

Docket No. UE 263  
Exhibit PAC/1103  
Witness: C. Craig Paice

**BEFORE THE PUBLIC UTILITY COMMISSION  
OF OREGON**

**PACIFICORP**

---

**Exhibit Accompanying Direct Testimony of C. Craig Paice  
Ancillary Services Revenue Requirement**

**March 2013**

**PACIFICORP**  
**STATE OF OREGON**  
**Combined GRC and TAM**  
**CY 2012 Ancillary Services Revenue**  
**12 Months Ended December 31, 2014 Forecast**

Line	Item	Notes	Thermal Resource	Hydro Resource	Other Resource	Firm Purchases	Total Resources
1	System Resources CY 2014 ( MWh )	( Note 1 )	52,890,059	3,942,712	3,155,210	12,186,756	72,174,737
2	Plant allocated to Oregon based on JAM dollars	( Note 2 )	26.05%	26.05%	26.05%	26.05%	
3	Oregon share of Resource Providing Service by type (MWh)	( Line 1 x Line 2 )	13,779,448	1,027,195	822,083	3,175,016	18,803,741
4	Resource type % of total		73.28%	5.46%	4.37%	16.89%	100.00%
5	Oregon Retail Load, Including Losses, by resource type	(Line 4 x Line 5 Total)	10,772,358	803,030	642,679	2,482,132	14,700,200
6	FERC Tariff Ancillary Service Charges						
	Regulation and Frequency Response Service						
7	Billing Determinant (Load Energy MWh)		NA	NA	NA	NA	14,700,200
8	Charge (\$/MWh)		NA	NA	NA	NA	0.1600
9	Total Cost	( Line 8 x Line 9 )	NA	NA	NA	NA	\$2,352,032
	Operating Reserve - Spinning Reserve Service						
10	Billing Determinant (Generated Energy in MWh)		10,772,358	803,030	642,679	2,482,132	14,700,200
11	Charge (\$/MWh)		0.3730	0.2660	NA	NA	
12	Total Cost	( Line 11 x Line 12 )	\$4,018,090	\$213,606			\$4,231,696
	Operating Reserve - Supplemental Reserve Service						
13	Billing Determinant (Generated Energy in MWh)		10,772,358	803,030	642,679	2,482,132	14,700,200
14	Charge (\$/MWh)		0.3730	0.2660	NA	NA	
15	Total Cost	( Line 14 x Line 15 )	\$4,018,090	\$213,606			\$4,231,696
16	Oregon Annual Ancillary Service Revenue ( \$ x thousands )	Line 10 + Line 13 + Line 16)					\$10,815,423

Note 1 - Source :Net Power Cost Analysis

Note 2 - CY 2013 JAM Model

Total Electric Plant in Service by Plant Type (\$ x Millions)	Thermal	Hydro	Other	Total
Oregon	1,738.9	248.0	818.1	2,805.0
System	6,674.4	951.9	3,140.1	10,766.3
Percent of System	26.05%	26.05%	26.05%	26.05%

Account 555 Purchased Power - SG	Dollars
Oregon	154,020,272
System	591,180,527
Percent of System	26.05%

Production Plant	TOTAL	OTHER	OREGON
Total Steam Production Plant	6,674,370,926	4,935,496,961	1,738,873,965
Total Hydraulic Plant	951,860,271	703,872,100	247,988,172
Total Other Production Plant	<u>3,140,073,567</u>	<u>2,321,934,690</u>	<u>818,138,877</u>
TOTAL PRODUCTION PLANT	10,766,304,764	7,961,303,750	2,805,001,014