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April 15, 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 354 – Idaho Power Company's 2018 Annual Power Supply Expense True-Up

Attention Filing Center:

Attached in the above-referenced docket is an electronic copy of the Supplemental Direct Testimony and Exhibits of Courtney Waites.

Please contact me with any questions

Sincerely,

Wendy Mc Indoo

Wendy McIndoo Office Manager

Attachments

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

DOCKET NO. UE 354

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

IDAHO POWER COMPANY

SUPPLEMENTAL DIRECT TESTIMONY

OF

COURTNEY WAITES

- Q. Please state your name and business address. 1
- My name is Courtney Waites. My business address is 1221 West Idaho Street, Boise, 2 Α. 3 Idaho 83702.
- Q. Are you the same Courtney Waites that previously filed direct testimony in this 4 5 matter?
- Α. Yes. 6
- 7 Q. What is the scope and purpose of your supplemental direct testimony?
- 8 Α. My supplemental direct testimony will revise the calculation of the Annual Power 9 Supply Expense True-up with use of the 2018 Oregon Results of Operations ("ROO") report to determine the deferral deadbands and the Oregon allocation percentage. 10 11 However, as I will show later in my testimony, neither of these revisions will change the zero deferral amount Idaho Power Company ("Idaho Power" or "Company") 12 13 previously proposed be added to the Annual Power Supply Expense True-Up Balancing Account ("True-Up Balancing Account"). With this testimony I am also filing 14 revised Exhibit Nos. 201, 202, 203 and 204. 15
- Please explain the revision to the calculation of the Annual Power Supply 16 Q. 17 Expense True-Up you are making.
- 18 Α. Order No. 09-373 clarifies which year's ROO should be relied upon in calculating the 19 deferral deadbands and the Earnings Test components of the Power Cost Adjustment 20 Mechanism ("PCAM"). As directed in Order No. 09-373, Idaho Power's initial February 21 filing included the quantification of the dollar balance proposed to be added to the 22 True-Up Balancing Account based on the 2017 ROO. The results represented a 23 preliminary estimate at the time, with this final determination being filed now that the 24 2018 ROO has been completed.
- Q. What are the power supply expense deadbands based on the 2018 ROO? 25

SUPPLEMENTAL DIRECT TESTIMONY OF COURTNEY WAITES

26

A. Using the Company's authorized Return on Equity in effect in 2018 and the Company's
 2018 Oregon rate base of \$140,969,719, the Upper Deadband of 250 basis points
 equals \$2,584,287 and the Lower Band of 125 Basis Points equals a negative
 \$1,292,143 (please see Exhibit No. 202).

5

Q. Does the use of the 2018 ROO impact any other areas of the initial filing?

A. Yes. In addition to changing the deadbands, the 2018 ROO computes the Oregon allocation percentage used to calculate Oregon's share of the excess net power supply expenses and customer benefits from the sale of Renewable Energy Credits ("REC").
Exhibit No. 201, the Oregon PCAM quantification for 2018, reflects the revised deadbands and the revised Oregon allocation percentage. In addition, using the Oregon allocation percentage of 4.63 percent from the 2018 ROO slightly decreases the total customer benefit of REC sales to \$128,831 (please see Exhibit No. 203).

Q. How do the supplemental computations you describe above impact the amount you proposed be added to the True-up Balancing Account?

A. Applying the updated Oregon allocation percentage of 4.63 percent to the power cost deviation creates an Oregon Allocated Power Cost Deviation of negative \$373,231.10
which is greater than the Lower Deadband of negative \$1,292,143. Therefore, the dollar amount associated with the Annual Power Supply Expense True-Up to be considered to add to the True-Up Balancing Account is zero. However, the total customer benefit of REC sales will be added to the True-Up Balancing Account, slightly reducing the amount proposed to \$128,831.

Q. In your initial filing, an Earnings Test was not performed because the Company
 was not proposing any deferral amounts be added to the True-Up Balancing
 Account. Does the use of the 2018 ROO change the need for an Earnings Test?

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A. No. Using the 2018 ROO still results in a zero deferral amount to be added to the
 True-Up Balancing Account and therefore does not require an Earnings Test to be
 performed.

Will the change in the amount proposed to be added to the True-up Balancing

4

5

Q.

Account affect the proposed Schedule 56 rate?

A. Yes. Although the 2018 ROO does not impact the updated level of amortization
collection associated with intervenor funding amounts initially proposed by the
Company, the slight change in the total customer benefit of the REC sales and the
update to the June 1, 2019, through May 31, 2020, test year forecast was enough to
change the proposed Schedule 56 rate. The updated detailed calculations of the rate
impact can be found in Exhibit No. 204. Table 1 summarizes the impact on the rates
associated with Idaho Power's proposal.

13

Table 1

14	Customer Class	Current (cents per kWh)	Proposed (cents per kWh)
15	Residential service	0.0172	0.0098
16	All other	(0.0146)	(0.0187)

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

18 A. Yes. Idaho Power is filing a proposed Schedule 56 reflecting the rates above
 19 concurrently as Advice No. 19-04.

20 Q. Does this conclude your testimony?

A. Yes, it does.

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Idaho Power/201 Witness: Courtney Waites

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

UE 354

IDAHO POWER COMPANY

Exhibit Accompanying Supplemental Direct Testimony of Courtney Waites

2018 PCAM Twelve Months Ended December 31, 2018

OREGON PCAM (Schedule 56)		January	January YTD	February	February YTD	Maroh	March YTD	April	April YTD	May	May YTD	June	June YTD	July.
ACTUAL POWER COSTS														
Actual NPSE Costs	where s	VERMENT	125311226223	100000000	NO STATES	CARL STOCK	200403-02-02	1200000000	21 (2002) 10 (2012)	12.0000000	NO. 1977-1997-1	100000000000000000000000000000000000000	120004321122	000000
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	1,729,87
Fuel	5	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	19,327,230.8
Purchased Power	5	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	28,479,059,28	5,236,439,08	33,715,508,36	8.515.023.8
Oregon Solar Pliot		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	2,352.2
Surplus Sales	5	(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)	(4,770,891.8
Total Non-QF	5	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	23.073.715.1
QF - Includes Net Metering and Liguidated Damages	5	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	25,187,846,6
Total Actual Power Costs Incurred	5	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	157,748,402.05	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	\$27.9
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	1,729,87
Combined Rate (Recovered 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
Total Power Costs Collected In Rates	5	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
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)	S/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)	3,803,774.3
Oregon Allocation	%		4.63%		4.63%		4.63%		4.63%		4.63%		4.63%	
Oregon Allocated Power Cost Deviation (before DB)	\$		(350,577.32)		(391,304.33)		(690,712.26)		(800,263.61)		(1,039,508.46)		(994,175.21)	
Deadband - Over 250 Basis Points	5		2,584,286.69		2,584,286.69		2,584,286.69		2,584,286.69		2,584,286.69		2,584,286.69	
Deadband - Under 125 Basis Points	5		(1,292,143.34)		(1,292,143.34)		(1,292,143.34)		(1,292,143.34)		(1,292,143.34)		(1,292,143.34)	
True-Up (+)			0.00		0.00		0.00		0.00		0.00		0.00	
	2		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	5		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	
nterest Rate	%		7.757%		7.757%		7.757%		7.757%		7.757%		7.757%	
Interest Accrued to date	\$		0.00		0.00		0.00		0.00		0.00		0.00	
fotal Deferred Balance			0.00		0.00		0.00		0.00		0.00		0.00	

Idaho Power/201 Waites/1

2018 PCAM	
Twelve Months	Ended December 31, 2018

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	0	8											
Actual NPSE Costs	1. 10000	12 5 530 attack	States and States	2222000000	100000000000	500000000000000000000000000000000000000	100000000000000	6.00000000000	22333355555655	142705-303	100000000000	1	4.4.5.672.272
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	5	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	5	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 Pliot	1.000	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	5	(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-OF	s	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 Liguidated Damages	5	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	5	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									Lef.				
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 (Recovered 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	5	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	378,235,487.3
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	%	4.63%		4.63%		4.63%		4.63%		4.63%		4.63%	4.639
Oregon Allocated Power Cost Deviation (before DB)	\$	(818,060.46)		(598,544.60)		(336,018.82)		(153,083.37)		(331,778.65)		(373,231.10)	(373,231.10
Deadband - Over 250 Basis Points	5	2,584,286.69		2,584,286.69		2,584,286.69		2,584,286.69		2,584,286.69		2,584,286.69	2,584,286.69
Deadband - Under 125 Basis Points	5	(1,292,143.34)		(1,292,143.34)		(1,292,143.34)		(1,292,143.34)		(1,292,143.34)		(1,292,143.34)	(1,292,143.34
True-Up (+)	5	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	5	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	1	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		0.00		0.00		0.00		0.00		0.00		0.00	0.00
	3 9 1					1141124		10000		1015000		0.00	17000.00
Total Deferred Balance		0.00		0.00		0.00		0.00		0.00		0.00	0.00

Idaho Power/201 Waites/2

Idaho Power/202 Witness: Courtney Waites

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

UE 354

IDAHO POWER COMPANY

Exhibit Accompanying Supplemental Direct Testimony of Courtney Waites

Determination of Oregon PCAM Deadbands Based on Idaho Power 2018 Results of Operations

		(A)	(B)
		Total System	Oregon
(1)	Rate Base	\$3,363,070,908	\$140,969,719
(2)	% Equity in cap structure	54.454%	54.454%
(3)	Equity in rate base	\$1,831,326,632	\$76,763,651
(4)	100 basis points	1.000%	1.000%
(5)	Resulting return (NOI Effect)	\$18,313,266	\$767,637
(6)	Net-to Gross Factor	1.347	1.347
(7)	Revenue requirement	\$24,661,011 \$	1,033,715

(8)	Upper Band of Basis Points	250	\$2,584,286.69
(9)	Lower Band of Basis Points	125	(\$1,292,143.34)

Idaho Power/203 Witness: Courtney Waites

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

UE 354

IDAHO POWER COMPANY

Exhibit Accompanying Supplemental Direct Testimony of Courtney Waites

Idaho Power/203 Waites/1

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1	<i>N</i> 0	Ŭ	U	<u> </u>		U			Ū	K	<u> </u>	IVI		0
2	Oregon Renewable Energy Credit Sales													
	January 2018 thru December 2018						2018							
4		January	February	March	April	Mav	June	July	August	September	October	November	December	Totals
5	Prior Month Sale(s)	921,003.50	52,500,00	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
6	Annual Certification	0.00	0.00	0.00	0.00	0.00	0.00	(3,500.00)	0.00	0.00	0.00	0.00	0.00	(3,500.00)
7	Brokerage Fee's Paid in Prior Month \$	0.00	(6,752.54)	(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)
8	Washington REC Registration Fees	0.00	0.00	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	(282.52)	(272.57)	(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 \$	920,720.98	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	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	
13	Sharing Percentage	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	
14														
15	Total Customer Benefit \$	38,366.44	1,894.94	54,176.64	10,010.90	(191.35)	(8.64)	(154.93)	(8.85)	1,719.06	1,049.81	195.82	12,077.82	119,127.66
16														
17														
18														
	Principle													
	Beginning Balance \$	0.00	38,366.44	40,261.38	94,438.02	104,448.92	104,257.57	104,248.93	104,094.00	104,085.15	105,804.21	106,854.02	107,049.84	0.00
21														
	Amount Deferred	38,366.44	1,894.94	54,176.64	10,010.90	(191.35)	(8.64)	(154.93)	(8.85)	1,719.06	1,049.81	195.82	12,077.82	119,127.66
23			10 001 00								100 051 00			
	Ending Balance \$	38,366.44	40,261.38	94,438.02	104,448.92	104,257.57	104,248.93	104,094.00	104,085.15	105,804.21	106,854.02	107,049.84	119,127.66	119,127.66
25 26														
	Interest													
	Beginning Balance	3.149.30	3.149.30	3.397.31	3.657.57	4,268.03	4,943.21	5.617.15	6.291.03	6.963.91	7.636.73	8.320.67	9.011.39	3.149.30
20	beginning balance 3	3,149.30	3,149.30	3,397.31	3,037.37	4,208.03	4,943.21	5,017.15	6,291.03	0,903.91	7,030.73	6,320.67	9,011.39	3,149.30
	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		1.13176	1.13176	1.131%	1.13170	1.13176	1.13176	1.13176	1.13176	1.13176	1.131%	1.13176	1.13176	1.131%
	Monthly Interest \$	0.00	248.01	260.26	610.46	675.18	673.94	673.88	672.88	672.82	683.94	690.72	691.99	6.554.08
33		0.00	240.01	200.20	310.40	075.10	070.04	075.00	072.00	072.02	005.94	030.72	031.33	0,004.00
	Interest Accrued to Date	3.149.30	3.397.31	3.657.57	4.268.03	4.943.21	5.617.15	6.291.03	6.963.91	7.636.73	8.320.67	9.011.39	9.703.38	9,703,38
35	······································	5,110.00	5,007.01	2,007107	.,200.00	1,0 10.21	2,21110	2,201100	2,000.01	.,000.10	2,020.07	2,011.00	2,7 00.00	5,7 00.00
36	Deferral Balance Including Interest	41,515.74	43,658.69	98,095.59	108,716.95	109,200.78	109,866.08	110,385.03	111,049.06	113,440.94	115,174.69	116,061.23	128,831.04	128,831.04
37			.,					.,	, 		.,	.,	.,	
38														
39														128,831.04
40													-	0,000.000
40		1												

Idaho Power/204 Witness: Courtney Waites

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

UE 354

IDAHO POWER COMPANY

Exhibit Accompanying Supplemental Direct Testimony of Courtney Waites

Oregon		
-	12 MO	S ENDED DEC 2018
Total Revenues	\$	55,160,426 6%
Deferral Revenues Allowed	\$	3,309,626
True-Up Balancing Account		
Oregon kWh Forecast ¹		687,203,565
Rate (cents per kWh)		(0.0187)
Estimated Collection (Refund)	\$	(128,831)
Intervenor Funding deferrals		
Oregon Residential kWh Forecast ¹		182,860,882
Rate (cents per kWh)		0.0286
Estimated Collection (Refund)	\$	52,240
Total Rate - Residential Service (cents per kWh)		0.0098
Total Rate - All Other (cents per kWh)		(0.0187)

1. Revised June 1, 2019 - May, 31, 2020 test year.