BEFORE THE PUBLIC UTILITY COMMISSION OF THE STATE OF OREGON

PACIFICORP

2008 TRANSITION ADJUSTMENT MECHANISM (TAM)

Direct Testimony and Exhibits

April 2007

100 Kelly Testimony

Case UE-
Exhibit PPL/100
Witness: Andrea L. Kelly

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Direct Testimony of Andrea L. Kelly

POLICY

April 2007

Q. Please state your name, business address and present position with PacifiCorp, dba Pacific Power & Light Company (the Company).

A. My name is Andrea L. Kelly. My business address is 825 NE Multnomah St., Suite 2000, Portland, OR 97232. I am employed by PacifiCorp as Vice President of Regulation.

Qualifications

Q. Briefly describe your education and business experience.

A. I hold a Bachelor's degree in Economics from the University of Vermont and an MBA in Environmental and Natural Resource Management from the University of Washington. After graduate school, I joined the Staff of the Washington Utilities and Transportation Commission. In 1995, I became employed by PacifiCorp as a Senior Pricing Analyst in the Regulation Department and advanced through positions of increasing responsibility. From 1999 to 2005, I led major strategic projects at PacifiCorp including the Multi-State Process (MSP) and the regulatory approvals for the MidAmerican-PacifiCorp transaction. In March 2006, I was appointed Vice President of Regulation.

Q. Have you appeared as a witness in previous regulatory proceedings?

A. Yes. I have appeared as a witness on behalf of PacifiCorp in the states of Oregon, Idaho, Utah, Washington and Wyoming. In addition, I sponsored testimony in various proceedings as a member of the Washington Commission Staff.

Purpose of Testimony

Q. What is the purpose of your testimony in this proceeding?

A. The purpose of my testimony is to present an overview of PacifiCorp's 2008

Transition Adjustment Mechanism (TAM) filing and net power costs update. Specifically, my testimony:

- Summarizes the purpose and contents of the filing,
- Explains how the filing comports with previous Commission orders and the all-party stipulation in PacifiCorp's most recent general rate case, Docket UE 179,
- Describes, at a high level, the calculation of the Transition Adjustment and the amount of the change in net power costs for the forecast test period, calendar year 2008, on an Oregon-allocated basis,
- Explains the updated allocation factors used to determine Oregon's allocated share, and
- Introduces the Company's other witnesses.

Summary of PacifiCorp's 2008 TAM Filing

Q. Why is the Company making this filing?

A. The Commission's final order, Order No. 05-1050, in Docket UE 170 adopted PacifiCorp's permanent TAM. PacifiCorp's approved TAM uses PacifiCorp's GRID model to set the Transition Adjustment for direct access through an annual power cost filing and a series of updates to reset rates. Pursuant to the Commission's order in UE 170, the Company's annual power cost filing is due each April. The Company is submitting the current filing in compliance with that order.

Q. How does this filing comport with previous Commission orders?

A. PacifiCorp's TAM, as adopted by the Commission, requires PacifiCorp's annual

TAM filing and net power cost update to include testimony and exhibits providing PacifiCorp's estimated net power costs, the Transition Adjustment calculation, and GRID model updates. Specifically, the net power cost estimate incorporates the following updates: (1) forward price curve; (2) forecast loads; (3) normalized hydro generation; (4) forecast fuel prices; (5) contract updates; (6) heat rates, planned outages, and de-rates; (7) wheeling expenses; (8) new resource acquisitions; and (9) state allocation factors. Additionally, the testimony must include an explanation of the primary drivers of variations in net power costs since the last approved filing, a comparison of existing and estimated customer rates, and a review of PacifiCorp's compliance with prior Commission orders. Each of these elements is included in this filing, or in the case of the actual Transition Adjustment calculation, will be filed when the information is available.

Q. Does this filing comply with the settlement in the Company's most recent general rate case?

A. Yes. The stipulation agreed upon by the parties in Docket UE 179 and approved by the Commission in Order No. 06-530 included agreement to an Oregon-allocated cap on the net power cost update of $10 million for the 2007 TAM. It did not cap or otherwise alter the calculation of the Transition Adjustment or net power cost update for years subsequent to 2007. In addition, while the settlement included a general rate case stay-out through September 2007, it specifically excluded the Company's 2007 filing for its 2008 TAM from this stay-out.

Schedule of Filings

Q. Please describe the schedule of PacifiCorp filings for the Transition Adjustment in this case.

A. As adopted in Order 05-1050, the Company's annual Transition Adjustment filing and net power cost update includes additional filings in July, October and November. Mr. Widmer's testimony describes the items that will be addressed in the additional filings. The Company expects that the exact dates for these filings, as well as other procedural milestones, will be determined by the Commission at the scheduling hearing in this proceeding.

2008 TAM Calculation and Net Power Cost Update

Q. Please summarize briefly PacifiCorp's Transition Adjustment calculation.

A. At the highest level, PacifiCorp's TAM is the difference between the weighted market value of the energy previously used to serve Direct Access customers and the cost of service rate under the customers' specific, energy-only tariff schedules. To determine the value of the energy previously used to serve departing customers, PacifiCorp runs two studies using its GRID model for each customer class. The base study optimizes PacifiCorp's system with the full expected load for the next calendar year. The second study re-optimizes the system with a 25 MW reduction in Oregon load. PacifiCorp then compares the two studies to determine the weighted market value of the energy associated with departing Direct Access load. Any variance greater than $250,000 between the assumed 25 MW and the actual amount of Direct Access participation is captured through a balancing account.

Q. What is the estimated amount of the increase in net power costs upon which the Transition Adjustment will be based for calendar year 2008?

A. On an Oregon-allocated basis, the Company's forecasted normalized net power costs for calendar year 2008 are approximately $253 million. This is approximately $36 million higher than the net power costs in Oregon rates for 2007. As explained in Ms. Ridenour's testimony, this would result in an overall increase to net rates of approximately 3.9 percent.

Update of Inter-jurisdictional Allocation Factors

Q. Has the Company used updated Oregon allocation factors in its TAM filing?

A. Yes. The estimate of net power costs reflects changes in the Company's retail loads and resources. Given these changes, it is necessary to update inter-jurisdictional allocation factors in order to properly allocate system-wide net power costs.

Q. What is the effect of updating the allocation factors in connection with this filing?

A. The use of updated allocation factors significantly reduces the level of the power cost increase allocated to Oregon. Without this update to the allocation factors, Oregon's TAM increase for 2008 would be approximately $9 million higher.

Q. Please describe Exhibit PPL/101.

A. Exhibit PPL/101 is a table titled "Allocated NPC to Oregon for TAM." The table shows: (1) total Company net power costs by account for sales for resale, purchased power, wheeling expense and fuel expense for UE 179 and for calendar year 2008; (2) the allocation factors used in UE 179 and the updated allocation factors for calendar year 2008; and (3) the Oregon-allocated net power costs for each account category based on the allocation factors used in UE 179 and the factors for calendar year 2008.

Introduction of Witnesses

Q. Please list the Company witnesses and provide a brief explanation of the witnesses' testimony.

A. The other Company witnesses filing direct testimony are:

Mark T. Widmer, Director, Net Power Costs, presents the Company's proposed 2008 TAM net power costs. He describes the primary drivers of variations in net power costs since UE 179, the general operation of the GRID model, and the updates to the model included in GRID version 6.1. Mr. Widmer also sponsors the model outputs.

Judith M. Ridenour, Senior Analyst, Pricing & Cost of Service, presents the Company's proposed prices and tariffs and provides a comparison of existing and estimated customer rates.

Q. Does this conclude your direct testimony?

A. Yes.

Case UE-
Exhibit PPL/101
Witness: Andrea L. Kelly

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Exhibit Accompanying Direct Testimony of Andrea L. Kelly

ALLOCATED NPC TO OREGON FOR TAM

April 2007

Allocated NPC to Oregon for TAM

		TOTAL COMPANY			FACTOR		OREGON	
	ACCOUNT	UE-179	CY 2008		UE-179	CY 2008	UE-179	CY 2008
Sales for Resale								
Existing Firm PPL	447	23,123,175	23,110,642	SG	26.628%	25.977%	6,157,211	6,003,550
Existing Firm UPL	447	26,117,156	26,154,379	SG	26.628%	25.977%	6,954,444	6,794,234
Post-Merger Firm	447	1,094,616,116	1,318,759,054	SG	26.628%	25.977%	291,473,037	342,579,648
Non-Firm	447	-	-	SE	26.173%	25.465%	-	-
Total Sales for Resale		1,143,856,447	1,368,024,075				304,584,692	355,377,432
Purchased Power								
Existing Firm Demand PPL	555	63,649,124	76,033,224	SG	26.628%	25.977%	16,948,411	19,751,474
Existing Firm Demand UPL	555	47,595,741	49,730,218	SG	26.628%	25.977%	12,673,736	12,918,630
Existing Firm Energy	555	78,021,182	83,752,187	SE	26.173%	25.465%	20,420,221	21,327,820
Post-merger Firm	555	947,713,159	1,074,187,128	SG	26.628%	25.977%	252,355,897	279,046,159
Secondary Purchases	555	-	-	SE	26.173%	25.465%	-	-
Seasonal Contracts	555	44,235,280	9,221,790	SSGC	23.825%	23.563%	10,539,251	2,172,918
Total Purchased Power		1,181,214,486	1,292,924,547				312,937,516	335,217,001
Wheeling Expense								
Existing Firm PPL	565	42,039,735	34,426,827	SG	26.628%	25.977%	11,194,289	8,943,203
Existing Firm UPL	565	198,710	157,430	SG	26.628%	25.977%	52,912	40,896
Post-merger Firm	565	48,368,652	72,828,352	SG	26.628%	25.977%	12,879,545	18,918,931
Non-Firm	565	446,477	307,719	SE	26.173%	25.465%	116,855	78,362
Total Wheeling Expense		91,053,574	107,720,328				24,243,602	27,981,392
Fuel Expense								
Fuel Consumed - Coal	501	447,180,849	489,930,407	SE	26.173%	25.465%	117,039,135	124,762,683
Fuel Consumed - Gas	501	10,766,277	23,414,773	SE	26.173%	25.465%	2,817,821	5,962,663
Steam from Other Sources	503	4,879,874	4,429,953	SE	26.173%	25.465%	1,277,193	1,128,105
Natural Gas Consumed	547	165,059,567	371,316,268	SE	26.173%	25.465%	43,200,484	94,557,131
Simple Cycle Combustion Turbines	547	34,791,053	28,436,425	SSECT	25.738%	23.496%	8,954,668	6,681,432
Cholla / APS Exchange	501	48,262,912	52,849,931	SSECH	26.731%	23.496%	12,901,207	12,417,638
Total Fuel Expense		710,940,533	970,377,757				186,190,508	245,509,651
Impact of Cap in UE-179		(4,952,146)		/1	26.400%		(1,307,380)	
Net Power Cost		834,400,000	1,002,998,558				217,479,553	253,330,612
						Difference from UE-179:		**35,851,059**

Note:
/1 weighted 50%SG / 50%SE: (26.628% + 26.173%)/2

Case UE-
Exhibit PPL/200
Witness: Mark T. Widmer

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Direct Testimony of Mark T. Widmer

NET POWER COSTS

April 2007

Q. Please state your name, business address and present position with PacifiCorp, dba Pacific Power and Light Company (the Company).

A. My name is Mark T. Widmer, my business address is 825 NE Multnomah St., Suite 600, Portland, Oregon 97232, and my present title is Director, Net Power Costs.

Qualifications

Q. Briefly describe your education and business experience.

A. I received an undergraduate degree in Business Administration from Oregon State University. I have worked for PacifiCorp since 1980 and have held various positions in the power supply and regulatory areas. I was promoted to my present position in September 2004.

Q. Please describe your current duties.

A. I am responsible for the coordination and preparation of net power cost and related analyses used in retail price filings. In addition, I represent PacifiCorp on power resource and other various issues with intervenor and regulatory groups in the six state regulatory commissions which have jurisdiction over PacifiCorp.

Summary of Testimony

Q. Will you please summarize your testimony?

A. I present the Company's proposed 2008 Transition Adjustment Mechanism (TAM) net power costs. In addition, my testimony:

- Describes the primary drivers of the increase in the Company's net power costs.
- Describes the Generation and Regulation Initiatives Decision Tools (GRID)

model and the updates to it used to calculate the net power costs in this filing.

- Sponsors as an exhibit the GRID model Net Power Cost report that supports this filing.

Net Power Cost Results and Primary Cost Drivers

Q. What are the forecasted normalized system-wide net power costs for the test period?

A. The Company's total forecasted normalized system-wide net power costs for the test period (12 months ended December 31, 2008) are approximately $1.002 billion.

Q. How do the 2008 system-wide net power costs compare with the level currently included in rates?

A. The Company's 2008 system-wide net power costs are approximately $168 million higher than the $834 million included in current rates through the 2007 TAM.

Q. What are the primary drivers of the increase in net power costs?

A. The five primary drivers of the cost increases are higher coal prices, higher gas costs, the expiration of the 2007 TAM cap, expiring purchase power contracts and system load growth.

Q. Please explain PacifiCorp's coal fuel price increases.

A. The coal price increases at our generation facilities are being driven by a variety of factors, including normal increases in contract price indices and the impact of contract re-openers, market price increases for Powder River Basin coal, the acquisition of higher-priced compliance coal necessary to meet environmental standards, and increases in union labor costs.

Q. Have coal costs been increasing throughout the electric utility industry?

A. Yes. The *Fall 2006 Long-Term Outlook For Coal and Competing Fuels* report from Energy Ventures Analysis found:

> On the supply side, there has been a step increase in production costs. Declining productivity is responsible for much of the increase. Declining productivity has been caused by such factors as the high market price, deteriorating reserve conditions, and the introduction of new, inexperienced workers. Other factors have also contributed to higher costs such as higher labor costs, higher supply costs, and higher costs for safety compliance, bonding, permitting, mineral and insurance. While some of these factors are expected to moderate with a return to market equilibrium, the stark reality is that the floor in coal prices has substantially increased.

Q. Please explain the sources of the increase in PacifiCorp's gas costs.

A. Gas prices have generally trended sharply upward over the last several years, but they remain volatile, with price spikes and price softening. This makes hedging to manage extreme gas price changes an important risk mitigation tool. PacifiCorp's gas costs reflect market prices, plus cost increases or decreases to reflect PacifiCorp's hedged position. In PacifiCorp's 2007 TAM, PacifiCorp's hedged position decreased its gas costs; PacifiCorp's 2008 TAM reflects gas costs that are somewhat higher because of PacifiCorp's hedged position. PacifiCorp's gas costs for 2007 were hedged before Hurricane Katrina-related market price increases; PacifiCorp's 2008 natural gas costs were hedged after the market volatility caused by Hurricane Katrina.

Q. How was the level of net power costs for 2007 impacted by the $10 million cap on the 2007 TAM increase?

A. Absent the cap, which applied only to the 2007 TAM, total system net power costs for 2007 would have been approximately $40 million higher based upon the updates contained in PacifiCorp's final 2007 TAM filing. Thus, when comparing the magnitude of the 2008 net power cost forecast of $1.002 billion with the 2007 TAM of $834.4 million, it is important to keep in mind the additional $40 million of 2007 net power costs that were not recovered through the 2007 TAM.

Q. Why do expiring purchase power contracts increase net power costs?

A. The Company's purchase power contracts generally reflect wholesale electric market prices at the time they were executed. As wholesale electric market prices increase, the cost of replacement power increases when a contract expires. PacifiCorp's 2008 TAM reflects the impact of the expiration of various contracts, including the 400 MW TransAlta contract, and the increased costs of replacement power associated with these expiring contracts.

Q. How does increased demand impact the Company's 2008 power costs?

A. This filing reflects an increase of 2.8 percent over loads currently reflected in rates. As explained by Ms. Kelly, however, the impact of load growth on this filing is mitigated by application of updated allocation factors which reduce Oregon's proportionate share of system power costs.

Q. Are the cost increases in PacifiCorp's 2008 TAM partially offset by the inclusion of the relatively low variable costs from a new thermal plant expected to be in service during the test period?

A. Yes. The 2008 net power costs reflect the addition of the 525 MW Lakeside combined cycle combustion turbine ("CCCT") facility which is expected to be fully in service by the end of June 2007. The capital costs of this facility were not included in the Company's last general rate case because it was not in service at the start of the rate period. Therefore, Oregon customers will only pay the relatively low variable costs associated with this resource until the capital costs of the resource are included in rates in the Company's next general rate case.

Q. Are the cost increases in PacifiCorp's 2008 TAM partially offset by the inclusion of the variable costs from renewable energy facilities expected to be in service during the test period?

A. Yes. The net power costs include forecasted kWh output of 56 MW Goodnoe West and 56 MW Goodnoe East wind generation facilities located in Oregon, which will be in service December 2007, and the 140 MW Marengo wind generation facility located in Washington, which is presently expected to be in service July 2007. The net power costs also continue to include the forecasted output of the 100 MW Leaning Juniper wind facility that came on line in Fall 2006. Because PacifiCorp owns the wind facilities, the variable cost of the kWh included in the net power costs is zero. Thus, customers will be receiving the benefits of these zero cost kWhs via the TAM. If additional renewable resources are acquired and expected to be in-service prior to the start of the test year, the

Company will update its net power costs estimates to include these resources as contemplated by the TAM methodology.

Q. Are customers paying any of the capacity or fixed costs of the 877 MW from these new thermal and renewable energy facilities?

A. No, the capacity and fixed costs of ownership of these facilities have not yet been included in rates and are not currently being recovered through the TAM or other adjustment mechanism. This creates a mismatch of costs and benefits.

Q. Please describe the process for updating net power cost estimates in the remainder of this proceeding.

A. At the end of July, the Company will file to update net power costs to reflect: (1) the current forward price curve, (2) new contracts and/or updates for wholesale sales, purchases, fuel and wheeling expenses. In October, prior to the posting of indicative prices, the Company will update net power costs to reflect changes to Commission-ordered net power costs, the current forward price curve, new contracts and/or updates for wholesale sales, purchases, fuel and wheeling expenses through September 15. In November, just prior to the direct access open enrollment window, the Company will produce a final GRID study incorporating its most recent forward price curve. This final GRID study will establish the Transition Adjustment and total Company net power costs for calendar year 2008.

Determination of Net Power Costs Using GRID Version 6.1

Q. Please explain net power costs.

A. Net power costs are defined as the sum of fuel expenses, wholesale purchase power expenses and wheeling expenses, less wholesale sales revenue.

Q. Please explain how the Company calculates net power costs.

A. Net power costs are calculated for a future test period based on projected data using the GRID model. For each hour in the forecast period the model simulates the operation of the power supply portion of the Company under a variety of stream flow conditions. The results obtained from the various stream flow conditions are averaged and the appropriate cost data is applied to determine an expected net power cost under normal stream flow and weather conditions for the forecast period.

Q. Is the Company's general approach to the calculation of net power costs using the GRID model the same in this case as in previous cases?

A. Yes. The Company has used the GRID model in its last several rate case filings in Oregon. My testimony in the Company's last general rate case, Oregon Docket UE 179, includes an extensive explanation of the GRID model, the inputs used to develop net power costs and the model output. Because none of this general background on the GRID has changed since UE 179, instead of including GRID background testimony in this case, I will refer parties who are interested in this background to my previous testimony in UE 179.

Q. Is the Company using an updated version of the GRID model as compared to Oregon Docket UE 179?

A. Yes. In advance of this filing, the Company notified the Industrial Customers of Northwest Utilities, Citizens' Utility Board and Staff of its intention to use GRID version 6.1 for its 2008 TAM filing. No party objected to its use for the initial filing; however, parties reserved the right to review the updated version to ensure that the changes are consistent with the intent of the TAM.

Q. Please generally describe the improvements in the GRID model reflected in version 6.1.

A. GRID Release 6.1 provides greater precision in commitment logic, enhanced heat rate data series functionality and enhanced functionality for greater analyst efficiency. On balance, these improvements result in a slight decrease to the Company's net power costs. The Company provided a detailed description of the code changes to Oregon stakeholders when GRID Release 6.1 was placed into production.

Q. Please explain these three changes to the GRID model in more detail, including whether they impact net power costs.

A. The first is a change in commitment logic, so that if the marginal unit's reference market is illiquid, the model does not calculate a reserve credit. This change has only a minimal impact on power costs.

The second change replaces the Thermal Heat Rate data series with a Heat Rate Coefficient data series. The model calculates the heat rate curve within the model. The new data series is a timed attribute data series. This allows the analyst to change Huntington Unit 2's curve to reflect the impact of the new scrubber without maintaining two different data series. Again, the change has only minimal impact on power costs.

The third change generally improves the functionality of the model by enhancing security for projects with "locked" scenarios, providing an MMBtu report and providing financial reports with finer granularity in LTC cost reporting. These model changes have no impact on net power costs.

GRID Model Inputs

Q. What inputs were updated for this filing?

A. The net system load, wholesale sales and purchase power expenses, wheeling expenses, market prices for natural gas and electricity, fuel expenses, hydro generation, thermal heat rates, thermal planned maintenance and outages inputs were updated for this filing.

GRID Model Outputs

Q. What reports does the GRID model produce?

A. The major output from the GRID model is the Net Power Cost report. This is attached to my testimony as Exhibit PPL/201. Additional data with more detailed analyses are also available in hourly, daily, monthly and annual formats by heavy load hours and light load hours.

Q. Please describe Exhibit PPL/202.

A. This Exhibit is a schedule of the Company's major sources of energy supply by major source of supply, expressed in average megawatts owned and contracted for by the Company to meet system load requirements, for the test period. The total shown on line 11 represents the total future usage of resources during the forecast period to serve system load. Line 12 consists of wholesale sales made to neighboring utilities within the Pacific Northwest, the Pacific Southwest, and the Desert Southwest as calculated from the production cost model study. Line 13 represents the Company's total system load net of special sales.

Q. Please describe Exhibit PPL/203.

A. This Exhibit lists the major sources of future peak generation capability for the Company's winter and summer peak loads and the Company's energy load for the test period.

Q. Do you believe that the GRID model appropriately reflects the Company's forecasted net power costs over the test period?

A. Yes. The GRID model appropriately simulates the operation of the Company's system over a variety of stream flow and market conditions consistent with the Company's operation of its system including operating constraints and requirements.

Q. Does this conclude your direct testimony?

A. Yes.

Case UE-
Exhibit PPL/201
Witness: Mark T. Widmer

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Exhibit Accompanying Direct Testimony of Mark T. Widmer

NET POWER COST ANALYSIS

April 2007

PPL/201
Widmer/1

PacifiCorp
Generic Study
Period Ending Dec 2008

Oregon TAM 2007Mar20

Net Power Cost Analysis

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Period Ending Dec 2008	01/08-12/08	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
Special Sales For Resale													
Long Term Firm Sales													
Black Hills	10,108,841	852,956	825,480	850,177	837,080	842,389	828,085	853,119	849,740	836,872	846,784	832,648	853,512
BPA Wind	1,551,918	195,753	142,002	167,537	111,620	110,231	83,386	61,011	71,919	94,591	123,665	187,057	203,145
LADWP (IPP Layoff)	26,154,379	2,051,058	1,960,567	2,051,058	2,095,484	2,298,400	2,261,666	2,216,509	2,244,177	2,182,342	2,215,460	2,452,748	2,124,910
PSCO	62,650,632	5,411,748	5,163,498	5,272,939	5,000,661	5,118,113	5,000,660	5,411,748	5,411,748	5,286,288	5,160,823	5,000,660	5,411,748
Salt River Project	13,621,434	1,215,000	1,106,400	1,098,602	967,044	1,005,936	1,023,165	1,284,912	1,349,676	1,228,623	1,061,315	1,079,468	1,201,294
Sierra Pac 2	33,881,068	3,083,126	2,960,481	2,951,047	2,589,401	2,513,927	2,429,018	2,730,914	2,872,428	2,847,270	2,903,876	2,916,455	3,083,126
SMUD	13,001,801	1,850,000	1,613,200	529,100	-	-	-	1,420,800	1,628,000	1,565,100	913,900	1,454,100	2,027,600
UMPA II	9,780,072	603,875	582,275	603,875	593,075	603,875	948,920	1,811,625	1,425,145	806,582	603,875	593,075	603,875
Total Long Term Firm Sales	170,750,143	15,263,516	14,353,903	13,524,335	12,194,364	12,492,871	12,574,900	15,790,637	15,852,833	14,847,668	13,829,697	14,516,209	15,509,210
Short Term Firm Sales													
Four Corners	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid Columbia	243,791,300	38,772,250	36,617,450	39,463,850	16,268,700	16,526,550	15,940,500	16,745,700	16,745,700	16,179,000	10,568,700	9,660,600	10,302,300
Palo Verde	500,910,348	59,559,922	55,920,854	59,559,922	29,920,340	31,001,630	30,017,200	33,518,420	33,518,420	42,834,800	42,683,130	40,685,940	41,689,770
SP15	8,746,100	1,593,800	1,532,500	1,593,800	-	-	-	1,353,000	1,353,000	1,320,000	-	-	-
STF Index Trades	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Short Term Firm Sales	753,447,748	99,925,972	94,070,804	100,617,572	46,189,040	47,528,180	45,957,700	51,617,120	51,617,120	60,333,800	53,251,830	50,346,540	51,992,070
System Balancing Sales													
COB	138,165,648	15,271,060	14,403,121	13,947,390	11,469,076	11,376,729	8,308,026	5,272,052	5,309,819	10,184,466	12,376,830	12,816,882	17,430,198
Four Corners	279,107,729	38,370,996	22,886,212	21,195,018	14,776,890	16,094,430	15,584,205	17,771,938	26,438,310	24,590,654	23,640,802	25,841,444	31,916,830
Mid Columbia	25,144,711	255,454	231,460	143,808	3,075,598	2,489,750	2,256,273	3,353,744	2,348,699	8,073,572	559,475	1,063,620	1,293,258
Palo Verde	1,192,203	-	-	-	-	-	-	754,602	437,601	-	-	-	-
SP15	-	-	-	-	-	-	-	-	-	-	-	-	-
Trapped Energy	215,892	-	-	211,009	-	-	488	3,818	577	-	-	-	-
Total System Balancing Sales	443,826,183	53,897,510	37,520,793	35,497,225	29,321,564	29,960,909	26,148,991	27,156,154	34,535,005	42,848,692	36,577,107	39,721,946	50,640,286
Total Special Sales For Resale	1,368,024,075	169,086,999	145,945,500	149,639,132	87,704,968	89,981,959	84,681,592	94,563,912	102,004,958	118,030,160	103,658,635	104,584,695	118,141,566

PPL/201
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Generic Study
Period Ending Dec 2008

Oregon TAM 2007Mar20

Net Power Cost Analysis

Purchased Power & Net Interchange

	01/08-12/08	Jan-08	Feb-08	Mar-08	Apr-08	May-08
Long Term Firm Purchases						
AMP Resources (Cove Fort)	10,126,256	-	-	-	-	-
APS Supplemental	8,121,018	564,450	990,450	769,290	549,300	1,247,790
Combine Hills	4,930,759	486,482	455,096	486,482	431,860	446,255
Constellation p257677	7,495,432	-	-	-	-	-
Constellation p257678	2,544,240	-	-	-	-	-
Constellation p268849	4,555,400	-	-	-	-	-
Deseret Purchase	31,094,720	2,610,410	2,533,676	2,610,410	2,572,043	2,610,410
Douglas PUD Settlement	1,663,330	84,333	83,999	109,776	152,944	234,855
Gemstate	2,716,400	222,200	219,500	224,300	215,100	215,100
Georgia-Pacific Camas	8,345,184	706,833	661,230	706,833	684,031	706,833
Grant County 10 aMW purchase	6,800,378	559,361	452,823	500,460	521,814	572,630
Idaho Power RTSA Purchase	2,519,402	257,539	252,060	237,267	61,196	5,233
IPP Purchase	26,154,379	2,051,058	1,960,567	2,051,058	2,095,484	2,298,400
Kennecott Generation Incentive	10,116,870	-	-	-	660,087	964,345
MagCorp	-	-	-	-	-	-
MagCorp Reserves	1,755,360	146,280	146,280	146,280	146,280	146,280
Morgan Stanley p189046	10,718,400	904,800	870,000	904,800	904,800	904,800
Morgan Stanley p244840	5,282,160	-	-	-	-	-
Morgan Stanley p244841	1,744,080	-	-	-	-	-
Nebo Heat Rate Option	7,752,805	2,826,927	2,550,525	2,375,353	-	-
NuCor	4,610,400	384,200	384,200	384,200	384,200	384,200
P4 Production	12,363,840	1,030,320	1,030,320	1,030,320	1,030,320	1,030,320
PGE Cove	120,000	10,000	10,000	10,000	10,000	10,000
Rock River	5,125,402	646,498	468,979	553,312	368,640	364,054
Roseburg Forest Products	10,013,760	848,160	793,440	848,160	820,800	848,160
Roseburg Forest Products CA	3,922,749	332,099	311,880	332,099	322,880	332,099
Small Purchases east	438,414	49,651	40,729	41,417	30,862	31,564
Small Purchases west	-	-	-	-	-	-
Tri-State Purchase	11,390,371	1,020,206	976,545	891,336	833,683	911,341
UBS p268848	2,195,550	-	-	-	-	-
Wolverine Creek	9,081,726	895,938	838,135	895,938	795,503	822,021
DSM (Load Curtailment)	842,667	-	-	-	-	-
Sub Total Long Term Firm Purchas	307,759,851	24,390,536	23,693,927	22,005,976	21,111,582	22,876,451
Qualifying Facilities						
QF California	4,352,670	432,591	506,706	606,594	725,534	722,484
QF Idaho	3,952,954	279,491	260,653	314,565	343,845	452,241
QF Oregon	13,635,431	1,374,972	1,343,802	1,408,859	1,560,068	1,463,415
QF Utah	992,329	84,111	84,379	87,393	85,080	83,619
QF Washington	2,191,966	153,782	147,080	147,022	157,634	202,737
QF Wyoming	672,773	13,390	13,022	11,980	36,355	102,736
Biomass	26,524,302	2,242,223	2,114,765	2,242,223	2,178,494	2,242,223
Douglas County Forest Products	618,772	132,623	75,788	83,169	80,372	83,169
Evergreen BioPower QF	3,456,709	301,622	284,645	308,389	293,677	236,319
ExxonMobil QF	35,536,820	5,161,385	4,419,909	3,398,220	1,840,860	1,531,152
Mountain Wind 1 QF	6,035,967	-	-	-	452,015	395,972
Mountain Wind 2 QF	6,293,307	-	-	-	-	-
Pioneer Ridge QF	10,362,319	1,075,008	656,515	823,883	850,143	641,319
Schwendiman QF	3,398,132	256,297	209,124	402,875	347,135	376,672
Simplot Phosphates	3,770,428	308,369	291,662	308,369	300,016	328,607
Spanish Fork Wind 2 QF	2,154,674	-	-	-	-	-
Sunnyside	32,004,666	2,644,807	2,530,967	1,847,924	2,587,887	2,644,807
US Magnesium QF	10,632,746	948,436	863,602	857,576	754,842	785,244
Total Qualifying Facilities	166,586,966	15,409,105	13,802,617	12,849,040	12,593,955	12,292,715
Mid-Columbia Contracts						
Canadian Entitlement	-	-	-	-	-	-
Chelan - Rocky Reach	3,921,090	326,758	326,758	326,758	326,758	326,758
Douglas - Wells	2,305,544	190,839	190,839	190,839	190,839	190,839
Grant Displacement	12,230,076	882,053	847,234	849,414	1,150,074	1,213,686
Grant Reasonable	(7,716,523)	(643,044)	(643,044)	(643,044)	(643,044)	(643,044)
Grant Meaningful Priority	17,851,093	1,487,591	1,487,591	1,487,591	1,487,591	1,487,591
Grant Surplus	490,606	40,884	40,884	40,884	40,884	40,884
Grant - Wanapum	10,894,434	907,870	907,870	907,870	907,870	907,870
Total Mid-Columbia Contracts	39,976,320	3,192,951	3,158,131	3,160,312	3,460,972	3,524,583
Total Long Term Firm Purchases	514,323,137	42,992,592	40,654,675	38,015,328	37,166,509	38,693,750

	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
Long Term Firm Purchases							
AMP Resources (Cove Fort)	1,206,903	1,393,138	1,405,636	1,408,743	1,514,101	1,545,990	1,651,745
APS Supplemental	559,950	520,540	748,270	343,430	561,310	521,038	745,200
Combine Hills	309,833	320,160	320,160	309,833	446,255	431,860	486,482
Constellation p257677	1,600,304	1,975,376	1,990,352	1,929,400	-	-	-
Constellation p257678	225,000	234,000	1,860,240	225,000	-	-	-
Constellation p268849	475,000	2,076,600	2,003,800	-	-	-	-
Deseret Purchase	2,572,043	2,610,410	2,610,410	2,572,043	2,610,410	2,572,043	2,610,410
Douglas PUD Settlement	245,569	194,213	151,465	90,547	110,081	101,365	104,184
Gemstate	215,100	215,100	221,500	215,100	265,600	265,600	222,200
Georgia-Pacific Camas	684,031	706,833	706,833	684,031	706,833	684,031	706,833
Grant County 10 aMW purchase	575,667	732,354	763,363	606,454	477,815	444,904	592,734
Idaho Power RTSA Purchase	160,868	327,008	298,532	262,149	199,433	201,607	256,510
IPP Purchase	2,261,666	2,216,509	2,244,177	2,182,342	2,215,460	2,452,748	2,124,910
Kennecott Generation Incentive	900,925	1,992,983	2,362,197	2,429,107	807,227	-	-
MagCorp	-	-	-	-	-	-	-
MagCorp Reserves	146,280	146,280	146,280	146,280	146,280	146,280	146,280
Morgan Stanley p189046	870,000	904,800	904,800	870,000	939,600	835,200	904,800
Morgan Stanley p244840	-	2,641,080	2,641,080	-	-	-	-
Morgan Stanley p244841	-	872,040	872,040	-	-	-	-
Nebo Heat Rate Option	-	-	-	-	-	-	-
NuCor	384,200	384,200	384,200	384,200	384,200	384,200	384,200
P4 Production	1,030,320	1,030,320	1,030,320	1,030,320	1,030,320	1,030,320	1,030,320
PGE Cove	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Rock River	275,394	201,495	237,522	312,400	408,419	617,778	670,913
Roseburg Forest Products	820,800	848,160	848,160	820,800	848,160	820,800	848,160
Roseburg Forest Products CA	321,099	332,099	332,099	321,099	333,880	319,318	332,099
Small Purchases east	28,062	29,348	30,995	31,944	36,438	38,667	48,735
Small Purchases west	-	-	-	-	-	-	-
Tri-State Purchase	935,103	980,660	995,083	973,252	939,255	943,477	990,430
UBS p268848	207,250	1,012,450	975,850	-	-	-	-
Wolverine Creek	570,672	589,694	589,694	570,672	822,021	795,503	895,938
DSM (Load Curtailment)	246,707	283,658	258,061	54,241	-	-	-
Sub Total Long Term Firm Purchas	25,598,290	33,771,231	35,751,872	26,759,491	23,978,013	23,658,970	24,163,509
Qualifying Facilities							
QF California	583,950	209,157	94,370	77,397	68,378	98,505	227,005
QF Idaho	486,545	374,703	289,732	279,672	297,114	293,368	281,025
QF Oregon	1,142,239	852,147	767,703	800,205	787,757	905,837	1,228,427
QF Utah	79,934	79,649	76,617	78,347	86,211	85,655	81,336
QF Washington	219,890	246,949	233,951	217,733	174,688	150,833	139,667
QF Wyoming	104,229	110,442	110,125	99,276	44,802	13,222	13,195
Biomass	2,178,494	2,242,223	2,242,223	2,178,494	2,242,223	2,178,494	2,242,223
Douglas County Forest Products	80,483	83,169	-	-	-	-	-
Evergreen BioPower QF	295,757	301,622	308,389	292,590	302,709	298,270	232,719
ExxonMobil QF	1,635,993	1,925,221	2,971,164	2,210,560	2,359,763	3,278,215	4,804,380
Mountain Wind 1 QF	344,285	610,285	835,930	650,575	626,984	992,377	1,127,544
Mountain Wind 2 QF	-	790,166	1,107,004	834,117	834,534	1,274,741	1,452,746
Pioneer Ridge QF	822,588	840,510	1,316,872	973,038	614,254	717,576	1,030,613
Schwendiman QF	293,993	287,416	269,398	250,411	195,120	283,690	226,002
Simplot Phosphates	319,600	328,607	328,607	319,600	328,607	300,016	308,369
Spanish Fork Wind 2 QF	12,379	492,192	528,343	317,709	224,215	249,320	330,517
Sunnyside	2,587,887	2,960,734	2,960,734	2,893,621	2,490,943	2,893,621	2,960,734
US Magnesium QF	798,717	1,002,953	1,053,531	959,005	828,458	842,649	937,735
Total Qualifying Facilities	11,986,963	13,738,145	15,494,692	13,432,350	12,506,759	14,856,389	17,624,237
Mid-Columbia Contracts							
Canadian Entitlement	-	-	-	-	-	-	-
Chelan - Rocky Reach	326,758	326,758	326,758	326,758	326,758	326,758	326,758
Douglas - Wells	190,839	190,839	190,839	194,708	194,708	194,708	194,708
Grant Displacement	994,796	1,178,745	969,208	960,286	1,001,007	1,049,145	1,134,428
Grant Reasonable	(643,044)	(643,044)	(643,044)	(643,044)	(643,044)	(643,044)	(643,044)
Grant Meaningful Priority	1,487,591	1,487,591	1,487,591	1,487,591	1,487,591	1,487,591	1,487,591
Grant Surplus	40,884	40,884	40,884	40,884	40,884	40,884	40,884
Grant - Wanapum	907,870	907,870	907,870	907,870	907,870	907,870	907,870
Total Mid-Columbia Contracts	3,305,694	3,489,643	3,280,105	3,275,052	3,315,773	3,363,911	3,449,194
Total Long Term Firm Purchases	40,890,947	50,999,019	54,526,669	43,466,893	39,800,544	41,879,270	45,236,941

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Generic Study

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Net Power Cost Analysis

Period Ending Dec 2008	01/08-12/08	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
Storage & Exchange													
APGI/Colockum Capacity Excha	-	-	-	-	-	-	-	-	-	-	-	-	-
APS Exchange	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Hills CTs	1,803,226	95,478	83,823	266,511	408,454	301,205	99,609	94,115	94,193	106,507	76,508	77,669	99,154
BPA Exchange	-	-	-	-	-	-	-	-	-	-	-	-	-
BPA FC II Storage Agreement	-	-	-	-	-	-	-	-	-	-	-	-	-
BPA FC IV Storage Agreement	-	-	-	-	-	-	-	-	-	-	-	-	-
BPA Peaking	54,303,000	4,525,250	4,525,250	4,525,250	4,525,250	4,525,250	4,525,250	4,525,250	4,525,250	4,525,250	4,525,250	4,525,250	4,525,250
BPA So. Idaho Exchange	-	-	-	-	-	-	-	-	-	-	-	-	-
Cowlitz Swift	-	-	-	-	-	-	-	-	-	-	-	-	-
EWEB FC I Storage Agreement	-	-	-	-	-	-	-	-	-	-	-	-	-
PSCo Exchange	900,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
PSCO FC III Storage Agreement	-	-	-	-	-	-	-	-	-	-	-	-	-
Redding Exchange	-	-	-	-	-	-	-	-	-	-	-	-	-
SCL State Line Storage Agreem	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Storage & Exchange	57,006,226	4,695,728	4,684,073	4,866,761	5,008,704	4,901,455	4,699,859	4,694,365	4,694,443	4,706,757	4,676,758	4,677,919	4,699,404
Short Term Firm Purchases													
Four Corners	4,243,200	-	-	-	-	-	-	2,121,600	2,121,600	-	-	-	-
Mid Columbia	123,698,300	6,829,550	6,448,750	8,202,350	10,971,700	11,208,550	10,823,000	21,394,400	21,394,400	20,674,000	1,972,200	1,839,600	1,939,800
Palo Verde	210,974,868	28,355,852	26,743,864	28,355,852	10,660,800	8,504,300	8,258,500	13,667,000	13,667,000	13,283,500	19,930,650	19,511,700	20,035,850
SP15	-	-	-	-	-	-	-	-	-	-	-	-	-
STF Index Trades	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Short Term Firm Purchases	338,916,368	35,185,402	33,192,614	36,558,202	21,632,500	19,712,850	19,081,500	37,183,000	37,183,000	33,957,500	21,902,850	21,351,300	21,975,650
System Balancing Purchases													
COB	9,525,425	115,891	313,980	499,473	50,514	36,896	781,361	2,777,345	2,897,165	868,276	200,729	571,984	411,811
Four Corners	2,665,265	-	762,360	337,464	68,137	115,050	13,494	424,766	38,419	202,100	383,174	167,683	152,617
Mid Columbia	142,096,461	22,395,248	18,351,128	20,198,158	3,172,355	3,019,497	5,295,775	9,991,946	14,191,360	3,575,834	15,667,183	12,024,224	14,213,753
Palo Verde	219,274,999	24,741,744	23,378,096	22,341,620	9,593,311	15,538,613	16,754,878	15,197,731	16,085,294	25,199,984	18,237,560	15,127,164	17,079,004
SP15	8,668,915	1,627,067	1,519,807	1,441,111	-	-	-	1,289,170	1,453,755	1,338,005	-	-	-
Emergency Purchases	447,752	-	12,158	365,074	-	-	-	69,492	-	-	1,029	-	-
Total System Balancing Purchases	382,678,817	48,879,950	44,337,529	45,182,900	12,884,317	18,710,056	22,845,508	29,750,450	34,665,993	31,184,200	34,489,675	27,891,055	31,857,184
Total Purchased Power & Net I	1,292,924,547	131,753,672	122,868,891	124,623,190	76,692,030	82,018,111	87,517,813	122,626,834	131,070,105	113,315,350	100,869,827	95,799,544	103,769,179

PacifiCorp
Generic Study
Period Ending Dec 2008

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Net Power Cost Analysis

	01/08-12/08	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
Wheeling & U. of F. Expense													
Firm Wheeling	107,412,609	9,311,540	8,947,771	9,159,852	9,459,107	9,010,901	8,571,118	9,057,666	8,821,273	8,427,965	8,621,359	8,994,500	9,029,557
ST Firm & Non-Firm	307,719	9,321	3,702	5,107	25,083	28,131	31,451	42,419	29,686	32,632	44,765	31,237	24,185
Total Wheeling & U. of F. Expe	107,720,328	9,320,860	8,951,473	9,164,959	9,484,191	9,039,032	8,602,569	9,100,085	8,850,959	8,460,597	8,666,123	9,025,738	9,053,742
Coal Fuel Burn Expense													
Carbon	13,403,317	959,088	1,176,605	1,282,843	1,032,243	1,098,980	1,127,758	1,268,103	1,185,270	1,188,298	827,113	1,202,947	1,054,071
Cholla	52,849,931	4,713,117	2,986,593	4,997,428	4,218,762	3,953,084	4,079,869	4,610,503	4,722,329	4,603,575	4,780,873	4,642,411	4,541,387
Colstrip	10,335,718	927,850	873,384	936,820	890,886	978,144	855,198	890,080	927,388	693,862	741,839	667,200	953,067
Craig	17,719,425	1,510,409	1,332,743	928,518	1,522,771	1,583,084	1,428,741	1,607,776	1,529,883	1,551,281	1,599,269	1,538,337	1,586,613
Dave Johnston	47,312,051	4,187,698	4,027,639	3,960,095	4,101,390	3,906,785	3,911,893	3,999,698	4,137,956	3,446,707	3,154,909	4,191,879	4,285,402
Hayden	8,542,296	731,293	409,206	845,331	689,686	698,653	694,822	771,849	734,543	746,877	758,553	710,311	751,171
Hunter	103,133,875	8,963,390	6,867,461	9,047,214	7,940,031	9,084,943	8,261,917	9,142,576	8,509,537	8,611,971	8,709,233	8,809,328	9,186,273
Huntington	79,755,197	7,100,535	6,143,557	7,195,383	6,796,560	7,067,802	7,017,895	7,171,483	6,752,482	5,313,475	5,943,535	6,130,472	7,122,018
Jim Bridger	121,337,254	10,702,212	9,627,468	9,152,966	7,788,062	9,160,789	10,571,061	10,538,618	10,787,848	10,756,208	10,759,093	10,809,055	10,683,875
Naughton	70,069,220	5,836,617	6,216,162	4,132,140	5,238,254	5,789,557	5,915,795	6,236,203	6,303,056	6,039,873	6,396,010	5,841,949	6,123,604
Wyodak	18,322,055	1,610,896	1,520,467	1,556,677	1,546,936	1,585,089	1,520,919	1,587,268	1,545,897	1,605,782	1,292,521	1,241,119	1,708,484
Total Coal Fuel Burn Expense	542,780,339	47,243,106	41,181,285	44,035,414	41,765,580	44,906,909	45,385,868	47,824,158	47,136,190	44,557,910	44,962,947	45,785,008	47,995,964
Gas Fuel Burn Expense													
Currant Creek	127,792,096	11,808,077	12,241,391	11,524,617	9,105,270	7,719,287	7,703,051	10,557,432	13,005,945	11,153,998	8,843,770	11,423,409	12,705,849
Gadsby	20,577,489	206,239	138,040	40,828	-	1,551,047	2,012,989	4,536,901	4,537,304	4,300,100	1,888,622	561,011	804,408
Gadsby CT	15,766,422	882,304	572,041	321,997	505,013	1,239,037	1,475,073	1,914,281	2,042,417	1,832,448	1,830,160	1,410,921	1,740,730
Hermiston	57,172,934	4,754,561	4,666,589	2,938,513	4,525,789	4,790,521	4,760,798	4,985,537	4,809,320	4,971,783	5,156,285	5,453,174	5,360,065
Lake side	136,080,810	14,737,218	11,833,078	11,790,801	9,173,800	8,676,150	8,221,327	10,560,633	13,074,175	12,002,696	8,314,684	12,725,971	14,970,276
Little Mountain	9,830,063	1,350,554	1,257,097	1,200,441	1,053,052	971,871	-	137,200	151,454	-	1,152,811	1,180,108	1,375,476
West Valley	8,975,023	2,084,259	1,613,806	1,041,446	1,781,225	2,454,286	-	-	-	-	-	-	-
Total Gas Fuel Burn	376,194,836	35,823,211	32,322,043	28,858,643	26,144,149	27,402,199	24,173,237	32,691,983	37,620,616	34,261,025	27,186,331	32,754,595	36,956,804
Mark to Market	-	-	-	-	-	-	-	-	-	-	-	-	-
Gas Swaps	33,758,417	3,229,146	1,700,908	2,418,310	3,366,210	4,690,393	4,475,280	3,653,505	3,374,505	2,444,130	2,886,100	1,432,200	87,730
Pipeline Reservation Fees	13,214,212	1,105,279	1,088,899	1,105,279	1,097,089	1,105,279	1,097,089	1,105,279	1,105,279	1,097,089	1,105,279	1,097,089	1,105,279
Total Gas Fuel Burn Expense	423,167,465	40,157,636	35,111,850	32,382,232	30,607,448	33,197,871	29,745,607	37,450,767	42,100,400	37,802,244	31,177,711	35,283,885	38,149,813
Other Generation													
Blundell	4,429,953	361,517	347,532	382,471	374,972	386,948	368,629	388,323	389,081	319,935	360,925	374,366	375,255
Foote Creek I	-	-	-	-	-	-	-	-	-	-	-	-	-
Goodnoe	-	-	-	-	-	-	-	-	-	-	-	-	-
Leaning Juniper 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Marengo	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Other Generation	4,429,953	361,517	347,532	382,471	374,972	386,948	368,629	388,323	389,081	319,935	360,925	374,366	375,255
Net Power Cost	**1,002,998,558**	59,749,793	62,515,532	60,949,135	71,219,254	79,566,912	86,938,894	122,826,255	127,541,778	86,425,875	82,378,898	81,683,845	81,202,387
Net Power Cost/Net System Load	**17.29**	**11.83**	**13.70**	**13.17**	**16.41**	**17.35**	**18.12**	**22.60**	**24.35**	**18.71**	**17.94**	**16.79**	**15.34**

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Net Power Cost Analysis

MWh

	01/08-12/08	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
Adjustments to Load													
Bridger Loss Placement	(0)	0	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0
DSM Idaho Irrigation	0	-	-	-	-	-	0	-	-	0	-	-	-
MagCorp Curtailment	29,580	7,480	-	-	-	-	3,740	3,400	3,740	3,740	-	-	7,480
Monsanto Curtailment	53,600	-	-	-	-	335	8,442	14,271	18,425	12,127	-	-	-
Station Service	(73,653)	(4,690)	(5,594)	(5,753)	(7,776)	(6,834)	(6,341)	(6,309)	(7,097)	(5,947)	(6,631)	(6,067)	(4,614)
Total Adjustments to Load	9,527	2,790	(5,594)	(5,753)	(7,776)	(6,499)	5,841	11,362	15,068	9,920	(6,631)	(6,067)	2,866
System Load	58,016,416	5,052,123	4,558,850	4,620,825	4,333,306	4,578,369	4,802,885	5,446,661	5,251,877	4,630,195	4,585,683	4,860,073	5,295,569
Net System Load	58,006,889	5,049,333	4,564,444	4,626,578	4,341,082	4,584,868	4,797,044	5,435,299	5,236,809	4,620,275	4,592,314	4,866,140	5,292,703
Special Sales For Resale													
Long Term Firm Sales													
Black Hills	363,989	31,294	28,791	31,040	29,848	30,331	29,028	31,308	31,001	29,829	30,731	29,444	31,344
BPA Wind	39,946	5,039	3,655	4,312	2,873	2,837	2,146	1,570	1,851	2,435	3,183	4,815	5,229
LADWP (IPP Layoff)	539,064	42,855	38,707	42,855	42,583	48,023	45,960	46,312	46,890	44,348	46,290	49,843	44,398
PSCO	932,969	81,780	76,535	78,847	73,094	75,576	73,094	81,780	81,780	79,129	76,478	73,094	81,780
Salt River Project	219,600	18,600	17,400	18,600	18,000	18,600	18,000	18,600	18,600	18,000	18,600	18,000	18,600
Sierra Pac 2	461,175	44,625	41,700	41,475	32,850	31,050	29,025	36,225	39,600	39,000	40,350	40,650	44,625
SMUD	351,400	50,000	43,600	14,300	-	-	-	38,400	44,000	42,300	24,700	39,300	54,800
UMPA II	224,328	13,938	13,038	13,938	13,488	13,938	21,580	41,813	32,893	18,343	13,938	13,488	13,938
Total Long Term Firm Sales	3,132,472	288,130	263,426	245,368	212,736	220,355	218,834	296,008	296,614	273,384	254,270	268,634	294,714
Short Term Firm Sales													
Four Corners	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid Columbia	3,810,600	525,800	495,400	536,200	361,600	368,800	356,000	244,000	244,000	236,000	153,000	140,400	149,400
Palo Verde	8,160,200	882,400	825,200	882,400	568,800	594,000	576,000	543,000	543,000	664,000	708,000	680,400	693,000
SP15	134,800	20,800	20,000	20,800	-	-	-	24,600	24,600	24,000	-	-	-
STF Index Trades	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Short Term Firm Sales	12,105,600	1,429,000	1,340,600	1,439,400	930,400	962,800	932,000	811,600	811,600	924,000	861,000	820,800	842,400
System Balancing Sales													
COB	2,085,843	202,742	199,540	210,535	195,356	227,815	173,527	78,312	71,126	136,508	185,019	181,946	223,417
Four Corners	3,983,537	530,108	327,551	330,662	250,112	261,566	249,908	214,814	315,291	307,715	357,255	395,043	443,512
Mid Columbia	459,656	3,280	3,432	2,188	65,039	56,903	62,822	70,519	40,202	111,475	9,743	15,593	18,459
Palo Verde	12,450	-	-	-	-	-	-	7,800	4,650	-	-	-	-
SP15	-	-	-	-	-	-	-	-	-	-	-	-	-
Trapped Energy	5,422	-	-	5,277	-	-	22	108	15	-	-	-	-
Total System Balancing Sales	6,546,908	736,131	530,523	548,663	510,507	546,284	486,279	371,553	431,285	555,698	552,017	592,582	685,387
Total Special Sales For Resale	21,784,980	2,453,261	2,134,549	2,233,430	1,653,642	1,729,439	1,637,113	1,479,161	1,539,499	1,753,082	1,667,288	1,682,016	1,822,501
Total Requirements	79,791,869	7,502,594	6,698,993	6,860,008	5,994,724	6,314,307	6,434,157	6,914,460	6,776,308	6,373,357	6,259,602	6,548,156	7,115,204
Purchased Power & Net Interchange													
Long Term Firm Purchases													
AMP Resources (Cove Fort)	176,108	-	-	-	-	-	20,990	24,228	24,446	24,500	26,332	26,887	28,726
APS Supplemental	228,650	7,950	13,950	24,150	23,100	33,450	23,250	21,500	18,050	15,250	21,050	16,600	10,350
Combine Hills	115,366	11,382	10,648	11,382	10,104	10,441	7,249	7,491	7,491	7,249	10,441	10,104	11,382
Constellation p257677	78,400	-	-	-	-	-	16,800	20,800	20,800	20,000	-	-	-
Constellation p257678	16,800	-	-	-	-	-	-	-	16,800	-	-	-	-
Constellation p268849	34,400	-	-	-	-	-	-	17,600	16,800	-	-	-	-
Deseret Purchase	816,912	69,192	64,728	69,192	66,960	69,192	66,960	69,192	69,192	66,960	69,192	66,960	69,192
Douglas PUD Settlement	68,877	3,490	3,499	4,586	6,323	9,697	10,256	8,083	6,242	3,712	4,546	4,166	4,276
Gemstate	37,448	-	-	-	-	1,467	10,146	13,379	12,456	-	-	-	-
Georgia-Pacific Camas	131,482	11,136	10,418	11,136	10,777	11,136	10,777	11,136	11,136	10,777	11,136	10,777	11,136
Grant County 10 aMW purchase	87,634	6,400	4,992	5,824	7,410	9,346	9,996	10,280	9,560	7,098	5,904	4,734	6,090
Idaho Power RTSA Purchase	37,151	3,594	3,671	3,780	1,248	122	2,839	4,513	3,948	3,809	3,189	2,990	3,448
IPP Purchase	539,064	42,855	38,707	42,855	42,583	48,023	45,960	46,312	46,890	44,348	46,290	49,843	44,398
MagCorp Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-
Morgan Stanley p189046	246,400	20,800	20,000	20,800	20,800	20,800	20,000	20,800	20,800	20,000	21,600	19,200	20,800
Morgan Stanley p244840	62,400	-	-	-	-	-	-	31,200	31,200	-	-	-	-
Morgan Stanley p244841	20,800	-	-	-	-	-	-	10,400	10,400	-	-	-	-
Nebo Heat Rate Option	107,877	39,193	34,804	33,880	-	-	-	-	-	-	-	-	-

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Net Power Cost Analysis

	01/08-12/08	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
PGE Cove	12,024	1,014	966	1,014	990	1,014	990	1,014	1,014	990	1,014	990	1,014
Rock River	144,459	18,222	13,218	15,595	10,390	10,261	7,762	5,679	6,695	8,805	11,511	17,412	18,910
Roseburg Forest Products	175,680	14,880	13,920	14,880	14,400	14,880	14,400	14,880	14,880	14,400	14,880	14,400	14,880
Roseburg Forest Products CA	65,178	5,521	5,164	5,521	5,342	5,521	5,342	5,521	5,521	5,342	5,521	5,342	5,521
Small Purchases east	5,481	622	510	520	384	394	349	366	386	402	456	486	608
Small Purchases west	-	-	-	-	-	-	-	-	-	-	-	-	-
Tri-State Purchase	199,833	20,125	17,990	13,823	11,004	14,802	15,964	18,191	18,897	17,829	16,167	16,373	18,669
UBS p268848	17,200	-	-	-	-	-	-	8,800	8,400	-	-	-	-
Wolverine Creek	167,962	16,570	15,501	16,570	14,712	15,203	10,554	10,906	10,906	10,554	15,203	14,712	16,570
Sub Total Long Term Firm Purchas	5,400,078	443,272	420,706	376,627	389,448	427,827	451,806	542,937	545,320	442,921	452,811	453,455	452,948
Qualifying Facilities													
QF California	37,334	3,723	4,465	4,697	6,642	6,656	5,232	1,714	635	477	444	732	1,916
QF Idaho	78,149	5,549	5,180	6,233	6,805	8,920	9,589	7,380	5,725	5,531	5,874	5,801	5,562
QF Oregon	148,805	15,173	14,831	15,281	17,187	16,215	12,640	9,161	8,233	8,422	8,260	9,858	13,545
QF Utah	20,685	1,745	1,678	1,767	1,759	1,793	1,714	1,678	1,623	1,669	1,786	1,765	1,708
QF Washington	20,395	1,119	1,067	1,064	1,197	1,850	2,333	2,825	2,725	2,433	1,679	1,096	1,008
QF Wyoming	11,490	160	153	142	591	1,842	1,850	1,974	1,964	1,749	753	156	156
Biomass	175,479	14,863	13,904	14,863	14,384	14,863	14,384	14,863	14,863	14,384	14,863	14,384	14,863
Douglas County Forest Products	13,364	2,864	1,637	1,796	1,736	1,796	1,738	1,796	-	-	-	-	-
Evergreen BioPower QF	67,243	5,867	5,524	6,004	5,695	4,597	5,764	5,867	6,004	5,695	5,867	5,832	4,529
ExxonMobil QF	707,400	78,120	73,080	66,960	54,000	52,080	50,400	35,280	52,080	50,400	52,080	64,800	78,120
Mountain Wind 1 QF	124,999	-	-	-	12,312	12,414	10,177	10,595	14,366	13,628	13,680	19,287	18,539
Mountain Wind 2 QF	117,691	-	-	-	-	-	-	13,833	19,028	17,682	18,183	24,978	23,986
Pioneer Ridge QF	169,221	17,305	10,876	14,459	16,141	11,871	13,677	11,427	18,137	15,238	10,594	12,518	16,979
Schwendiman QF	61,750	4,657	3,800	7,321	6,308	6,845	5,342	5,223	4,896	4,550	3,546	5,155	4,107
Simplot Phosphates	74,664	6,324	5,916	6,324	6,120	6,324	6,120	6,324	6,324	6,120	6,324	6,120	6,324
Spanish Fork Wind 2 QF	35,782	-	-	-	-	-	204	7,189	7,578	5,508	4,420	4,823	6,061
Sunnyside	386,179	34,700	32,461	19,029	33,581	34,700	33,581	34,700	34,700	33,581	26,865	33,581	34,700
US Magnesium QF	175,680	14,880	13,920	14,880	14,400	14,880	14,400	14,880	14,880	14,400	14,880	14,400	14,880
Total Qualifying Facilities	2,426,311	207,049	188,492	180,820	198,859	197,647	189,144	186,708	213,759	201,468	190,097	225,285	246,983
Mid-Columbia Contracts													
Canadian Entitlement	(64,307)	(5,530)	(5,120)	(5,325)	(5,325)	(5,530)	(5,120)	(5,530)	(5,325)	(5,325)	(5,530)	(5,120)	(5,530)
Chelan - Rocky Reach	325,764	32,980	25,903	23,463	29,011	33,272	33,798	33,625	25,505	17,298	20,647	23,031	27,230
Douglas - Wells	255,303	25,735	19,844	17,933	23,078	27,655	27,266	27,350	19,903	13,036	15,507	17,401	20,595
Grant Displacement	443,432	29,587	27,865	29,987	42,949	53,976	51,848	46,780	33,385	31,148	31,786	31,535	32,586
Grant Reasonable	-	-	-	-	-	-	-	-	-	-	-	-	-
Grant Meaningful Priority	244,765	28,603	23,478	21,478	17,483	14,734	18,445	21,802	19,382	15,737	18,629	20,634	24,358
Grant Surplus	35,180	4,111	3,375	3,086	2,513	2,117	2,652	3,134	2,786	2,262	2,678	2,966	3,501
Grant - Wanapum	718,960	83,636	65,082	58,928	58,903	60,249	61,692	60,055	52,932	42,366	50,501	57,044	67,571
Total Mid-Columbia Contracts	1,959,097	199,123	160,428	149,551	168,612	186,474	190,581	187,216	148,569	116,522	134,219	147,491	170,312
Total Long Term Firm Purchases	9,785,486	849,444	769,625	706,999	756,919	811,948	831,530	916,861	907,648	760,911	777,127	826,231	870,242
Storage & Exchange													
APGI/Colockum Capacity Excha	(267,947)	(17,633)	(15,913)	(17,633)	(16,343)	(17,633)	(17,203)	(17,743)	(17,743)	(37,310)	(36,877)	(38,176)	(17,743)
APS Exchange	65	142,395	69,030	-	-	(78,060)	(137,890)	(142,560)	(142,580)	(68,710)	77,910	137,940	142,590
Black Hills CTs	-	-	-	-	-	-	-	-	-	-	-	-	-
BPA Exchange	0	-	-	(50,000)	-	-	133,898	116,102	-	(66,667)	(66,667)	(66,667)	-
BPA FC II Storage Agreement	266	6	(122)	84	(161)	0	(69)	(79)	51	104	112	270	69
BPA FC IV Storage Agreement	2,570	78	(1,090)	775	(1,440)	14	(613)	(708)	466	954	1,030	2,462	643
BPA Peaking	4,025	4,600	(230)	(5,520)	4,830	(230)	(11,960)	11,500	(5,520)	2,760	5,520	(13,915)	12,190
BPA So. Idaho Exchange	28,906	3,825	3,641	3,289	2,187	1,208	1,241	1,606	1,415	1,449	2,375	3,132	3,539
Cowlitz Swift	(7,975)	4,389	2,373	2,026	(4,672)	(2,736)	(3,337)	(1,526)	(2,891)	3,977	(971)	(5,358)	751
EWEB FC I Storage Agreement	1,324	167	121	143	95	94	71	52	61	81	106	160	173
PSCo Exchange	-	-	-	-	-	-	-	-	-	-	-	-	-
PSCO FC III Storage Agreement	270	141	(2,204)	(1,283)	(1,617)	(2,637)	(1,295)	(2,270)	(649)	1,659	2,412	4,306	3,707
Redding Exchange	1,327	11,998	11,687	11,536	8,911	(6,088)	(5,908)	(12,888)	(14,698)	(15,444)	(10,679)	10,902	11,998
SCL State Line Storage Agreem	20,461	77	(3,611)	25,151	16,410	(13,922)	7,050	(1,094)	(5,710)	(53)	(1,611)	944	(3,170)
Total Storage & Exchange	(216,708)	150,043	63,683	(31,432)	8,201	(119,990)	(36,014)	(49,608)	(187,799)	(177,200)	(27,339)	36,000	154,747
Short Term Firm Purchases													
Four Corners	41,600	-	-	-	-	-	-	20,800	20,800	-	-	-	-
Mid Columbia	2,117,000	95,200	89,600	116,000	250,000	256,600	248,000	328,800	328,800	318,000	29,400	27,600	29,000
Palo Verde	3,468,400	424,000	398,000	424,000	204,800	172,800	168,000	230,200	230,200	224,000	330,600	327,600	334,200
SP15	-	-	-	-	-	-	-	-	-	-	-	-	-
STF Index Trades	-	-	-	-	-	-	-	-	-	-	-	-	-

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	01/08-12/08	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
Total Short Term Firm Purchases	5,627,000	519,200	487,600	540,000	454,800	429,400	416,000	579,800	579,800	542,000	360,000	355,200	363,200
System Balancing Purchases													
COB	147,111	1,685	5,191	8,549	998	1,107	22,825	39,924	36,784	11,743	3,258	9,021	6,026
Four Corners	51,042	-	15,000	7,317	1,581	2,827	162	6,206	418	4,262	7,357	3,159	2,751
Mid Columbia	2,222,667	322,942	276,644	331,611	69,621	81,514	127,127	145,550	181,968	54,826	251,132	185,210	194,520
Palo Verde	3,590,053	372,134	367,369	379,373	186,632	278,647	301,809	242,619	238,250	370,032	326,420	258,825	267,945
SP15	134,800	20,800	20,000	20,800	-	-	-	24,600	24,600	24,000	-	-	-
Emergency Purchases	5,794	-	138	4,398	-	-	-	1,240	-	-	18	-	-
Total System Balancing Purchases	6,151,467	717,561	684,343	752,048	258,832	364,095	451,923	460,140	482,020	464,863	588,185	456,216	471,242
Total Purchased Power & Net I	21,347,245	2,236,248	2,005,250	1,967,615	1,478,752	1,485,453	1,663,440	1,907,193	1,781,669	1,590,574	1,697,973	1,673,647	1,859,431

PacifiCorp
Generic Study
Period Ending Dec 2008

Oregon TAM 2007Mar20

Net Power Cost Analysis

	01/08-12/08	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
Coal Generation													
Carbon	1,059,721	74,092	93,628	102,339	80,582	86,176	88,965	100,895	93,596	95,065	65,872	95,770	82,740
Cholla	2,722,761	243,071	154,312	258,264	216,882	201,778	209,285	237,626	243,487	237,608	246,820	239,665	233,964
Colstrip	1,152,656	103,629	97,477	104,710	99,368	109,547	94,809	98,822	103,556	77,721	82,340	74,140	106,536
Craig	1,258,689	107,277	94,373	66,151	108,224	112,477	101,242	114,292	108,480	110,329	113,740	109,382	112,722
Dave Johnston	5,833,010	516,514	496,845	487,396	506,437	480,415	481,858	492,560	510,254	425,114	389,492	517,204	528,921
Hayden	525,205	44,711	25,757	52,734	42,068	42,482	42,432	47,523	45,010	46,043	46,690	43,622	46,132
Hunter	8,392,075	729,957	559,471	737,342	643,060	740,121	670,297	745,440	690,351	700,933	707,755	717,801	749,549
Huntington	6,684,658	595,262	514,147	603,252	569,598	592,471	588,336	601,323	565,643	446,466	497,688	513,476	596,996
Jim Bridger	10,194,083	899,110	806,225	767,609	654,061	767,930	889,357	884,385	906,831	905,984	903,990	910,899	897,702
Naughton	4,753,027	394,399	423,311	279,832	355,479	391,384	400,939	423,674	427,940	410,187	435,043	395,331	415,507
Wyodak	2,179,201	191,568	180,954	184,577	183,845	188,244	180,489	188,525	183,186	191,435	154,165	148,058	204,154
Total Coal Generation	44,755,086	3,899,590	3,446,501	3,644,207	3,459,604	3,713,023	3,748,008	3,935,065	3,878,334	3,646,886	3,643,594	3,765,348	3,974,924
Gas Generation													
Currant Creek	2,534,233	220,242	223,925	224,437	197,500	167,073	168,079	217,636	266,936	225,674	178,280	217,755	226,698
Gadsby	257,293	2,293	1,554	480	-	19,867	24,302	58,349	57,677	54,053	22,965	6,793	8,960
Gadsby CT	177,893	8,689	6,091	3,547	5,720	14,329	17,343	21,909	23,578	21,690	21,307	15,743	17,945
Hermiston	1,806,492	150,326	148,019	81,118	142,919	152,079	151,222	160,665	152,412	160,896	168,381	171,477	166,979
Lake side	2,742,952	279,606	223,394	235,472	200,885	192,435	179,487	218,716	269,594	248,895	171,377	249,211	273,880
Little Mountain	85,380	11,158	10,358	10,416	10,018	9,348	-	1,233	1,333	-	10,415	10,078	11,023
West Valley	107,007	22,263	18,899	12,683	22,315	30,847	-	-	-	-	-	-	-
Total Gas Generation	7,711,249	694,577	632,239	568,152	579,357	585,978	540,433	678,508	771,529	711,209	572,725	671,057	705,485
Hydro Generation													
West Hydro	4,038,325	531,402	481,666	486,996	312,623	341,824	303,930	211,660	180,894	277,452	192,559	286,488	430,832
East Hydro	490,845	37,430	33,876	44,133	49,324	54,555	47,047	47,870	44,503	34,960	29,898	31,262	35,986
Total Hydro Generation	4,529,170	568,832	515,542	531,129	361,947	396,379	350,977	259,530	225,397	312,412	222,458	317,750	466,818
Other Generation													
Blundell	285,285	23,281	22,381	24,631	24,148	24,919	23,739	25,008	25,056	20,604	23,243	24,109	24,166
Foote Creek I	104,608	13,195	9,572	11,293	7,524	7,430	5,621	4,112	4,848	6,376	8,336	12,609	13,693
Goodnoe	342,919	19,886	21,984	31,834	31,865	33,015	36,608	38,061	31,996	24,718	27,867	25,395	19,689
Leaning Juniper 1	296,590	16,082	12,976	24,115	20,561	35,071	31,722	35,688	31,427	28,160	26,371	16,597	17,821
Marengo	419,713	30,901	32,548	57,033	30,965	33,037	33,608	31,295	26,051	32,418	37,036	41,644	33,176
Total Other Generation	1,449,114	103,346	99,460	148,905	115,063	133,472	131,298	134,164	119,378	112,276	122,852	120,353	108,546
Total Resources	79,791,864	7,502,593	6,698,992	6,860,008	5,994,723	6,314,305	6,434,156	6,914,460	6,776,308	6,373,357	6,259,602	6,548,155	7,115,204

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202 Widmer Exhibit

Case UE-
Exhibit PPL/202
Witness: Mark T. Widmer

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Exhibit Accompanying Direct Testimony of Mark T. Widmer

NORMALIZED SOURCES OF ENERGY

April 2007

Exhibit PPL/202

PacifiCorp
Normalized Sources of Energy
12 Months Ending December 2008

Unit - Average Megawatts

Line No.	Description	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Line No.
	Company Owned Generation													
1	Hydro	765	741	714	503	533	487	349	303	434	299	441	627	1
2	Thermal (1)	6,221	5,907	5,710	5,658	5,827	6,004	6,250	6,298	6,096	5,713	6,210	6,338	2
3	Wind	108	111	167	126	146	149	147	127	127	134	134	113	3
4	**Total Company Owned Generation**	**7,093**	**6,759**	**6,591**	**6,287**	**6,505**	**6,641**	**6,745**	**6,728**	**6,658**	**6,146**	**6,785**	**7,079**	4
	Purchased & Exchanges													
5	Long Term Firm	859	860	734	802	826	875	966	1,005	880	849	928	926	5
6	Mid Columbia	268	230	201	234	251	265	252	200	162	180	205	229	6
7	Exchanges	202	91	(42)	11	(161)	(50)	(67)	(252)	(246)	(37)	50	208	7
8	Short Term Firm Purchases	698	701	726	632	577	578	779	779	753	484	493	488	8
9	System Balancing	964	983	1,011	359	489	628	618	648	646	791	634	633	9
10	**Total Purchased Power and Exchange**	**2,991**	**2,866**	**2,630**	**2,039**	**1,982**	**2,295**	**2,548**	**2,380**	**2,194**	**2,267**	**2,310**	**2,484**	10
11	**Total Resources**	**10,084**	**9,625**	**9,220**	**8,326**	**8,487**	**8,936**	**9,294**	**9,108**	**8,852**	**8,413**	**9,095**	**9,563**	11
12	**Special Sales**	3,297	3,067	3,002	2,297	2,325	2,274	1,988	2,069	2,435	2,241	2,336	2,450	12
13	**System Net of Special Sales**	**6,787**	**6,558**	**6,219**	**6,029**	**6,162**	**6,663**	**7,306**	**7,039**	**6,417**	**6,172**	**6,759**	**7,114**	13

Notes:
(1) Includes GP Camas Co-generation

Case UE-
Exhibit PPL/203
Witness: Mark T. Widmer

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Exhibit Accompanying Direct Testimony of Mark T. Widmer

NORMALIZED SOURCES OF PEAK CAPACITY

April 2007

Exhibit PPL/203

PacifiCorp
Normalized Sources of Peak Capacity
12 Months Ending December 2008

Line No.	Description	Winter Peak December MW	% of Total Capacity	Summer Peak July MW	% of Total Capacity	Annual Energy GWH	Annual Energy % of Total Requirement	Line No.
	Company Owned Generation							
1	Hydro	1,012	9.26%	1,084	10.39%	4,529	5.68%	1
2	Thermal (1) (2)	6,364	58.23%	6,327	60.67%	52,883	66.28%	2
3	Wind	74	0.68%	72	0.69%	1,164	1.46%	3
4	**Total Company Owned Generation**	**7,450**	**68.17%**	**7,482**	**71.75%**	**58,576**	**73.41%**	4
	Purchased & Exchanges							
5	Long Term Firm	930	8.51%	1,175	11.27%	7,695	9.64%	5
6	Mid Columbia	476	4.36%	476	4.56%	1,959	2.46%	6
7	Exchanges	1,017	9.31%	113	1.09%	(217)	-0.27%	7
8	Short Term Firm Purchases	400	3.66%	625	5.99%	5,627	7.05%	8
9	System Balancing	654	5.99%	556	5.33%	6,151	7.71%	9
10	**Total Purchased Power and Exchange**	**3,478**	**31.83%**	**2,946**	**28.25%**	**21,216**	**26.59%**	10
11	**Total Resources**	**10,928**	**100.00%**	**10,428**	**100.00%**	**79,792**	**100.00%**	11
12	**Special Sales**	2,709		1,534		21,785		12
13	**System Net of Special Sales**	**8,219**		**8,894**		**58,007**		13

Notes:

(1) Includes GP Camas Co-generation

(2) After Derates, Maintenance and Reserves

300 Ridenour Testimony

Case UE-
Exhibit PPL/300
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Direct Testimony of Judith M. Ridenour

PRICING & TARIFFS

April 2007

Q. Please state your name, business address and present position with PacifiCorp, dba Pacific Power & Light Company (the Company).

A. My name is Judith M. Ridenour. My business address is 825 NE Multnomah St., Suite 2000, Portland, Oregon 97232. My present position is Senior Analyst, Pricing & Cost of Service, in the Regulation Department.

Q. Briefly describe your educational and professional background.

A. I hold a Bachelor of Arts degree in Mathematics from Reed College. I joined the Company in the Regulation Department in October 2000. I assumed my present responsibilities in May 2001.

Q. Please describe your current duties.

A. I am responsible for the preparation of rate design used in retail price filings and related analyses. Since 2001, with levels of increasing responsibility, I have analyzed and implemented rate design proposals throughout the Company's six state service territory, including those contained in the Company's last Oregon General Rate Case, Docket UE-179.

Purpose of Testimony

Q. What are your responsibilities in this proceeding?

A. I will present the Company's proposed prices and proposed tariffs. I will also provide a comparison of existing and estimated customer rates.

Price Change and Tariffs

Q. How does the Company propose to collect the price change from customers?

A. Consistent with past TAM filings and with OAR 860-038-0200 Unbundling, the Company proposes to spread the revenue change to customer classes by a uniform percentage change to the present generation-related revenues being collected through Schedule 200, Cost-Based Supply Service. The revenue change will be applied on a cents per kilowatt-hour basis through revised Schedule 200 rates.

Q. Have you prepared an exhibit showing the calculation of the proposed rate changes?

A. Yes. Exhibit PPL/301 shows the calculation of the proposed change to Schedule 200 rates. Columns 1 and 2 list the Delivery Service schedules receiving Cost-Based Supply Service on Schedule 200. Column 3 shows the forecast kilowatt-hours from UE-179 upon which present rates are based. Column 4 shows the present Schedule 200 Cost-Based Supply Service revenues as approved in the Company's last TAM filing effective January 1, 2007; column 4 excludes Delivery Service revenues. Column 5 calculates the revenue change by Delivery Service schedule. Column 6 translates the revenue change into a cents per kilowatt-hour change which will be added to present Schedule 200 rates.

Q. Please describe Exhibit PPL/302.

A. Exhibit PPL/302 contains the revised Schedule 200, Cost-Based Supply Service. The cents per kilowatt-hour rates shown in Exhibit PPL/301 have been added to the present rates for each Delivery Service schedule listed in Schedule 200. For Delivery Service schedules with multiple rate blocks on Schedule 200, the rate increase applies equally to each block.

Q. Is the Company proposing changes to its one-year option Transition Adjustment tariff (Schedule 294) at this time?

A. No. As indicated in Ms. Kelly's testimony, the Transition Adjustment will be established in November, just prior to the open enrollment window. The Company will file changes to Schedule 294, Transition Adjustment, once the 2008 rates have been posted and are known.

Comparison of Existing and Estimated Customer Rates

Q. What are the overall estimated effects of the changes proposed in this filing?

A. The overall estimated increase to rates is 3.9 percent on a net basis. Exhibit PPL/303 shows the estimated effect of the Company's proposed prices by Delivery Service schedule both base and net of applicable adjustment schedules. The net rates in Columns 7 and 10 exclude effects of the Low Income Bill Payment Assistance Charge (Schedule 91), the BPA Energy Discount (Schedule 98), and the Public Purpose Charge (Schedule 290).

Q. Have you prepared an exhibit which shows a comparison of existing and estimated customer rates?

A. Yes. Exhibit PPL/304 contains monthly billing comparisons for various size customers on each of the main residential, commercial and industrial Delivery Service schedules. Each bill impact is shown in both dollars and percentages. These bill comparisons include the effects of all adjustment schedules including Low Income Bill Payment Assistance Charge (Schedule 91) and the Public Purpose Charge (Schedule 290). The effects of the BPA Energy Discount (Schedule 98) are included only in the bill comparisons for Residential Schedule 4 and Irrigation Schedule 41 as the majority of customers on those schedules qualify for the BPA credit while the majority of customers on the general service schedules do not.

Q. What is the estimated monthly impact to an average size residential customer using 1,000 kilowatt-hours?

A. The estimated monthly impact to a residential customer using 1,000 kilowatt-hours is $2.81.

Q. Does this conclude your direct testimony?

A. Yes.

301 Ridenour Exhibit

Case UE-
Exhibit PPL/301
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Exhibit Accompanying Direct Testimony of Judith M. Ridenour

DEVELOPMENT OF TAM ADJUSTMENT FOR JANUARY 1, 2008

April 2007

PACIFIC POWER & LIGHT COMPANY
DEVELOPMENT OF TAM ADJUSTMENT FOR JANUARY 1, 2008
FORECAST 12 MONTHS ENDED DECEMBER 31, 2007

Line No.	Description	Sch No.	kWh	Sch 200 Present Revenue	Proposed TAM Adjustment Revenue	Proposed TAM Adjustment Cents\kWh
	(1)	(2)	(3)	(4)	(5)	(6) (6)/(3)
	Residential					
1	Residential	4	5,423,447,855	$211,209,746	$14,779,907	0.273
2	**Total Residential**		5,423,447,855	$211,209,746	$14,779,907	
	Commercial & Industrial					
3	Gen. Svc. < 31 kW	23	1,156,146,030	$46,183,677	$3,231,813	0.280
4	Gen. Svc. 31 - 200 kW	28	2,076,346,691	$81,166,615	$5,679,828	0.274
5	Gen. Svc. 201 - 999 kW	30	1,332,132,861	$50,603,643	$3,541,111	0.266
6	Large General Service >= 1,000 kW	48	3,116,065,292	$110,824,805	$7,755,231	0.249
7	Partial Req. Svc. >= 1,000 kW	47	208,767,290	$7,313,641	$511,790	0.249
8	Agricultural Pumping Service	41	108,189,038	$4,217,123	$295,103	0.273
9	**Total Commercial & Industrial**		7,997,647,202	$300,309,504	$21,014,876	
	Lighting					
10	Outdoor Area Lighting Service	15	11,554,534	$247,829	$17,342	0.150
11	Street Lighting Service	50	11,406,000	$203,462	$14,238	0.125
12	Street Lighting Service HPS	51	15,574,917	$438,584	$30,691	0.197
13	Street Lighting Service	52	1,827,840	$39,447	$2,760	0.151
14	Street Lighting Service	53	8,459,069	$77,992	$5,458	0.065
15	Recreational Field Lighting	54	836,416	$13,274	$929	0.111
16	**Total Public Street Lighting**		49,658,776	$1,020,588	$71,418	
17	**Total Sales to Ultimate Consumers**		13,470,753,833	$512,539,838	$35,866,201	
18	**Employee Discount**			($216,385)	($15,142)	
19	**Total Sales with Employee Discount**		13,470,753,833	$512,323,453	$35,851,059	

302 Ridenour Exhibit

Case UE-
Exhibit PPL/302
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Exhibit Accompanying Direct Testimony of Judith M. Ridenour

SCHEDULE 200 PROPOSED TARIFF CHANGES

April 2007

Available

In all territory served by the Company in the State of Oregon.

Applicable

To Residential Consumers and Nonresidential Consumers who have elected to take this service or who have elected to take service under Schedules 212 or 213. This service may be taken only in conjunction with the applicable Delivery Service Schedule. Also applicable to Nonresidential Consumers who, based on the announcement date defined in OAR 860-038-270, do not elect to receive standard offer service under Schedule 220 or direct access service under the applicable tariff. In addition, applicable to some Large Nonresidential Consumers on Schedule 400 whose special contracts require prices under the Company's previously applicable Schedule 48T. For Consumers on Schedule 400 who were served on previously applicable Schedule 48T prices under their special contract, this service, in conjunction with Delivery Service Schedule 48, supersedes previous Schedule 48T.

Nonresidential Consumers who had chosen either service under Schedule 220 or who chose to receive direct access service under the applicable tariff may qualify to return to service under this Schedule after meeting the Returning Service Requirements and making a Returning Service Payment as specified in this Schedule.

Energy Charge

The Monthly Billing shall be the Energy Charge.

Delivery Service Schedule No.			Delivery Voltage Secondary	Primary	Transmission	
4	Per kWh	0 - 500 kWh	3.557¢			(I)
		501-1000 kWh	4.209¢			
		> 1000 kWh	5.185¢			

For Schedule 4, the kilowatt-hour blocks listed above are based on an average month of approximately 30.42 days. Residential kilowatt-hour blocks shall be prorated to the nearest whole kilowatt-hour based upon the number of whole days in the billing period (see Rule 10 for details).

Delivery Service Schedule No.		Secondary	Primary	Transmission	
23	First 3,000 kWh, per kWh	4.538¢	4.422¢		
	All additional kWh, per kWh	3.379¢	3.295¢		
28	First 20,000 kWh, per kWh	4.217¢	4.139¢		
	All additional kWh, per kWh	4.104¢	4.029¢		
30	First 20,000 kWh, per kWh	4.586¢	4.495¢		
	All additional kWh, per kWh	3.981¢	3.891¢		
41	Winter, first 100 kWh/kW, per kWh	6.070¢	5.912¢		
	Winter, all additional kWh, per kWh	4.147¢	4.042¢		(I)

(continued)

Energy Charge *(continued)*

Delivery Service Schedule No.		Secondary	Primary	Transmission	
41	Summer, all kWh, per kWh	4.147¢	4.042¢		(I)

For Schedule 41, Winter is defined as service rendered from December 1 through March 31, Summer is defined as service rendered April 1 through November 30.

		Secondary	Primary	Transmission
47/48	Per kWh On-Peak	4.008¢	3.829¢	3.662¢
	Per kWh, Off-Peak	3.908¢	3.729¢	3.562¢

For Schedule 47 and Schedule 48, On-Peak hours are from 6:00 a.m. to 10:00 p.m. Monday through Saturday excluding NERC holidays. Off-Peak hours are remaining hours.

Due to the expansions of Daylight Saving Time (DST) as adopted under Section 110 of the U.S. Energy Policy Act of 2005, the time periods shown above will begin and end one hour later for the period between the second Sunday in March and the first Sunday in April and for the period between the last Sunday in October and the first Sunday in November.

52	For dusk to dawn operation, per kWh	2.309¢
	For dusk to midnight operation, per kWh	2.309¢
54	Per kWh	1.698¢

15

Type of Luminaire	Nominal Rating	Monthly kWh	RatePer Luminaire
Mercury Vapor	7,000	76	$1.74
Mercury Vapor	21,000	172	$3.95
Mercury Vapor	55,000	412	$9.46
High Pressure Sodium	5,800	31	$0.71
High Pressure Sodium	22,000	85	$1.95
High Pressure Sodium	50,000	176	$4.04

50 **A. Company-owned Overhead System**
Street lights supported on distribution type wood poles: Mercury Vapor Lamps.

Nominal Lumen Rating	7,000 (Monthly 76 kWh)	21,000 (Monthly 172 kWh)	55,000 (Monthly 412 kWh)
Horizontal, per lamp	$1.45	$3.28	$7.87
Vertical, per lamp	$1.45	$3.28	

Street lights supported on distribution type metal poles: Mercury Vapor Lamps.

Nominal Lumen Rating	7,000 (Monthly 76 kWh)	21,000 (Monthly 172 kWh)	55,000 (Monthly 412 kWh)
On 26-foot poles, horizontal, per lamp	$1.45		
On 26-foot poles, vertical, per lamp	$1.45		
On 30-foot poles, horizontal , per lamp		$3.28	
On 30-foot poles, vertical, per lamp		$3.28	
On 33-foot poles, horizontal , per lamp			$7.87

(continued) (I)

Energy Charge *(continued)*

Delivery Service Schedule No.

B. Company-owned Underground System

Nominal Lumen Rating	7,000 (Monthly 76 kWh)	21,000 (Monthly 172 kWh)	55,000 (Monthly 412 kWh)
On 26-foot poles, horizontal, per lamp	$1.45		
On 26-foot poles, vertical, per lamp	$1.45		
On 30-foot poles, horizontal ,per lamp		$3.28	
On 30-foot poles, vertical, per lamp		$3.28	
On 33-foot poles, horizontal , per lamp			$7.87

(I)

	Types of Luminaire	Nominal rating	Monthly kWh	Rate Per Luminaire
51	High Pressure Sodium	5,800	31	$0.93
	High Pressure Sodium	9,500	44	$1.33
	High Pressure Sodium	16,000	64	$1.93
	High Pressure Sodium	22,000	85	$2.56
	High Pressure Sodium	27,500	115	$3.46
	High Pressure Sodium	50,000	176	$5.30
	Metal Halide	9,000	39	$1.18
	Metal Halide	12,000	68	$2.05
	Metal Halide	19,500	94	$2.83
	Metal Halide	32,000	149	$4.49

	Types of Luminaire	Nominal rating	Monthly kWh	Rate Per Luminaire
53	High Pressure Sodium	5,800	31	$0.31
	High Pressure Sodium	9,500	44	$0.43
	High Pressure Sodium	16,000	64	$0.63
	High Pressure Sodium	22,000	85	$0.84
	High Pressure Sodium	27,500	115	$1.14
	High Pressure Sodium	50,000	176	$1.74
	Metal Halide	9,000	39	$0.38
	Metal Halide	12,000	68	$0.67
	Metal Halide	19,500	94	$0.93
	Metal Halide	32,000	149	$1.47
	Metal Halide	107,800	354	$3.49

Non-Listed Luminaire, per kWh 0.987¢

(I)

(continued)

303 Ridenour Exhibit

Case UE-
Exhibit PPL/303
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Exhibit Accompanying Direct Testimony of Judith M. Ridenour

ESTIMATED EFFECTS OF PROPOSED PRICE CHANGE TO SCHEDULE 200

April 2007

PACIFIC POWER & LIGHT COMPANY
ESTIMATED EFFECT OF PROPOSED PRICE CHANGE TO SCHEDULE 200
ON REVENUES FROM ELECTRIC SALES TO ULTIMATE CONSUMERS
DISTRIBUTED BY RATE SCHEDULES IN OREGON
FORECAST 12 MONTHS ENDED DECEMBER 31, 2007

Line No.	Description	Sch No.	No. of Cust	MWh	Present Revenues ($000) Base Rates	Present Adders[1]	Present Net Rates	Proposed Revenues ($000) Base Rates	Proposed Adders[1]	Proposed Net Rates	Change Base Rates ($000)	Base Rates %[2]	Change Net Rates ($000)	Net Rates %[2]	Line No.
	(1)	(2)	(3)	(4)	(5)	(6)	(7) (5) + (6)	(8)	(9)	(10) (8) + (9)	(11) (8) - (5)	(12) (11)/(5)	(13) (10) - (7)	(14) (13)/(7)	
	Residential														
1	Residential	4	467,946	5,423,448	$443,679	$6,617	$450,296	$458,459	$6,617	$465,076	$14,780	3.3%	$14,780	3.3%	1
2	**Total Residential**		467,946	5,423,448	$443,679	$6,617	$450,296	$458,459	$6,617	$465,076	$14,780	3.3%	$14,780	3.3%	2
	Commercial & Industrial														
3	Gen. Svc. < 31 kW	23	70,185	1,156,146	$95,208	($5,434)	$89,774	$98,440	($5,434)	$93,006	$3,232	3.4%	$3,232	3.6%	3
4	Gen. Svc. 31 - 200 kW	28	9,623	2,076,347	$117,957	$11,794	$129,751	$123,637	$11,794	$135,430	$5,680	4.8%	$5,680	4.4%	4
5	Gen. Svc. 201 - 999 kW	30	797	1,332,133	$70,564	$4,463	$75,027	$74,105	$4,463	$78,568	$3,541	5.0%	$3,541	4.7%	5
6	Large General Service >= 1,000 kW	48	222	3,116,066	$139,791	($340)	$139,451	$147,546	($340)	$147,206	$7,755	5.5%	$7,755	5.5%	6
7	Partial Req. Svc. >= 1,000 kW	47	8	208,767	$9,912	($32)	$9,880	$10,424	($32)	$10,392	$512	5.5%	$512	5.5%	7
8	Agricultural Pumping Service	41	6,240	108,189	$11,092	($2,600)	$8,492	$11,387	($2,600)	$8,787	$295	2.7%	$295	3.5%	8
9	Agricultural Pumping - Other	33	2,117	106,792	$1,543	$0	$1,543	$1,543	$0	$1,543	$0	0.0%	$0	0.0%	9
10	**Total Commercial & Industrial**		89,192	8,104,440	$446,067	$7,850	$453,917	$467,082	$7,850	$474,932	$21,015	4.7%	$21,015	4.6%	10
	Lighting														
11	Outdoor Area Lighting Service	15	7,718	11,556	$1,404	$125	$1,529	$1,421	$125	$1,546	$17	1.2%	$17	1.1%	11
12	Street Lighting Service	50	317	11,406	$1,213	$113	$1,326	$1,227	$113	$1,340	$14	1.2%	$14	1.1%	12
13	Street Lighting Service HPS	51	660	15,575	$2,663	$235	$2,898	$2,694	$235	$2,928	$31	1.2%	$31	1.1%	13
14	Street Lighting Service	52	112	1,828	$217	$18	$235	$220	$18	$238	$3	1.3%	$3	1.2%	14
15	Street Lighting Service	53	229	8,459	$525	$56	$581	$530	$56	$586	$5	1.0%	$5	0.9%	15
16	Recreational Field Lighting	54	98	836	$69	$5	$74	$70	$5	$75	$1	1.4%	$1	1.3%	16
17	**Total Public Street Lighting**		9,134	49,660	$6,091	$551	$6,642	$6,162	$551	$6,714	$71	1.2%	$71	1.1%	17
18	**Total Sales to Ultimate Consumers**		566,272	13,577,548	$895,837	$15,018	$910,855	$931,703	$15,018	$946,722	$35,866	4.0%	$35,866	3.9%	18
19	**Employee Discount**			21,641	($438)	($5)	($443)	($453)	($5)	($458)	($15)		($15)		19
20	**Total Sales with Employee Discount**		566,272	13,577,548	$895,399	$15,013	$910,412	$931,250	$15,013	$946,264	$35,851	4.0%	$35,851	3.9%	20
21	AGA Revenue				$1,554		$1,554	$1,554		$1,554	$0		$0		21
22	**Total Sales with Employee Discount and AGA**		566,272	13,577,548	$896,953	$15,013	$911,966	$932,804	$15,013	$947,818	$35,851	4.0%	$35,851	3.9%	22

[1] Excludes effects of the BPA Energy Discount (Schedule 98), Low Income Bill Payment Assistance Charge (Schedule 91) and Public Purpose Charge (Schedule 290).

[2] Percentages shown for Schedules 48 and 47 reflect the combined rate change for both schedules

Case UE-
Exhibit PPL/304
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

Exhibit Accompanying Direct Testimony of Judith M. Ridenour

MONTHLY BILLING COMPARISONS

April 2007

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 4 + Supply Service Schedule 200
Residential Service

kWh	Monthly Billing* Present Price	Monthly Billing* Proposed Price	Difference	Percent Difference
100	$13.82	$14.10	$0.28	2.03%
200	$19.59	$20.16	$0.57	2.91%
300	$25.36	$26.19	$0.83	3.27%
400	$31.12	$32.25	$1.13	3.63%
500	$36.89	$38.29	$1.40	3.80%
600	$44.12	$45.81	$1.69	3.83%
700	$51.35	$53.31	$1.96	3.82%
800	$58.57	$60.82	$2.25	3.84%
900	$65.79	$68.32	$2.53	3.85%
1,000	$73.02	$75.83	$2.81	3.85%
1,100	$81.25	$84.35	$3.10	3.82%
1,200	$89.49	$92.86	$3.37	3.77%
1,300	$97.72	$101.37	$3.65	3.74%
1,400	$105.94	$109.88	$3.94	3.72%
1,500	$114.18	$118.39	$4.21	3.69%
1,600	$122.42	$126.92	$4.50	3.68%
2,000	$155.33	$160.95	$5.62	3.62%
3,000	$237.64	$246.08	$8.44	3.55%
4,000	$319.96	$331.20	$11.24	3.51%
5,000	$402.27	$416.33	$14.06	3.50%

* Net rate including Schedules 91 and 299 and BPA Energy Discount.

Note: Assumed average billing cycle length of 30.42 days.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 23 + Supply Service Schedule 200
General Service - Secondary Delivery Voltage

		Monthly Billing*				Percent Difference	
		Present Price		Proposed Price			
kW Load Size	kWh	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase
5	500	$50	$58	$52	$60	2.87%	2.46%
	750	$67	$75	$69	$77	3.22%	2.88%
	1,000	$84	$92	$87	$95	3.45%	3.14%
	1,500	$117	$126	$122	$130	3.68%	3.44%
10	1,000	$84	$92	$87	$95	3.45%	3.14%
	2,000	$151	$159	$157	$165	3.82%	3.62%
	3,000	$218	$227	$227	$235	3.96%	3.82%
	4,000	$274	$282	$285	$293	4.22%	4.10%
20	4,000	$299	$307	$310	$318	3.86%	3.76%
	6,000	$409	$417	$427	$435	4.23%	4.15%
	8,000	$520	$528	$543	$551	4.44%	4.37%
	10,000	$630	$639	$659	$667	4.57%	4.52%
30	9,000	$625	$633	$651	$659	4.15%	4.10%
	12,000	$791	$799	$826	$834	4.37%	4.33%
	15,000	$957	$965	$1,000	$1,009	4.52%	4.48%
	18,000	$1,123	$1,131	$1,175	$1,183	4.62%	4.59%
31	9,300	$647	$655	$674	$682	4.15%	4.09%
	12,400	$818	$827	$854	$862	4.37%	4.33%
	15,500	$990	$998	$1,034	$1,043	4.52%	4.48%
	18,600	$1,161	$1,169	$1,215	$1,223	4.62%	4.59%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 23 + Supply Service Schedule 200
General Service - Primary Delivery Voltage

		Monthly Billing*				Percent Difference	
		Present Price		Proposed Price			
kW Load Size	kWh	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase
5	500	$49	$57	$51	$59	2.92%	2.51%
	750	$66	$74	$68	$76	3.31%	2.93%
	1,000	$82	$90	$85	$93	3.52%	3.21%
	1,500	$115	$123	$119	$127	3.78%	3.53%
10	1,000	$82	$90	$85	$93	3.52%	3.21%
	2,000	$147	$155	$153	$161	3.91%	3.71%
	3,000	$212	$221	$221	$229	4.07%	3.92%
	4,000	$266	$274	$278	$286	4.34%	4.20%
20	4,000	$291	$299	$302	$310	3.97%	3.86%
	6,000	$398	$406	$415	$423	4.35%	4.26%
	8,000	$505	$513	$528	$536	4.57%	4.49%
	10,000	$612	$621	$641	$649	4.71%	4.65%
30	9,000	$608	$616	$634	$642	4.27%	4.21%
	12,000	$769	$777	$803	$812	4.50%	4.45%
	15,000	$930	$938	$973	$981	4.65%	4.61%
	18,000	$1,091	$1,099	$1,143	$1,151	4.76%	4.72%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 28 + Supply Service Schedule 200
Large General Service - Secondary Delivery Voltage

kW Load Size	kWh	Monthly Billing* Present Price	Monthly Billing* Proposed Price	Percent Difference
15	4,500	$300	$325	8.35%
	7,500	$448	$482	7.48%
	10,500	$597	$639	7.04%
31	9,300	$607	$633	4.33%
	15,500	$913	$957	4.79%
	21,700	$1,218	$1,279	5.03%
40	12,000	$779	$813	4.35%
	20,000	$1,175	$1,231	4.80%
	28,000	$1,561	$1,640	5.06%
60	18,000	$1,164	$1,215	4.36%
	30,000	$1,746	$1,830	4.85%
	42,000	$2,325	$2,444	5.10%
80	24,000	$1,540	$1,607	4.40%
	40,000	$2,312	$2,425	4.88%
	56,000	$3,085	$3,243	5.12%
100	30,000	$1,913	$1,998	4.43%
	50,000	$2,879	$3,020	4.90%
	70,000	$3,845	$4,042	5.14%
200	60,000	$3,760	$3,929	4.50%
	100,000	$5,691	$5,974	4.96%
	140,000	$7,623	$8,018	5.18%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 28 + Supply Service Schedule 200
Large General Service - Primary Delivery Voltage

kW Load Size	kWh	Monthly Billing* Present Price	Monthly Billing* Proposed Price	Percent Difference
15	4,500	$303	$315	4.20%
	7,500	$442	$463	4.79%
	10,500	$581	$611	5.10%
31	9,300	$608	$634	4.32%
	15,500	$896	$940	4.88%
	21,700	$1,182	$1,243	5.18%
40	12,000	$780	$814	4.34%
	20,000	$1,151	$1,208	4.90%
	28,000	$1,514	$1,593	5.22%
60	18,000	$1,164	$1,215	4.36%
	30,000	$1,710	$1,795	4.95%
	42,000	$2,254	$2,372	5.26%
80	24,000	$1,538	$1,606	4.40%
	40,000	$2,263	$2,376	4.99%
	56,000	$2,988	$3,146	5.29%
100	30,000	$1,910	$1,995	4.43%
	50,000	$2,816	$2,957	5.01%
	70,000	$3,722	$3,920	5.31%
200	60,000	$3,736	$3,905	4.53%
	100,000	$5,548	$5,830	5.09%
	140,000	$7,360	$7,755	5.37%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 30 + Supply Service Schedule 200
Large General Service - Secondary Delivery Voltage

kW Load Size	kWh	Monthly Billing* Present Price	Monthly Billing* Proposed Price	Percent Difference
100	30,000	$2,113	$2,195	3.89%
	50,000	$2,954	$3,091	4.64%
	70,000	$3,795	$3,987	5.05%
200	60,000	$3,773	$3,938	4.36%
	100,000	$5,455	$5,729	5.02%
	140,000	$7,137	$7,520	5.37%
300	90,000	$5,546	$5,793	4.45%
	150,000	$8,069	$8,480	5.09%
	210,000	$10,592	$11,167	5.43%
400	120,000	$7,257	$7,586	4.53%
	200,000	$10,620	$11,168	5.16%
	280,000	$13,984	$14,751	5.49%
500	150,000	$8,973	$9,384	4.58%
	250,000	$13,178	$13,863	5.20%
	350,000	$17,382	$18,341	5.52%
600	180,000	$10,690	$11,183	4.61%
	300,000	$15,735	$16,557	5.22%
	420,000	$20,781	$21,932	5.54%
800	240,000	$14,123	$14,781	4.66%
	400,000	$20,850	$21,946	5.26%
	560,000	$27,578	$29,112	5.56%
1000	300,000	$17,556	$18,378	4.68%
	500,000	$25,965	$27,335	5.28%
	700,000	$34,374	$36,292	5.58%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 30 + Supply Service Schedule 200
Large General Service - Primary Delivery Voltage

kW		Monthly Billing*		Percent
Load Size	kWh	Present Price	Proposed Price	Difference
100	30,000	$2,066	$2,148	3.98%
	50,000	$2,888	$3,025	4.74%
	70,000	$3,711	$3,902	5.17%
200	60,000	$3,689	$3,853	4.46%
	100,000	$5,333	$5,607	5.14%
	140,000	$6,977	$7,361	5.50%
300	90,000	$5,420	$5,666	4.55%
	150,000	$7,886	$8,297	5.21%
	210,000	$10,353	$10,928	5.56%
400	120,000	$7,109	$7,438	4.62%
	200,000	$10,398	$10,946	5.27%
	280,000	$13,686	$14,453	5.61%
500	150,000	$8,788	$9,199	4.68%
	250,000	$12,899	$13,584	5.31%
	350,000	$17,010	$17,969	5.64%
600	180,000	$10,468	$10,961	4.71%
	300,000	$15,400	$16,222	5.34%
	420,000	$20,333	$21,484	5.66%
800	240,000	$13,826	$14,484	4.76%
	400,000	$20,403	$21,499	5.37%
	560,000	$26,980	$28,515	5.69%
1000	300,000	$17,184	$18,006	4.78%
	500,000	$25,406	$26,776	5.39%
	700,000	$33,628	$35,545	5.70%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.

Pacific Power & Light Company
Billing Comparison
Delivery Service Schedule 41 + Supply Service Schedule 200
Agricultural Pumping - Secondary Delivery Voltage

		Present Price*			Proposed Price*			Percent Difference		
kW Load Size	kWh	April - November Monthly Bill	December-March Monthly Bill	Annual Load Size Charge	April - November Monthly Bill	December-March Monthly Bill	Annual Load Size Charge	April - November Monthly Bill	December-March Monthly Bill	Annual Load Size Charge
Single Phase										
10	3,000	$157	$176	$185	$165	$185	$185	5.39%	4.78%	0.00%
	5,000	$261	$281	$185	$275	$295	$185	5.38%	5.01%	0.00%
	7,000	$366	$385	$185	$385	$405	$185	5.38%	5.11%	0.00%
Three Phase										
20	6,000	$313	$353	$371	$330	$370	$371	5.38%	4.78%	0.00%
	10,000	$522	$562	$371	$550	$590	$371	5.38%	5.01%	0.00%
	14,000	$731	$771	$371	$770	$810	$371	5.39%	5.11%	0.00%
100	30,000	$1,591	$1,789	$1,504	$1,675	$1,873	$1,504	5.30%	4.72%	0.00%
	50,000	$2,651	$2,849	$1,504	$2,792	$2,990	$1,504	5.30%	4.93%	0.00%
	70,000	$3,712	$3,910	$1,504	$3,909	$4,107	$1,504	5.30%	5.03%	0.00%
300	90,000	$4,772	$5,366	$3,770	$5,025	$5,620	$3,770	5.30%	4.72%	0.00%
	150,000	$7,954	$8,548	$3,770	$8,376	$8,970	$3,770	5.30%	4.93%	0.00%
	210,000	$11,135	$11,729	$3,770	$11,726	$12,320	$3,770	5.30%	5.03%	0.00%

* Net rate including Schedules 91 and 299 and BPA Energy Discount.

Pacific Power & Light Company
Billing Comparison
Delivery Service Schedule 41 + Supply Service Schedule 200
Agricultural Pumping - Primary Delivery Voltage

		Present Price*			Proposed Price*			Percent Difference		
kW Load Size	kWh	April - November Monthly Bill	December-March Monthly Bill	Annual Load Size Charge	April - November Monthly Bill	December-March Monthly Bill	Annual Load Size Charge	April - November Monthly Bill	December-March Monthly Bill	Annual Load Size Charge
Single Phase										
10	3,000	$150	$169	$185	$158	$177	$185	5.64%	4.99%	0.00%
	5,000	$249	$268	$185	$263	$283	$185	5.64%	5.24%	0.00%
	7,000	$349	$368	$185	$369	$388	$185	5.64%	5.35%	0.00%
Three Phase										
20	6,000	$299	$338	$371	$316	$354	$371	5.64%	5.00%	0.00%
	10,000	$498	$537	$371	$527	$565	$371	5.64%	5.24%	0.00%
	14,000	$698	$736	$371	$737	$776	$371	5.64%	5.35%	0.00%
100	30,000	$1,519	$1,712	$1,494	$1,604	$1,796	$1,494	5.55%	4.93%	0.00%
	50,000	$2,532	$2,725	$1,494	$2,673	$2,865	$1,494	5.55%	5.16%	0.00%
	70,000	$3,545	$3,738	$1,494	$3,742	$3,935	$1,494	5.55%	5.27%	0.00%
300	90,000	$4,558	$5,136	$3,760	$4,811	$5,389	$3,760	5.55%	4.93%	0.00%
	150,000	$7,597	$8,175	$3,760	$8,019	$8,596	$3,760	5.55%	5.16%	0.00%
	210,000	$10,636	$11,213	$3,760	$11,226	$11,804	$3,760	5.55%	5.27%	0.00%

* Net rate including Schedules 91 and 299 and BPA Energy Discount.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 48 + Supply Service Schedule 200
Large General Service - Secondary Delivery Voltage
1,000 kW and Over

kW Load Size	kWh	Monthly Billing: Present Price	Monthly Billing: Proposed Price	Percent Difference
1,000	300,000	$16,590	$17,359	4.64%
	500,000	$24,299	$25,581	5.28%
	700,000	$32,008	$33,804	5.61%
2,000	600,000	$32,861	$34,400	4.68%
	1,000,000	$48,279	$50,844	5.31%
	1,400,000	$63,697	$67,288	5.64%
4,000	1,200,000	$65,402	$68,480	4.71%
	2,000,000	$96,079	$101,208	5.34%
	2,800,000	$126,651	$133,832	5.67%
6,000	1,800,000	$97,201	$101,817	4.75%
	3,000,000	$143,059	$150,754	5.38%
	4,200,000	$188,918	$199,690	5.70%

Notes:

On-Peak kWh	61.24%
Off-Peak kWh	38.76%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 48 + Supply Service Schedule 200
Large General Service - Primary Delivery Voltage
1,000 kW and Over

kW Load Size	kWh	Monthly Billing Present Price	Monthly Billing Proposed Price	Percent Difference
1,000	300,000	$15,272	$16,041	5.04%
	500,000	$22,610	$23,892	5.67%
	700,000	$29,948	$31,744	5.99%
2,000	600,000	$30,265	$31,804	5.08%
	1,000,000	$44,942	$47,506	5.71%
	1,400,000	$59,618	$63,209	6.02%
4,000	1,200,000	$60,252	$63,330	5.11%
	2,000,000	$89,445	$94,575	5.73%
	2,800,000	$118,535	$125,716	6.06%
6,000	1,800,000	$90,053	$94,669	5.13%
	3,000,000	$133,686	$141,381	5.76%
	4,200,000	$177,320	$188,092	6.07%

Notes:

On-Peak kWh	61.24%
Off-Peak kWh	38.76%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.

Pacific Power & Light Company
Monthly Billing Comparison
Delivery Service Schedule 48 + Supply Service Schedule 200
Large General Service - Transmission Delivery Voltage
1,000 kW and Over

kW		Monthly Billing		Percent
Load Size	kWh	Present Price	Proposed Price	Difference
1,000	300,000	$14,005	$14,775	5.49%
	500,000	$20,987	$22,269	6.11%
	700,000	$27,968	$29,763	6.42%
2,000	600,000	$27,742	$29,281	5.55%
	1,000,000	$41,705	$44,270	6.15%
	1,400,000	$55,668	$59,259	6.45%
4,000	1,200,000	$55,217	$58,295	5.57%
	2,000,000	$82,983	$88,112	6.18%
	2,800,000	$110,645	$117,826	6.49%
6,000	1,800,000	$82,824	$87,441	5.57%
	3,000,000	$124,317	$132,011	6.19%
	4,200,000	$165,810	$176,582	6.50%

Notes:

On-Peak kWh	56.02%
Off-Peak kWh	43.98%

* Net rate including Schedules 91 and 299 and not including BPA Energy Discount.