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February 22, 2019

VIA ELECTRONIC FILING

Attention: Filing Center
Public Utility Commission of Oregon
201 High Street SE, Suite 100
P.O. Box 1088
Salem, Oregon 97308-1088

Re: Docket UE ___ - Idaho Power Company's 2018 Annual Power Supply Expense

True-Up

Attention Filing Center:

Enclosed in the above-referenced docket are an original and five copies of Idaho Power Company's 2018 Annual Power Supply Expense True-Up and Direct Testimony and Exhibits of Courtney Waites.

A copy of this filing has been served on all parties to the 2017 Annual Power Supply Expense True-Up, Docket UE 336, via electronic mail as indicated on the attached certificate of service.

Please contact me with any questions

Sincerely,

Alisha Till Paralegal

Attachments

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

2 UE ____ 3

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In the Matter of the Application of IDAHO POWER COMPANY for Amortization in Rates 5 of the Power Cost Adjustment Mechanism and Intervenor Funding Amounts. 6

2018 ANNUAL POWER SUPPLY EXPENSE TRUE-UP

7 In compliance with Order No. 08-238, as amended by Order No. 09-373 (hereinafter "Order No. 08-238"), Idaho Power Company ("Idaho Power" or "Company") hereby files its 2018 Annual Power Supply Expense True-Up ("True-Up"), which implements the power cost adjustment mechanism ("PCAM") by calculating the deviation between actual net power 10 11 supply expenses ("NPSE") and those expenses recovered through rates. Accordingly, Idaho Power requests that the Public Utility Commission of Oregon ("Commission") issue an order confirming that the Company has correctly calculated the amount of the True-Up for later inclusion in rates as \$0.00 and confirming that the Company will add \$129,102 of Oregon jurisdictional net proceeds from the sale of Renewable Energy Credits ("RECs") as a credit 15 to the Annual Power Supply Expense True-Up Balancing Account ("True-Up Balancing Account") for 2018. In addition, the Company requests authorization to amortize intervenor 17 funding amounts deferred since the Company's last request to amortize intervenor funding 18 amounts commenced on June 1, 2018. This filing is based upon the following: 19

20 1. In Order No. 08-238, the Commission approved a PCAM for Idaho Power that requires the Company to file, in February of each year, a True-Up that will implement the 22 PCAM by calculating the deviation between actual NPSE and those expenses recovered through rates. Order No. 08-238 further requires that eligible power supply expense 23 deviations be added to the True-Up Balancing Account at the end of each 12-month period ending December, along with 50 percent of the annual interest calculated at the Company's 25

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- 1 authorized cost of capital. The required calculations are detailed in the Stipulation attached
- 2 as Exhibit A to Order No. 08-238.
- 3 2. As described in the Direct Testimony of Courtney Waites filed herewith, Idaho
- 4 Power has calculated its True-Up in accordance with the methodology approved by the
- 5 Commission in Order No. 08-238, and has determined that the amount of \$0.00 should be
- 6 added to the True-Up Balancing Account because the Oregon Allocated Power Cost
- 7 Deviation is within the deadbands as calculated using the Company's 2017 Results of
- 8 Operations ("ROO") report. Consistent with Order No. 09-373, the Company will recalculate
- 9 the deadbands in April 2018 using the 2018 ROO and will make any appropriate
- 10 supplemental filings. Idaho Power will apply the net proceeds from the sale of RECs as a
- 11 credit to the True-Up Balancing Account in compliance with Order Nos. 11-086 and 17-185.
- 12 In addition, Idaho Power requests approval to amortize approximately \$52,000 in intervenor
- 13 funding amounts effective June 1, 2019.
- 14 3. Idaho Power wishes to waive paper service in this docket. Communications
- 15 regarding this Application should be addressed to:

16	Lisa D. Nordstrom	Lisa F. Rackner
	Idaho Power Company	McDowell Rackner Gibson, PC
17	1221 West Idaho Street (83702)	419 SW 11 th Avenue, Suite 400
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19		

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- For all of the above reasons, Idaho Power requests the Commission issue its order confirming that the Company has correctly calculated the amount of the PCAM True-Up, confirm that \$129,102 be applied as a credit to the True-Up Balancing Account, and authorize
- 26 the amortization in rates of deferred intervenor funding amounts.

1	Respectfully submitted this 22 nd day of	of February 2019.
2		McDowell Rackner Gibson PC
3		11/1
4		LISA F. RACKNER
5		McDowell Rackner & Gibson PC 419 SW 11 th Avenue, Suite 400
6 7		Portland, Oregon 97205 Telephone: (503) 595-3925
8		Facsimile: (503) 595-3928 dockets@mrg-law.com
9		LISA D. NORDSTROM Idaho Power Company
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Idaho Power/100 Witness: Courtney Waites

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

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IN THE MATTER OF THE APPLICATION
OF IDAHO POWER COMPANY FOR
AMORTIZATION IN RATES OF THE POWER
COST ADJUSTMENT MECHANISM AND
INTERVENOR FUNDING AMOUNTS.

DIRECT TESTIMONY

OF

COURTNEY WAITES

February 22, 2019

- Q. Please state your name, business address, and present position with Idaho
 Power Company ("Idaho Power" or "Company").
 - A. My name is Courtney Waites. I am employed by Idaho Power as a Senior Regulatory Analyst in the Regulatory Affairs Department. My business address is 1221 West Idaho Street, Boise, Idaho 83702.
 - Q. Please describe your educational background.

A. In December of 1998, I received a Bachelor of Arts degree in Accounting from the University of Alaska in Anchorage, Alaska. In 2000, I earned a Master of Business Administration degree from Alaska Pacific University. I have attended New Mexico State University's Center for Public Utilities and the National Association of Regulatory Utility Commissioners "Practical Skills for the Changing Electric Industry" conference, the Electric Utility Consultants, Inc.'s "Introduction to Rate Design and Cost of Service Concepts and Techniques for Electric Utilities" conference, Edison Electric Institute's "Introduction to Public Utility Accounting" course, Edison Electric Institute's "Electric Rates Advanced" course, SNL Knowledge Center's "Essentials of Regulatory Finance" course, and the Financial Accounting Institute's "Utility Finance and Accounting" seminar.

Q. Please describe your work experience.

A. I began my employment with Idaho Power in December 2004 in the Accounts Payable Department. In 2005, I accepted a Regulatory Accountant position in the Finance Department where one of my tasks was to assist in responding to regulatory data requests pertaining to financial issues. In 2006, I accepted my current position, Regulatory Analyst, in the Regulatory Affairs Department. My duties as a Regulatory Analyst include providing support for the Company's various regulatory activities, including tariff administration, regulatory ratemaking, and compliance filings, and the development of various pricing strategies and policies.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to describe the quantification of the Company's Annual Power Supply Expense True-Up ("True-Up Rate"), consistent with the methodology approved in Order Nos. 08-238 and 09-373. In order to determine the True-Up Rate, I will first describe the quantification of the dollar balance in the Annual Power Supply Expense True-Up Balancing Account ("True-Up Balancing Account"), including the credit for the sale of SO2 Allowances and Renewable Energy Credits ("REC" or "RECs") made during the 2018 deferral year.

Q. What is the True-Up Balancing Account?

A. As described in Schedule 56, the True-Up Balancing Account is a Company account where the power cost adjustment mechanism ("PCAM") is quantified at the end of each 12-month period ending December, along with 50 percent of the annual interest calculated at the Company's authorized cost of capital. Subject to an earnings test, the PCAM is 90 percent of the amount that the Oregon Allocated Power Cost Deviation is above or below the Power Supply Expense Deadband.

Q. How does Order No. 09-373 impact the Annual Power Supply Expense True-Up Balancing Account?

A. Order No. 09-373 approved an amendment to Order No. 08-238 clarifying which year's Results of Operations ("ROO") should be relied upon in calculating the deferral deadbands and the earnings test components of the PCAM. Idaho Power, the Oregon Citizens' Utility Board, and the Staff of the Public Utility Commission of Oregon ("Commission") agreed that for the initial calculation of the Annual Power Supply Expense True-Up filed in February each year, the Company will use the most recent ROO report available, the ROO for the year preceding the deferral period. Once the ROO report for the year of the deferral period becomes available, the Company will

file an updated calculation of the Annual Power Supply Expense True-Up. The updated calculation is expected to occur in April of each year.

- Q. Have you prepared an exhibit that quantifies the initial estimate of the amount to be added to the True-Up Balancing Account for 2018?
- Α. Yes. Exhibit 101 is the Company's quantification of the net power supply expenses to 6 be reviewed for inclusion in the True-up Balancing Account for 2018.
- 7 Q. Has the Company received authorization to defer amounts to the True-Up 8 **Balancing Account for 2018?**
 - No. Idaho Power has not yet received authorization from the Commission to defer amounts to the True-Up Balancing Account for 2018 because the Company's deferral request filed on December 27, 2017, in Docket No. UM 1464(8) also contained a request to defer variances in costs related to Idaho Power's participation in the Energy Imbalance Market ("EIM"). Because these EIM costs contain capital investments, the Company's request was subject to the policy decision in Order No. 18-4231 regarding the Commission's authority to defer capital costs under ORS 757.259, which determined that the Commission cannot legally authorize full revenue requirement deferrals. Following the issuance of Order No. 18-423, the Company and other investor-owned utilities jointly filed a motion requesting reconsideration, rehearing, clarification, and stay of the order,² further extending the uncertainty surrounding the Company's deferral request.

Q. Has a final determination been made in Docket No. UM 1909?

A. Yes. On February 19, 2019, the Commission issued Order No. 19-053, denying the request of the joint utilities, affirming the Commission's conclusion that the deferral

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¹ Re Investigation of the Scope of the Commission's Authority to Defer Capital Costs, Docket No. UM 1909.

² *Id*.

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statute language deprives the Commission of the ability to authorize deferrals of costs related to capital investments. Therefore, the Commission will now have the information necessary to make a decision regarding the Company's request in Docket No. UM 1464(8), though that decision is still pending.

- Q. Does Idaho Power believe the lack of a final Commission decision regarding the Company's request to defer net variable power cost variances in Docket No. UM 1464(8) prevents it from implementing the proposed rates in this docket?
 - No. The proposed rate changes in this docket are solely associated with REC sales and intervenor funding amounts, and not the amounts subject to the Company's deferral request in Docket No, UM 1464(8). As I will discuss in detail, for 2018, net variable power cost variances were well within the deadbands, thus resulting in no deferral amount. Likewise, with the outcome of Docket No. UM 1909, if the Commission authorizes the Company to defer variances in operations and maintenance ("O&M") expenses related to Idaho Power's participation in the EIM as part of Docket No. UM 1464(8), the EIM-related expense variance would not bring total net power cost variances outside of the deadbands. Therefore, the Company believes the Commission has sufficient information to make a determination in this docket.
- Q. Please describe Exhibit 101 and the Company's quantification of the estimated amount to be included in the True-Up Balancing Account.
- Α. In Exhibit 101, the columns detail the monthly and year-to-date deviations between actual net power supply expenses incurred and the power costs collected through rates. The last column represents the annual amounts considered in determining the amount to be included in the True-Up Balancing Account.
- Please provide a general description of the calculations used to determine the Q. amount to be included in the True-Up Balancing Account.

A. First, the Actual Unit Cost is compared to the Combined Rate to determine the per unit power cost deviation. The per unit power cost deviation is then multiplied by total system actual energy sales to determine the power cost deviation on a total system basis. Next, the Oregon allocation factor is applied to the total system power cost deviation to compute the Oregon Allocated Power Cost Deviation. Then, Power Supply Expense Deadbands are applied and, if necessary, an earnings test is performed. The resulting eligible deferral is the amount proposed to be added to the True-Up Balancing Account.

Q. How is the Actual Unit Cost calculated?

A. The Actual Unit Cost for net power supply expenses incurred is the total Actual Net Power Supply Expense ("Actual NPSE") incurred divided by the Actual Sales. The Actual NPSE is determined on a system-wide basis and includes amounts booked to Federal Energy Regulatory Commission Accounts 501 (Fuel-Coal), 547 (Fuel-Gas), 555 (Purchased Power), and 447 (Sales for Resale). In short, Actual NPSE is calculated by adding fuel plus purchased power less off-system sales. The Actual NPSE for 2018 was \$370,174,340.43. Actual Sales for 2018 were 14,586,521 megawatt-hours ("MWh"). Dividing Actual NPSE by Actual Sales results in the Actual Unit Cost of \$25.38 per MWh (\$370,174,340.43 ÷ 14,586,521 MWh = \$25.38 per MWh).

Q. What is the next step in the true-up calculation?

A. The next step in the true-up calculation is to compare the Actual Unit Cost to the Combined Rate. The Combined Rate is comprised of two components: (1) The October Power Cost Update and (2) the March Power Cost Forecast. The Combined Rate in effect from January through May 2018 was \$26.22/MWh and the Combined Rate in effect from June through December 2018 was \$25.67/MWh. The Combined Rate reflects the Commission-approved amounts reflected in rates during the months

of the true-up period. The Annual Combined Rate, which is based on the five months
of \$26.22/MWh and the seven months of \$25.67/MWh, is \$25.93/MWh.

- Q. What is the deviation between the Actual Unit Cost and the Combined Rate for 2018?
- A. For 2018, the deviation between the Actual Unit Cost (\$25.38/MWh) and the Combined Rate (\$25.93/MWh) is negative \$0.55 per MWh (\$25.38 \$25.93 = (\$0.55)). This amount is multiplied by the Actual Sales (14,586,521 MWh) to determine the deviation from the forecast on a system-wide basis, or negative \$8,061,146.91.
- Q. How is the Oregon jurisdictional portion of the deviation from the forecast on a system-wide basis calculated?
- A. The Oregon Allocated Power Cost Deviation is calculated by multiplying the system-wide deviation from the forecast by the Oregon allocation factor. The Oregon allocation factor is the energy allocator used in the ROO. Currently, using the 2017 ROO, the Oregon allocation factor is 4.64 percent. This results in an Oregon Allocated Power Cost Deviation of negative \$374,037.22, meaning the amount of the Oregon allocated power supply costs recovered in rates was more than the actual Oregon allocated power supply costs ((\$8,061,146.91) X 4.64 percent = (\$374,037.22)).
- Q. You stated earlier that as a result of Order No. 09-373 you will use the previous year's ROO to calculate the Annual Power Supply Expense True-Up filed in February and once the ROO for the year of the deferral is available, you will update the calculation of the Annual Power Supply Expense True-Up. Will the Oregon Allocated Power Cost Deviation change?
- A. If the Oregon allocation factor in the 2018 ROO is different than the Oregon allocation factor from the 2017 ROO, then the Oregon Allocated Power Cost Deviation will change.

- Q. Is the Oregon Allocated Power Cost Deviation of negative \$374,037.22 the amount of dollars to be added to the True-Up Balancing Account?
 - A. No. Once the Oregon Allocated Power Cost Deviation is calculated, a Power Supply Expense Deadband is applied.
 - Q. Please explain how the Power Supply Expense Deadband is applied.

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- A. The Power Supply Expense Deadband is based on the Company's capital structure and rate base measured on an Oregon basis from the most recent Oregon ROO report. The Oregon Allocated Power Cost Deviation is compared to the positive and/or negative deadbands. A positive deviation (Actual NPSE greater than those recovered through the Combined Rate) constitutes an excess power supply expense. This expense is first reduced by a deadband that is the dollar equivalent of 250 basis points of return on equity ("ROE") (Oregon basis). A negative deviation (Actual NPSE less than those recovered through the Combined Rate) is a power supply expense savings. This savings is reduced by a deadband that is the dollar equivalent of 125 basis points of ROE (Oregon basis).
- 16 Q. What are the deadbands used for the calendar year 2017?
- 17 A. Using the Company's Oregon rate base of \$142,328,822 and the percentage of equity
 18 in the capital structure as of December 31, 2017, 53.382 percent, the Upper Deadband
 19 of 250 Basis Points equals \$3,118,896 and the Lower Deadband of 125 Basis Points
 20 equals negative \$1,559,448. See Exhibit 102.
 - Q. Will the deadbands change as a result of the 2018 ROO?
- A. Yes, they will. A final determination of the deadbands will be made once the 2018 ROO is available in April 2019.
 - Q. The calculation of the deadbands includes the application of a net-to-gross factor. Do the provisions of the U.S. Tax Cuts and Jobs Act ("Tax Act") impact Idaho Power's net-to-gross factor?

- A. Yes. The provision of the Tax Act that reduced the federal corporate income tax rate from 35 percent to 21 percent, thus reducing Idaho Power's net-to-gross factor, became effective January 1, 2018, and therefore will be used to compute the deadbands when the 2018 ROO is available.
 - Q. Based upon the initial estimate of deadbands, what is the amount of the net power supply expense deviation proposed to be added to the True-Up Balancing Account for the calendar year 2018 should the Company receive authorization to do so in Docket No. UM 1464(8)?
- 9 A. The amount of the Oregon Allocated Power Cost Deviation, negative \$374,037.22, is
 10 greater than the Lower Deadband of negative \$1,559,448. Therefore, the dollar
 11 amount to be considered to be added to the True-Up Balancing Account is zero.
 - Q. What was the 2018 variance between actual EIM-related O&M expenses and those included in customer rates?
 - A. Order No. 18-170 in Docket No. UE 333, Idaho Power's 2018 Annual Power Cost Update, approved an Oregon jurisdictional EIM-related revenue requirement of \$113,268 which included \$59,425 in O&M expenses. Actual EIM-related O&M expenses incurred in 2018 were \$57,086, reflecting a total Oregon jurisdictional variance of \$2,339.
 - Q. Did Idaho Power track the variance between actual EIM-related O&M expenses and those included in customer rates on Exhibit 101 as part of the estimate of amounts to be added to the True-Up Balancing Account for 2018?
 - A. No. Because the Company has not yet received authorization to defer any amounts as part of the request in Docket No. UM 1464(8), no variances of EIM-related O&M expenses were tracked as part of the estimate to the True-Up Balancing Account.
 - Q. Would the inclusion of EIM-related O&M cost variances have impacted the deferral amount had they been included in the calculations on Exhibit 101?

- A. No. Adding the EIM-related O&M expenses to the power cost deviation would reduce the Oregon Allocated Power Cost Deviation by \$2,339, resulting in a deviation from forecast of negative \$371,699, an amount that is still greater than the Lower Deadband of negative \$1,559,448. Therefore, inclusion of these amounts would have had no impact on the Company's request in this case.
 - Q. Once the deferral is calculated, an earnings test must be applied. Has the Company performed the earnings test described above?
- 8 A. No.

- 9 Q. Why was an earnings test not performed?
 - A. Order No. 08-238 states that before any amounts of a deferral are approved for inclusion in the Annual Power Supply Expense True-Up Balancing Account for subsequent recovery or refund, the Commission will apply an earnings test. Because the Company is not proposing any deferral amounts be added to the Annual Power Supply Expenses True-Up Balancing Account, the Company was not required to perform an earnings test.
 - Q. In previous years the Company has proposed to offset its Oregon Allocated Power Cost Deviation by the sale of SO₂ Allowances made during the deferral year. Were any sales of SO₂ Allowances made during the calendar year 2018?
 - A. Yes. The total Oregon jurisdictional customer benefit of SO₂ Allowance sales made in 2018 was \$0.67. Subtracting this customer benefit from the Oregon Allocated Power Cost Deviation of negative \$374,037.22 creates a deviation of negative \$374.036.55. This amount is still greater than the Lower Deadband of negative \$1,559,448; therefore, the amount to be added to the True-Up Balancing Account is still zero. Again, no earnings test is required.

- Q. Order No. 11-086 requires Idaho Power to apply the net proceeds from the sale of RECs as a credit to the True-Up Balancing Account. Were any sales of RECs made during the calendar year 2018?
 - A. Yes. The total Oregon jurisdictional customer benefit of REC sales made in 2018 is \$129,102.47 (see Exhibit 103). Consistent with Order Nos. 11-086 and 17-185, the customer benefit of \$129,102.47 from the sale of RECs will be applied as a credit to the True-Up Balancing Account.
- Q. Are there any other amounts the Company is proposing to add to the True-UpBalancing Account?
 - A. No. However, as part of this request, Idaho Power is also proposing to update the level of amortization associated with the collection of intervenor funding deferrals approved in Order No. 18-173.
 - Q. Please describe the intervenor funding deferral amortization approved in Order
 No. 18-173.
 - A. Order No. 18-173 issued in Docket No. UE 336 approved the amortization and collection through Schedule 56 of \$61,183 in deferred intervenor funding amounts for the period beginning June 1, 2018, through May 31, 2019. All intervenor funding amounts approved for amortization in Order No. 18-173 were associated with intervenors acting on behalf of the residential customer class and are therefore collected only from residential customers.
 - Q. Please describe Idaho Power's proposal to update the level of amortization collection associated with intervenor funding amounts.
- A. Full amortization of the \$61,183 in deferred intervenor funding amounts will occur on May 31, 2018. Idaho Power is proposing to begin amortization and collection in rates of \$52,240 in intervenor funding amounts accrued since the Company's last request, beginning June 1, 2019.

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- Q. Please explain what makes up the balances of the \$52,240 in intervenor funding deferrals.
- A. Since the Company's last request to begin amortization of intervenor funding amounts, Idaho Power has recorded \$46,997 in deferrals associated with payments made to intervenors. In addition, Idaho Power has deferred \$5,243 in interest accrued on current deferrals. Exhibit 104 details the intervenor funding deferrals by docket and order number and interest amounts accrued.
- Q. The deferred accounting statute (ORS 757.259) allows the Company to recover 6 percent of Idaho Power's gross revenue in Oregon for the preceding calendar year. Has Idaho Power calculated the amount the Company is eligible to recover annually?
- A. Yes. As detailed in Exhibit 105, for the 12-months ended December 31, 2018, the Company received \$55.2 million in gross revenues from its Oregon customers and is therefore eligible to recover up to \$3,309,626 per year. Because the deferred amounts are well below the amount the Company is eligible to collect per year, Idaho Power is proposing to collect the entire amount of the intervenor funding deferrals over the June 1, 2019, to May 31, 2020, time period.
- Q. Section 5 of the deferral statute (ORS 757.259(5)) requires an earnings review prior to amortization of a deferral. Has Idaho Power performed an earnings test regarding these amounts?
- A. No. Section 4 of the deferral statute explicitly exempts intervenor funding expenses from the earnings review requirement.³ Accordingly, the 2016-2020 Intervenor Funding Agreement between Idaho Power and the Oregon Citizens' Utility Board

³ Section 3 of the deferral statute allows for the deferral of amounts provided as financial assistance under the intervenor funding statute (ORS 757.072). Section 4 of the deferral statute provides that mounts deferred under Section 3 are not subject to the earnings test contained in Section 5.

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Customer Class	Current (cents per kWh)	Proposed (cents per kWh)
Residential service	0.0172	0.0096
All other	(0.0146)	(0.0189)

Table 1

approved by the Commission in Order No. 16-028, provides that deferred amounts

What is the impact on rates based on the credit in the True-Up Balancing

Account and the updated level of amortization collection associated with

The Company is currently providing 2017 REC sales proceeds to all customers and

collecting amortization associated with intervenor funding deferrals from residential

customers through Schedule 56. Using the forecasted June 1, 2019, to May 31, 2020,

normalized Oregon jurisdictional sales of 681,774,381 for all customer classes, the

resulting rate associated with the credit in the True-Up Balancing Account is (0.0189)

cents per kilowatt-hour ("kWh"). The same test period includes a total of 182,789,533

in Oregon residential jurisdictional sales, resulting in a rate associated with the

intervenor funding deferrals of 0.0286 cents per kWh. The detailed calculations of the

rate impact can be found in Exhibit 105. Table 1 summarizes the impact on the rates

associated with intervenor funding will not be subject to earnings reviews.

Q. Has Idaho Power updated Schedule 56 with the proposed rates?

A. No. Because the Oregon allocation factor in the 2018 ROO may be different than the Oregon allocation factor from the 2017 ROO, the total Oregon jurisdictional customer benefit of REC sales made in 2018 may change. Idaho Power will file an update to Schedule 56 when it files its 2018 ROO in April 2019.

Q. Does this conclude your testimony?

intervenor funding amounts?

associated with Idaho Power's proposal.

Α. Yes, it does.

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DIRECT TESTIMONY OF COURTNEY WAITES

	Idaho Power/101 Witness: Courtney Waites
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BEFORE THE PUBLIC UTILITY COMM OF OREGON	IISSION
UE	
IDAHO POWER COMPANY	
Exhibit 101	
2018 PCAM	
February 2019	

OREGON PCAM (Schedule 56)		January	January YTD	February	February YTD	March	March YTD	April	April YTD	May	May YTD	June	June YTD	July
ACTUAL POWER COSTS														
Actual NPSE Costs														
Actual Sales - Includes Unbilled	MWh	1,163,414	1,163,414	1,042,299	2,205,713	1,040,017	3,245,730	992,478	4,238,208	1,187,688	5,425,896	1,395,725	6,821,621	1,729,875
Fuel	s	9.778.165.01	9.778.165.01	8.825.191.08	18.603.356.09	9.131.337.00	27.734.693.09	5.966.982.84	33.701.675.93	5.988.282.47	39.689.958.40	9.559.978.82	49.249.937.22	19.327.230.83
Purchased Power	Š	7.590.477.15	7.590.477.15	6.328.171.14	13.918.648.29	5.680.910.90	19.599.559.19	5.139.919.63	24.739.478.82	3.739.590.46	28,479,069,28	5.236.439.08	33.715.508.36	8.515.023.87
Oregon Solar Pilot		647.43	647.43	708.48	1.355.91	830.47	2.186.38	725.68	2.912.06	1,209,97	4.122.03	1.513.12	5,635,15	2.352.27
Surplus Sales	9	(8,499,151,32)	(8.499.151.32)	(4.413.418.33)	(12.912.569.65)	(6.847.560.54)	(19.760.130.19)	(6.413.552.93)	(26.173.683.12)	(2.442.740.98)	(28.616.424.10)	(1.664.674.52)	(30.281.098.62)	(4.770.891.80)
Total Non-OF	Š	8,870,138,27	8,870,138,27	10.740.652.37	19,610,790,64	7.965.517.83	27.576.308.47	4.694.075.22	32,270,383,69	7.286.341.92	39,556,725,61	13.133.256.50	52,689,982,11	23.073.715.17
QF - Includes Net Metering and Liquidated Damages	Š	14.865.468.14	14.865.468.14	15.979.792.09	30.845.260.23	13.731.448.66	44,576,708.89	18.903.029.31	63.479.738.20	18.058.087.38	81,537,825,58	23.520.594.37	105.058.419.95	25.187.846.69
Total Actual Power Costs Incurred	\$	23,735,606.41	23,735,606.41	26,720,444.46	50,456,050.87	21,696,966.49	72,153,017.36	23,597,104.53	95,750,121.89	25,344,429.30	121,094,551.19	36,653,850.87	157,748,402.06	48,261,561.86
Actual Power Cost per Unit	\$/MWh	\$20.40	\$20.40	\$25.64	\$22.88	\$20.86	\$22.23	\$23.78	\$22.59	\$21.34	\$22.32	\$26.26	\$23.12	\$27.90
POWER COSTS COLLECTED IN RATES														
Actual Sales	MWh	1,163,414	1,163,414	1,042,299	2.205.713	1,040,017	3,245,730	992,478	4,238,208	1.187.688	5,425,896	1,395,725	6,821,621	1,729,875
Combined Rate (Recoverd in Rates)	\$/MWh		\$26.91	\$ 26.48	\$26,71	\$ 27.08		\$ 26.16	\$26.67	\$ 25.69	\$26.46	\$ 25.56	\$26.27	\$ 25.70
Total Power Costs Collected in Rates	S	31,307,470.74	31,307,470,74	27.600.077.52	58.907.548.26	28.163.660.36	87,071,208.62	25.963.224.48	113.034.433.10	30.511.704.72	143.546.137.82	35,674,731.00	179,220,868.82	44,457,787.50
		-,,,,	0.,001,1.011			,,	,,	,,		,,			,,	,,
CHANGE FROM FORECAST														
Actual Power Cost per Unit	\$/MWh	\$20.40	\$20.40	\$25.64	\$22.88	\$20.86	\$22.23	\$23.78	\$22.59	\$21.34	\$22.32	\$26.26	\$23.12	\$27.90
Combined Rate (Recoverd in Rates)	\$/MWh	\$26.91	\$26.91	\$26.48	\$26.71	\$27.08	\$26.83	\$26.16	\$26.67	\$25.69	\$26.46	\$25.56	\$26.27	\$25.70
Actual Increase (Decrease) Over Forecast Rate	\$/MWh	(\$6.51)	(\$6.51)	(\$0.84)	(\$3.83)	(\$6.22)	(\$4.60)	(\$2.38)	(\$4.08)	(\$4.35)	(\$4.14)	\$0.70	(\$3.15)	\$2.20
Deviation from Forecast	\$	(7,571,864.33)	(7,571,864.33)	(879,633.06)	(8,451,497.39)	(6,466,693.87)	(14,918,191.26)	(2,366,119.95)	(17,284,311.21)	(5,167,275.42)	(22,451,586.63)	979,119.87	(21,472,466.76)	3,803,774.36
Oregon Allocation	%		4.64%		4.64%		4.64%		4.64%		4.64%		4.64%	
Oregon Allocated Power Cost Deviation (before DB)	\$		(351,334.50)		(392,149.48)		(692,204.07)		(801,992.04)		(1,041,753.62)		(996,322.46)	
Deadband - Over 250 Basis Points	s		3.118.895.74		3.118.895.74		3.118.895.74		3.118.895.74		3.118.895.74		3.118.895.74	
Deadband - Under 125 Basis Points	Š		(1,559,447.87)		(1,559,447.87)		(1,559,447.87)		(1,559,447.87)		(1,559,447.87)		(1,559,447.87)	
True-Up (+)	\$		0.00		0.00		0.00		0.00		0.00		0.00	
True-Up (-)	\$		0.00		0.00		0.00		0.00		0.00		0.00	
OREGON DEFERRAL before sharing	s		0.00		0.00		0.00		0.00		0.00		0.00	
Portion of True-up Change Allowed	%		90%		90%		90%		90%		90%		90%	
,	,				****		****		****					
OREGON DEFERRAL w/ SHARING (90/10)	\$		0.00		0.00		0.00		0.00		0.00		0.00	
Interest Rate	%		7.757%		7.757%		7.757%		7.757%		7.757%		7.757%	
Interest Accrued to date	S		0.00		0.00		0.00		0.00		0.00		0.00	
Total Deferred Balance	\$		0.00		0.00		0.00		0.00		0.00		0.00	

OREGON PCAM (Schedule 56)		July YTD	August	August YTD	September	September YTD	October	October YTD	November	November YTD	December	December YTD	Annual
ACTUAL POWER COSTS													
Actual NPSE Costs													
Actual Sales - Includes Unbilled	MWh	8,551,496	1,554,050	10,105,546	1,169,538	11,275,084	1,002,036	12,277,120	1,074,223	13,351,343	1,235,178	14,586,521	14,586,521
Fuel	\$	68,577,168.05	20,605,945.78	89,183,113.83	13,689,706.08	102,872,819.91	9,512,807.93	112,385,627.84	5,490,587.90	117,876,215.74	15,321,704.92	133,197,920.66	133,197,920.66
Purchased Power	\$	42,230,532.23	8,485,648.53	50,716,180.76	8,079,458.17	58,795,638.93	10,567,878.76	69,363,517.69	9,558,800.98	78,922,318.67	11,949,756.05	90,872,074.72	90,872,074.72
Oregon Solar Pilot		7,987.42	2,958.92	10,946.34	3,025.60	13,971.94	2,187.08	16,159.02	821.52	16,980.54	898.93	17,879.47	17,879.47
Surplus Sales	\$	(35,051,990.42)	(6,827,982.55)	(41,879,972.97)	(4,272,344.69)	(46,152,317.66)	(4,519,554.54)	(50,671,872.20)	(8,041,368.86)	(58,713,241.06)	(12,690,132.37)	(71,403,373.43)	(71,403,373.43)
Total Non-QF	\$	75,763,697.28	22,266,570.68	98,030,267.96	17,499,845.16	115,530,113.12	15,563,319.23	131,093,432.35	7,008,841.54	138,102,273.89	14,582,227.53	152,684,501.42	152,684,501.42
QF - Includes Net Metering and Liquidated Damages	\$	130,246,266.64	22,600,163.46	152,846,430.10	18,192,298.58	171,038,728.68	13,949,708.91	184,988,437.59	16,395,428.78	201,383,866.37	16,105,972.64	217,489,839.01	217,489,839.01
Total Actual Power Costs Incurred	\$	206,009,963.92	44,866,734.14	250,876,698.06	35,692,143.74	286,568,841.80	29,513,028.14	316,081,869.94	23,404,270.32	339,486,140.26	30,688,200.17	370,174,340.43	370,174,340.43
Actual Power Cost per Unit	\$/MWh	\$24.09	\$28.87	\$24.83	\$30.52	\$25.42	\$29.45	\$25.75	\$21.79	\$25.43	\$24.85	\$25.38	\$25.38
POWER COSTS COLLECTED IN RATES													
Actual Sales	MWh	8,551,496	1,554,050	10,105,546	1,169,538	11,275,084	1,002,036	12,277,120	1,074,223	13,351,343	1,235,178	14,586,521	14,586,521
Combined Rate (Recoverd in Rates)	\$/MWh	\$26.16	\$ 25.82	\$26.10	\$ 25.67	\$26.06	\$ 25.51	\$26.01	\$ 25.38	\$25.96	\$ 25.57	\$25.93	\$25.93
Total Power Costs Collected in Rates	\$	223,678,656.32	40,125,571.00	263,804,227.32	30,022,040.46	293,826,267.78	25,561,938.36	319,388,206.14	27,263,779.74	346,651,985.88	31,583,501.46	378,235,487.34	378,235,487.34
CHANGE FROM FORECAST													
Actual Power Cost per Unit	\$/MWh	\$24.09	\$28.87	\$24.83	\$30.52	\$25.42	\$29.45	\$25.75	\$21.79	\$25,43	\$24.85	\$25.38	\$25.38
Combined Rate (Recoverd in Rates)	\$/MWh	\$26.16	\$25.82	\$26.10	\$25.67	\$26.06	\$25.51	\$26.01	\$25.38	\$25.96	\$25.57	\$25.93	\$25.93
Actual Increase (Decrease) Over Forecast Rate	\$/MWh	(\$2.07)	\$3.05	(\$1,28)	\$4.85	(\$0.64)	\$3.94	(\$0.27)	(\$3.59)	(\$0.54)	(\$0.72)	(\$0.55)	(\$0.55)
Deviation from Forecast	\$	(17,668,692.40)	4,741,163.14	(12,927,529.26)	5,670,103.28	(7,257,425.98)	3,951,089.78	(3,306,336.20)	(3,859,509.42)	(7,165,845.62)	(895,301.29)	(8,061,146.91)	(8,061,146.91)
Oregon Allocation	%	4.64%		4.64%		4.64%		4.64%		4.64%		4.64%	4.64%
Oregon Allocated Power Cost Deviation (before DB)	\$	(819,827.33)		(599,837.36)		(336,744.57)		(153,414.00)		(332,495.24)		(374,037.22)	(374,037.22)
Deadband - Over 250 Basis Points	\$	3,118,895.74		3,118,895.74		3,118,895.74		3,118,895.74		3,118,895.74		3,118,895.74	3,118,895.74
Deadband - Under 125 Basis Points	\$	(1,559,447.87)		(1,559,447.87)		(1,559,447.87)		(1,559,447.87)		(1,559,447.87)		(1,559,447.87)	(1,559,447.87)
True-Up (+)	\$	0.00		0.00		0.00		0.00		0.00		0.00	0.00
True-Up (-)	\$	0.00		0.00		0.00		0.00		0.00		0.00	0.00
OREGON DEFERRAL before sharing	\$	0.00		0.00		0.00		0.00		0.00		0.00	0.00
Portion of True-up Change Allowed	%	90%		90%		90%		90%		90%		90%	90%
OREGON DEFERRAL w/ SHARING (90/10)	\$	0.00		0.00		0.00		0.00		0.00		0.00	0.00
		-											
Interest Rate	%	7.757%		7.757%		7.757%		7.757%		7.757%		7.757%	7.757%
Interest Accrued to date	S	0.00		0.00		0.00		0.00		0.00		0.00	0.00
Total Deferred Balance	\$	0.00		0.00		0.00		0.00		0.00		0.00	0.00

Idaho Power/102 Witness: Courtney Waites
BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON
UE
IDAHO POWER COMPANY
Exhibit 102 PCAM Deadband Calculation
February 2019

Determination of Oregon PCAM Deadbands Based on Idaho Power 2017 Results of Operations

(A) (B)

(1) (2)	Rate Base % Equity in cap structure	Total System \$3,284,204,938 53.382%	Oregon \$142,328,822 53.382%
(3)	Equity in rate base	\$1,753,174,280	\$75,977,972
(4)	100 basis points	1.000%	1.000%
(5)	Resulting return (NOI Effect)	\$17,531,743	\$759,780
(6)	Net-to Gross Factor	1.64200	1.64200
(7)	Revenue requirement	\$28,787,122	\$ 1,247,558

(8) **Upper Band of Basis Points 250** \$3,118,895.74 (9) **Lower Band of Basis Points 125** (\$1,559,447.87)

Idaho Power/103 Witness: Courtney Waites
Williams Country Walloc
BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON
UE
IDAHO POWER COMPANY
Exhibit 103 2018 REC Sales
February 2019

_														
	A	3 C	D	E	F	G	Н	I	J	K	L	M	N	0
1														
	Oregon Renewable Energy Credit Sales													
3	January 2018 thru December 2018						201							
4		January	February	March	April	May	June	July	August	September	October	November	December	Totals
	Prior Month Sale(s)	\$ 921,003.5		1,304,825.75	241,395.70	0.00	0.00	0.00	0.00	41,850.00	25,479.60	5,052.00	290,046.00	2,882,152.55
	Annual Certification	0.0		0.00	0.00	0.00	0.00	(3,500.00)	0.00	0.00	0.00	0.00	0.00	(3,500.00)
	Brokerage Fee's Paid in Prior Month	\$ 0.0		(3,550.00)	0.00	(3,375.00)	0.00	0.00	0.00	(418.50)	0.00	0.00	0.00	(14,096.04)
	Washington REC Registration Fees	0.0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Western Electric Coordinating Council Fees	(282.5		(1,140.35)	(1,153.42)	(1,216.93)	(207.33)	(218.13)	(212.49)	(177.27)	(286.10)	(352.65)	(201.44)	(5,721.20)
10	Net Proceeds	\$ 920,720.9	8 45,474.89	1,300,135.40	240,242.28	(4,591.93)	(207.33)	(3,718.13)	(212.49)	41,254.23	25,193.50	4,699.35	289,844.56	2,858,835.31
11														
	Oregon Allocation	4.64		4.64%	4.64%	4.64%	4.64%	4.64%	4.64%	4.64%	4.64%	4.64%	4.64%	
13	Sharing Percentage	90	% 90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	
14														
15	Total Customer Benefit	\$ 38,449.3	1 1,899.03	54,293.65	10,032.52	(191.76)	(8.66)	(155.27)	(8.87)	1,722.78	1,052.08	196.24	12,103.91	119,384.96
16														
17														
18														
19	Principle													
20	Beginning Balance	\$ 0.0	0 38,449.31	40,348.34	94,641.99	104,674.51	104,482.75	104,474.09	104,318.82	104,309.95	106,032.73	107,084.81	107,281.05	0.00
21														
22	Amount Deferred	38,449.3	1 1,899.03	54,293.65	10,032.52	(191.76)	(8.66)	(155.27)	(8.87)	1,722.78	1,052.08	196.24	12,103.91	119,384.96
23														
24	Ending Balance	\$ 38,449.3	1 40,348.34	94,641.99	104,674.51	104,482.75	104,474.09	104,318.82	104,309.95	106,032.73	107,084.81	107,281.05	119,384.96	119,384.96
25														
26														
27	Interest													
28	Beginning Balance	\$ 3,149.3	0 3,149.30	3,397.84	3,658.66	4,270.44	4,947.07	5,622.46	6,297.80	6,972.13	7,646.41	8,331.82	9,024.03	3,149.30
29														
30	Annual Interest Rate	7.757	% 7.757%	7.757%	7.757%	7.757%	7.757%	7.757%	7.757%	7.757%	7.757%	7.757%	7.757%	7.757%
31														
32	Monthly Interest	\$ 0.0	0 248.54	260.82	611.78	676.63	675.39	675.34	674.33	674.28	685.41	692.21	693.48	6,568.21
33											·			
34	Interest Accrued to Date	\$ 3,149.3	0 3,397.84	3,658.66	4,270.44	4,947.07	5,622.46	6,297.80	6,972.13	7,646.41	8,331.82	9,024.03	9,717.51	9,717.51
35														
36	Deferral Balance Including Interest	\$ 41,598.6	1 43,746.18	98,300.65	108,944.95	109,429.82	110,096.55	110,616.62	111,282.08	113,679.14	115,416.63	116,305.08	129,102.47	129,102.47
37														
38														
39	Total Customer Benefit													129,102.47
40														·

Idaho Power/104 Witness: Courtney Waites
BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON
UE
IDAHO POWER COMPANY
Forbile it 404
Exhibit 104 Intervenor Funding Deferrals
February 2019

	IDAHO POWER COMPA	NIV			
Docket/Order No.	Order Date	Recorded Date	Fund Type		Amount
AR 600/18-048	2/7/2018	2/20/2018	Issue Fund	\$	3,000.00
LC 68/18-211	6/6/2018	6/11/2018	Issue Fund	7	4,510.00
UE 333/18-218	6/13/2018	6/19/2018	Issue Fund		3,920.00
UM 1909/18-287	8/8/2018	8/13/2018	Issue Fund		2,000.00
UM 1716/18-406	10/22/2018	11/6/2018	Issue Fund		457.00
UM 1911/18-436	11/15/2018	11/20/2018	Issue Fund		1,610.00
UM 1757(4)/19-003	1/10/2019	1/15/2019	Fund Grant		31,500.00
CARRYING CHARGES					5,243.27
BALANCE				\$	52,240.27

Idaho Power/105
Witness: Courtney Waites
BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON
UE
IDAHO POWER COMPANY
Exhibit 105
Schedule 56 Rates
February 2019

Oregon

Ologo.i		
	12 MO	S ENDED DEC 2018
Total Revenues	\$	55,160,426
		6%
Deferral Revenues Allowed	\$	3,309,626
	Ť	-,,-
True-Up Balancing Account		
Oregon kWh Forecast ¹		681,774,381
Rate (cents per kWh)		(0.0189)
Estimated Collection (Refund)	\$	(129,102)
Estimated Collection (Netura)	Ψ	(123,102)
Intervenor Funding deferrals		
Oregon Residential kWh Forecast ¹		182,789,533
Rate (cents per kWh)		0.0286
Estimated Collection (Refund)	\$	52,240
	*	- ,
Total Rate - Residential Service (cents per kWh	1)	0.0096
Total Rate - All Other (cents per kWh)		(0.0189)

^{1.} June 1, 2019 - May, 31, 2020 test year.

CERTIFICATE OF SERVICE

	I hereby certify that I served a true and correct copy of the foregoing document in UE
	on the following named person(s) on the date indicated below by email addressed to
said	person(s) at his or her last-known address(es) indicated below.

Oregon Citizens' Utility Board dockets@oregoncub.org

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Idaho Power Company dockets@idahopower.com

DATED: February 22, 2019

Alisha Till Paralegal