

Exhibit No.\_\_\_\_(GND-8)  
Docket UE-130043  
Witness: Gregory N. Duvall

**BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,

Complainant,

v.

PACIFICORP d/b/a  
Pacific Power & Light Company

Respondent.

Docket UE-130043

**PACIFICORP**

**EXHIBIT OF GREGORY N. DUVALL**

**NPC Report**

**August 2, 2013**

PacificCorp  
12 months ended December 2014  
\_WA GRC CY2014 WCA Rebuttal NPC Study 2013 07 24

	01/14-12/14	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
Net Power Cost Analysis													
\$													
<b>Special Sales For Resale</b>													
Long Term Firm Sales	12,964,800	1,246,900	1,461,500	965,700	839,900	1,061,900	936,100	1,894,400	2,564,100	1,790,800	173,900	29,600	-
SMUD s24296	12,964,800	1,246,900	1,461,500	965,700	839,900	1,061,900	936,100	1,894,400	2,564,100	1,790,800	173,900	29,600	-
Total Long Term Firm Sales													
Short Term Firm Sales													
Mid Columbia	648,225	196,718	198,000	253,507	-	-	-	-	-	-	-	-	-
Electric Swaps Sales	830,597	69,216	69,216	69,216	69,216	69,216	69,216	69,216	69,216	69,216	69,216	69,216	69,216
STF Trading Margin	1,478,822	265,934	267,216	322,723	69,216	69,216	69,216	69,216	69,216	69,216	69,216	69,216	69,216
Total Short Term Firm Sales													
System Balancing Sales	47,703,958	4,811,969	3,079,790	2,795,330	2,254,927	2,011,210	2,011,210	5,310,462	6,043,310	5,915,648	4,159,431	4,557,473	5,056,468
COB	7,378,697	313,829	371,778	402,850	89,241	9,231	27,270	974,831	1,219,053	1,287,722	1,450,938	840,653	391,302
Mid Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
NOB	-	-	-	-	-	-	-	-	-	-	-	-	-
Trapped Energy	-	-	-	-	-	-	-	-	-	-	-	-	-
Total System Balancing Sales	55,082,695	5,125,798	3,451,568	3,198,179	2,344,168	1,717,193	2,038,479	6,285,313	7,262,363	7,203,369	5,610,369	5,398,126	5,447,770
<b>Total Special Sales For Resale</b>	69,526,317	6,638,632	5,180,284	4,486,603	3,253,284	2,848,309	3,043,796	8,248,930	9,895,680	9,063,386	5,653,485	5,496,942	5,516,986

**WA GRC CY2014 WCA Rebuttal NPC Study\_2013 07 24**

	Net Power Cost Analysis														
	12 months ended	December 2014	01/14-12/14	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
<b>Purchased Power &amp; Net Interchange</b>															
Long Term Firm Purchases															
BPA Reserve Purchase															
Combine Hills Wind p160695				451,980	294,619	522,422	367,719	341,548	411,179	394,476	391,346	372,946	400,392	446,527	325,870
Douglas PUD Settlement p38185				55,627	62,347	121,567	207,247	259,427	298,684	206,309	107,059	62,768	71,201	63,093	64,482
Georgia-Pacific Camas				679,956	614,153	679,956	658,022	679,956	658,022	679,956	679,956	658,022	679,956	658,022	679,956
Hermiston Purchase p89663				8,053,976	7,509,167	7,170,933	3,632,983	3,563,858	3,544,478	7,141,383	8,230,808	7,891,700	8,230,808	8,360,056	8,576,833
PG&E Coye p83984				26,927	26,927	26,927	26,927	26,927	26,927	26,927	26,927	26,927	26,927	26,927	26,927
Small Purchases west															
West Valley Toll															
Long Term Firm Purchases Total				9,268,465	8,507,211	8,521,805	4,892,907	4,861,715	4,939,289	8,449,050	9,436,136	9,012,361	9,458,887	9,554,625	9,664,068
Seasonal Purchased Power															
Constellation 2013-2016															
Seasonal Purchased Power Total															
Qualifying Facilities															
OF California				6,472,627	666,043	745,821	942,805	956,414	739,726	357,311	270,312	251,208	253,853	278,976	412,678
OF Oregon				26,167,663	2,194,661	2,561,989	2,885,203	3,074,569	2,653,362	2,265,199	2,135,968	2,186,191	2,000,004	1,754,787	2,104,840
OF Washington				268,350	752	752	5,205	21,485	43,385	60,219	64,877	51,789	17,632	752	752
Biomass One OF				15,516,528	1,377,264	1,377,264	1,338,931	900,400	1,330,841	1,377,265	1,377,265	1,109,553	1,387,312	1,318,590	1,373,190
Butler Creek Wind OF															
DOFP p316701 OF				47,128	991	3,191	2,579	10,738	9,866	1,678	1,626	2,599	5,874	4,304	2,162
Evergreen BioPower p351030 QF				2,682,014	195,953	191,475	200,081	223,997	174,525	213,861	267,963	267,963	307,378	226,040	175,869
OM Power I Geothermal QF				4,010,196	387,630	383,340	341,740	331,705	283,772	255,303	264,429	301,315	357,096	370,301	366,415
Oregon Wind Farm OF				11,236,435	655,187	720,731	1,128,154	1,146,148	1,318,549	1,348,624	1,034,025	837,252	856,685	986,500	345,624
Threemile Canyon Wind OF p500133				2,001,131	146,119	171,927	160,564	205,144	188,632	168,163	168,506	158,344	184,671	142,936	151,005
Qualifying Facilities Total				70,482,093	5,530,087	6,354,428	7,005,250	6,870,801	6,742,677	6,047,622	5,584,969	5,166,212	5,370,503	5,083,185	4,952,834
Mid-Columbia Contracts															
Douglas - Wells p60828				3,579,232	296,741	296,741	296,741	296,741	296,741	296,741	296,741	301,325	301,325	301,325	301,325
Grant Reasonable				(5,509,783)	(459,149)	(459,149)	(459,149)	(459,149)	(459,149)	(459,149)	(459,149)	(459,149)	(459,149)	(459,149)	(459,149)
Grant Surplus p258951				1,841,467	153,456	153,456	153,456	153,456	153,456	153,456	153,456	153,456	153,456	153,456	153,456
Mid-Columbia Contracts Total				(89,084)	(8,952)	(8,952)	(8,952)	(8,952)	(8,952)	(8,952)	(8,952)	(4,368)	(4,368)	(4,368)	(4,368)
Total Long Term Firm Purchases				166,959,528	15,033,236	14,867,281	11,889,206	11,723,365	11,673,014	14,487,720	15,012,153	14,174,206	14,825,022	14,633,442	14,612,534
Storage & Exchange															
Cowitz Swift p65787															
SCL Slate Line p105228															
Total Storage & Exchange															
Short Term Firm Purchases															
Mid-Columbia				899,640			287,280	309,960	302,400						
STF Electric Swaps				3,261,562	267,048	481,650	722,280	1,092,836	1,229,100	29,796	(491,088)	(114,450)	167,994	(48,960)	(267,852)
Total Short Term Firm Purchases				4,161,222	267,048	481,650	1,009,560	1,402,896	1,531,500	29,796	(491,088)	(114,450)	167,994	(48,960)	(267,852)
System Balancing Purchases															
COB				1,322,680	76,222	553,298	431,335	77,765	31,173	62,326		188	17,268	67,951	
Mid-Columbia				53,026,411	3,303,770	2,944,222	8,567,169	10,492,791	6,440,977	3,348,668	4,170,365	1,678,095	916,846	2,271,604	3,930,421
NOB				9,700				9,700							
Emergency Purchases				910				910							
Total System Balancing Purchases				54,369,701	3,379,992	3,497,521	8,998,504	10,581,166	6,472,150	3,410,994	4,170,365	1,678,282	934,114	2,339,555	3,930,421
<b>Total Purchased Power &amp; Net Inte</b>				225,480,451	20,193,002	17,675,387	21,897,270	23,707,427	19,676,665	17,928,510	18,691,430	15,738,038	15,927,130	16,924,037	18,275,104

**WA GRC CY2014 WCA Rebuttal NPC Study\_2013 07 24**

	Net Power Cost Analysis												
	01/14-12/14	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
<b>12 months ended December 2014</b>													
<b>Wheeling &amp; U. of F. Expense</b>													
Firm Wheeling	108,256,380	9,166,950	9,237,679	8,991,731	9,060,211	8,927,493	8,979,285	8,944,800	8,882,531	8,841,834	8,990,631	9,088,937	9,124,298
ST Firm & Non-Firm													
<b>Total Wheeling &amp; U. of F. Expense</b>	<b>108,256,380</b>	<b>9,166,950</b>	<b>9,237,679</b>	<b>8,991,731</b>	<b>9,060,211</b>	<b>8,927,493</b>	<b>8,979,285</b>	<b>8,944,800</b>	<b>8,882,531</b>	<b>8,841,834</b>	<b>8,990,631</b>	<b>9,088,937</b>	<b>9,124,298</b>
<b>Coal Fuel Burn Expense</b>													
Coisrip	7,641,963	679,256	613,524	679,264	657,345	412,598	566,246	679,256	679,264	657,345	679,256	657,353	679,256
Jim Bridger	196,772,028	16,971,541	15,640,980	16,737,647	13,750,814	12,059,368	11,915,188	18,026,523	18,924,780	17,923,885	18,699,975	17,942,960	18,783,356
Ramp Loss	(167,213)	(14,357)	(16,293)	(14,082)	(15,134)	(22,680)	-	(13,640)	(11,671)	(7,276)	(18,642)	(17,179)	(16,059)
<b>Total Coal Fuel Burn Expense</b>	<b>204,246,779</b>	<b>17,636,440</b>	<b>16,238,221</b>	<b>17,402,829</b>	<b>14,393,025</b>	<b>12,449,286</b>	<b>12,483,435</b>	<b>18,692,139</b>	<b>19,532,373</b>	<b>18,573,954</b>	<b>19,360,389</b>	<b>18,583,134</b>	<b>18,841,553</b>
<b>Gas Fuel Burn Expense</b>													
Chehalis	43,544,083	4,526,760	2,561,997	206,021	-	-	-	4,761,139	6,843,841	6,843,868	6,323,476	5,745,287	5,731,705
Curran Creek	-	-	-	-	-	-	-	-	-	-	-	-	-
Gatsby	-	-	-	-	-	-	-	-	-	-	-	-	-
Gatsby, CT	-	-	-	-	-	-	-	-	-	-	-	-	-
Hermiston	31,099,901	3,607,528	3,163,141	2,747,764	86,246	-	-	2,795,013	3,865,027	3,587,492	3,560,480	3,698,634	3,669,558
Lake Side	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake Side II	-	-	-	-	-	-	-	-	-	-	-	-	-
Naughton - Gas	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Gas Fuel Burn</b>	<b>74,643,984</b>	<b>8,134,288</b>	<b>5,745,138</b>	<b>2,953,804</b>	<b>86,246</b>	<b>-</b>	<b>7,556,151</b>	<b>10,708,867</b>	<b>10,431,360</b>	<b>9,883,956</b>	<b>9,443,920</b>	<b>9,443,920</b>	<b>9,700,263</b>
Gas Physical	-	-	-	-	-	-	-	-	-	-	-	-	-
Gas Swaps	9,087,452	1,199,654	1,089,760	1,229,445	-	-	-	903,790	875,967	826,785	1,067,857	979,230	914,965
<b>Total Gas Fuel Burn Expense</b>	<b>101,204,806</b>	<b>10,813,500</b>	<b>8,193,883</b>	<b>5,662,807</b>	<b>1,525,613</b>	<b>1,479,558</b>	<b>1,439,387</b>	<b>9,939,499</b>	<b>13,064,392</b>	<b>12,697,512</b>	<b>12,431,371</b>	<b>11,862,518</b>	<b>12,094,786</b>
<b>Other Generation</b>													
Wind Integration Charge	676,249	53,563	48,048	69,797	57,453	60,448	65,595	62,747	56,630	50,123	53,847	54,457	45,543
<b>Total Other Generation</b>	<b>676,249</b>	<b>53,563</b>	<b>48,048</b>	<b>69,797</b>	<b>57,453</b>	<b>60,448</b>	<b>65,595</b>	<b>62,747</b>	<b>56,630</b>	<b>50,123</b>	<b>53,847</b>	<b>54,457</b>	<b>45,543</b>
<b>Net Power Cost</b>	<b>570,340,348</b>	<b>51,224,822</b>	<b>46,212,934</b>	<b>46,487,013</b>	<b>43,700,288</b>	<b>43,775,903</b>	<b>39,600,550</b>	<b>47,318,765</b>	<b>50,391,677</b>	<b>46,838,075</b>	<b>50,909,883</b>	<b>51,016,140</b>	<b>52,864,297</b>
<b>Net Power Cost/Net System Load</b>	<b>28.54</b>	<b>27.04</b>	<b>28.40</b>	<b>27.58</b>	<b>28.16</b>	<b>28.07</b>	<b>25.42</b>	<b>27.82</b>	<b>29.81</b>	<b>30.23</b>	<b>31.96</b>	<b>30.44</b>	<b>27.89</b>