEASE PROVIDE A SUMMARY OF STAFF'S CONCLUSIONS AND
3	RECOMMENDATIONS.
4	A. Given the above analysis, Staff concludes the following:
5	1. A steep decline in discount rates over a short time period is not
6	unprecedented, and the long-term historical information has generally
7	indicated a trend of declining discount rates;
8	2. The poor return on pension assets experienced in 2011 is within
9	expectations given historical information that shows extreme volatility in
10	returns from year to year;
11	3. Given the two points above, the Company's current deferral request
12	should be considered the result of stochastic risk;
13	4. For a deferral to be approved that is the result of stochastic risk, the
14	threshold is that the financial impact to the Company is substantial;
15	5. The deferral amounts represent less than one percent of the Company's
16	annual revenues and are equal to approximately 18 and 86 basis points of
17	PGE's authorized ROE in 2012 and 2013, respectively;
18	6. The Company's ROE was healthy enough to sustain the minimal impact of
19	the higher-than-expected FAS 87 expense;
20	7. The deferral amounts are not substantial;
21	8. The deferral request should not be approved.
22	Q. DOES THIS CONCLUDE STAFF'S TESTIMONY?
23	A. Yes.

CASE: UM 1623 WITNESS: BRIAN BAHR

PUBLIC UTILITY COMMISSION OF OREGON

STAFF EXHIBIT 101

Witness Qualifications Statement

January 22, 2016

WITNESS QUALIFICATIONS STATEMENT

NAME:	Brian Bahr
EMPLOYER:	Public Utility Commission of Oregon
TITLE:	Senior Utility Analyst Energy Rates, Finance & Audit Division
ADDRESS:	201 High Street SE., Suite 100 Salem, OR. 97301
EDUCATION:	Certificate of Public Management, Willamette University, Salem OR
	Bachelor of Science, Accountancy, Brigham Young University, Provo UT
EXPERIENCE:	Employed with the Oregon Public Utility Commission from March 2011 to present, currently serving as Senior Utility Analyst in the Rates, Finance, & Audit Section of the Energy Division.
	Employed by Modern Seouf Plastics in Alexandria, Egypt as a Managerial Intern from January 2010 to June 2010. Assisted in variety of duties including supervision of production facilities and staff, market analysis, budget forecasting, sales, and office administration.
	Employed by PricewaterhouseCoopers LLP in New York City as a Financial Assurance Associate from October 2007 to November 2009. Performed audits of various financial institutions, including investment banks, hedge funds, and insurance companies.
	Employed by TESRA, SA in Antofagasta, Chile as a Project Management Assistant from September 2005 to April 2006. Assisted in design process and implementation of rail road crossing and other civil engineering projects.

CASE: UM 1623 WITNESS: BRIAN BAHR

PUBLIC UTILITY COMMISSION OF OREGON

STAFF EXHIBIT 102

Exhibit in Support Of Opening Testimony

January 22, 2016

All information for calculations retrieved from 2012 and 2013 Annual Reports of Operations, docketed as RE 119.

f=(c-d)/e		ROE	Q 47%	0/11.5	9.66%	18.33	
đ	Common Equity	Percent of Capital	51 74%		51.74%	basis point increase	-
σ	Weighted Percent Cost of	Long Term Debt			3.01%		
c=a/b		ROR	7.91%		8.01%		
٩	Total Average	Rate Base	\$3,057,942,000 7.91%		\$3,057,942,000 8.01%		
ō	Utility Operating Income	(Regulated Adjusted Results)	\$241,930,000		\$244,830,000		
2012			actual results		w/ אַב.ש ווו מפופוראו amount		

f=(c-d)/e		ROE		7.29%	
¢	Common Equity	Percent of Capital	51.53%	51.53%	basis point increase
σ	Weighted Percent Cost of	Long Term Debt	2.95%	2.95%	
c=a/b		ROR	6.26%	6.71%	
Ą	Total Average	Rate Base	\$3,051,299,000 6.26%	\$3,051,299,000 6.71%	
n	Utility Operating Income	(Regulated Adjusted Results)	\$191,152,000	\$204,652,000	
2013			actual results	w/ \$13.5 m deferral amount	

Staff/102 Bahr/1

CERTIFICATE OF SERVICE

UM 1623

I certify that I have, this day, served the foregoing document upon all parties of record in this proceeding by delivering a copy in person or by mailing a copy properly addressed with first class postage prepaid, or by electronic mail pursuant to OAR 860-001-0180, to the following parties or attorneys of parties.

Dated this 22nd day of January, 2016 at Salem, Oregon

14 Balves

Kay Barnes Public Utility Commission 201 High Street SE Suite 100 Salem, Oregon 97301-3612 Telephone: (503) 378-5763

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