

May 15, 2015

# VIA ELECTRONIC FILING AND OVERNIGHT DELIVERY

Public Utility Commission of Oregon 3930 Fairview Industrial Dr. SE Salem, OR 97302

Attn: Filing Center

RE: UE 2014 Power Cost Adjustment Mechanism

PacifiCorp d/b/a Pacific Power (PacifiCorp) encloses one copy of its 2014 Power Cost Adjustment Mechanism (PCAM) filing. In Order No. 12-493, the Public Utility Commission of Oregon (Commission) approved a PCAM to allow the Company to recover the difference between actual net power costs (NPC) incurred to serve customers and the base NPC established in the Company's annual transition adjustment mechanism (TAM) filing. The amount recovered from or refunded to customers for a given year is subject to the following parameters:

- Asymmetrical Deadband. Any NPC difference between negative \$15 million and positive \$30 million will be absorbed by the Company.
- Sharing Band. Any NPC difference above or below the deadband will be shared 90 percent by customers and 10 percent by the Company.
- Earnings Test. If the Company's earned return on equity (ROE) is within plus or minus 100 basis points of the allowed ROE, there will be no recovery from or refund to customers.
- Amortization Cap. The amortization of deferred amounts are capped at six percent of the revenue for the preceding calendar year.

Included as Attachment A is a summary of the calculation of the Company's PCAM for calendar year 2014; additional descriptions of the calculation are provided below. Detailed workpapers supporting Attachment A are provided separately on the enclosed Confidential CD. For calendar year 2014, adjusted actual NPC were \$1.6 billion on a total-company basis, approximately \$154.4 million higher than the base NPC of \$1.45 billion established in the 2014 TAM (docket UE 264). On an Oregon-allocated basis, actual NPC exceeded base NPC by approximately \$36.1 million. After application of the deadband and sharing band, the Company would recover approximately \$5.5 million. Application of the earnings test, however, results in no recovery in the 2014 PCAM because the Company's earnings for calendar year 2014 are within 100 basis points of its authorized ROE. Attachment B shows the calculation of the Company's earned ROE for calendar year 2014.

<sup>&</sup>lt;sup>1</sup> Confidential workpapers are provided to the Commission under OAR 860-01-0070.

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# **PCAM Calculation**

On a monthly basis, actual NPC are compared to base NPC on a per-unit basis. Any differences in the system per-unit cost are multiplied by the actual megawatt hours of Oregon retail sales in that month to determine Oregon's share of any differential. The calculation uses the formula below:

 $(NPC_a \div Load_a) - (NPC_b \div Load_b) = System Per Unit Cost Differential$ 

System Per Unit Cost Differential × Load<sub>o</sub>+(SR<sub>a</sub>- SR<sub>b</sub>)=NPC Differential

Where:

NPC<sub>a</sub> =Total Company Adjusted Actual NPC (Excluding Situs Resources)

Load<sub>a</sub> = Actual System Retail Load

NPC<sub>b</sub> = Total Company Base NPC (Excluding Situs Resources)

Load<sub>b</sub> = Base System Retail Load

Load<sub>o</sub> = Actual Oregon Retail Load

SR<sub>a</sub> = Actual Situs Resource Value

SR<sub>b</sub> = Forecasted Situs Resource Value

The cumulative differential (under- or over-recovery) is first compared against the asymmetrical deadband. Cumulative amounts in excess of the asymmetrical deadband are then subject to the sharing band (90 percent customers, 10 percent company). Monthly balances accrue interest at the Company's authorized rate of return in Oregon for 2014. The final step is to apply the earnings test to determine if any amount is eligible for recovery from or refund to customers. To the extent earnings are within plus or minus 100 basis points of the authorized ROE, no recovery or refund is allowed under the approved PCAM design.

Actual NPC are compiled using amounts booked to FERC accounts 447, 501, 503, 547, 555, and 565, in a manner consistent with the calculation of NPC as modeled by the Company's Generation and Regulation Initiative Decision Tools model (GRID) in the Company's annual TAM filings. Actual NPC is adjusted to remove accounting entries booked that relate to operations before implementation of the PCAM in January 2014. The Company also adjusts actual NPC to reflect the ratemaking treatment of several items, including:

- Sacramento Municipal Utility District (SMUD) wholesale sales contract revenues;
- The exclusion of Rolling Hills wind farm from Oregon rates (consistent with UE 200);
- Reductions to coal costs for management overtime, 50 percent of management incentive compensation, and legal fees related to fines and citations;
- The true-up of energy returned to a third party to compensate for prior line losses;
- Buy-through of economic curtailment by interruptible industrial customers; and
- Revenue from a contract related to the Leaning Juniper wind resource.

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The PCAM includes a true-up of the value of energy from solar facilities procured to satisfy the solar capacity standard in ORS 757.370. Consistent with the Commission-approved 2010 Protocol inter-jurisdictional allocation methodology, these resources are situs-assigned to Oregon. Base NPC established in the TAM includes a situs credit for the value of the solar energy. In the PCAM, the actual value of the solar energy is compared to the prior forecast, and the difference is included in the balancing account. This treatment is necessary to ensure 100 percent of the energy benefits are assigned to Oregon customers, rather than allocated system-wide.

As described earlier, on an Oregon-allocated basis, actual NPC exceeded base NPC by approximately \$36.1 million. After application of the deadband, sharing band, and earnings test, no recovery from or refund to customers is necessary. Because Schedule 206, the Power Cost Adjustment Mechanism, is currently set at zero cents per kilowatt hour for all schedules, no change is required at this time.

If you have questions about this filing, please contact Erin Apperson, Manager of Regulatory Affairs, at (503) 813-6642.

Sincerely,

R. Bryce Dalley

Vice President, Regulation

CC: UE 287 Service List UE 263 Service List

**Enclosures** 

# CERTIFICATE OF SERVICE

I certify that I served a true and correct copy of PacifiCorp's 2014 Power Cost Adjustment Mechanism on the parties listed below via electronic mail and/or US mail in compliance with OAR 860-001-0180.

# SERVICE LIST UE 287

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Dated this 15<sup>th</sup> of May 2015.

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Coordinator, Regulatory Operations

# CERTIFICATE OF SERVICE

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Dated this 15<sup>th</sup> of May 2015.

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Amy Eissler

Coordinator, Regulatory Operations

# ATTACHMENT A

# POWER COST ADJUSTMENT MECHANISM CALCULATION

# Oregon Power Cost Adjustment Mechanism

January 1, 2014 - December 31, 2014

Attachment 1 - Power Cost Adjustment Mechanism Calculation

Actual: 1 Total Company NPC	(21)															Total
	(21)															
		\$	142,948,448 \$	138,183,504 \$	125,040,085 \$	117,008,512 \$	127.209.233 \$	135,751,515 \$	177,203,368 \$	152,764,124 \$	132,620,272 \$	113,099,293 \$	116,567,057 \$	124,660,849	\$	1,603,056,258
2 ActualRetailLoad	(4.1)		4,928,540	4,347,109	4,350,901	4,137,768	4,419,997	4,623,894	5,502,751	4,813,203	4,451,801	4,189,681	4,433,824	4,799,807		54,999,277
3 Total Company NPC \$/MWH	Line 1 / Line 2	\$	29.00 \$	31.79 \$	28.74 \$	28.28 \$	28.78 \$	29.36 \$	32.20 \$	31.74 \$	29.79 \$	26.99 \$	26.29 \$	25.97	\$	29.15
Base:																
4 NPC	(3.1)	\$	120,092,729 \$	109,252,514 \$	119,250,932 \$	110,924,981 \$	117,575,773 \$	117,548,846 \$	141,800,054 \$	140,061,445 \$	118,420,525 \$	117,215,746 \$	114,584,909 \$	121,913,562	\$	1,448,642,016
5 Base Retail Load	(4.1)		4,850,261	4,254,014	4,489,232	4,250,409	4,428,390	4,531,626	5,011,096	4,949,019	4,380,806	4,454,276	4,472,101	4,866,822		54,938,054
6 Base OR \$/MWh	Line 4 / Line 5	\$	24.76 \$	25.68 \$	26.56 \$	26.10 \$	26.55 \$	25.94 \$	28.30 \$	28.30 \$	27.03 \$	26.32 \$	25.62 \$	25.05	\$	26.37
7 NPC Differential \$/MWh	Line 3 - Line 6	\$	4.24 \$	6.11 \$	2.18 \$	2.18 \$	2.23 \$	3.42 \$	3.91 \$	3.44 \$	2.76 \$	0.68 \$	0.67 \$	0.92	\$	2.78
8 Oregon Retail Load	(4 1)		1,274,575	1,105,685	1,048,889	975,826	979,243	991,329	1,218,196	1,121,790	1,034,518	928,238	1,078,896	1,201,551		12,958,736
Deferral:																
9 Monthly NPC Differential - Above or (Below) Base	Line 8 * Line 7	\$	5,409,502 \$	6,750,466 \$	2,281,464 \$	2,127,973 \$	2,183,647 \$	3,389,389 \$	4,757,631 \$	3,856,386 \$	2,853,793 \$	630,642 \$	720,971 \$	1,107,979	\$	36,069,843
Situs Resource True-Up:																
10 Black Cap Actual	22	\$	(7,658) \$	(13,402) \$	(8,736) \$	(10,411) \$	(14,716) \$	(14,306) \$	(19,298) \$	(18,722) \$	(15,395) \$	(9,426) \$	(5,457) \$	(2,447)	\$	(139,975)
11 Black Cap Forecast	2013 TAM	\$	(4,538) \$	(7,825) \$	(8,056) \$	(10,830) \$	(11,000) \$	(11,928) \$	(19,657) \$	(19,252) \$	(15,694) \$	(10,619) \$	(6,422) \$	(5,498)	\$	(131,319)
12 Total Situs Resource True-Up	Line 10 - Line 11	\$	(3,120) \$	(5,577) \$	(679) \$	418 \$	(3,716) \$	(2,379) \$	359 \$	530 \$	298 \$	1,193 \$	965 \$	3,052	# \$	(8,656)
13 Total Monthly Differential - Above or (Below) Base	Line 9 + Line 12	\$	5,406,381 \$	6,744,889 \$	2,280,784 \$	2,128,391 \$	2,179,931 \$	3,387,010 \$	4,757,990 \$	3,856,916 \$	2,854,091 \$	631,835 \$	721,936 \$	1,111,031	\$	36,061,187
Cumulative Differential - Above or (Below) base		\$	5,406,381 \$	12,151,270 \$	14,432,054 \$	16,560,446 \$	18,740,377 \$	22,127,387 \$	26,885,377 \$	30,742,293 \$	33,596,385 \$	34,228,220 \$	34,950,156 \$	36,061,187		
<ul><li>15 Positive Deadband - ABOVE Base</li><li>16 Negative Deadband - BELOW Base</li></ul>	Order. 12-493 Order. 12-493	\$ \$	30,000,000 \$ (15,000.000) \$	30,000,000 \$ (15,000,000) \$	30,000,000 \$ (15,000,000) \$	30,000,000 \$ (15.000,000) \$	30,000,000 \$ (15,000,000) \$	30,000,000 \$ (15,000,000) \$			30,000,000 \$ (15,000,000) \$	30,000,000 \$ (15.000,000) \$	30,000,000 \$ (15,000,000) \$	30,000,000 (15,000,000)	\$ \$	30,000,000 (15,000,000)
17 Amount Deferrable - ABOVE Deadband		\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	742,293 \$	2,854,091 \$	631,835 \$	721,936 \$	1,111,031	\$	6,061,187
18 Amount Deferrable - BELOW Deadband		\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-	\$	-
19 Total Incremental Deferrable	Line 17 + Line 18	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	742,293 \$	2,854,091 \$	631,835 \$	721,936 \$	1,111,031	\$	6,061,187
20 Total Incremental Deferral After 90%/10% Sharing Band	Line 19 * 90%	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	668,064 \$	2,568,682 \$	568,651 \$	649,742 \$	999,928	\$	5,455,068
Energy Balancing Account:																
21 Monthly Interest Rate	Note 1		0.64%	0.64%	0.64%	0.64%	0.64%	0.64%	0,64%	0.64%	0.64%	0.64%	0.64%	0.64%		
22 Beginning Balance	Pnor Month Line 25	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	670,185 \$	3,251,281 \$	3,842,386 \$	4,518,594	\$	
23 Incremental Deferral	Line 20	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	668,064 \$	2,568,682 \$	568,651 \$	649,742 \$	999,928	\$	5,455,068
24 Interest	Line 21 * ( Line 22 + 50% x Line	\$	- \$	- \$	- \$	- \$	- \$	- \$	- S	2,121 \$	12,413 \$	22,454 \$	26,466 \$	31,872	\$	95,326
25 Ending Balance	23) ∑ Lines 2224	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$		3,251,281 \$	3,842,386 \$	4,518,594 \$	5,550,394	\$	5,550,394
Familian Test																
Earnings Test: 26 Earned Return on Equity	Attachment B															8,92%
26 Earned Return on Equity 27 Allowed Return on Equity	UE 246															9.80%
28 100bp ROE Revenue Requirement	OE 240														s	28,081,037
29 Allowed Deferral After Earning Test															\$	
30 Total Deferred															\$	-

Notes:

Note 1: 7.621% annual interst rate based on Oregon approved rate of return

# ATTACHMENT B RESULTS OF OPERATIONS DECEMBER 2014

# **PACIFICORP**

### State of Oregon

## Actual, Adjusted & Normalized Results of Operations - 2010 Protocol Results of Operations December 2014 - PCAM Earnings Test **EXCLUDING TYPE 1 ADJUSTMENTS FOR NORMALIZING HYDRO & WEATHER**

(b)

(a)

(c) (d) (e) **Total Adjusted** Remove Type 1 Actual Results Less Unadjusted Type 1 **Total Adjusted** Hydro & Weather Type 1 Hydro & Adjustments (2) **Actual Resits** Adjustments (3) Weather Adis Results (1) 1 Operating Revenues: (24,884,836) (2,778,690) 1,238,494,837 2 General Business Revenues 1,266,158,363 1,241,273,527 3 Interdepartmental 90,200,976 90,200,976 Special Sales 90,200,976 Other Operating Revenues (8,602,992) 36,961,232 36,961,232 5 45,564,224 6 **Total Operating Revenues** 1,401,923,563 (33,487,828) 1,368,435,735 (2.778,690) 1,365,657,045 7 8 Operating Expenses: 9 Steam Production 286.559.775 (367,447) 286,192,328 286,192,328 10 Nuclear Production 11 **Hydro Production** 10,326,456 10,326,456 10,326,456 (6,252,996) (1,619,234) 12 Other Power Supply 272,751,624 266,498,628 264,879,394 54,021.522 (33,181)53,988,341 13 Transmission 53.988.341 14 Distribution 69,296,095 69,296,095 69,296,095 15 **Customer Accounting** 30.993.551 30,993,551 30.993.551 16 (26,645,250) 3,378,250 3,378,250 **Customer Service** 30,023,500 17 Sales 32,610,711 18 **Administrative & General** 12,642,504 45,253,215 45,253,215 хx 19 (1,619,234) 764,307,630 Total O&M Expenses 786,583,234 (20,656,370) 765,926,864 хx Depreciation 20 178,835,906 28,006,461 206,842,367 206,842,367 21 Amortization 11.869.991 11.869.991 11.869.991 Taxes Other Than Income 67.197.241 67.197.241 67.197.241 22 23 Income Taxes - Federal 21,262,257 (11,134,983) 10,127,273 (387,008) 9,740,266 24 Income Taxes - State 5,247,564 (1,513,059) 3,734,505 (52,588) 3,681,917 Income Taxes - Def Net 62,344,093 25 62,528,578 (184,484)62,344,093 26 Investment Tax Credit Adi. 27 Misc Revenue & Expense 9,484 22,575 22,575 13,091 хx 28 (5,472,951) 1.128.064.911 (2.058.830) 1.126.006.081 Total Operating Expenses: 1.133.537.862 29 30 Operating Rev For Return: 268,385,701 (28,014,876) 240,370,824 (719,861) 239,650,964 31 32 33 **Electric Plant In Service** 6,769,117,520 (4,099,785) 6,765,017,735 6,765,017,735 34 Plant Held for Future Use 15.026.571 (15,026,571) 35 Misc Deferred Debits 128,532,809 (1,688,222) 126,844,587 126,844,587 36 Elec Plant Acq Adj 9,859,604 9,859,604 9,859,604 37 2.538.240 2.538.240 2,538,240 Pensions 38 Prepayments 9,461,514 9.461.514 9.461.514 39 **Fuel Stock** 52,004,802 52,004,802 52,004,802 40 **Material & Supplies** 61,805,737 61,805,737 61,805,737 41 Working Capital 21,476,245 (731,615) 20.744.630 (45,227) 20.699.403 42 Weatherization Loans (1,200)(1,200) (1,200) 43 Misc Rate Base xx 44 Total Electric Plant: (45,227)7,069,821,841 (21,546,193)7,048,275,648 7,048,230,421 45 46 Rate Base Deductions: 47 (2,335,368,960) (2,409,484,989) (2.409.484.989) **Accum Prov For Deprec** (74,116,029) 48 **Accum Prov For Amort** (149,279,637) (149,279,637) (149,279,637) 49 **Accum Def Income Tax** (1,075,085,400) 9,387,394 (1,065,698,006) (1,065,698,006) 50 **Unamortized ITC** (616,534) (616,534) (616,534) 1,613,973 51 **Customer Adv For Const** (7,273,842)(5,659,869)(5,659,869)52 **Customer Service Deposits** 53 Misc Rate Base Deductions (54,433,545) (54,433,545) (54,433,545) 54 55 **Total Rate Base Deductions** (3.622.057.917) (63,114,663) (3,685,172,580) (3,685,172,580) 56 57 **Total Rate Base:** 3,447,763,923 (84,660,855) 3,363,103,068 (45,227) 3,363,057,841 58 59 **Return on Rate Base** 7.784% 7.147% 7.126% ХX

10.190%

60

Return on Equity

-1.230%

8.961%

8.920%

<sup>(1)</sup> Unadjusted results do not include the impacts of accelerated Oregon Coal-Fired Steam Plant Depreciation and inclusion of Jim Bridger and Trapper Mine rate base additions which are included as Type 1 adjustments.

<sup>(2)</sup> Type 1 adjustments involve normalization for out of period historic and unusual items that occur during the test period.

<sup>(3)</sup> Column d reflects the removal of the adjustments for the normalization of loads and hydro conditions made in column b.