## VIA ELECTRONIC FILING

Public Utility Commission of Oregon
Filing Center
P.O. Box 1088

201 High Street SE, Suite 100
Salem, Oregon 97301
Re: Docket No. UE 336 - Idaho Power Company's 2017 Annual Power Supply Expense True-Up

Attention Filing Center:
Attached for filing in the above-referenced docket is an electronic copy of Idaho Power Company's Supplemental Direct Testimony of Courtney Waites.

Please contact this office with any questions.
Sincerely,



Alisha Till
Legal Assistant
Attachment

# BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON 

DOCKET NO. UE 336

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

April 13, 2018
Q. Please state your name and business address.
A. My name is Courtney Waites. My business address is 1221 West Idaho Street, Boise, Idaho 83702.
Q. Are you the same Courtney Waites that previously filed direct testimony in this matter?
A. Yes.
Q. What is the scope and purpose of your supplemental direct testimony?
A. My supplemental direct testimony will revise the calculation of the Annual Power Supply Expense True-up with use of the 2017 Oregon Results of Operations ("ROO") report to determine the deferral deadbands and the Oregon allocation percentage. 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") 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 revised Exhibit Nos. 201, 202, 203, and 204.
Q. Please explain the revision to the calculation of the Annual Power Supply Expense True-Up you are making.
A. Order No. 09-373 clarifies which year's ROO should be relied upon in calculating the deferral deadbands and the Earnings Test components of the Power Cost Adjustment Mechanism ("PCAM"). As directed in Order No. 09-373, Idaho Power's initial February filing included the quantification of the dollar balance proposed to be added to the True-Up Balancing Account based on the 2016 ROO. The results represented a preliminary estimate at the time, with this final determination being filed now that the 2017 ROO has been completed.
Q. What are the power supply expense deadbands based on the 2017 ROO?
A. Using the Company's authorized Return on Equity in effect in 2017 and the Company's 2017 Oregon rate base of $\$ 142,328,822$, the Upper Deadband of 250 basis points equals \$3,118,896 and the Lower Band of 125 Basis Points equals a negative \$1,559,448 (please see Exhibit No. 202).
Q. Does the use of the 2017 ROO impact any other areas of the initial filing?
A. Yes. In addition to changing the deadbands, the 2017 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 2017, reflects the revised deadbands and the revised Oregon allocation percentage. In addition, using the Oregon allocation percentage of 4.64 percent from the 2017 ROO slightly decreases the total customer benefit of REC sales to $\$ 102,552$ (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 4.64 percent to the power cost deviation creates an Oregon Allocated Power Cost Deviation of $\$ 391,353.64$ which is less than the Upper Deadband of $\$ 3,118,896$. Therefore, the dollar amount associated with the Annual Power Supply Expense True-Up to be considered to add to the TrueUp 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 \$102,552.
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 2017 ROO change the need for an Earnings Test?
A. No. Using the 2017 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.
Q. Will the change in the amount proposed to be added to the True-up Balancing Account affect the proposed Schedule 56 rate?
A. No. The 2017 ROO does not impact the updated level of amortization collection associated with intervenor funding amounts initially proposed by the Company and the slight change in the total customer benefit of the REC sales was not enough to change the proposed Schedule 56 rate. The updated detailed calculations of the rate impact can be found in Exhibit 204. Table 1 summarizes the impact on the rates associated with Idaho Power's proposal.

Table 1

| Customer Class | Current (cents per kWh) | Proposed (cents per kWh) |
| :--- | :---: | :---: |
| Residential service | 0.0567 | 0.0002 |
| All other | $(0.0017)$ | $(0.0001)$ |

Q. Has Idaho Power updated Schedule 56 with the proposed rates?
A. Yes. Idaho Power is filing a proposed Schedule 56 reflecting the rates above concurrently as Advice No. 18-05.
Q. Does this conclude your testimony?
A. Yes, it does.


Twelve Months Ended December 31, 2017
Tw

| OREGON PCAM (Schedule 56) ACTUAL POWER COSTS |  | January | January YTD | February | Februar YTD | March | March YTD | April | April YTo | Mav | May $\mathrm{M}_{\text {¢ }}$ | June | June YT0 | Julv | July $\mathrm{V}_{\text {Po }}$ | Auoust |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Actual NPSE Costs <br> Actual Sales - Includes Unbilled | MWh | 1,349,781 | 1,349,781 | 1,048,787 | 2,398,568 | 1,009,387 | 3,407,955 | 924,860 | 4,332,815 | 1,140,933 | 5,473,748 | 1,397,830 | 6,871,578 | 1,725,944 | 8,597,522 | 1,551,576 |
| Fuel | \$ | 17,090,975.58 | 17,090,975.58 | 11,721,996.11 | 28,812,971.69 | 7,439,097.25 | 36,252,068.94 | 5,927,373.33 | 42,179,442,27 | 6,349,416.23 | 48,528,856.50 | 8,139,296.25 | 56,668,154.75 | 18,466,024.40 | 75,134,179.15 | 21,558,559.11 |
| Purchased Power | \$ | 7,214,181.14 | 7,214,181.14 | 5, $238,406.76$ | 12,452,587.90 | 4,941,024,77 | 17,393,612.67 | 4,962,519.42 | 22,356,132.09 | 3,700,846.68 | 26,056,978.77 | 4,968,791.54 | 31,02,770.31 | 6,877,460.25 | 37,903,230.56 | 6,140,751.72 |
| Oregon Solar Piot |  | ${ }^{523.03}$ | 523.03 | ${ }^{470.57}$ | 993.60 | 688.71 | 1,680.31 | 408.86 | 2,089.17 | ${ }^{626.70}$ | 2,715.87 | 1,659.85 | 4,375.72 | 2,557.72 | 6,933.44 | ${ }^{2,688.16}$ |
| Surplus Sales | \$ | (669,275.09) | (669,275.09) | (4,270,571.00) | (4,939,846.09) | ${ }_{\text {c }}(5.658 .3788 .26)$ | (10.598,224.35) | (4,370,592.38) | (14,968,8816.73) | (1,667,567.57) | (16.636,384.30) | (1,249,427.00) | (17,885,811,30) | (607,777.93) | (18,493.589.23) | ${ }^{(25,0747,773,277)}$ |
|  | \$ | 23,636,404.66 10,219839.42 | $23,636,404.66$ $10,219,839.42$ | $12,690,302.44$ $11,987,820.21$ | $36,326,707.10$ $22,207.659 .63$ | 6,722,430.47 $11,314,503.25$ | $43,049,1377.57$ $33,522,162.88$ | $6,519,709.23$ $16,607,358.27$ | $49,568,846.80$ $50,129.521 .15$ | $8,383,322.04$ $18,593,223.07$ | $57,952,168.84$ $68,722,744.22$ | $11,860,320.64$ $21,845,696.87$ | 69,812,489.48 $90.568,41.09$ | $24,738,264.44$ $22,493,206,73$ | $94,550,753.92$ $113,061,647.82$ | $25,627,145.72$ $22,416,129.97$ |
| Total Actual Power Cosis incurred | \$ | 333,556.244.08 | 33,856.244.08 | 24,678,122.65 | 58.534,366.73 | 18.036,933.72 | 76,571.300.45 | 23,127,067.50 | 99,698,367.95 | 26,976.545.11 | 126,674,9933.06 | 33,706.017.51 | 160,380,930.57 | 47,23,4.471.17 | 207, 612,401.74 | $\xrightarrow{48.043 .275 .69}$ |
| Actual Power Cost per Unit | sIMWn | \$25.08 | \$25.08 | s23.53 | \$24.40 | S17.87 | s22.47 | \$25.01 | \$23.01 | \$23.64 | \$23.14 | \$24.11 | s23.34 | \$27.37 | \$24.15 | \$30.9 |
| POWER COSTS COLLECTED IN RATES |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Actual Sales ${ }_{\text {cout ( }}$ | $\stackrel{\text { MWh }}{\text { S/MWh }}$ | ${ }_{\text {1,34.781 }}^{12.86}$ | ${ }_{\text {1,349,781 }} \mathbf{5 2 4 8 6}$ | ${ }^{1,048,787}{ }^{24.95}$ | ${ }_{\text {2, } 398.5688}$ | ${ }^{1,009,387}$ | $\xrightarrow{3,407.955}$ | ${ }^{924,880}$ | ${ }_{4}^{4,332,815}$ | ${ }^{1,140,933}$ | ${ }^{5,473,748}$ | ${ }^{1,397,830}$ | ${ }_{\text {6,871.578 }}$ | ${ }^{1,725.944}$ | ${ }^{8,597,522}$ | 1,551.576 |
| Combined Rate (Recoverd in Rates) Total Power Costs collected in Raes | S ${ }_{\text {s }}$ | ${ }_{33,555,555.66}$ | ${ }_{33,555,55.66}^{\substack{\text { s.2.66 }}}$ | ${ }_{26,167,235,65}^{24.95}$ | ${ }_{59,722,791.31}^{\text {s.7.90 }}$ | ${ }_{\text {25,042,891.47 }}{ }^{\text {a }}$ | ${ }_{\text {84,765,682.78 }}^{\text {S. }}$ | 22,501,843.80 ${ }^{24.33}$ | ${ }_{\text {107,267,526.58 }}^{\text {S24.76 }}$ | 28,135,407,78 | ${ }_{135,402,934.36}^{\text {S2, }}$ | 35,910,255.70 | ${ }_{171,313,187.06}^{\text {S24.93 }}$ | \$ ${ }_{44,581,135.52}^{\text {25,.83 }}$ | ${ }_{215,894,320.58}^{\text {S25.11 }}$ | ${ }_{40,340,976.00}^{26.00}$ |
| CHANGE FROM FORECAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Actual Power Cost per Unit | \$/MWh | \$25.08 | \$25.08 | \$23.53 | \$24.40 | \$17.87 | \$22.47 | \$25.01 | ${ }^{523.01}$ | ${ }_{523.64}$ | ${ }^{\$ 23.14}$ | ${ }^{\$ 24.11}$ | ${ }^{\$ 2}$ | 37 | ${ }^{\text {\$24.15 }}$ | ${ }^{530.96}$ |
| Combined Rate (Recoverd in Rates) | Mwh |  |  | ${ }_{\text {sis }}^{\text {si4.95 }}$ | (524.90 | ${ }_{\text {sin }}^{\text {s24.81 }}$ | ${ }_{\text {S24.87 }}^{\text {S24, }}$ | ${ }_{\$ 24.3}$ |  | ${ }_{\text {S }} 524.66$ | ${ }_{\text {S }}^{\text {\$24.74 }}$ | ${ }_{\text {S }}^{\text {S25.69 }}$ |  | 25.83 |  |  |
| Deviaion from Forecast | ${ }_{5}$ | 300,688.42 | 300,688.42 | (1,489,113.00) | (1,188,424.58) | (7,00,957.75) | (8,194,382.33) | 625,223.70 | ${ }_{(7,569,158.63)}$ | ${ }_{(1,158,862.67)}^{\text {(51.2) }}$ | (8,728,021.30) | (2,204,235.19) | (10,932,256.49) | ${ }_{\text {2,650,337.65 }}$ | (8,281,918.84) | 7,702,299.69 |
| Oregon Allocation <br> Oregon Allocated Power Cost Deviation (before DB) | $\begin{gathered} \% \\ s \end{gathered}$ |  | $\begin{array}{r} 4.64 \% \\ 13,951.94 \end{array}$ |  | $\begin{array}{r} 4.64 \% \\ (55,142.90) \end{array}$ |  | $\begin{array}{r} 4.64 \% \\ (380,219.34) \end{array}$ |  | $\begin{gathered} 4.64 \% \\ (351,20.96) \end{gathered}$ |  | $\begin{array}{r} 4.64 \% \\ (404,980.19) \end{array}$ |  | $\begin{gathered} 4.64 \% \\ (507,256.70) \end{gathered}$ |  | $\begin{array}{r} 4.64 \% \\ (384,281.03) \end{array}$ |  |
| Deadband - Over 250 Basis Points | \$ |  |  |  |  |  | 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) |  | (1,559,477.87) |  | (1,559,477.87) |  | (1,559,477.87) |  | (1,559,447.87) |  | (1,559,477.87) |  |
| True-Up (+) True-Up (-) | ${ }_{\$}^{\$}$ |  | $\begin{aligned} & 0.00 \\ & 0.00 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 0.00 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 0.00 \\ & 0.0 \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 0.00 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 0.00 \\ & 0.0 \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 0.00 \\ & 0 \end{aligned}$ |  |
| OREGON DEFERRAL before sharing Portion of True-up Change Allowed | $\$$ |  | $\begin{aligned} & 0.00 \\ & 90 \% \\ & 90 \% \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 90 \% \\ & 90 \% \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 90 \% \\ & \hline 0 \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 90 \% \\ & 90 \% \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 90 \% \end{aligned}$ |  | 0.00 <br> $90 \%$ |  | 0.00 <br> $90 \%$ |  |
| OREGON DEFERRAL W I SHARING (90110) | s |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  |
| Interest Rate interest Accrued to date | $\begin{aligned} & \% \\ & \$ \end{aligned}$ |  | $\begin{aligned} & 7.57 \% \% \% \\ & \hline 0.00 \end{aligned}$ |  | $\begin{gathered} 7.757 \% \\ 0.00 \end{gathered}$ |  | $\begin{aligned} & 7.757 \% \\ & 0.00 \end{aligned}$ |  | $\begin{gathered} 7.757 \% \% \\ 0.00 \end{gathered}$ |  | $\begin{gathered} 7.757 \% \% \\ 0.00 \end{gathered}$ |  | $\begin{gathered} 7.757 \% \% \\ 0.00 \end{gathered}$ |  | $\begin{aligned} & 7.757 \% \% \\ & 0.00 \end{aligned}$ |  |
| Total Deferred Balance | s |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  |

Twelve Months Ended December 31, 2017
Tw



## Determination of Oregon PCAM Deadbands

## Based on Idaho Power 2017 Results of Operations

(2) \% Equity in cap structure
(3) Equity in rate base
(4) 100 basis points
(5) Resulting return (NOI Effect)
(6) Net-to Gross Factor
(7) Revenue requirement

| Total System | Oregon |
| ---: | ---: |
| $\$ 3,284,204,938$ | $\$ 142,328,822$ |
| $53.382 \%$ | $53.382 \%$ |
| $\$ 1,753,174,280$ | $\$ 75,977,972$ |
| $1.000 \%$ | $1.000 \%$ |
| $\$ 17,531,743$ | $\$ 759,780$ |
| 1.64200 | 1.64200 |
| $\$ 28,787,122$ | $\$$ |
|  | $\mathbf{1 , 2 4 7 , 5 5 8}$ |

(8) Upper Band of Basis Points 250 \$3,118,895.74
(9) Lower Band of Basis Points

125
(\$1,559,447.87)




| Oregon |  |  |
| :---: | :---: | :---: |
|  | 12 MOS ENDED DEC 2017 |  |
| Total Revenues | \$ | 53,986,138 |
|  |  | 6\% |
| Deferral Revenues Allowed | \$ | 3,239,168 |
| True-Up Balancing Account |  |  |
| Oregon kWh Forecast ${ }^{1}$ |  | 701,192,978 |
| Rate (cents per kWh) |  | (0.0001) |
| Estimated Collection (Refund) | \$ | $(102,552)$ |
| Intervenor Funding deferrals |  |  |
| Oregon Residential kWh Forecast ${ }^{1}$ |  | 192,406,240 |
| Rate (cents per kWh) |  | 0.0003 |
| Estimated Collection (Refund) | \$ | 61,183 |
| Total Rate - Residential Service (cents per kWh) |  | 0.0002 |
| Total Rate - All Other (cents per kWh) |  | (0.0001) |

1. June 1, 2018 - May, 31, 2019 test year.

2017 PCAM
Tweve Months Ended December 31, 2017

| OREGON PCAM (Schedule 56) ACTUAL POWER COSTS |  | January | Januar YTD | February | February YTD | March | March YTD | April | AprilyTD | May | May YTD | June | June YTo | Juty | July YTD | August |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Actual NPSE Costs | MWn | 1,349,781 | 1,349,781 | 1,048,787 | 2,398,568 | 1,009,387 | 3,407,955 | 924,860 | 4,332,815 | 1,140,933 | 5,473,748 | 1,397,830 | 6.871,578 | 1,725,944 | 8.597,522 | 1,551.576 |
| Fue |  | 1700975 | 1700975 |  | 28.812971 .69 | 7109097 | 3250094 | 59273733 | 42179327 | -30463 | 4523950 | -1392965 |  | 106020, |  |  |
| ${ }^{\text {Puerchased Power }}$ | \$ | 7, 7 ,214,181.14 |  | 5,238,406.76 | 12,452,587.90 | 4,941,024.77 | ${ }^{30}$ 17,239,612.6.67 | 4,962,519.42 | ${ }_{2}^{42,356,132.09}$ |  | ${ }_{\text {20, }}^{\text {26, }, 56,9,978.77}$ | ${ }_{\text {4,968,791.54 }}$ | ${ }_{\text {31, }}^{56,026,770.31}$ |  | ${ }_{3} 3,7,903,230.56$ | ${ }_{6}^{21,140.751 .72}$ |
| Oregon Solar Pilot |  | ${ }^{523.03}$ | 523.03 | 470.57 | 993.60 | 686.71 | 1.680.31 | 408.86 | ${ }_{2}, .089 .17$ | ${ }_{626.70}$ | ${ }_{2,715.87}$ | 1.659 .85 | $4,375.72$ | ${ }^{2,5577.72}$ | ${ }_{6} 6,933.44$ | ${ }^{2} .608 .16$ |
| Surpus sales | \$ | (669,275.09) | (669,275.09) | (4,270.571.00) | (4,939,846.09) | (5,658,378.26) | (10,598,224,35) | (4,370.592.38) | (14,968,881.73) | ${ }^{(1,667.567 .57)}$ | (16,636,364,30) | (1,249,427.00) | ${ }^{(17,88,5,517.130)}$ |  |  | ${ }_{\text {(2,074, }}^{2,773.27)}$ |
| Total Non--F | \$ | ${ }^{23,636,404,66}$ | 23,636,404.66 | 12,690,302.44 | 36,326,707.10 | 6,722,430.47 | $43,049,137.57$ | ${ }^{6.519,7909.23}$ | ${ }^{49,568,846.80}$ | 8,383,322.04 | 57,952,168.84 | ${ }^{11,860,320.64}$ | ${ }^{69,8512.499 .48}$ | ${ }^{24,738,264.44}$ | 94,550,753.92 |  |
| Tor F - Includes Net Metering and Liquidated Damages | ${ }_{\$}^{\$}$ | $10,299,839.42$ <br> $3,856.244 .08$ | $10,299,839.42$ 33.556 .24 .08 |  | ${ }_{\text {22, }}^{22,07,659.63}$ | ${ }_{11}^{11.314,503,25} 1$ | ${ }^{33,522.162 .88} 77.51$ |  | 50,129,521.15 $99.698,367.95$ | $\xrightarrow{18,593,23.307}$ 26.976.545.11 | $68,722,744.22$ $126,674.913 .06$ | $\xrightarrow{21,845,696.87}$ 33,70.017.51 | 90,568,441.09 $160.380,930.57$ | ${ }_{\text {22,493,206.73 }}^{47,231.471 .17}$ | ${ }^{113,001,647,82}$ 207,612,401.74 | 22,416,129.97 $48.043,275.69$ |
| Actual Power Cost per Unit | sIMWh | \$25.08 | \$25.08 | s23.53 | s24.40 | \$17.87 | s22.47 | s25.01 | \$23.01 | s23.64 | \$23.14 | \$24.11 | s23.34 | s27.37 | \$24.15 | \$30.96 |
| Power costs Collected in rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Actual Sales Combines Rate (Recoverd in Rates) | SWWh | ${ }^{1,349,781}{ }_{24}$ | ${ }_{1,3849.781}^{\text {s2.86 }}$ | ${ }^{1,048,787}$ | ${ }_{\text {2, }}^{2,398.5688}$ | ${ }^{1,0093,387}$ | ${ }_{\text {che }}^{3,407.955}$ | ${ }^{924,860}$ | ${ }_{4}^{4,3328,815}$ | 1,140,933 | ${ }_{5,473,748}^{\text {s2i }}$ | 1,397.830 | ${ }_{\text {6, }}^{6,871.5788}$ | ${ }_{1,725.944}$ | ${ }^{8,597,522}$ | 1,551.576 |
| Combined Rate (Recoverd in Rates) Total Power Costs Coliected in Rates | SMMWh | ${ }_{33,555,555.66}^{\text {24.86 }}$ | ${ }_{33,555,55.66}^{\text {s24.86 }}$ | ${ }^{\text {s }}$ 26,1667.235.65 | ${ }_{\text {59,722, } 2 \text { 291.31 }}^{\substack{\text { a }}}$ | ${ }_{\text {S }}{ }_{25,042,89.1 .47}^{24.81}$ | ${ }_{84,765,682.78}^{\text {s24.87 }}$ | ${ }^{22,501,843.80}$ | ${ }_{107,267,526.58}^{\text {s24.76 }}$ |  | (35,402,934, 56 | ${ }_{35,910,255.70}^{25.69}$ | (71,313,187.06 ${ }^{\text {S24.93 }}$ | ${ }_{44,581,13,52}^{\text {25,.83 }}$ | ${ }^{215,894,325.58}$ | 20, 40,340,976.00 |
| CHANGE FROM FORECAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Actual Power Cost per Unit | \$MWh | \$25.08 | \$25.08 | \$23.53 | \$24.40 | \$17.87 | \$22.47 | \$25.01 | $\$_{23.01}$ | 523.64 | $\$ 23.14$ | $\$^{24.11}$ | 523.34 | ${ }^{527.37}$ | \$24.15 |  |
| Combined Rater (Recoverd in Rates) | \$/mwh | \$24.86 | ${ }_{\text {\$24.86 }}$ | \$24.95) | \$24.90 | \$24.81 | ${ }_{\text {s24.87 }}{ }^{\text {24, }}$ | ${ }_{\text {\$24.33 }}$ | ${ }^{\text {\$24.76 }}$ | \$24.66 | ${ }^{524.74}$ | \$25.69 | \$24.93 | \$25.83 |  | ${ }_{\$ 26200}$ |
| Actual lincrase (Decrease) Over Forecast Rate Deviaion fom Forecast | ssmwh |  | 300,688.42 | ${ }_{(1,489,131.00)}^{\text {(S1.42) }}$ | ${ }_{(1,188,424.58)}^{(50.50)}$ | ${ }_{(7,005,957.75)}^{(56.94)}$ | ${ }_{(8,194,382.33)}^{\text {(5820) }}$ | ${ }_{625,223.70}^{\text {ciob }}$ | ${ }_{(7,599,158.63)}^{(51.75)}$ | ${ }_{(1,158,8182.67)}^{(51.02)}$ | ${ }_{(8,728,021.30)}^{\text {(5..99) }}$ | (23.58) $(2,204,235.19)$ | ${ }_{(10,932,256.49)}^{\text {(51.59 }}$ | ${ }_{\text {2,650,337.65 }} 5$ | (8,281,918.84) | 7,702,299.69 |
| Oregon Allocation <br> Oregon Allocated Power Cost Deviation (before DB) | \% |  | $\begin{gathered} 4.69 \% \\ 13,951.94 \end{gathered}$ |  | $\begin{array}{r} 4.64 \% \\ (55,142.90) \end{array}$ |  | $\begin{array}{r} 4.64 \% \\ (380,219.34) \end{array}$ |  | $\begin{array}{r} 4.64 \% \\ (351,208.96) \end{array}$ |  | $\begin{array}{r} 4.64 \% \\ (404,980.19) \end{array}$ |  | $\begin{array}{r} 4.64 \% \\ (507,256.70) \end{array}$ |  | $\begin{array}{r} 4.64 \% \\ (384,281.03) \end{array}$ |  |
| Deadband - Over 250 Basis Points |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Deadband - Under 125 Basis Points | \$ |  | (1,559,477.87) |  | (1,559,447.87) |  | (1,55,447.87) |  | (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 |  | ${ }_{0}^{0.00}$ |  |
| OREGON DEFERRAL before sharing Portion of True-up Change Allowed | $\underset{\%}{\$}$ |  | $\begin{aligned} & 0.000 \\ & 900 \% \end{aligned}$ |  | 0.00 <br> 900 |  | $\begin{aligned} & 0.00 \\ & 90 \% \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 90 \% \end{aligned}$ |  | $\begin{aligned} & \begin{array}{c} 0.00 \\ 90 \% \end{array} \\ & \hline \end{aligned}$ |  | $\begin{aligned} & 0.00 \\ & 90 \% \end{aligned}$ |  | (0.00 |  |
| OREGON DEFERRAL W SHARING (90110) | s |  | 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\% |  | 757\% |  | 757\% |  |
| Interest Accrued to date | \$ |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  |
| Total Deferred Balance | s |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  |

2017 PCAM
Tweve Months Ended December 31, 2017


## Determination of Oregon PCAM Deadbands

## Based on Idaho Power 2017 Results of Operations

| (1) | Rate Base | Total System \$3,284,204,938 |  | $\begin{aligned} & \text { Oregon } \\ & \$ 142,328,822 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| (2) | \% Equity in cap structure | 53.382\% |  | 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) |


Oregon
Total Revenues
Deferral Revenues Allowed \$ ..... 6\% ..... 3,239,168
12 MOS ENDED DEC 2017
True-Up Balancing Account
Oregon kWh Forecast ..... 701,192,978
Estimated Collection (Refund) ..... \$
$(102,552)$
Intervenor Funding deferrals
Oregon Residential kWh Forecast ${ }^{1}$ ..... 192,406,240
Rate (cents per kWh) ..... 0.0003
Estimated Collection (Refund) ..... \$ ..... 61,183
Total Rate - Residential Service (cents per kWh) ..... 0.0002
Total Rate - All Other (cents per kWh) ..... (0.0001)1. June 1, 2018 - May, 31, 2019 test year.

