PACIFIC POWER
A DIVISION OF PACIFICORP

825 NE Multnomah, Suite 2000
Portland, Oregon 97232

April 1, 2008

***VIA ELECTRONIC FILING***
***& OVERNIGHT DELIVERY***

Oregon Public Utility Commission
550 Capitol Street NE, Ste 215
Salem, OR 97301-2551

Attn: Vikie Bailey-Goggins, Administrator
Regulatory and Technical Support

**Re: Advice Filing 08-006**
PacifiCorp's 2009 Transition Adjustment Mechanism
Schedule 200, Cost-Based Supply Service

PacifiCorp (dba Pacific Power) submits for filing an original and five copies of Cost-Based Supply Service Schedule 200 - PacifiCorp's 2009 Transition Adjustment Mechanism (TAM). The Company is requesting an effective date of January 1, 2009 for these tariff sheets. PacifiCorp makes this filing concurrently with the filing of its Renewable Adjustment Clause (RAC), Schedule 202, Renewable Adjustment Clause.

PacifiCorp waives paper service in this docket and requests that communications on this filing be addressed to the parties identified in subsection (D) herein.

## A. Description of Filing

Pursuant to Commission Order No. 05-1050 in Docket UE 170, the TAM is filed each year on or about April 1. The purpose of the TAM filing is to update net power costs for 2009 and to set transition credits for Oregon customers who choose direct access in the November open enrollment window.

This tariff filing is supported by testimony and exhibits from Company witnesses addressing overall net power costs and pricing. The testimony and exhibits contained in this filing address the OAR Division 22 requirements for filing tariffs or schedules that change rates.

## B. Proposed Procedural Schedule

The TAM follows a schedule designed to produce a Commission order by November 1. This is the same general schedule proposed for the Company's RAC. As noted earlier, the Company is filing its RAC concurrently with this TAM filing through a separate advice filing. For efficiency, PacifiCorp proposes adoption of the same procedural schedule in both dockets. PacifiCorp proposes adoption of a schedule in both cases similar to that followed in previous TAM dockets. A proposed procedural schedule is described as follows:

| | |
|---|---|
| TAM Filed | April 1 |
| Prehearing Conference | April 25 |
| Staff and Intervenor Testimony Due | June 25 |
| Settlement Conference | July 9 |
| Rebuttal Testimony Due | July 30 |
| Hearing | August 12 |
| Target Commission Decision | October 16 |
| Effective Date for New Rates | January 1, 2009 |

To allow for the parties to conduct their review of the filing within this schedule, the Company requests the scheduling of a prehearing conference in this docket as soon as practicable and suggests April 25. Also, the Company will be filing a motion for protective order shortly to expedite discovery in this docket.

**C. Tariff Sheets**

| | |
|---|---|
| Thirteenth Revision of Sheet No. 200-1 | Schedule 200 Cost-Based Supply Service |
| Thirteenth Revision of Sheet No. 200-2 | Schedule 200 Cost-Based Supply Service |
| Twelfth Revision of Sheet No. 200-3 | Schedule 200 Cost-Based Supply Service |

**D. Correspondence**

It is respectfully requested that all communications related to this filing be addressed to:

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Additionally, PacifiCorp respectfully requests that all data requests regarding this matter be addressed to:

By e-mail (preferred): datarequest@pacificorp.com

By fax: (503) 813-6060

By regular mail: Data Request Response Center
PacifiCorp
825 NE Multnomah, Suite 2000
Portland, OR 97232

Please direct informal correspondence and questions regarding this filing to Joelle Steward, Regulatory Manager, at (503) 813-5542.

A copy of this filing has been served on all parties to PacifiCorp's last TAM proceeding, UE 191, as indicated on the attached certificate of service.

Very truly yours,

Andrea L. Kelly / NJ

Andrea L. Kelly
Vice President, Regulation
Enclosures

cc: UE 191 Service List

## CERTIFICATE OF SERVICE

I hereby certify that on this 1st day of April, 2008, I caused to be served, via E-Mail and Overnight Delivery (to those parties who have not waived paper service), a true and correct copy of PacifiCorp's Advice 08-006 - 2009 Transition Adjustment Mechanism to the following:

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Ariel Son

Ariel Son
Coordinator, Administrative Services

**BEFORE THE PUBLIC UTILITY COMMISSION**
**OF THE STATE OF OREGON**

**PACIFICORP**

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**2009 TRANSITION ADJUSTMENT MECHANISM (TAM)**

**Direct Testimony and Exhibits**

**April 2008**

Case UE-
Exhibit PPL/100
Witness: Gregory N. Duvall

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Direct Testimony of Gregory N. Duvall**

**2009 TRANSITION ADJUSTMENT MECHANISM**

April 2008

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

A. My name is Gregory N. Duvall, my business address is 825 NE Multnomah St., Suite 600, Portland, Oregon 97232, and my present title is Director, Long Range Planning and Net Power Costs.

**Qualifications**

**Q. Briefly describe your education and business experience.**

A. I received a degree in Mathematics from University of Washington in 1976 and a Masters of Business Administration from University of Portland in 1979. I was first employed by Pacific Power in 1976 and have held various positions in resource and transmission planning, regulation, resource acquisitions and trading. From 1997 through 2000 I lived in Australia where I managed the Energy Trading Department for Powercor, a PacifiCorp subsidiary at that time. After returning to Portland, I was involved in direct access issues in Oregon, was responsible for directing the analytical effort for the Multi-State Process ("MSP"), and currently direct the work of the integrated resource planning group, the load forecasting group, the forward pricing group, and the net power cost group in the Company.

**Summary of Testimony**

**Q. Will you please summarize your testimony?**

A. I present the Company's proposed 2009 Transition Adjustment Mechanism (TAM) net power costs. Specifically, my testimony:

- Summarizes the purpose and content of the filing,
- Describes the primary drivers of the increase in the Company's net power

costs,

- Explains how the filing comports with Commission Order No. 07-446 in UE 191, PacifiCorp's 2008 TAM filing,
- Describes the updates to the Generation and Regulation Initiatives Decision Tools (GRID) model 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 (Exhibit PPL/102).
- Provides and explains the updated inter-jurisdictional allocation factors used in this filing and incorporated into PacifiCorp's Renewable Adjustment Clause (RAC), filed concurrently with this filing.

**Summary of PacifiCorp's 2009 TAM Filing**

**Q. Please provide background on the Company's 2009 TAM filing.**

A. The TAM is PacifiCorp's annual filing to update its net variable power costs in rates. The updated power costs are used to set the transition adjustment for direct access and, in this case, become effective in rates on January 1, 2009. This is the Company's fourth TAM filing. It is the first TAM filing the Company is making concurrently with a RAC filing.

**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, 2009) are approximately $1,129 million.

**Q. How do the 2009 system-wide net power costs compare with the level currently included in rates?**

**A.** The Company's 2009 system-wide net power costs are approximately $148.9 million higher than the $980.2 million included in current rates through the 2008 TAM (UE 191).

**Q. What is the estimated amount of the increase in net power costs upon which the Transition Adjustment will be based for calendar year 2009?**

A. As illustrated in Exhibit PPL/101, on an Oregon-allocated basis, the Company's forecast normalized net power costs for calendar year 2009 are approximately $288.6 million. I discuss the updated interjurisdictional allocation factors used in Exhibit PPL/101 in the last section of my testimony. This is approximately $41.2 million higher than current net power costs in Oregon rates, $247.4 million. As explained in Ms. Ridenour's testimony, this will result in an overall increase to net rates of approximately 4.4 percent.

**Primary Drivers of Increase in PacifiCorp's Net Power Costs**

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

A. The primary drivers of the cost increases are higher costs of hydro resources, higher coal prices, higher gas costs, and system load growth.

**Q. Why have hydro costs increased in this case?**

A. The Company has experienced various cost increases associated with its Mid-Columbia contracts, including a decreasing share of purchases under the contract terms, the expiration of a short-term purchase from Douglas County Public Utility District that was included in UE 191, and purchase contract cost increases.

Additionally, the Company has refined its hydro modeling to better reflect historical hydro availability and to verify the assumptions and outputs of the VISTA model.

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

A. Similar to last year's TAM filing, the coal price increases at our generation facilities are being driven primarily by normal escalation of contract price indices and the impact of new contract pricing. These increases are partially offset by a reduction in mine operating costs at Company-owned mines.

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

A. Gas prices have generally trended upward over the last several years and the Company expects this trend to continue in 2009. PacifiCorp's gas costs reflect market prices, plus cost increases or decreases to reflect PacifiCorp's hedged position. In this case, the Company forecast gas costs increase at less than market rates, due to the Company's gas hedges.

**Q. How does increased retail load impact the Company's proposed net power costs?**

A. This filing reflects an increase of over three percent over loads reflected in UE 191. All else held constant, increased load would generally lead to higher net power costs.

**Q. Are the cost increases in PacifiCorp's 2009 TAM due to load growth and other factors partially offset by the inclusion of the near-zero variable cost renewable energy facilities expected to be in service during the test period?**

A. Yes. The Company's new wind generation facilities contribute 1.4 million megawatt hours of near-zero cost energy to the net power cost calculation, which is enough to offset about 66 percent of the incremental system load growth. The net power costs include forecasted generation of the 94 megawatt Goodnoe Hills wind generation facility located in Oregon, which is expected to be in service June 2008; the 70 megawatt Marengo expansion wind generation facility located in Washington, which is expected to be in service by August 2008; as well as Glenrock, Rolling Hills, and Seven Mile Hill wind plants that are all located in Wyoming each with 99 megawatts of capacity and expected to be in service in December 2008. The net power costs also continue to include the forecasted output of the 100 megawatt Leaning Juniper wind facility that came on line in September 2006 and the 140 megawatt Marengo wind facility that came on line in August 2007, which total to 0.7 million megawatt hours of generation.

Because PacifiCorp owns these wind facilities, the variable cost of the generation included in the net power costs is close to zero. There is a projected $1.14 per megawatt hour charge for intra-hour integration of wind generation into the Company's resource portfolio. Thus, customers will be receiving the benefits of this near-zero variable cost generation 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. Similarly, if the projected in-service dates are moved beyond January 1, 2009 or the resources are otherwise not included in the RAC, the generation and costs of the plant will be excluded from the 2009 TAM.

**Q. Are customers paying any of the capacity or fixed costs from these renewable energy facilities?**

A. Not at this time. The fixed costs of these facilities are not currently being recovered through the TAM or other adjustment mechanism. However, a deferral account has been set up to capture the non-net power costs of the Leaning Juniper facility as of September 2007 and Marengo as of January 2008. The Company is requesting recovery of the costs of the additional wind facilities through the RAC.

**Q. Are there any other facilities that contribute energy to the net power cost calculation but have fixed costs that are not yet included in rates?**

A. Yes. The Lake Side power plant contributes 2.6 million megawatt hours to the net power cost calculations priced at only the cost of fuel for the plant. The fixed costs of the Lake Side plant will not be included in rates in 2009.

**Incorporation of UE 191 Adjustments in the 2009 TAM**

**Q. Does this filing incorporate the primary adjustments from Order No. 07-446 approving the 2008 TAM?**

A. Yes. To streamline the filing, the Company has updated and incorporated the following adjustments: short-term wholesale trading margin, thermal outages the Commission determined were caused by management failure, and the accepted adjustments related to operating reserves, combustion turbine reserve capability, and west to east reserve transfer capability. The adjustments for wholesale trading margin and thermal outages are the subject of on-going investigations at the Commission (Dockets UM 1340 and UM 1355, respectively). While these investigations are pending, the Company has accepted the wholesale trading margin and thermal outage adjustments for this case, despite concerns about incorporating adjustments based upon actual results into normalized power costs.

**Q. Please explain the short-term wholesale trading margin adjustment.**

A. In UE 191, the Commission ordered the Company to include $0.8 million on an Oregon-allocated basis for margins associated with its short-term trading activities. The amount was based on the Company's average historical differences between revenues and expenses of its trading activities in the last four years. In the current proceeding, the Company used the same methodology and the four-year period of 2004 through 2007. The average net revenue during this period is $4.5 million on a total Company basis, and $1.2 million on an Oregon-allocated basis.

**Q. Please explain the thermal outage adjustment.**

A. In UE 191, the Commission ordered the Company to exclude two outages that the Commission determined were caused by management failure. Additionally, the Commission ordered the Company to limit the length of an outage caused by a manufacturer defect. This outage has rolled out of the 48-month period. The adjustments for the two outages are reflected in this case as in the 2008 TAM.

**Q. Please explain the adjustments that the Company accepted in UE 191.**

A. In UE 191, the Company agreed with Staff and the Industrial Customers of Northwest Utilities (ICNU) on adjustments made to operating reserves, combustion turbine reserve capability, and west to east reserve transfer capability. In the current filing, the adjustments were incorporated with updated data.

**Q. How has the Company addressed the other modeling adjustments and issues in UE 191?**

A. In UE 191, the Company agreed to exclude the West Valley peakers from the calculation, and to exclude certain call option contracts if removing their dispatch and the corresponding variable costs would reduce the net power costs. Because the contract to lease the West Valley plant and those call option contracts have since expired, the adjustments to exclude them are no longer necessary. In addition, the Commission has previously determined that the Company correctly modeled the minimum generation level of the Cholla 4 plant at 250 megawatts. For simplicity, Cholla 4's minimum generation level remains at 250 megawatts in this filing, while the Company has re-rated it to 300 megawatts.

**Q. Does the Company intend to follow the same process for updating net power cost estimates in this case as used in UE 191 and other TAM filings?**

A. Yes. 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 cost updates for wholesale sales, purchases, fuel and wheeling expenses. In early November, 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 cost updates for wholesale sales, purchases, fuel and wheeling expenses. In mid 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 2009.

The exact dates of these updates will be determined at the pre-hearing conference in this proceeding.

**Determination of Net Power Costs**

**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.

**Q. Is the Company using an updated version of the GRID model as compared to the 2008 TAM, UE 191?**

A. Yes. The Company's proposed net power costs were developed using version 6.2 of the GRID model. In UE 191, the Company used GRID version 6.1. As agreed in UE 191, in advance of this filing, the Company notified ICNU, Citizens' Utility

Board and Staff of its intention to use GRID version 6.2 for its 2009 TAM filing. No party objected to its use for the filing.

**Q. Please generally describe the improvements in the GRID model reflected in version 6.2, including whether they impact net power costs.**

A. The first change enhances the system balancing logic to better recognize economic displacement by decommitting eligible thermal units. Previously, the Company used a manual workaround. The net power cost impact of this change ranges from no change to a decrease depending upon parameters of the entire portfolio of resources. The study that the Company did during the user acceptance testing based on net power costs in UE 191 showed a decrease in net power costs by $5.1 million on a total Company basis.

The second change improves the dispatch of resources with zero minimum up and down time settings. The net power cost impact is either a small decrease or a small increase depending upon parameters of the entire portfolio of resources. The study that the Company did during the user acceptance testing based on net power costs in UE 191 showed an increase in net power costs by $149,975 on a total Company basis.

The third change provides the capability to include a loss payment for transmission losses as part of the total hourly transmission link cost. Because there are no contracts modeled as such in this filing, there is no net power cost impact from this change.

The fourth change provides the capability to include a capacity payment and other costs in the total monthly transmission link cost. Because there are no contracts modeled as such in this filing, there is no net power cost impact from this change.

The fifth change improves the efficiency of the system balancing algorithm. The sixth change provides enhanced functionality for greater analyst efficiency. There is no net power cost impact associated with either of these changes.

**GRID Model Inputs and Outputs**

**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 capacity, heat rates, thermal planned maintenance and outages inputs were updated for this filing.

**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/102. 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/103.**

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/104.**

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 normalized 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.

**Updates in Allocation Factors**

**Q. Are the total Company net power costs allocated to Oregon in the same manner as in UE 191?**

A. Yes. Total Company net power costs are allocated to Oregon based on the Commission authorized Multi-State Process Revised Protocol inter-jurisdictional cost allocation method. The major allocation factors are developed based on Oregon's retail load as the percentage of total Company load in terms of energy and coincidental peaks.

**Q. Have Oregon's allocation factors changed since UE 191?**

A. Yes. Oregon's allocation factors change each year due to changes in peak and energy requirements. The two primary allocation factors related to net power costs are the System Generation (SG) factor and the System Energy (SE) factor. These factors are based on each state's relative contribution to system peak and energy requirements. In 2009, Oregon's SG and SE allocation factors are slightly higher than those used in UE 191. The SG factor increases from 25.977 percent to 26.411 percent. The SE factor increases from 25.465 percent to 25.525 percent.

**Q. Please explain why Oregon's allocation factors are slightly higher than those used in UE 191.**

A. The difference is mainly due to changes in projected coincidental peak load. Compared with actual weather normalized coincidental peak load, the projected Oregon coincidental peak loads in UE 191 were somewhat understated. As a result, the Oregon allocation factors in UE 191 were somewhat understated, along with Oregon-allocated costs. The graph at the top of page 1 in Exhibit PPL/105 shows the coincidental peaks in a four-year period. 2006 and 2007 in the Exhibit are actual weather normalized coincidental peaks, 2008 is the projected coincidental peaks in UE 191, and 2009 is the projected coincidental peaks in the current proceeding. The Exhibit illustrates that the projected drop in Oregon's coincidental peak loads from UE 191 was not consistent with the overall trend. The graph at the bottom of page 1 in Exhibit PPL/105 further demonstrates that the drop in Oregon coincidental peak loads in UE 191 was not consistent with the changes in Oregon energy load.

**Q. Are the Company's most recent coincidental peak forecasts more consistent with overall trends and energy forecasts?**

A. Yes. The current projected Oregon coincidental peaks in both 2008 and 2009 are more in line with overall trends, which is shown at the top of page 2 in Exhibit PPL/105. The decrease in Oregon coincidental peak loads as projected in UE 191 has not materialized. As the result, the Oregon allocation factors in this proceeding are slightly higher than the understated ones that were included in UE 191. The graph at the bottom of page 2 in Exhibit PPL/105 shows the energy over the four-year period in the current forecast, which has the same pattern as the changes in Oregon coincidental peaks over the years.

**Q. Does this conclude your direct testimony?**

A. Yes.

PPL/101
Duvall Exhibit

Case UE-
Exhibit PPL/101
Witness: Gregory N. Duvall

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Exhibit Accompanying Direct Testimony of Gregory N. Duvall**

**OREGON-ALLOCATED NET POWER COSTS**

April 2008

## Allocated NPC to Oregon for TAM

| | | TOTAL COMPANY | | | FACTOR | | OREGON | |
|---|---|---|---|---|---|---|---|---|
| | ACCOUNT | UE-191 | CY 2009 | | UE-191 | CY 2009 | UE-191 | CY 2009 |
| **Sales for Resale** | | | | | | | | |
| Existing Firm PPL | 447 | 24,333,468 | 24,282,692 | SG | 25.977% | 26.411% | 6,321,208 | 6,413,406 |
| Existing Firm UPL | 447 | 26,154,379 | 25,490,590 | SG | 25.977% | 26.411% | 6,794,234 | 6,732,429 |
| Post-Merger Firm | 447 | 2,097,277,718 | 926,901,220 | SG | 25.977% | 26.411% | 544,818,752 | 244,807,867 |
| Non-Firm | 447 | - | - | SE | 25.465% | 25.525% | - | - |
| **Total Sales for Resale** | | 2,147,765,564 | 976,674,502 | | | | 557,934,195 | 257,953,702 |
| **Purchased Power** | | | | | | | | |
| Existing Firm Demand PPL | 555 | 72,620,358 | 71,979,766 | SG | 25.977% | 26.411% | 18,864,899 | 19,010,886 |
| Existing Firm Demand UPL | 555 | 50,238,162 | 47,419,394 | SG | 25.977% | 26.411% | 13,050,581 | 12,524,140 |
| Existing Firm Energy | 555 | 93,251,746 | 88,770,208 | SE | 25.465% | 25.525% | 23,746,920 | 22,658,406 |
| Post-merger Firm | 555 | 1,798,247,893 | 804,581,876 | SG | 25.977% | 26.411% | 467,138,503 | 212,501,579 |
| Secondary Purchases | 555 | - | - | SE | 25.465% | 25.525% | - | - |
| Seasonal Contracts | 555 | 9,197,540 | 9,513,690 | SSGC | 23.565% | 24.488% | 2,167,404 | 2,329,710 |
| Other Generation Expense | 555 | - | 3,278,604 | SG | | 26.411% | - | 865,926 |
| **Total Purchased Power** | | 2,023,555,698 | 1,025,543,538 | | | | 524,968,306 | 269,890,647 |
| **Wheeling Expense** | | | | | | | | |
| Existing Firm PPL | 565 | 32,639,496 | 31,366,571 | SG | 25.977% | 26.411% | 8,478,901 | 8,284,360 |
| Existing Firm UPL | 565 | 157,430 | 172,448 | SG | 25.977% | 26.411% | 40,896 | 45,546 |
| Post-merger Firm | 565 | 72,742,842 | 81,123,193 | SG | 25.977% | 26.411% | 18,896,717 | 21,425,795 |
| Non-Firm | 565 | 420 | 144,177 | SE | 25.465% | 25.525% | 107 | 36,801 |
| **Total Wheeling Expense** | | 105,540,188 | 112,806,389 | | | | 27,416,621 | 29,792,502 |
| **Fuel Expense** | | | | | | | | |
| Fuel Consumed - Coal | 501 | 504,036,230 | 513,042,882 | SE | 25.465% | 25.525% | 128,354,785 | 130,953,100 |
| Cholla / APS Exchange | 501 | 54,138,635 | 55,371,186 | SSECH | 23.497% | 25.914% | 12,721,205 | 14,348,737 |
| Fuel Consumed - Gas | 501 | 20,256,747 | 7,652,800 | SE | 25.465% | 25.525% | 5,158,459 | 1,953,361 |
| Natural Gas Consumed | 547 | 399,872,050 | 369,250,420 | SE | 25.465% | 25.525% | 101,828,972 | 94,250,381 |
| Simple Cycle Combustion Turbines | 547 | 16,906,672 | 18,666,117 | SSECT | 23.497% | 23.941% | 3,972,639 | 4,468,777 |
| Steam from Other Sources | 503 | 3,670,593 | 3,442,195 | SE | 25.465% | 25.525% | 934,731 | 878,613 |
| **Total Fuel Expense** | | 998,880,927 | 967,425,599 | | | | 252,970,791 | 246,852,969 |
| **Net Power Cost** | | 980,211,249 | 1,129,101,025 | | | | 247,421,525 | 288,582,416 |
| | | | | | | | **Variance from UE-191:** | **41,160,891** |

Case UE-
Exhibit PPL/102
Witness: Gregory N. Duvall

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Exhibit Accompanying Direct Testimony of Gregory N. Duvall**

**NET POWER COST REPORT**

April 2008

PPL/102
Duvall/1

PacifiCorp

# 00_Oregon 2009 TAM_2008Mar25

Net Power Cost Analysis

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| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Special Sales For Resale** | | | | | | | | | | | | | |
| Long Term Firm Sales | | | | | | | | | | | | | |
| Black Hills | 11,317,890 | 948,943 | 908,735 | 958,367 | 933,011 | 946,738 | 927,004 | 960,790 | 955,806 | 934,234 | 952,736 | 930,335 | 961,192 |
| BPA Wind | 2,787,349 | 352,698 | 247,030 | 301,861 | 201,112 | 198,610 | 150,241 | 109,926 | 129,581 | 170,430 | 222,814 | 337,029 | 366,017 |
| Hurricane Sale | 985,499 | 82,125 | 82,125 | 82,125 | 82,125 | 82,125 | 82,125 | 82,125 | 82,125 | 82,125 | 82,125 | 82,125 | 82,125 |
| LADWP (IPP Layoff) | 25,490,590 | 2,164,955 | 1,955,442 | 2,164,955 | 2,095,116 | 2,164,955 | 2,095,116 | 2,164,955 | 2,164,955 | 2,095,116 | 2,164,955 | 2,095,116 | 2,164,955 |
| PSCO | 48,849,240 | 4,240,625 | 3,942,757 | 4,006,587 | 3,915,099 | 4,006,589 | 3,959,779 | 4,240,624 | 4,240,626 | 4,091,690 | 4,010,843 | 3,953,397 | 4,240,626 |
| Salt River Project | 14,269,881 | 1,217,632 | 1,078,128 | 1,104,980 | 956,136 | 1,069,002 | 1,184,916 | 1,493,424 | 1,469,340 | 1,269,540 | 1,103,237 | 1,092,252 | 1,231,294 |
| Sierra Pac 2 | 5,543,592 | 2,903,876 | 2,639,717 | - | - | - | - | - | - | - | - | - | - |
| SMUD | 12,964,801 | 1,554,000 | 1,332,000 | 262,700 | - | - | - | 1,239,500 | 1,916,600 | 1,657,600 | 1,394,900 | 1,517,000 | 2,090,500 |
| UAMPS s404236 | 641,280 | 59,520 | 53,760 | 59,520 | 57,600 | 59,520 | 57,600 | 59,520 | 59,520 | 57,600 | 59,520 | 57,600 | - |
| UMPA II | 9,769,272 | 603,875 | 571,475 | 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 | 132,619,395 | 14,128,249 | 12,811,168 | 9,544,970 | 8,833,274 | 9,131,414 | 9,405,701 | 12,162,489 | 12,443,697 | 11,164,916 | 10,595,004 | 10,657,928 | 11,740,584 |
| Short Term Firm Sales | | | | | | | | | | | | | |
| COB | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Colorado | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Four Corners | 35,536,750 | 5,902,300 | 5,324,400 | 5,902,300 | 5,011,950 | 5,158,800 | 5,018,400 | 1,086,800 | 1,086,800 | 1,045,000 | - | - | - |
| Idaho | 5,358,240 | - | - | - | - | - | - | - | - | - | 1,712,880 | 1,844,640 | 1,800,720 |
| Mid Columbia | 94,705,815 | 23,024,440 | 21,065,760 | 23,024,440 | 825,675 | 937,400 | 828,400 | - | - | - | 8,720,400 | 7,840,200 | 8,439,100 |
| Mona | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Palo Verde | 206,151,268 | 21,015,100 | 18,870,000 | 21,015,100 | 17,554,828 | 18,085,020 | 17,577,720 | 21,951,600 | 21,951,600 | 21,277,500 | 8,731,500 | 9,089,400 | 9,031,900 |
| SP15 | 27,175,675 | 2,655,200 | 2,366,400 | 2,655,200 | 1,734,675 | 1,969,400 | 1,740,400 | 2,845,400 | 2,845,400 | 2,776,000 | 1,786,200 | 1,923,600 | 1,877,800 |
| Utah | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Washington | - | - | - | - | - | - | - | - | - | - | - | - | - |
| West Main | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Wyoming | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STF Index Trades | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STF Trading Margin | 4,466,479 | 372,207 | 372,207 | 372,207 | 372,207 | 372,207 | 372,207 | 372,207 | 372,207 | 372,207 | 372,207 | 372,207 | 372,207 |
| Total Short Term Firm Sales | 373,394,227 | 52,969,247 | 47,998,767 | 52,969,247 | 25,499,334 | 26,522,827 | 25,537,127 | 26,256,007 | 26,256,007 | 25,470,707 | 21,323,187 | 21,070,047 | 21,521,727 |
| System Balancing Sales | | | | | | | | | | | | | |
| COB | 155,389,749 | 16,144,698 | 13,677,485 | 15,262,579 | 10,941,367 | 11,413,080 | 9,379,573 | 6,465,835 | 12,320,533 | 13,035,771 | 13,401,592 | 13,866,774 | 19,480,462 |
| Four Corners | 260,755,662 | 26,647,602 | 21,346,674 | 15,841,123 | 11,190,765 | 10,768,120 | 14,702,646 | 24,461,600 | 25,562,912 | 25,715,418 | 24,441,860 | 31,528,272 | 28,548,670 |
| Mid Columbia | 26,059,240 | 303,834 | 139,312 | 303,435 | 6,248,739 | 1,250,211 | 1,114,518 | 2,044,281 | 2,508,975 | 9,225,815 | 1,056,768 | 1,430,155 | 433,199 |
| Mona | 21,601,319 | 2,951,910 | 1,347,401 | 1,523,361 | 1,798,572 | 2,613,179 | 2,038,455 | 594,688 | 1,555,562 | 2,685,342 | 548,250 | 950,144 | 2,994,454 |
| Palo Verde | 6,854,591 | 775,878 | 872,572 | 511,020 | 294 | - | - | 191,830 | 74,629 | 206,073 | 1,316,893 | 1,315,314 | 1,590,089 |
| SP15 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total System Balancing Sales | 470,660,880 | 46,823,922 | 37,383,444 | 33,441,517 | 30,179,736 | 26,044,590 | 27,235,513 | 33,758,233 | 42,022,611 | 50,868,419 | 40,765,362 | 49,090,659 | 53,046,873 |
| **Total Special Sales For Resale** | 976,674,502 | 113,921,418 | 98,193,379 | 95,955,734 | 64,512,344 | 61,698,831 | 62,178,340 | 72,176,729 | 80,722,315 | 87,504,042 | 72,683,552 | 80,818,634 | 86,309,184 |

# 00_Oregon 2009 TAM_2008Mar25

Net Power Cost Analysis

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Purchased Power & Net Interchange** | | | | | | | | | | | | | |
| Long Term Firm Purchases | | | | | | | | | | | | | |
| APS Supplemental | 9,266,163 | - | - | 417,728 | 2,212,678 | 2,273,129 | 2,760,922 | 556,682 | 111,893 | 540,771 | 298,637 | 93,726 | - |
| Blanding Purchase | 19,725 | 1,675 | 1,513 | 1,675 | 1,621 | 1,675 | 1,621 | 1,675 | 1,675 | 1,621 | 1,675 | 1,621 | 1,675 |
| Combine Hills | 4,022,824 | 398,151 | 359,620 | 398,151 | 353,473 | 365,256 | 253,597 | 262,050 | 262,050 | 253,597 | 365,256 | 353,473 | 398,151 |
| Deseret Purchase | 31,404,600 | 2,639,240 | 2,525,120 | 2,639,240 | 2,601,200 | 2,639,240 | 2,601,200 | 2,639,240 | 2,639,240 | 2,601,200 | 2,639,240 | 2,601,200 | 2,639,240 |
| Douglas PUD Settlement | 1,723,443 | 85,066 | 81,797 | 110,738 | 154,272 | 235,121 | 247,979 | 195,909 | 152,776 | 102,462 | 124,673 | 114,740 | 117,910 |
| Gemstate | 2,716,400 | 222,200 | 219,500 | 224,300 | 215,100 | 215,100 | 215,100 | 215,100 | 221,500 | 215,100 | 265,600 | 265,600 | 222,200 |
| Georgia-Pacific Camas | 8,713,764 | 758,783 | 685,352 | 758,783 | 734,306 | 538,490 | 734,306 | 758,783 | 758,783 | 734,306 | 758,783 | 734,306 | 758,783 |
| Grant County 10 aMW purchase | 6,839,217 | 559,360 | 452,477 | 500,460 | 521,815 | 570,758 | 578,872 | 732,354 | 763,363 | 606,454 | 489,735 | 456,029 | 607,540 |
| Hermiston Purchase | 98,300,086 | 8,320,950 | 8,017,846 | 6,382,360 | 7,948,141 | 8,254,106 | 8,240,674 | 8,267,463 | 8,423,387 | 8,051,479 | 8,439,431 | 8,973,740 | 8,980,509 |
| Hurricane Purchase | 328,501 | 27,375 | 27,375 | 27,375 | 27,375 | 27,375 | 27,375 | 27,375 | 27,375 | 27,375 | 27,375 | 27,375 | 27,375 |
| Idaho Power RTSA Purchase | 2,842,089 | 225,739 | 232,128 | 233,664 | 84,430 | 44,265 | 250,166 | 375,469 | 391,051 | 301,002 | 205,891 | 226,371 | 271,914 |
| IPP Purchase | 25,490,590 | 2,164,955 | 1,955,442 | 2,164,955 | 2,095,116 | 2,164,955 | 2,095,116 | 2,164,955 | 2,164,955 | 2,095,116 | 2,164,955 | 2,095,116 | 2,164,955 |
| Kennecott Generation Incentive | 8,196,713 | - | - | 445,008 | 503,561 | 498,523 | 288,659 | 1,875,336 | 2,122,795 | 1,717,515 | 745,316 | - | - |
| MagCorp | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MagCorp Reserves | 1,755,360 | 146,280 | 146,280 | 146,280 | 146,280 | 146,280 | 146,280 | 146,280 | 146,280 | 146,280 | 146,280 | 146,280 | 146,280 |
| Morgan Stanley p189046 | 10,683,600 | 904,800 | 835,200 | 904,800 | 904,800 | 870,000 | 904,800 | 904,800 | 904,800 | 870,000 | 939,600 | 835,200 | 904,800 |
| Morgan Stanley p272153-6-8 | 6,120,120 | - | - | - | - | - | 505,000 | 2,807,560 | 2,807,560 | - | - | - | - |
| Nebo Heat Rate Option | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nucor | 4,610,400 | 384,200 | 384,200 | 384,200 | 384,200 | 384,200 | 384,200 | 384,200 | 384,200 | 384,200 | 384,200 | 384,200 | 384,200 |
| P4 Production | 15,415,920 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 | 1,284,660 |
| PGE Cove | 252,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 |
| Rock River | 5,060,792 | 640,370 | 448,515 | 548,067 | 365,145 | 360,602 | 272,783 | 199,585 | 235,270 | 309,438 | 404,546 | 611,920 | 664,551 |
| Roseburg Forest Products | 8,766,071 | 744,516 | 672,466 | 744,516 | 720,499 | 744,516 | 720,499 | 744,516 | 744,516 | 720,499 | 744,516 | 720,499 | 744,516 |
| Small Purchases east | 539,803 | 60,470 | 45,112 | 43,425 | 35,142 | 37,807 | 31,618 | 32,262 | 36,915 | 32,677 | 89,197 | 43,403 | 51,774 |
| Small Purchases west | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tri-State Purchase | 12,611,917 | 1,101,083 | 1,054,682 | 1,005,716 | 890,184 | 1,034,843 | 1,055,550 | 1,108,599 | 1,115,176 | 1,087,495 | 1,009,005 | 1,046,154 | 1,103,432 |
| Weyerhaeuser Reserve | 291,600 | 24,300 | 24,300 | 24,300 | 24,300 | 24,300 | 24,300 | 24,300 | 24,300 | 24,300 | 24,300 | 24,300 | 24,300 |
| Wolverine Creek | 9,035,108 | 894,208 | 807,671 | 894,208 | 793,879 | 820,342 | 569,599 | 588,587 | 588,587 | 569,599 | 820,342 | 793,879 | 894,208 |
| DSM (Irrigation) | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Long Term Firm Purchases Total | 275,006,807 | 21,609,381 | 20,282,256 | 20,305,609 | 23,023,177 | 23,556,543 | 24,215,876 | 26,318,739 | 26,334,106 | 22,698,146 | 22,394,210 | 21,854,792 | 22,413,972 |
| Seasonal Purchased Power | | | | | | | | | | | | | |
| Morgan Stanley p244840 | 5,282,160 | - | - | - | - | - | - | 2,641,080 | 2,641,080 | - | - | - | - |
| Morgan Stanley p244841 | 1,744,080 | - | - | - | - | - | - | 872,040 | 872,040 | - | - | - | - |
| UBS p268850 | 2,487,450 | - | - | - | - | - | 220,750 | 1,133,350 | 1,133,350 | - | - | - | - |
| Seasonal Purchased Power Total | 9,513,690 | - | - | - | - | - | 220,750 | 4,646,470 | 4,646,470 | - | - | - | - |

PPL/102
Duvall/2

PacifiCorp

# 00_Oregon 2009 TAM_2008Mar25

**Net Power Cost Analysis**

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Qualifying Facilities | | | | | | | | | | | | | |
| QF California | 4,196,395 | 417,704 | 490,355 | 615,400 | 708,692 | 686,184 | 535,382 | 183,351 | 77,047 | 61,166 | 76,370 | 107,596 | 237,149 |
| QF Idaho | 4,138,672 | 290,159 | 261,493 | 334,739 | 360,796 | 467,167 | 503,973 | 386,106 | 302,994 | 291,915 | 322,429 | 316,262 | 300,638 |
| QF Oregon | 17,613,321 | 1,728,149 | 1,633,385 | 1,805,389 | 1,905,277 | 1,782,045 | 1,458,656 | 1,190,739 | 1,090,841 | 1,132,120 | 1,142,547 | 1,217,491 | 1,526,682 |
| QF Utah | 729,563 | 48,576 | 57,866 | 65,583 | 70,470 | 72,138 | 67,618 | 62,138 | 57,242 | 57,085 | 74,447 | 55,861 | 40,540 |
| QF Washington | 1,887,075 | 157,293 | 145,673 | 151,700 | 158,750 | 180,742 | 166,826 | 169,341 | 157,596 | 153,581 | 148,405 | 153,308 | 143,859 |
| QF Wyoming | 696,343 | 14,346 | 13,513 | 12,969 | 35,694 | 105,363 | 107,692 | 114,761 | 114,537 | 102,720 | 46,499 | 14,106 | 14,143 |
| Biomass | 26,941,566 | 2,283,074 | 2,087,936 | 2,283,074 | 2,218,028 | 2,283,074 | 2,218,028 | 2,283,074 | 2,283,074 | 2,218,028 | 2,283,074 | 2,218,028 | 2,283,074 |
| Evergreen BioPower QF | 3,238,846 | 286,777 | 258,973 | 286,353 | 275,961 | 223,932 | 275,961 | 282,967 | 289,739 | 274,897 | 287,841 | 276,795 | 218,648 |
| ExxonMobil QF | 34,648,236 | 4,883,254 | 4,112,966 | 3,781,008 | 1,706,040 | 1,456,667 | 1,553,843 | 2,733,151 | 2,916,480 | 843,295 | 2,266,018 | 3,773,172 | 4,622,343 |
| Mountain Wind 1 QF | 10,310,920 | 1,536,385 | 834,197 | 1,095,432 | 580,682 | 595,309 | 501,757 | 659,628 | 911,832 | 781,245 | 723,684 | 1,014,862 | 1,075,907 |
| Mountain Wind 2 QF | 15,640,601 | 2,249,315 | 1,224,472 | 1,688,785 | 869,203 | 862,530 | 813,146 | 1,139,666 | 1,495,352 | 1,184,536 | 1,050,579 | 1,492,672 | 1,570,346 |
| Schwendiman QF | 2,982,929 | 276,455 | 203,543 | 336,775 | 267,995 | 299,912 | 258,618 | 225,351 | 238,755 | 201,059 | 192,090 | 256,186 | 226,190 |
| Simplot Phosphates | 3,681,929 | 306,472 | 281,594 | 306,472 | 298,180 | 316,970 | 308,339 | 316,970 | 316,970 | 308,339 | 316,970 | 298,180 | 306,472 |
| Spanish Fork Wind 2 QF | 3,713,263 | 328,009 | 211,859 | 218,078 | 203,048 | 230,161 | 358,773 | 497,026 | 533,531 | 320,833 | 226,416 | 251,766 | 333,765 |
| Sunnyside | 26,189,368 | 2,298,084 | 2,159,500 | 1,661,145 | 2,198,536 | 2,246,608 | 2,245,399 | 2,298,085 | 2,298,084 | 2,253,113 | 1,975,944 | 2,256,785 | 2,298,085 |
| US Magnesium QF | 11,139,284 | 950,544 | 841,608 | 862,535 | 746,348 | 834,521 | 924,999 | 1,165,734 | 1,147,007 | 991,025 | 861,178 | 852,631 | 961,152 |
| Weyerhaeuser QF | 21,042,790 | 1,853,353 | 1,494,882 | 1,853,352 | 1,319,454 | 1,845,739 | 1,799,952 | 1,853,353 | 1,792,338 | 1,792,338 | 1,860,966 | 1,723,710 | 1,853,352 |
| Qualifying Facilities Total | 188,791,101 | 19,907,951 | 16,313,815 | 17,358,788 | 13,923,154 | 14,489,063 | 14,098,962 | 15,561,440 | 16,023,418 | 12,967,297 | 13,855,457 | 16,279,411 | 18,012,345 |
| Mid-Columbia Contracts | | | | | | | | | | | | | |
| Canadian Entitlement | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chelan - Rocky Reach | 3,963,167 | 330,264 | 330,264 | 330,264 | 330,264 | 330,264 | 330,264 | 330,264 | 330,264 | 330,264 | 330,264 | 330,264 | 330,264 |
| Douglas - Wells | 3,136,126 | 209,029 | 209,029 | 209,029 | 209,029 | 209,029 | 209,029 | 209,029 | 209,029 | 365,973 | 365,973 | 365,973 | 365,973 |
| Grant Displacement | 12,194,297 | 882,567 | 820,510 | 849,708 | 1,150,780 | 1,204,790 | 1,005,459 | 1,177,465 | 969,314 | 959,940 | 1,001,539 | 1,043,244 | 1,128,984 |
| Grant Reasonable | (3,542,067) | (189,478) | (189,478) | (189,478) | (189,478) | (189,478) | (189,478) | (189,478) | (189,478) | (189,478) | (189,478) | (823,645) | (823,645) |
| Grant Meaningful Priority | 22,232,649 | 1,477,114 | 1,477,114 | 1,477,114 | 1,477,114 | 1,477,114 | 1,477,114 | 1,477,114 | 1,477,114 | 1,477,114 | 1,477,114 | 3,730,757 | 3,730,757 |
| Grant Surplus | 891,545 | 54,419 | 54,419 | 54,419 | 54,419 | 54,419 | 54,419 | 54,419 | 54,419 | 54,419 | 54,419 | 173,678 | 173,678 |
| Grant - Wanapum | 13,341,286 | 1,292,653 | 1,292,653 | 1,292,653 | 1,292,653 | 1,292,653 | 1,292,653 | 1,292,653 | 1,292,653 | 1,292,653 | 1,292,653 | 207,378 | 207,378 |
| Mid-Columbia Contracts Total | 52,217,003 | 4,056,567 | 3,994,511 | 4,023,709 | 4,324,780 | 4,378,791 | 4,179,460 | 4,351,465 | 4,143,315 | 4,290,885 | 4,332,484 | 5,027,648 | 5,113,388 |
| Total Long Term Firm Purchases | 525,528,601 | 45,573,899 | 40,590,582 | 41,688,107 | 41,271,111 | 42,424,396 | 42,715,048 | 50,878,115 | 51,147,309 | 39,956,328 | 40,582,151 | 43,161,850 | 45,539,705 |

PacifiCorp

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## Net Power Cost Analysis

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Storage & Exchange | | | | | | | | | | | | | |
| APGI/Colockum Capacity Exchange | - | - | - | - | - | - | - | - | - | - | - | - | - |
| APS Exchange | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Black Hills CTs | 1,383,480 | 114,150 | 114,150 | 114,150 | 114,150 | 114,150 | 114,150 | 116,430 | 116,430 | 116,430 | 116,430 | 116,430 | 116,430 |
| BPA Exchange | - | - | - | - | - | - | - | - | - | - | - | - | - |
| BPA FC II Storage Agreement | - | - | - | - | - | - | - | - | - | - | - | - | - |
| BPA FC IV Storage Agreement | - | - | - | - | - | - | - | - | - | - | - | - | - |
| BPA Peaking | 47,058,002 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 | 3,921,500 |
| BPA So. Idaho Exchange | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cowlitz Swift | - | - | - | - | - | - | - | - | - | - | - | - | - |
| EWEB FC I Storage Agreement | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PSCo Exchange | 1,800,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 |
| PSCO FC III Storage Agreement | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Redding Exchange | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SCL State Line Storage Agreement | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TransAlta p371343/s371344 | (1,644,000) | (186,000) | (168,000) | (186,000) | - | - | - | (186,000) | (186,000) | (180,000) | (186,000) | (180,000) | (186,000) |
| Total Storage & Exchange | 48,597,482 | 3,999,650 | 4,017,650 | 3,999,650 | 4,185,650 | 4,185,650 | 4,185,650 | 4,001,930 | 4,001,930 | 4,007,930 | 4,001,930 | 4,007,930 | 4,001,930 |
| Short Term Firm Purchases | | | | | | | | | | | | | |
| COB | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Colorado | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Four Corners | 4,017,000 | - | - | - | - | - | - | 2,008,500 | 2,008,500 | - | - | - | - |
| Idaho | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mid Columbia | 61,365,648 | 1,283,120 | 1,161,600 | 1,283,120 | - | - | - | 18,307,104 | 18,307,104 | 12,977,700 | 2,572,050 | 2,769,900 | 2,703,950 |
| Mona | 8,747,200 | - | - | - | - | - | - | 2,953,600 | 2,953,600 | 2,840,000 | - | - | - |
| Palo Verde | 22,126,825 | 2,623,700 | 2,341,200 | 2,623,700 | 416,625 | 473,000 | 418,000 | 3,571,400 | 3,571,400 | 3,446,500 | 844,350 | 909,300 | 887,650 |
| SP15 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Utah | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Washington | - | - | - | - | - | - | - | - | - | - | - | - | - |
| West Main | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Wyoming | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STF Electric Swaps | (275,594) | 120,314 | (104,568) | (981,933) | (279,520) | (90,140) | 305,624 | (390,580) | 784,248 | 67,700 | (650,631) | (37,823) | 981,715 |
| STF Index Trades | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Short Term Firm Purchases | 95,981,079 | 4,027,134 | 3,398,232 | 2,924,887 | 137,105 | 382,860 | 723,624 | 26,450,024 | 27,624,852 | 19,331,900 | 2,765,769 | 3,641,377 | 4,573,315 |
| System Balancing Purchases | | | | | | | | | | | | | |
| COB | 6,616,314 | 98,387 | 207,108 | 199,386 | 50,701 | 156,234 | 255,247 | 2,761,929 | 335,447 | 2,572 | 178,938 | 1,979,372 | 390,995 |
| Four Corners | 4,637,794 | 862,459 | 602,596 | 1,186,213 | 16,446 | 133,811 | 50,982 | 2,487 | 270,746 | 119,788 | 1,288,186 | 82,172 | 21,909 |
| Mid Columbia | 165,778,260 | 23,395,646 | 20,453,968 | 23,653,084 | 2,097,621 | 5,322,340 | 6,184,408 | 10,039,536 | 14,206,650 | 3,916,247 | 18,022,638 | 14,312,512 | 24,173,610 |
| Mona | 30,860,103 | 296,372 | 4,144,835 | 2,972,373 | 1,198,426 | 118,902 | 1,164,038 | 4,629,614 | 3,429,457 | 1,493,530 | 8,408,333 | 2,969,015 | 35,208 |
| Palo Verde | 116,945,623 | 11,554,171 | 10,189,984 | 12,109,270 | 7,471,929 | 6,375,067 | 11,608,752 | 17,089,778 | 15,256,976 | 13,107,339 | 4,605,986 | 4,018,311 | 3,558,061 |
| SP15 | 27,287,995 | 2,876,747 | 2,496,404 | 2,677,003 | 1,381,293 | 1,599,613 | 1,441,868 | 2,887,332 | 3,065,889 | 2,903,910 | 1,808,034 | 1,989,032 | 2,160,869 |
| Total System Balancing Purchases | 352,157,772 | 39,083,781 | 38,094,894 | 42,797,329 | 12,248,100 | 13,705,966 | 20,705,295 | 37,410,676 | 36,565,165 | 21,543,386 | 34,312,114 | 25,350,414 | 30,340,652 |
| **Total Purchased Power & Net Inter** | 1,022,264,935 | 92,684,464 | 86,101,359 | 91,409,973 | 57,841,966 | 60,698,873 | 68,329,617 | 118,740,745 | 119,339,256 | 84,839,545 | 81,661,964 | 76,161,571 | 84,455,602 |

PacifiCorp

# 00_Oregon 2009 TAM_2008Mar25

**Net Power Cost Analysis**

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wheeling & U. of F. Expense** | | | | | | | | | | | | | |
| Firm Wheeling | 112,662,213 | 9,252,851 | 9,396,960 | 9,547,185 | 9,289,256 | 8,600,145 | 9,031,587 | 9,390,243 | 9,472,179 | 9,209,544 | 9,817,777 | 10,123,616 | 9,530,872 |
| ST Firm & Non-Firm | 144,177 | 4,048 | 48 | 10,820 | 2,037 | 13,942 | 6,768 | 10,508 | 5,698 | 5,088 | 14,097 | 36,772 | 34,349 |
| **Total Wheeling & U. of F. Expense** | 112,806,389 | 9,256,899 | 9,397,008 | 9,558,004 | 9,291,293 | 8,614,087 | 9,038,355 | 9,400,751 | 9,477,877 | 9,214,632 | 9,831,874 | 10,160,387 | 9,565,221 |
| **Coal Fuel Burn Expense** | | | | | | | | | | | | | |
| Carbon | 14,905,218 | 1,172,756 | 1,216,230 | 811,457 | 1,227,894 | 1,331,703 | 1,284,297 | 1,367,567 | 1,331,301 | 1,185,305 | 1,460,941 | 1,300,995 | 1,214,772 |
| Cholla | 55,371,186 | 4,750,427 | 4,570,249 | 4,550,312 | 3,409,483 | 4,119,980 | 4,315,432 | 4,931,595 | 5,088,126 | 4,552,850 | 5,145,983 | 4,975,396 | 4,961,353 |
| Colstrip | 10,973,785 | 1,026,665 | 900,990 | 968,174 | 958,913 | 644,937 | 657,527 | 963,712 | 954,922 | 963,970 | 961,507 | 977,297 | 995,170 |
| Craig | 18,186,146 | 1,605,537 | 1,419,655 | 1,677,331 | 1,137,215 | 1,561,393 | 1,424,414 | 1,536,248 | 1,501,262 | 1,473,870 | 1,697,598 | 1,564,685 | 1,586,937 |
| Dave Johnston | 52,091,404 | 4,485,258 | 4,173,004 | 4,174,080 | 4,187,026 | 4,324,228 | 4,363,749 | 4,405,373 | 4,547,504 | 3,877,855 | 4,467,480 | 4,534,897 | 4,550,952 |
| Hayden | 11,129,633 | 1,000,042 | 920,755 | 1,024,978 | 636,210 | 973,960 | 909,190 | 961,594 | 905,832 | 878,342 | 995,721 | 921,009 | 1,002,001 |
| Hunter | 108,640,213 | 9,693,043 | 7,788,979 | 6,928,763 | 8,745,501 | 9,584,108 | 9,265,202 | 9,559,330 | 9,153,095 | 9,291,719 | 9,609,419 | 9,237,250 | 9,783,804 |
| Huntington | 74,481,370 | 6,716,714 | 5,870,647 | 6,690,954 | 6,124,128 | 6,760,907 | 6,473,897 | 6,770,320 | 6,139,878 | 6,348,633 | 4,447,091 | 5,486,823 | 6,651,378 |
| Jim Bridger | 126,903,373 | 11,160,348 | 9,631,212 | 9,858,681 | 8,285,908 | 8,837,646 | 10,800,028 | 11,168,431 | 11,870,541 | 11,429,189 | 11,303,321 | 11,395,236 | 11,162,831 |
| Naughton | 76,760,435 | 6,806,013 | 6,131,812 | 6,510,518 | 6,216,136 | 6,435,394 | 6,581,579 | 6,514,951 | 6,909,560 | 6,514,999 | 5,299,277 | 6,224,031 | 6,616,166 |
| Wyodak | 18,971,304 | 1,649,682 | 1,541,849 | 1,628,197 | 1,548,771 | 1,669,105 | 1,609,850 | 1,634,490 | 1,600,458 | 1,383,845 | 1,226,588 | 1,682,186 | 1,796,284 |
| **Total Coal Fuel Burn Expense** | 568,414,068 | 50,066,484 | 44,165,382 | 44,823,443 | 42,477,185 | 46,243,360 | 47,685,165 | 49,813,611 | 50,002,480 | 47,900,577 | 46,614,925 | 48,299,806 | 50,321,649 |
| **Gas Fuel Burn Expense** | | | | | | | | | | | | | |
| Currant Creek | 144,435,900 | 12,986,026 | 11,786,853 | 11,624,254 | 8,170,844 | 7,300,763 | 11,385,460 | 15,495,855 | 16,191,696 | 12,033,969 | 7,504,960 | 13,403,397 | 16,551,823 |
| Gadsby | 7,491,662 | - | - | - | - | - | 1,319,372 | 2,287,392 | 2,437,280 | 1,447,618 | - | - | - |
| Gadsby CT | 18,240,549 | 1,964,839 | 1,416,128 | 710,053 | 660,287 | 1,528,907 | 1,634,634 | 1,992,863 | 1,980,178 | 1,943,293 | 1,595,896 | 1,329,370 | 1,484,100 |
| Hermiston | 61,860,791 | 5,286,652 | 4,989,344 | 3,389,192 | 4,922,116 | 5,221,328 | 5,207,897 | 5,234,310 | 5,386,164 | 5,023,260 | 5,401,760 | 5,895,909 | 5,902,860 |
| Lake Side | 139,962,460 | 12,425,680 | 10,874,947 | 11,329,287 | 7,950,949 | 10,049,032 | 10,745,180 | 14,528,475 | 15,366,500 | 11,191,987 | 7,652,332 | 13,025,273 | 14,822,818 |
| Little Mountain | 10,723,057 | 1,476,342 | 1,323,658 | 1,348,071 | 1,158,870 | 1,122,415 | - | 123,790 | 244,361 | - | 1,215,762 | 1,259,114 | 1,450,674 |
| Total Gas Fuel Burn | 382,714,419 | 34,139,540 | 30,390,930 | 28,400,856 | 22,863,066 | 25,222,445 | 30,292,543 | 39,662,685 | 41,606,180 | 31,640,128 | 23,370,709 | 34,913,063 | 40,212,274 |
| Mark to Market | (468,491) | (40,907) | (36,741) | (44,127) | (49,201) | (50,933) | (48,371) | (44,509) | (43,620) | (41,916) | (49,221) | (10,387) | (8,559) |
| Gas Swaps | 240,502 | (1,695,855) | (1,559,040) | (1,272,705) | 837,225 | 1,133,639 | 791,550 | 48,825 | (130,975) | (186,750) | 910,439 | 1,022,246 | 341,903 |
| Clay Basin Gas Storage | (430,813) | (237,901) | (241,096) | (193,171) | 52,883 | 52,883 | 52,883 | 52,883 | 52,883 | 52,883 | 52,883 | (17,105) | (111,720) |
| Pipeline Reservation Fees | 13,513,721 | 1,130,238 | 1,113,858 | 1,130,238 | 1,122,048 | 1,130,238 | 1,122,048 | 1,130,238 | 1,130,238 | 1,122,048 | 1,130,238 | 1,122,048 | 1,130,238 |
| **Total Gas Fuel Burn Expense** | 395,569,337 | 33,295,115 | 29,667,911 | 28,021,092 | 24,826,021 | 27,488,271 | 32,210,654 | 40,850,122 | 42,614,706 | 32,586,393 | 25,415,049 | 37,029,865 | 41,564,137 |
| **Other Generation** | | | | | | | | | | | | | |
| Blundell | 3,442,195 | 292,435 | 272,817 | 311,752 | 245,326 | 212,428 | 270,837 | 312,403 | 315,831 | 288,393 | 312,241 | 303,610 | 304,122 |
| Foote Creek I | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Glenrock Wind | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Goodnoe Wind | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Leaning Juniper 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Marengo | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rolling Hills Wind | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Seven Mile Wind | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Wind Integration Charge | 3,278,604 | 309,236 | 237,867 | 355,586 | 260,950 | 271,499 | 260,816 | 242,998 | 233,030 | 233,239 | 271,145 | 303,787 | 298,451 |
| **Total Other Generation** | 6,720,798 | 601,671 | 510,684 | 667,338 | 506,275 | 483,927 | 531,653 | 555,401 | 548,861 | 521,632 | 583,386 | 607,397 | 602,573 |
| **Net Power Cost** | **1,129,101,025** | 71,983,216 | 71,648,965 | 78,524,116 | 70,430,396 | 81,829,687 | 95,617,105 | 147,183,901 | 141,260,866 | 87,558,737 | 91,423,646 | 91,440,393 | 100,199,998 |
| **Net Power Cost/Net System Load** | **18.72** | **13.59** | **15.25** | **16.21** | **16.24** | **17.50** | **18.95** | **25.44** | **25.65** | **18.58** | **19.25** | **18.08** | **17.92** |

PacifiCorp

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Net Power Cost Analysis

MWh

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Adjustments to Load** | | | | | | | | | | | | | |
| BPA Hermiston Losses | 70,679 | 6,597 | 5,975 | 5,972 | 5,061 | 3,260 | 4,975 | 6,535 | 5,846 | 6,456 | 6,708 | 6,638 | 6,656 |
| DSM (Irrigation) | (5) | - | - | - | - | 0 | (11) | 11 | (10) | 5 | - | - | - |
| MagCorp Curtailment | (29,240) | (7,140) | - | - | - | - | (3,740) | (4,080) | (3,400) | (3,400) | - | - | (7,480) |
| Monsanto Curtailment | (2,010) | - | - | - | - | - | - | (2,010) | - | - | - | - | - |
| Station Service | 71,977 | 4,649 | 4,826 | 6,153 | 7,978 | 6,751 | 5,805 | 5,965 | 6,950 | 5,952 | 6,233 | 6,491 | 4,222 |
| Total Adjustments to Load | 111,401 | 4,106 | 10,801 | 12,125 | 13,039 | 10,011 | 7,030 | 6,421 | 9,386 | 9,014 | 12,941 | 13,129 | 3,398 |
| System Load | 60,191,705 | 5,292,551 | 4,688,523 | 4,832,329 | 4,323,591 | 4,667,303 | 5,039,779 | 5,778,551 | 5,496,849 | 4,703,912 | 4,736,389 | 5,043,253 | 5,588,675 |
| **Net System Load** | 60,303,106 | 5,296,657 | 4,699,324 | 4,844,454 | 4,336,630 | 4,677,314 | 5,046,809 | 5,784,972 | 5,506,235 | 4,712,926 | 4,749,330 | 5,056,382 | 5,592,073 |
| **Special Sales For Resale** | | | | | | | | | | | | | |
| Long Term Firm Sales | | | | | | | | | | | | | |
| Black Hills | 362,701 | 30,632 | 27,806 | 31,294 | 29,512 | 30,477 | 29,090 | 31,464 | 31,114 | 29,598 | 30,898 | 29,324 | 31,493 |
| BPA Wind | 39,369 | 4,982 | 3,489 | 4,264 | 2,841 | 2,805 | 2,122 | 1,553 | 1,830 | 2,407 | 3,147 | 4,760 | 5,170 |
| Hurricane Sale | 13,140 | 1,095 | 1,095 | 1,095 | 1,095 | 1,095 | 1,095 | 1,095 | 1,095 | 1,095 | 1,095 | 1,095 | 1,095 |
| LADWP (IPP Layoff) | 613,200 | 52,080 | 47,040 | 52,080 | 50,400 | 52,080 | 50,400 | 52,080 | 52,080 | 50,400 | 52,080 | 50,400 | 52,080 |
| PSCO | 703,718 | 62,060 | 56,068 | 57,352 | 55,512 | 57,352 | 56,410 | 62,060 | 62,060 | 59,064 | 57,438 | 56,282 | 62,060 |
| Salt River Project | 219,000 | 18,600 | 16,800 | 18,600 | 18,000 | 18,600 | 18,000 | 18,600 | 18,600 | 18,000 | 18,600 | 18,000 | 18,600 |
| Sierra Pac 2 | 74,400 | 40,350 | 34,050 | - | - | - | - | - | - | - | - | - | - |
| SMUD | 350,400 | 42,000 | 36,000 | 7,100 | - | - | - | 33,500 | 51,800 | 44,800 | 37,700 | 41,000 | 56,500 |
| UAMPS s404236 | 16,032 | 1,488 | 1,344 | 1,488 | 1,440 | 1,488 | 1,440 | 1,488 | 1,488 | 1,440 | 1,488 | 1,440 | - |
| UMPA II | 223,878 | 13,938 | 12,588 | 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 | 2,615,838 | 267,224 | 236,280 | 187,210 | 172,287 | 177,834 | 180,137 | 243,652 | 252,960 | 225,147 | 216,383 | 215,789 | 240,935 |
| Short Term Firm Sales | | | | | | | | | | | | | |
| COB | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Colorado | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Four Corners | 559,850 | 90,800 | 81,600 | 90,800 | 87,050 | 91,600 | 87,200 | 10,400 | 10,400 | 10,000 | - | - | - |
| Idaho | 97,600 | - | - | - | - | - | - | - | - | - | 31,200 | 33,600 | 32,800 |
| Mid Columbia | 1,383,325 | 325,600 | 297,600 | 325,600 | 22,725 | 25,800 | 22,800 | - | - | - | 126,600 | 114,000 | 122,600 |
| Mona | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Palo Verde | 3,366,750 | 338,000 | 302,400 | 338,000 | 292,350 | 304,800 | 292,800 | 344,000 | 344,000 | 334,000 | 154,200 | 162,000 | 160,200 |
| SP15 | 463,900 | 43,200 | 38,400 | 43,200 | 30,300 | 34,400 | 30,400 | 49,200 | 49,200 | 48,000 | 31,200 | 33,600 | 32,800 |
| Utah | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Washington | - | - | - | - | - | - | - | - | - | - | - | - | - |
| West Main | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Wyoming | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Short Term Firm Sales | 5,871,425 | 797,600 | 720,000 | 797,600 | 432,425 | 456,600 | 433,200 | 403,600 | 403,600 | 392,000 | 343,200 | 343,200 | 348,400 |
| System Balancing Sales | | | | | | | | | | | | | |
| COB | 2,206,410 | 215,365 | 186,748 | 224,453 | 196,598 | 210,560 | 170,595 | 93,956 | 141,802 | 161,400 | 187,771 | 183,339 | 233,822 |
| Four Corners | 3,613,282 | 365,324 | 307,689 | 244,525 | 194,513 | 180,681 | 201,804 | 286,281 | 279,252 | 323,401 | 362,006 | 476,440 | 391,367 |
| Mid Columbia | 441,965 | 4,124 | 2,052 | 5,434 | 121,232 | 30,302 | 30,505 | 43,587 | 39,882 | 118,508 | 18,299 | 22,048 | 5,993 |
| Mona | 305,513 | 41,169 | 19,265 | 23,494 | 31,308 | 42,339 | 25,321 | 7,070 | 17,505 | 32,535 | 8,165 | 15,727 | 41,616 |
| Palo Verde | 97,088 | 10,400 | 11,600 | 7,500 | 9 | - | - | 2,100 | 875 | 2,800 | 21,504 | 19,500 | 20,800 |
| SP15 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total System Balancing Sales | 6,664,269 | 636,382 | 527,355 | 505,406 | 543,660 | 463,882 | 428,238 | 432,994 | 479,316 | 638,644 | 597,744 | 717,052 | 693,597 |
| **Total Special Sales For Resale** | 15,151,532 | 1,701,206 | 1,483,635 | 1,490,216 | 1,148,372 | 1,098,316 | 1,041,575 | 1,080,246 | 1,135,875 | 1,255,791 | 1,157,328 | 1,276,041 | 1,282,932 |
| **Total Requirements** | 75,454,638 | 6,997,862 | 6,182,958 | 6,334,671 | 5,485,002 | 5,775,630 | 6,088,384 | 6,865,218 | 6,642,110 | 5,968,717 | 5,906,658 | 6,332,424 | 6,875,005 |

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## Net Power Cost Analysis

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Purchased Power & Net Interchange** | | | | | | | | | | | | | |
| Long Term Firm Purchases | | | | | | | | | | | | | |
| APS Supplemental | 173,950 | - | - | 16,450 | 39,600 | 40,800 | 37,800 | 5,450 | 750 | 16,100 | 13,000 | 4,000 | - |
| Blanding Purchase | 263 | 22 | 20 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| Combine Hills | 115,832 | 11,464 | 10,355 | 11,464 | 10,178 | 10,517 | 7,302 | 7,545 | 7,545 | 7,302 | 10,517 | 10,178 | 11,464 |
| Deseret Purchase | 785,772 | 66,737 | 60,278 | 66,737 | 64,584 | 66,737 | 64,584 | 66,737 | 66,737 | 64,584 | 66,737 | 64,584 | 66,737 |
| Douglas PUD Settlement | 68,691 | 3,490 | 3,379 | 4,586 | 6,323 | 9,647 | 10,240 | 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 | 118,845 | 10,349 | 9,347 | 10,349 | 10,015 | 7,344 | 10,015 | 10,349 | 10,349 | 10,015 | 10,349 | 10,015 | 10,349 |
| 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 |
| Hurricane Purchase | 4,380 | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 |
| Idaho Power RTSA Purchase | 39,546 | 3,146 | 3,283 | 3,669 | 1,660 | 972 | 3,783 | 4,442 | 4,704 | 4,275 | 3,016 | 3,129 | 3,467 |
| IPP Purchase | 613,200 | 52,080 | 47,040 | 52,080 | 50,400 | 52,080 | 50,400 | 52,080 | 52,080 | 50,400 | 52,080 | 50,400 | 52,080 |
| MagCorp Reserves | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Morgan Stanley p189046 | 245,600 | 20,800 | 19,200 | 20,800 | 20,800 | 20,000 | 20,800 | 20,800 | 20,800 | 20,000 | 21,600 | 19,200 | 20,800 |
| Morgan Stanley p272153-6-8 | 41,600 | - | - | - | - | - | - | 20,800 | 20,800 | - | - | - | - |
| Nebo Heat Rate Option | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PGE Cove | 12,000 | 1,014 | 942 | 1,014 | 990 | 1,014 | 990 | 1,014 | 1,014 | 990 | 1,014 | 990 | 1,014 |
| Rock River | 142,638 | 18,049 | 12,641 | 15,447 | 10,292 | 10,164 | 7,688 | 5,625 | 6,631 | 8,721 | 11,402 | 17,247 | 18,730 |
| Roseburg Forest Products | 153,792 | 13,062 | 11,798 | 13,062 | 12,640 | 13,062 | 12,640 | 13,062 | 13,062 | 12,640 | 13,062 | 12,640 | 13,062 |
| Small Purchases east | 8,267 | 762 | 554 | 543 | 435 | 471 | 392 | 402 | 458 | 410 | 2,655 | 539 | 647 |
| Small Purchases west | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tri-State Purchase | 199,288 | 19,033 | 16,786 | 14,415 | 8,820 | 15,825 | 16,828 | 19,397 | 19,716 | 18,375 | 14,574 | 16,373 | 19,147 |
| Weyerhaeuser Reserve | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Wolverine Creek | 165,539 | 16,383 | 14,798 | 16,383 | 14,545 | 15,030 | 10,436 | 10,784 | 10,784 | 10,436 | 15,030 | 14,545 | 16,383 |
| Long Term Firm Purchases Total | 4,853,207 | 402,031 | 365,026 | 343,751 | 404,209 | 431,214 | 430,775 | 427,590 | 427,810 | 384,221 | 410,352 | 407,505 | 418,723 |
| Seasonal Purchased Power | | | | | | | | | | | | | |
| Morgan Stanley p244840 | 62,400 | - | - | - | - | - | - | 31,200 | 31,200 | - | - | - | - |
| Morgan Stanley p244841 | 20,800 | - | - | - | - | - | - | 10,400 | 10,400 | - | - | - | - |
| UBS p268850 | 20,800 | - | - | - | - | - | - | 10,400 | 10,400 | - | - | - | - |
| Seasonal Purchased Power Total | 104,000 | - | - | - | - | - | - | 52,000 | 52,000 | - | - | - | - |

PPL/102
Duvall/7

PacifiCorp

# 00_Oregon 2009 TAM_2008Mar25

## Net Power Cost Analysis

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Qualifying Facilities | | | | | | | | | | | | | |
| QF California | 35,465 | 3,519 | 4,207 | 4,657 | 6,344 | 6,207 | 4,777 | 1,593 | 621 | 477 | 440 | 732 | 1,890 |
| QF Idaho | 77,028 | 5,440 | 4,909 | 6,260 | 6,741 | 8,703 | 9,381 | 7,137 | 5,616 | 5,418 | 5,978 | 5,864 | 5,581 |
| QF Oregon | 212,021 | 20,766 | 19,464 | 21,270 | 22,545 | 21,450 | 17,802 | 14,701 | 13,641 | 13,833 | 13,906 | 14,549 | 18,095 |
| QF Utah | 14,210 | 913 | 1,067 | 1,236 | 1,365 | 1,477 | 1,362 | 1,249 | 1,163 | 1,130 | 1,459 | 1,026 | 764 |
| QF Washington | 13,217 | 1,102 | 1,014 | 1,059 | 1,112 | 1,277 | 1,173 | 1,193 | 1,103 | 1,073 | 1,036 | 1,073 | 1,001 |
| QF Wyoming | 11,394 | 159 | 147 | 143 | 547 | 1,819 | 1,840 | 1,975 | 1,967 | 1,741 | 746 | 154 | 155 |
| Biomass | 175,000 | 14,863 | 13,425 | 14,863 | 14,384 | 14,863 | 14,384 | 14,863 | 14,863 | 14,384 | 14,863 | 14,384 | 14,863 |
| Evergreen BioPower QF | 67,072 | 5,935 | 5,352 | 5,935 | 5,695 | 4,666 | 5,695 | 5,867 | 6,004 | 5,695 | 5,935 | 5,764 | 4,529 |
| ExxonMobil QF | 709,800 | 78,120 | 70,560 | 78,120 | 50,400 | 52,080 | 50,400 | 52,080 | 52,080 | 20,160 | 52,080 | 75,600 | 78,120 |
| Mountain Wind 1 QF | 185,366 | 24,921 | 14,296 | 21,150 | 12,312 | 12,414 | 10,177 | 10,595 | 14,366 | 13,628 | 13,680 | 19,287 | 18,539 |
| Mountain Wind 2 QF | 242,777 | 32,332 | 18,778 | 27,924 | 16,336 | 16,256 | 13,461 | 13,833 | 19,028 | 17,682 | 18,183 | 24,978 | 23,986 |
| Schwendiman QF | 52,983 | 4,910 | 3,615 | 5,982 | 4,760 | 5,327 | 4,594 | 4,003 | 4,241 | 3,571 | 3,412 | 4,550 | 4,018 |
| Simplot Phosphates | 74,460 | 6,324 | 5,712 | 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 | 64,191 | 5,741 | 3,815 | 4,165 | 4,206 | 4,567 | 6,118 | 7,189 | 7,578 | 5,508 | 4,420 | 4,823 | 6,061 |
| Sunnyside | 385,060 | 34,700 | 31,342 | 19,029 | 33,581 | 34,700 | 33,581 | 34,700 | 34,700 | 33,581 | 26,865 | 33,581 | 34,700 |
| US Magnesium QF | 175,200 | 14,880 | 13,440 | 14,880 | 14,400 | 14,880 | 14,400 | 14,880 | 14,880 | 14,400 | 14,880 | 14,400 | 14,880 |
| Weyerhaeuser QF | 323,136 | 28,458 | 22,950 | 28,458 | 20,196 | 28,458 | 27,540 | 28,458 | 27,540 | 27,540 | 28,458 | 26,622 | 28,458 |
| Qualifying Facilities Total | 2,818,380 | 283,085 | 234,092 | 261,456 | 221,044 | 235,468 | 222,803 | 220,638 | 225,714 | 185,941 | 212,666 | 253,508 | 261,965 |
| Mid-Columbia Contracts | | | | | | | | | | | | | |
| Canadian Entitlement | (56,070) | (5,530) | (4,915) | (5,325) | (5,283) | (5,283) | (5,283) | (5,486) | (5,283) | (5,283) | (5,486) | (1,400) | (1,512) |
| Chelan - Rocky Reach | 327,298 | 32,850 | 25,502 | 23,832 | 28,805 | 33,745 | 34,389 | 34,122 | 25,533 | 17,710 | 20,151 | 23,309 | 27,350 |
| Douglas - Wells | 254,198 | 25,328 | 19,339 | 18,035 | 22,745 | 27,727 | 27,294 | 27,404 | 19,638 | 13,331 | 15,115 | 17,615 | 20,625 |
| Grant Displacement | 442,090 | 29,587 | 26,904 | 29,987 | 42,949 | 53,976 | 51,848 | 46,780 | 33,385 | 31,148 | 31,786 | 31,347 | 32,392 |
| Grant Meaningful Priority | 297,168 | 28,405 | 22,687 | 21,652 | 17,321 | 14,839 | 18,538 | 21,938 | 19,396 | 16,042 | 18,257 | 44,765 | 53,327 |
| Grant Surplus | 71,747 | 4,081 | 3,263 | 3,112 | 2,490 | 2,133 | 2,664 | 3,153 | 2,786 | 2,308 | 2,774 | 21,675 | 21,309 |
| Grant - Wanapum | 593,462 | 82,707 | 63,366 | 59,336 | 57,365 | 60,437 | 62,047 | 60,653 | 52,870 | 43,347 | 51,323 | 12 | - |
| Mid-Columbia Contracts Total | 1,929,893 | 197,428 | 156,147 | 150,629 | 166,392 | 187,574 | 191,498 | 188,564 | 148,326 | 118,603 | 133,920 | 137,323 | 153,491 |
| Total Long Term Firm Purchases | 9,705,479 | 882,543 | 755,265 | 755,836 | 791,645 | 854,256 | 845,076 | 888,792 | 853,850 | 688,765 | 756,937 | 798,336 | 834,178 |

PPL/102
Duvall/8

**PacifiCorp**

# 00_Oregon 2009 TAM_2008Mar25

**Net Power Cost Analysis**

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Storage & Exchange | | | | | | | | | | | | | |
| APGI/Colockum Capacity Exchange | (268,153) | (17,743) | (15,579) | (17,743) | (16,445) | (18,608) | (16,445) | (17,743) | (17,743) | (37,310) | (36,877) | (38,176) | (17,743) |
| APS Exchange | 820 | 142,485 | 68,940 | - | - | (77,950) | (137,850) | (142,380) | (142,570) | (68,730) | 78,045 | 138,045 | 142,785 |
| BPA Exchange | 0 | - | - | (50,000) | - | - | 133,333 | 116,667 | - | (66,667) | (66,667) | (66,667) | - |
| BPA FC II Storage Agreement | 262 | 6 | (114) | 81 | (156) | 0 | (67) | (77) | 49 | 101 | 109 | 262 | 67 |
| BPA FC IV Storage Agreement | 2,673 | 80 | (1,079) | 794 | (1,477) | 14 | (628) | (726) | 477 | 978 | 1,056 | 2,524 | 659 |
| BPA Peaking | 575 | (1,725) | (0) | (3,399) | 3,657 | (4,986) | (6,008) | 10,462 | (4,549) | 2,850 | 1,975 | (9,200) | 11,500 |
| BPA So. Idaho Exchange | 28,921 | 2,048 | 2,351 | 2,478 | 2,361 | 2,626 | 2,994 | 3,411 | 2,750 | 2,256 | 2,229 | 1,645 | 1,771 |
| Cowlitz Swift | 4,120 | 1,120 | 2,186 | 5,060 | 521 | (921) | (2,640) | (922) | (1,876) | 4,582 | (1,100) | (2,512) | 622 |
| EWEB FC I Storage Agreement | 1,305 | 165 | 116 | 141 | 94 | 93 | 70 | 51 | 61 | 80 | 104 | 158 | 171 |
| PSCo Exchange | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PSCO FC III Storage Agreement | 349 | 142 | (2,145) | (1,293) | (1,630) | (2,658) | (1,306) | (2,288) | (655) | 1,672 | 2,432 | 4,341 | 3,737 |
| Redding Exchange | 11 | 11,888 | 10,668 | 11,184 | 8,779 | (6,044) | (5,578) | (11,972) | (15,482) | (15,185) | (10,839) | 10,704 | 11,888 |
| SCL State Line Storage Agreement | 20,914 | 78 | (3,542) | 25,552 | 16,672 | (14,144) | 7,162 | (1,111) | (5,801) | (54) | (1,636) | 959 | (3,221) |
| TransAlta p371343/s371344 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Storage & Exchange | (208,203) | 138,545 | 61,801 | (27,145) | 12,377 | (122,579) | (26,961) | (46,628) | (185,338) | (175,427) | (31,169) | 42,083 | 152,237 |
| Short Term Firm Purchases | | | | | | | | | | | | | |
| COB | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Colorado | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Four Corners | 31,200 | - | - | - | - | - | - | 15,600 | 15,600 | - | - | - | - |
| Idaho | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mid Columbia | 842,720 | 18,600 | 16,800 | 18,600 | - | - | - | 245,160 | 245,160 | 176,400 | 39,000 | 42,000 | 41,000 |
| Mona | 123,200 | - | - | - | - | - | - | 41,600 | 41,600 | 40,000 | - | - | - |
| Palo Verde | 338,575 | 43,200 | 38,400 | 43,200 | 7,575 | 8,600 | 7,600 | 47,600 | 47,600 | 46,000 | 15,600 | 16,800 | 16,400 |
| SP15 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Utah | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Washington | - | - | - | - | - | - | - | - | - | - | - | - | - |
| West Main | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Wyoming | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Short Term Firm Purchases | 1,335,695 | 61,800 | 55,200 | 61,800 | 7,575 | 8,600 | 7,600 | 349,960 | 349,960 | 262,400 | 54,600 | 58,800 | 57,400 |
| System Balancing Purchases | | | | | | | | | | | | | |
| COB | 99,459 | 1,610 | 3,397 | 3,100 | 1,034 | 4,568 | 5,142 | 35,561 | 4,131 | 38 | 2,634 | 32,309 | 5,935 |
| Four Corners | 82,516 | 13,465 | 10,505 | 24,528 | 395 | 1,709 | 595 | 31 | 4,102 | 1,943 | 23,574 | 1,347 | 322 |
| Mid Columbia | 2,442,156 | 325,026 | 291,165 | 374,423 | 46,068 | 115,393 | 135,993 | 156,955 | 172,060 | 56,468 | 258,804 | 199,407 | 310,393 |
| Mona | 455,782 | 4,870 | 66,443 | 55,275 | 27,588 | 2,885 | 12,378 | 48,850 | 32,303 | 21,438 | 137,207 | 45,953 | 594 |
| Palo Verde | 1,804,664 | 179,346 | 164,500 | 211,056 | 137,310 | 115,991 | 157,665 | 229,377 | 204,128 | 200,153 | 79,972 | 68,797 | 56,366 |
| SP15 | 463,900 | 43,200 | 38,400 | 43,200 | 30,300 | 34,400 | 30,400 | 49,200 | 49,200 | 48,000 | 31,200 | 33,600 | 32,800 |
| Total System Balancing Purchases | 5,348,959 | 567,517 | 574,410 | 711,583 | 243,177 | 274,947 | 342,174 | 519,974 | 465,924 | 328,039 | 533,391 | 381,413 | 406,411 |
| **Total Purchased Power & Net Inter** | 16,181,930 | 1,650,404 | 1,446,676 | 1,502,073 | 1,054,774 | 1,015,225 | 1,167,889 | 1,712,097 | 1,484,395 | 1,103,778 | 1,313,760 | 1,280,631 | 1,450,226 |

PPL/102
Duvall/10

## 00_Oregon 2009 TAM_2008Mar25

**Net Power Cost Analysis**

| Period Ending Dec 2009 | 01/09-12/09 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Coal Generation** | | | | | | | | | | | | | |
| Carbon | 1,131,530 | 88,398 | 92,756 | 62,059 | 92,818 | 101,168 | 97,448 | 104,011 | 100,983 | 89,344 | 111,924 | 98,849 | 91,772 |
| Cholla | 2,742,043 | 235,246 | 226,969 | 226,158 | 168,104 | 202,121 | 212,933 | 244,439 | 252,327 | 225,333 | 255,538 | 246,878 | 245,997 |
| Colstrip | 1,123,119 | 105,480 | 92,285 | 98,963 | 98,188 | 66,493 | 66,739 | 98,356 | 97,495 | 98,798 | 98,151 | 100,280 | 101,892 |
| Craig | 1,201,970 | 106,418 | 93,965 | 111,450 | 75,495 | 102,913 | 93,657 | 101,214 | 98,664 | 97,066 | 112,685 | 103,512 | 104,933 |
| Dave Johnston | 5,917,207 | 509,221 | 474,084 | 473,487 | 476,102 | 490,674 | 496,003 | 499,928 | 516,753 | 440,871 | 507,765 | 515,567 | 516,753 |
| Hayden | 619,994 | 55,827 | 51,482 | 57,347 | 35,379 | 54,331 | 50,476 | 53,491 | 50,141 | 48,627 | 55,599 | 51,358 | 55,935 |
| Hunter | 8,212,676 | 734,027 | 589,961 | 520,861 | 658,963 | 725,106 | 700,829 | 722,880 | 689,956 | 702,979 | 727,540 | 698,599 | 740,975 |
| Huntington | 6,637,003 | 598,863 | 522,832 | 596,534 | 545,530 | 602,753 | 577,199 | 603,677 | 546,089 | 565,646 | 396,514 | 488,399 | 592,967 |
| Jim Bridger | 10,155,139 | 892,700 | 767,514 | 787,033 | 663,309 | 703,764 | 863,382 | 893,490 | 953,639 | 917,342 | 905,199 | 914,958 | 892,808 |
| Naughton | 5,190,770 | 460,531 | 414,761 | 440,081 | 419,778 | 434,516 | 445,322 | 439,987 | 467,683 | 440,657 | 360,483 | 419,935 | 447,036 |
| Wyodak | 2,176,749 | 189,030 | 177,187 | 186,359 | 177,001 | 191,451 | 184,603 | 187,145 | 182,909 | 159,098 | 141,100 | 193,600 | 207,267 |
| **Total Coal Generation** | 45,108,200 | 3,975,741 | 3,503,795 | 3,560,332 | 3,410,667 | 3,675,290 | 3,788,590 | 3,948,618 | 3,956,639 | 3,785,760 | 3,672,497 | 3,831,935 | 3,998,335 |
| **Gas Generation** | | | | | | | | | | | | | |
| Currant Creek | 2,584,356 | 214,989 | 199,840 | 205,525 | 155,239 | 115,156 | 220,744 | 287,446 | 299,222 | 221,983 | 140,709 | 240,858 | 282,645 |
| Gadsby | 74,888 | - | - | - | - | - | 13,008 | 23,483 | 24,343 | 14,054 | - | - | - |
| Gadsby CT | 179,040 | 17,710 | 12,740 | 6,575 | 6,865 | 15,910 | 16,863 | 20,141 | 19,834 | 19,682 | 16,335 | 12,775 | 13,610 |
| Hermiston | 1,838,922 | 158,874 | 149,247 | 90,540 | 145,131 | 156,351 | 156,348 | 156,974 | 163,735 | 148,776 | 164,479 | 174,378 | 174,089 |
| Lake Side | 2,649,634 | 216,800 | 189,163 | 203,582 | 160,979 | 205,143 | 216,773 | 283,222 | 297,360 | 216,650 | 153,129 | 243,258 | 263,576 |
| Little Mountain | 85,843 | 11,158 | 9,977 | 10,395 | 10,030 | 9,663 | - | 1,018 | 2,011 | - | 10,358 | 10,078 | 11,155 |
| **Total Gas Generation** | 7,412,684 | 619,531 | 560,967 | 516,617 | 478,244 | 502,223 | 623,735 | 772,283 | 806,506 | 621,146 | 485,010 | 681,348 | 745,075 |
| **Hydro Generation** | | | | | | | | | | | | | |
| West Hydro | 3,789,839 | 481,134 | 450,600 | 454,614 | 300,616 | 329,792 | 269,138 | 196,148 | 171,610 | 247,338 | 195,946 | 274,862 | 418,041 |
| East Hydro | 442,369 | 32,407 | 28,553 | 41,264 | 44,860 | 52,224 | 43,718 | 44,221 | 40,888 | 29,699 | 26,123 | 28,395 | 30,016 |
| **Total Hydro Generation** | 4,232,208 | 513,541 | 479,153 | 495,878 | 345,476 | 382,016 | 312,856 | 240,368 | 212,499 | 277,037 | 222,070 | 303,257 | 448,058 |
| **Other Generation** | | | | | | | | | | | | | |
| Blundell | 183,788 | 15,614 | 14,566 | 16,645 | 13,099 | 11,342 | 14,461 | 16,680 | 16,863 | 15,398 | 16,671 | 16,211 | 16,238 |
| Blundell Bottoming Cycle | 87,898 | 7,468 | 6,967 | 7,961 | 6,265 | 5,424 | 6,916 | 7,977 | 8,065 | 7,364 | 7,973 | 7,753 | 7,766 |
| **Total Blundell** | 271,686 | 23,081 | 21,533 | 24,606 | 19,363 | 16,767 | 21,377 | 24,657 | 24,928 | 22,762 | 24,645 | 23,963 | 24,004 |
| Foote Creek I | 103,097 | 13,045 | 9,137 | 11,165 | 7,439 | 7,346 | 5,557 | 4,066 | 4,793 | 6,304 | 8,241 | 12,466 | 13,538 |
| Glenrock Wind | 333,925 | 31,624 | 24,976 | 34,929 | 30,126 | 22,370 | 21,901 | 18,930 | 23,849 | 20,886 | 25,358 | 37,800 | 41,174 |
| Goodnoe Wind | 280,244 | 14,654 | 19,126 | 32,679 | 23,726 | 25,637 | 29,653 | 28,942 | 25,157 | 19,161 | 24,731 | 21,885 | 14,894 |
| Leaning Juniper 1 | 307,253 | 16,686 | 12,998 | 25,019 | 21,333 | 36,386 | 32,912 | 37,027 | 32,606 | 29,216 | 27,360 | 17,219 | 18,489 |
| Marengo | 594,902 | 65,813 | 46,176 | 72,884 | 43,946 | 47,523 | 43,711 | 45,821 | 36,812 | 41,892 | 47,735 | 57,622 | 44,966 |
| Rolling Hills Wind | 267,152 | 28,809 | 23,537 | 24,590 | 21,997 | 17,934 | 18,046 | 14,989 | 15,995 | 19,405 | 23,189 | 26,877 | 31,784 |
| Seven Mile Wind | 361,360 | 44,931 | 34,884 | 33,898 | 27,911 | 26,913 | 22,157 | 17,420 | 17,932 | 21,370 | 32,062 | 37,419 | 44,463 |
| **Total Wind Generation** | 2,247,932 | 215,562 | 170,835 | 235,164 | 176,477 | 184,109 | 173,937 | 167,195 | 157,144 | 158,234 | 188,677 | 211,289 | 209,308 |
| **Total Other Generation** | 2,519,618 | 238,644 | 192,368 | 259,770 | 195,840 | 200,875 | 195,313 | 191,853 | 182,072 | 180,997 | 213,322 | 235,252 | 233,311 |
| **Total Resources** | 75,454,640 | 6,997,862 | 6,182,958 | 6,334,670 | 5,485,002 | 5,775,630 | 6,088,384 | 6,865,219 | 6,642,110 | 5,968,717 | 5,906,658 | 6,332,423 | 6,875,005 |
| **Wind Integration Charge** | | | | | | | | | | | | | |
| Foote Creek I | 103,097 | 13,045 | 9,137 | 11,165 | 7,439 | 7,346 | 5,557 | 4,066 | 4,793 | 6,304 | 8,241 | 12,466 | 13,538 |
| Glenrock Wind | 333,925 | 31,624 | 24,976 | 34,929 | 30,126 | 22,370 | 21,901 | 18,930 | 23,849 | 20,886 | 25,358 | 37,800 | 41,174 |
| Goodnoe Wind | 280,244 | 14,654 | 19,126 | 32,679 | 23,726 | 25,637 | 29,653 | 28,942 | 25,157 | 19,161 | 24,731 | 21,885 | 14,894 |
| Leaning Juniper 1 | 307,253 | 16,686 | 12,998 | 25,019 | 21,333 | 36,386 | 32,912 | 37,027 | 32,606 | 29,216 | 27,360 | 17,219 | 18,489 |
| Marengo | 594,902 | 65,813 | 46,176 | 72,884 | 43,946 | 47,523 | 43,711 | 45,821 | 36,812 | 41,892 | 47,735 | 57,622 | 44,966 |
| Rolling Hills Wind | 267,152 | 28,809 | 23,537 | 24,590 | 21,997 | 17,934 | 18,046 | 14,989 | 15,995 | 19,405 | 23,189 | 26,877 | 31,784 |
| Seven Mile Wind | 361,360 | 44,931 | 34,884 | 33,898 | 27,911 | 26,913 | 22,157 | 17,420 | 17,932 | 21,370 | 32,062 | 37,419 | 44,463 |
| BPA FC II Generation | 5,563 | 704 | 493 | 603 | 401 | 396 | 300 | 219 | 259 | 340 | 445 | 673 | 731 |
| BPA FC IV Generation | 53,423 | 6,760 | 4,735 | 5,785 | 3,855 | 3,807 | 2,880 | 2,107 | 2,484 | 3,266 | 4,270 | 6,460 | 7,015 |
| EWEB FC I Generation | 27,753 | 3,512 | 2,460 | 3,006 | 2,002 | 1,978 | 1,496 | 1,095 | 1,290 | 1,697 | 2,219 | 3,356 | 3,644 |
| PSCo FC III Generation | 72,404 | 9,162 | 6,417 | 7,841 | 5,224 | 5,159 | 3,903 | 2,855 | 3,366 | 4,427 | 5,788 | 8,755 | 9,508 |
| SCL State Line generation | 468,893 | 35,560 | 23,716 | 59,519 | 40,943 | 42,709 | 46,271 | 39,684 | 39,870 | 36,630 | 36,448 | 35,948 | 31,594 |
| Total Generation (MWh) | 2,875,968 | 271,260 | 208,655 | 311,918 | 228,903 | 238,157 | 228,786 | 213,156 | 204,413 | 204,595 | 237,847 | 266,480 | 261,799 |
| Wind Integration Charge/MWh | | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| Total Wind Integration Charge ($) | 3,278,604 | 309,236 | 237,867 | 355,586 | 260,950 | 271,499 | 260,816 | 242,998 | 233,030 | 233,239 | 271,145 | 303,787 | 298,451 |

Case UE-
Exhibit PPL/103
Witness: Gregory N. Duvall

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Exhibit Accompanying Direct Testimony of Gregory N. Duvall**

**NORMALIZED MAJOR SOURCES OF ENERGY**

April 2008

# PacifiCorp
## Normalized Sources of Energy
## 12 Months Ending December 2009
## Oregon TAM

**Unit - Average Megawatts**

| Line No. | Description | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Line No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Company Owned Generation** | | | | | | | | | | | | | |
| 1 | Hydro | 690 | 713 | 667 | 480 | 513 | 435 | 323 | 286 | 385 | 298 | 421 | 602 | 1 |
| 2 | Thermal (1) | 6,221 | 6,095 | 5,527 | 5,442 | 5,647 | 6,172 | 6,392 | 6,449 | 6,166 | 5,635 | 6,316 | 6,422 | 2 |
| 3 | Wind | 251 | 219 | 283 | 215 | 223 | 217 | 205 | 190 | 193 | 222 | 256 | 239 | 3 |
| 4 | **Total Company Owned Generation** | **7,163** | **7,027** | **6,476** | **6,136** | **6,384** | **6,823** | **6,920** | **6,925** | **6,744** | **6,156** | **6,993** | **7,263** | 4 |
| | **Purchased & Exchanges** | | | | | | | | | | | | | |
| 5 | Long Term Firm | 907 | 878 | 800 | 854 | 886 | 894 | 927 | 934 | 778 | 823 | 904 | 901 | 5 |
| 6 | Mid Columbia | 265 | 232 | 202 | 231 | 252 | 266 | 253 | 199 | 165 | 180 | 191 | 206 | 6 |
| 7 | Exchanges | 186 | 92 | (36) | 17 | (165) | (37) | (63) | (249) | (244) | (42) | 58 | 205 | 7 |
| 8 | Short Term Firm Purchases | 83 | 82 | 83 | 11 | 12 | 11 | 470 | 470 | 364 | 73 | 82 | 77 | 8 |
| 9 | System Balancing | 763 | 855 | 956 | 338 | 370 | 475 | 699 | 626 | 456 | 717 | 530 | 546 | 9 |
| 10 | **Total Purchased Power and Exchange** | **2,204** | **2,139** | **2,005** | **1,451** | **1,355** | **1,608** | **2,287** | **1,981** | **1,519** | **1,752** | **1,765** | **1,935** | 10 |
| 11 | **Total Resources** | **9,367** | **9,166** | **8,481** | **7,588** | **7,739** | **8,431** | **9,207** | **8,906** | **8,263** | **7,908** | **8,758** | **9,198** | 11 |
| 12 | **Special Sales** | 2,287 | 2,208 | 2,003 | 1,595 | 1,476 | 1,447 | 1,452 | 1,527 | 1,744 | 1,556 | 1,772 | 1,724 | 12 |
| 13 | **System Net of Special Sales** | **7,080** | **6,958** | **6,478** | **5,993** | **6,263** | **6,984** | **7,755** | **7,379** | **6,519** | **6,352** | **6,985** | **7,474** | 13 |

**Notes:**
(1) Includes GP Camas Co-generation

Case UE-
Exhibit PPL/104
Witness: Gregory N. Duvall

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Exhibit Accompanying Direct Testimony of Gregory N. Duvall**

**NORMALIZED MAJOR SOURCES OF PEAK CAPACITY**

April 2008

# PacifiCorp
## Normalized Sources of Peak Capacity
## 12 Months Ending December 2009
## Oregon TAM

| 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 | 1,053 | 9.86% | 1,021 | 9.78% | 4,232 | 5.63% | 1 |
| 2 | Thermal (1) (2) | 6,500 | 60.86% | 6,437 | 61.64% | 52,911 | 70.37% | 2 |
| 3 | Wind | 143 | 1.34% | 141 | 1.35% | 1,981 | 2.63% | 3 |
| 4 | **Total Company Owned Generation** | **7,697** | **72.07%** | **7,598** | **72.76%** | **59,124** | **78.64%** | 4 |
| | **Purchased & Exchanges** | | | | | | | |
| 5 | Long Term Firm | 883 | 8.27% | 1,078 | 10.33% | 7,657 | 10.18% | 5 |
| 6 | Mid Columbia | 476 | 4.46% | 476 | 4.56% | 1,930 | 2.57% | 6 |
| 7 | Exchanges | 1,013 | 9.48% | 112 | 1.07% | (208) | -0.28% | 7 |
| 8 | Short Term Firm Purchases | - | 0.00% | 688 | 6.58% | 1,336 | 1.78% | 8 |
| 9 | System Balancing | 611 | 5.73% | 491 | 4.70% | 5,349 | 7.11% | 9 |
| 10 | **Total Purchased Power and Exchange** | **2,983** | **27.93%** | **2,844** | **27.24%** | **16,063** | **21.36%** | 10 |
| 11 | **Total Resources** | **10,680** | **100.00%** | **10,442** | **100.00%** | **75,187** | **100.00%** | 11 |
| 12 | **Special Sales** | 1,672 | | 903 | | 15,152 | | 12 |
| 13 | **System Net of Special Sales** | **9,008** | | **9,539** | | **60,036** | | 13 |

**Notes:**
(1) Includes GP Camas Co-generation
(2) After Derates, Maintenance and Reserves

| | | | |
|---|---|---|---|
| | **Dec-09** | **Jul-09** | Hours |
| Match Row in L&R | 17 | 12 | 8760 |

Case UE-
Exhibit PPL/105
Witness: Gregory N. Duvall

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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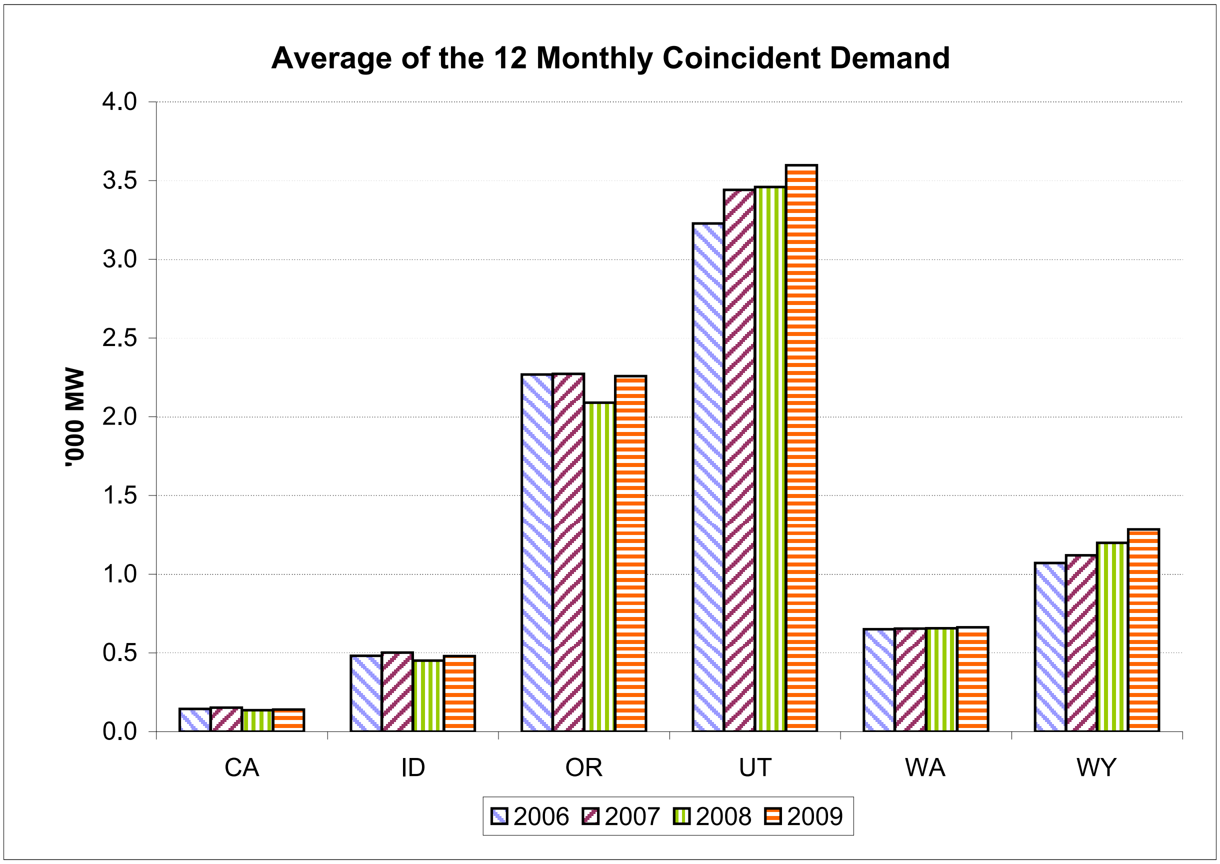
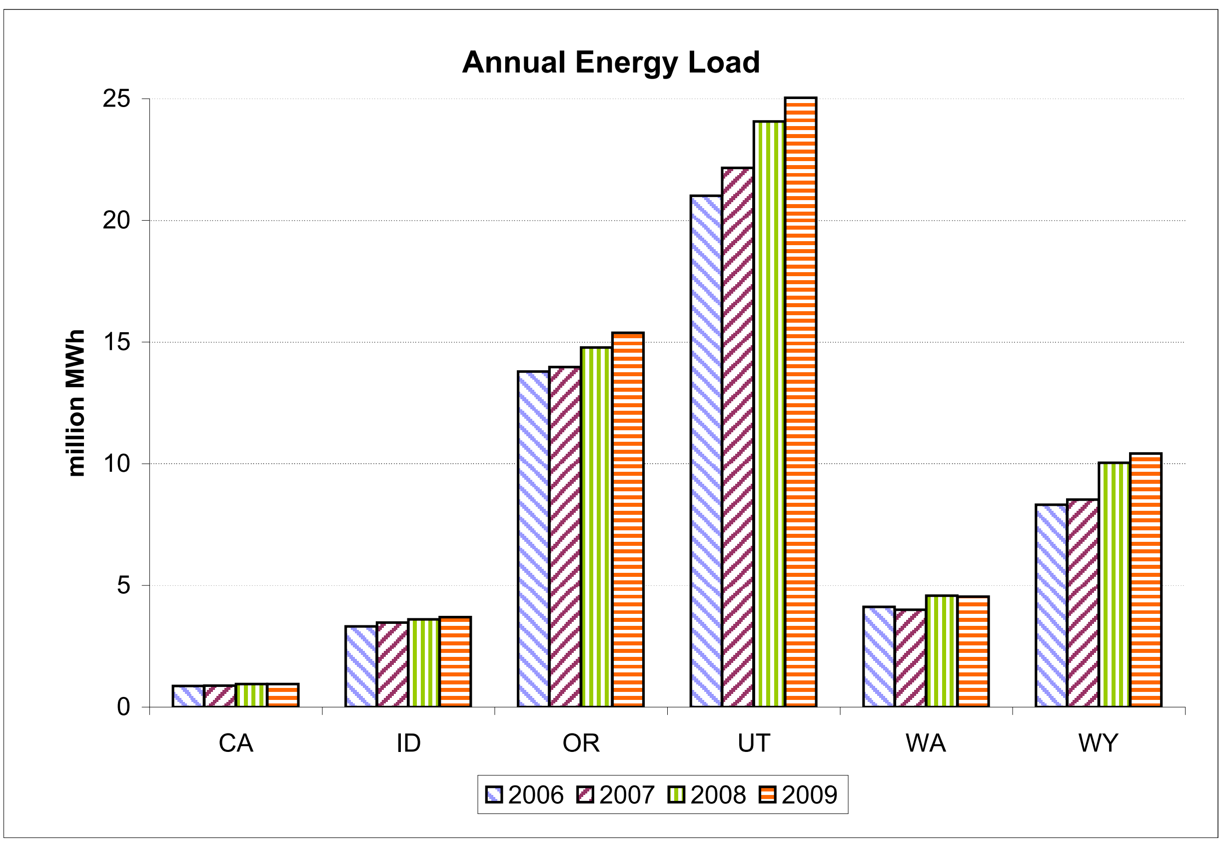
**Exhibit Accompanying Direct Testimony of Gregory N. Duvall**

**COMPARISON OF PROJECTED LOAD TRENDS IN UE 191 AND 2009 TAM**

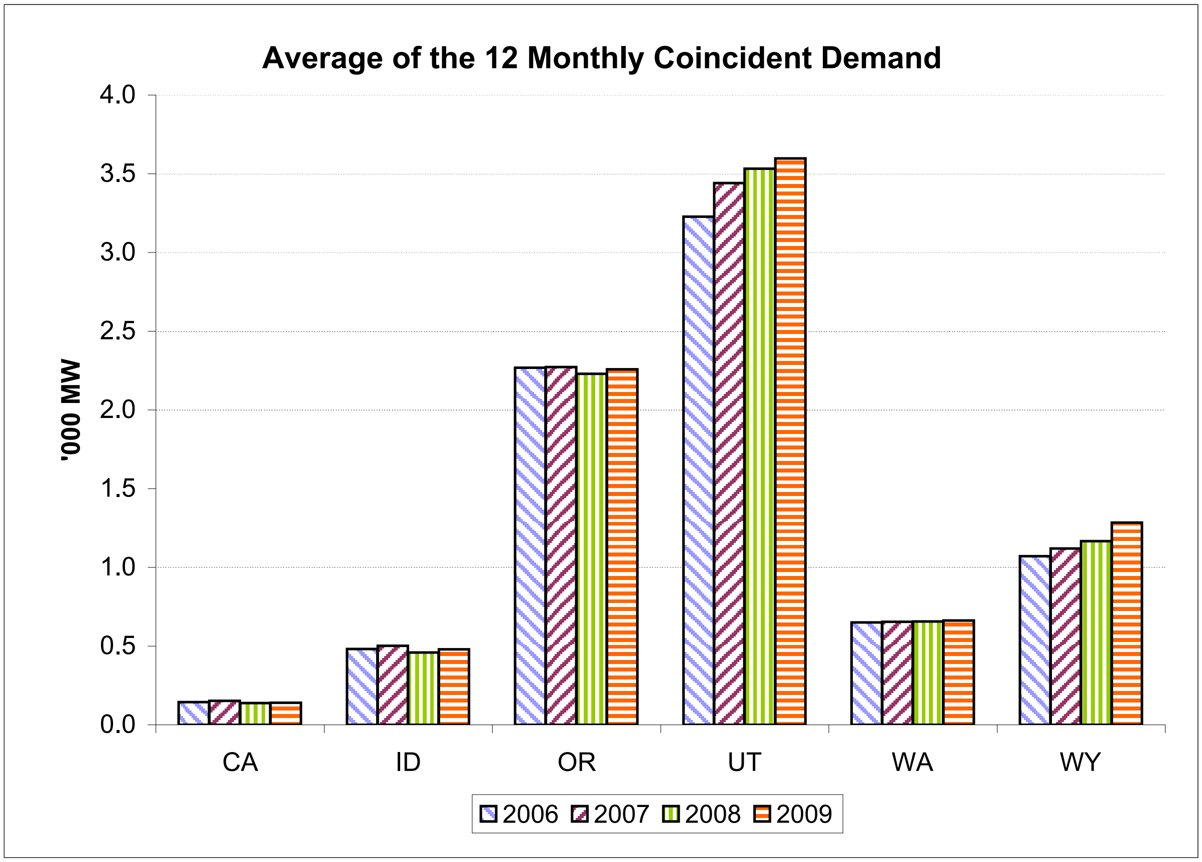
April 2008

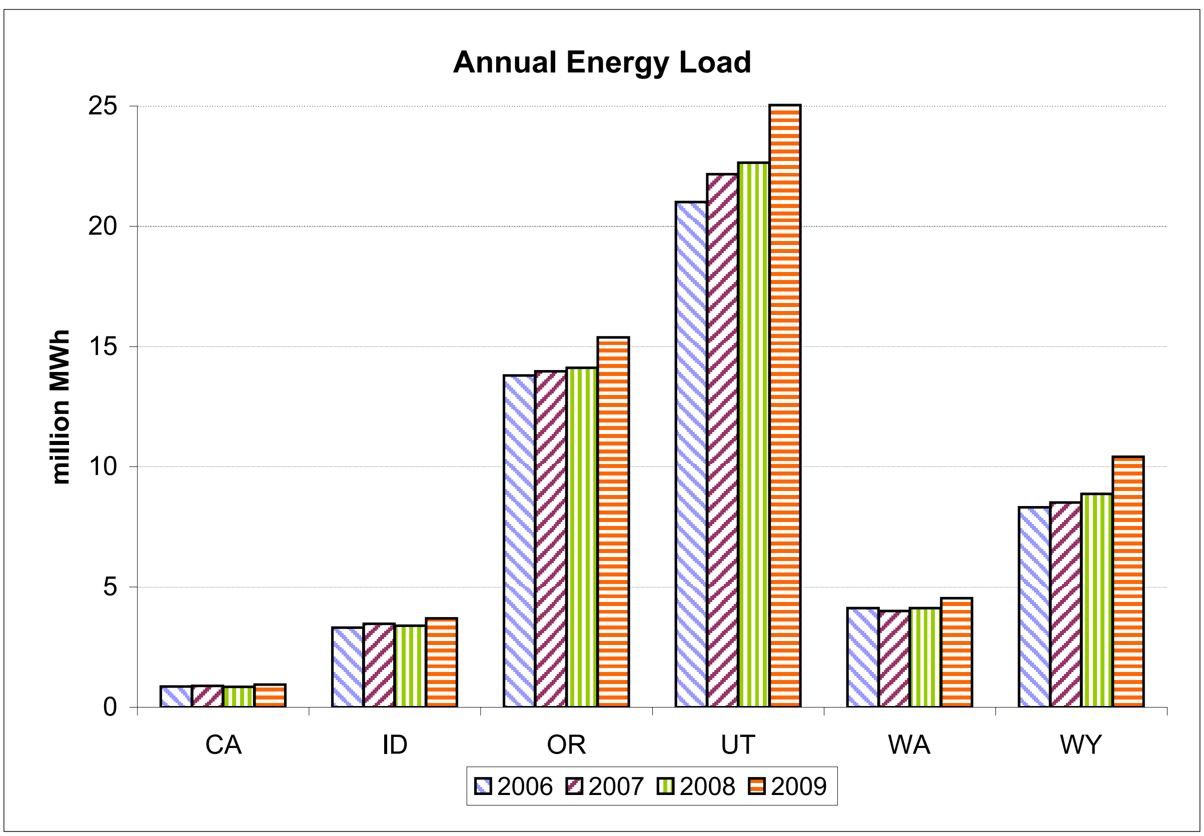
## Projected Load in UE 191 for 2008



# Projected Load in Current Proceeding for 2008



Case UE-
Exhibit PPL/200
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Direct Testimony of Judith M. Ridenour**

**PRICING AND TARIFFS**

April 2008

**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.

**Qualifications**

**Q. Briefly describe your education and business experience.**

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.

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

A. Yes. I have testified for the Company in regulatory proceedings in Oregon and California.

**Summary of Testimony**

**Q. What are your responsibilities in this proceeding?**

A. I will present the Company's proposed Transition Adjustment Mechanism (TAM) prices and proposed tariffs. I will also provide a comparison of present and proposed 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/201 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, 2008; 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 amount which will be added to present Schedule 200 rates.

**Q. Please describe Exhibit PPL/202.**

A. Exhibit PPL/202 contains the revised Schedule 200, Cost-Based Supply Service. The cents per kilowatt-hour rates shown in Exhibit PPL/201 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 or three-year option Transition Adjustment tariffs (Schedule 294 and 295) at this time?**

A. No. The Transition Adjustment will be established in November, just prior to the open enrollment window. The Company will file changes to Schedule 294 and 295, Transition Adjustment, once the 2009 rates have been posted and are known.

**Comparison of Present and Proposed Customer Rates**

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

A. The overall proposed increase to rates is 4.4 percent on a net basis. Exhibit PPL/203 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 Public Purpose Charge (Schedule 290), and the Energy Conservation Charge (Schedule 297).

**Q. Have you prepared an exhibit which shows a comparison of present and proposed customer rates?**

A. Yes. Exhibit PPL/204 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 the Low Income Bill Payment Assistance Charge (Schedule 91), the Public Purpose Charge (Schedule 290), and the Energy Conservation Charge (Schedule

297).

**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 $3.22.

**Q. Does this conclude your direct testimony?**

A. Yes.

Case UE-
Exhibit PPL/201
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Exhibit Accompanying Direct Testimony of Judith M. Ridenour**

**DEVELOPMENT OF TAM ADJUSTMENT FOR JANUARY 1, 2009**

April 2008

**PACIFIC POWER & LIGHT COMPANY**
**DEVELOPMENT OF TAM ADJUSTMENT FOR JANUARY 1, 2009**
**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) (5)/(3) |
| | **Residential** | | | | | |
| 1 | Residential | 4 | 5,423,447,855 | $220,453,212 | $16,968,931 | 0.313 |
| 2 | **Total Residential** | | 5,423,447,855 | $220,453,212 | $16,968,931 | |
| | **Commercial & Industrial** | | | | | |
| 3 | Gen. Svc. < 31 kW | 23 | 1,156,146,030 | $48,204,878 | $3,710,471 | 0.321 |
| 4 | Gen. Svc. 31 - 200 kW | 28 | 2,076,346,691 | $84,718,823 | $6,521,057 | 0.314 |
| 5 | Gen. Svc. 201 - 999 kW | 30 | 1,332,132,861 | $52,818,281 | $4,065,578 | 0.305 |
| 6 | Large General Service >= 1,000 kW | 48 | 3,116,065,292 | $115,674,985 | $8,903,843 | 0.285 |
| 7 | Partial Req. Svc. >= 1,000 kW | 47 | 208,767,290 | $7,633,718 | $587,590 | 0.285 |
| 8 | Agricultural Pumping Service | 41 | 108,189,038 | $4,401,683 | $338,810 | 0.313 |
| 9 | **Total Commercial & Industrial** | | 7,997,647,202 | $313,452,368 | $24,127,349 | |
| | **Lighting** | | | | | |
| 10 | Outdoor Area Lighting Service | 15 | 11,554,534 | $258,675 | $19,911 | 0.172 |
| 11 | Street Lighting Service | 50 | 11,406,000 | $212,366 | $16,346 | 0.143 |
| 12 | Street Lighting Service HPS | 51 | 15,574,917 | $457,778 | $35,237 | 0.226 |
| 13 | Street Lighting Service | 52 | 1,827,840 | $41,173 | $3,169 | 0.173 |
| 14 | Street Lighting Service | 53 | 8,459,069 | $81,405 | $6,266 | 0.074 |
| 15 | Recreational Field Lighting | 54 | 836,416 | $13,855 | $1,066 | 0.127 |
| 16 | **Total Public Street Lighting** | | 49,658,776 | $1,065,252 | $81,995 | |
| 17 | **Total Sales to Ultimate Consumers** | | 13,470,753,833 | $534,970,832 | $41,178,275 | |
| 18 | **Employee Discount** | | | ($225,855) | ($17,385) | |
| 19 | **Total Sales with Employee Discount** | | 13,470,753,833 | $534,744,977 | 41,160,891 | |

Case UE-
Exhibit PPL/202
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Exhibit Accompanying Direct Testimony of Judith M. Ridenour**

**TARIFF SCHEDULE 200**

April 2008

**PACIFIC POWER & LIGHT COMPANY**
COST-BASED
SUPPLY SERVICE

**OREGON**
**SCHEDULE 200**
Page 1

**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.

| <u>Delivery Service Schedule No.</u> | | | <u>Delivery Voltage</u> | | | |
|---|---|---|---|---|---|---|
| | | | **Secondary** | **Primary** | **Transmission** | |
| 4 | Per kWh | 0 - 500 kWh | 3.767¢ | | | (I) |
| | | 501-1000 kWh | 4.419¢ | | | \| |
| | | > 1000 kWh | 5.395¢ | | | (I) |

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).

| | | Secondary | Primary | Transmission | |
|---|---|---|---|---|---|
| 23 | First 3,000 kWh, per kWh | 4.754¢ | 4.638¢ | | (I) |
| | All additional kWh, per kWh | 3.595¢ | 3.511¢ | | \| |
| 28 | First 20,000 kWh, per kWh | 4.428¢ | 4.350¢ | | \| |
| | All additional kWh, per kWh | 4.315¢ | 4.240¢ | | \| |
| 30 | First 20,000 kWh, per kWh | 4.791¢ | 4.700¢ | | \| |
| | All additional kWh, per kWh | 4.186¢ | 4.096¢ | | \| |
| 41 | Winter, first 100 kWh/kW, per kWh | 6.281¢ | 6.123¢ | | \| |
| | Winter, all additional kWh, per kWh | 4.358¢ | 4.253¢ | | (I) |

(continued)

**Energy Charge** *(continued)*

| Delivery Service Schedule No. | | Delivery Voltage: Secondary | Primary | Transmission | |
|---|---|---|---|---|---|
| 41 | Summer, all kWh, per kWh | 4.358 ¢ | 4.253¢ | | (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. | | | | |
| 47/48 | Per kWh On-Peak | 4.200¢ | 4.021¢ | 3.854¢ | (I) |
| | Per kWh, Off-Peak | 4.100¢ | 3.921¢ | 3.754¢ | (I) |

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 | 2.425¢ | (I) |
| | For dusk to midnight operation, per kWh | 2.425¢ | (I) |
| 54 | Per kWh | 1.783¢ | (I) |

15

| Type of Luminaire | Nominal Rating | Monthly kWh | RatePer Luminaire | |
|---|---|---|---|---|
| Mercury Vapor | 7,000 | 76 | $1.83 | (I) |
| Mercury Vapor | 21,000 | 172 | $4.15 | |
| Mercury Vapor | 55,000 | 412 | $9.93 | |
| High Pressure Sodium | 5,800 | 31 | $0.75 | |
| High Pressure Sodium | 22,000 | 85 | $2.05 | |
| High Pressure Sodium | 50,000 | 176 | $4.24 | (I) |

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 | $1.52 | $3.45 | $8.26 | (I) |
| Vertical, per lamp | $1.52 | $3.45 | | (I) |

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 | $1.52 | | | (I) |
| On 26-foot poles, vertical, per lamp | $1.52 | | | |
| On 30-foot poles, horizontal , per lamp | | $3.45 | | |
| On 30-foot poles, vertical, per lamp | | $3.45 | | |
| On 33-foot poles, horizontal , per lamp | | | $8.26 | (I) |

*(continued)*

**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 | $1.52 | | | (I) |
| On 26-foot poles, vertical, per lamp | $1.52 | | | |
| On 30-foot poles, horizontal ,per lamp | | $3.45 | | |
| On 30-foot poles, vertical, per lamp | | $3.45 | | |
| On 33-foot poles, horizontal , per lamp | | | $8.26 | (I) |

| | Types of Luminaire | Nominal rating | Monthly kWh | Rate Per Luminaire | |
|---|---|---|---|---|---|
| 51 | High Pressure Sodium | 5,000 | 31 | $0.98 | (I) |
| | High Pressure Sodium | 9,500 | 44 | $1.39 | |
| | High Pressure Sodium | 16,000 | 64 | $2.03 | |
| | High Pressure Sodium | 22,000 | 85 | $2.69 | |
| | High Pressure Sodium | 27,500 | 115 | $3.64 | |
| | High Pressure Sodium | 50,000 | 176 | $5.57 | |
| | Metal Halide | 9,000 | 39 | $1.23 | |
| | Metal Halide | 12,000 | 68 | $2.15 | |
| | Metal Halide | 19,500 | 94 | $2.98 | |
| | Metal Halide | 32,000 | 149 | $4.72 | (I) |

| | Types of Luminaire | Nominal rating | Monthly kWh | Rate Per Luminaire | |
|---|---|---|---|---|---|
| 53 | High Pressure Sodium | 5,800 | 31 | $0.32 | (I) |
| | High Pressure Sodium | 9,500 | 44 | $0.46 | |
| | High Pressure Sodium | 16,000 | 64 | $0.66 | |
| | High Pressure Sodium | 22,000 | 85 | $0.88 | |
| | High Pressure Sodium | 27,500 | 115 | $1.19 | |
| | High Pressure Sodium | 50,000 | 176 | $1.82 | |
| | Metal Halide | 9,000 | 39 | $0.40 | |
| | Metal Halide | 12,000 | 68 | $0.70 | |
| | Metal Halide | 19,500 | 94 | $0.97 | |
| | Metal Halide | 32,000 | 149 | $1.54 | |
| | Metal Halide | 107,800 | 354 | $3.67 | (I) |

Non-Listed Luminaire, per kWh 1.036¢ (I)

*(continued)*

Case UE-
Exhibit PPL/203
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Exhibit Accompanying Direct Testimony of Judith M. Ridenour**

**ESTIMATED EFFECT OF PROPOSED TAM PRICE CHANGES**

April 2008

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

| | | | | | Present Revenues ($000) | | | Proposed Revenues ($000) | | | Change | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | Base Rates | | Net Rates | | |
| Line No. | Description | Sch No. | No. of Cust | MWh | Base Rates | Adders[1] | Net Rates | Base Rates | Adders[1] | Net Rates | ($000) | %[2] | ($000) | %[2] | Line No. |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | |
| | | | | | | | (5) + (6) | | | (8) + (9) | (8) - (5) | (11)/(5) | (10) - (7) | (13)/(7) | |
| | **Residential** | | | | | | | | | | | | | | |
| 1 | Residential | 4 | 467,946 | 5,423,448 | $452,922 | $5,056 | $457,978 | $469,891 | $5,056 | $474,947 | $16,969 | 3.8% | $16,969 | 3.7% | 1 |
| 2 | **Total Residential** | | 467,946 | 5,423,448 | $452,922 | $5,056 | $457,978 | $469,891 | $5,056 | $474,947 | $16,969 | 3.8% | $16,969 | 3.7% | 2 |
| | **Commercial & Industrial** | | | | | | | | | | | | | | |
| 3 | Gen. Svc. < 31 kW | 23 | 70,185 | 1,156,146 | $97,229 | ($5,862) | $91,367 | $100,940 | ($5,862) | $95,078 | $3,710 | 3.8% | $3,710 | 4.1% | 3 |
| 4 | Gen. Svc. 31 - 200 kW | 28 | 9,623 | 2,076,347 | $121,509 | $11,026 | $132,535 | $128,030 | $11,026 | $139,056 | $6,521 | 5.4% | $6,521 | 4.9% | 4 |
| 5 | Gen. Svc. 201 - 999 kW | 30 | 797 | 1,332,133 | $72,779 | $3,971 | $76,750 | $76,844 | $3,971 | $80,815 | $4,066 | 5.6% | $4,066 | 5.3% | 5 |
| 6 | Large General Service >= 1,000 kW | 48 | 222 | 3,116,066 | $144,641 | ($829) | $143,812 | $153,545 | ($829) | $152,716 | $8,904 | 6.1% | $8,904 | 6.2% | 6 |
| 7 | Partial Req. Svc. >= 1,000 kW | 47 | 8 | 208,767 | $10,232 | ($55) | $10,177 | $10,820 | ($55) | $10,765 | $588 | 6.1% | $588 | 6.2% | 7 |
| 8 | Agricultural Pumping Service | 41 | 6,240 | 108,189 | $11,277 | ($2,635) | $8,642 | $11,615 | ($2,635) | $8,980 | $339 | 3.0% | $339 | 3.9% | 8 |
| 9 | Agricultural Pumping - Other | 33 | 2,117 | 106,792 | $1,543 | $4 | $1,547 | $1,543 | $4 | $1,547 | $0 | 0.0% | $0 | 0.0% | 9 |
| 10 | **Total Commercial & Industrial** | | 89,192 | 8,104,440 | $459,210 | $5,620 | $464,830 | $483,337 | $5,620 | $488,958 | $24,127 | 5.3% | $24,127 | 5.2% | 10 |
| | **Lighting** | | | | | | | | | | | | | | |
| 11 | Outdoor Area Lighting Service | 15 | 7,718 | 11,556 | $1,415 | $122 | $1,537 | $1,435 | $122 | $1,556 | $20 | 1.4% | $20 | 1.3% | 11 |
| 12 | Street Lighting Service | 50 | 317 | 11,406 | $1,222 | $110 | $1,332 | $1,238 | $110 | $1,348 | $16 | 1.3% | $16 | 1.2% | 12 |
| 13 | Street Lighting Service HPS | 51 | 660 | 15,575 | $2,682 | $229 | $2,911 | $2,717 | $229 | $2,946 | $35 | 1.3% | $35 | 1.2% | 13 |
| 14 | Street Lighting Service | 52 | 112 | 1,828 | $219 | $18 | $237 | $222 | $18 | $240 | $3 | 1.5% | $3 | 1.3% | 14 |
| 15 | Street Lighting Service | 53 | 229 | 8,459 | $528 | $54 | $582 | $535 | $54 | $589 | $6 | 1.2% | $6 | 1.1% | 15 |
| 16 | Recreational Field Lighting | 54 | 98 | 836 | $70 | $5 | $75 | $71 | $5 | $76 | $1 | 1.5% | $1 | 1.4% | 16 |
| 17 | **Total Public Street Lighting** | | 9,134 | 49,660 | $6,136 | $537 | $6,673 | $6,218 | $537 | $6,755 | $82 | 1.3% | $82 | 1.2% | 17 |
| 18 | **Total Sales to Ultimate Consumers** | | 566,272 | 13,577,548 | $918,268 | $11,214 | $929,482 | $959,446 | $11,214 | $970,660 | $41,178 | 4.5% | $41,178 | 4.4% | 18 |
| 19 | **Employee Discount** | | | 21,641 | ($447) | ($3) | ($450) | ($465) | ($3) | ($468) | ($17) | | ($17) | | 19 |
| 20 | **Total Sales with Employee Discount** | | 566,272 | 13,577,548 | $917,821 | $11,211 | $929,031 | $958,981 | $11,211 | $970,192 | $41,161 | 4.5% | $41,161 | 4.4% | 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 | $919,375 | $11,211 | $930,585 | $960,535 | $11,211 | $971,746 | $41,161 | 4.5% | $41,161 | 4.4% | 22 |

[1] Excludes effects of the Low Income Bill Payment Assistance Charge (Schedule 91), Public Purpose Charge (Schedule 290) and Energy Conservation Charge (Schedule 297).
[2] Percentages shown for Schedules 48 and 47 reflect the combined rate change for both schedules

PPL/204
Ridenour Exhibit

Case UE-
Exhibit PPL/204
Witness: Judith M. Ridenour

BEFORE THE PUBLIC UTILITY COMMISSION

OF THE STATE OF OREGON

PACIFICORP

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**Exhibit Accompanying Direct Testimony of Judith M. Ridenour**

**MONTHLY BILLING COMPARISONS**

April 2008

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

| | Monthly Billing* | | | Percent |
|---|---|---|---|---|
| kWh | Present Price | Proposed Price | Difference | Difference |
| 100 | $15.59 | $15.91 | $0.32 | 2.05% |
| 200 | $22.94 | $23.59 | $0.65 | 2.83% |
| 300 | $30.30 | $31.27 | $0.97 | 3.20% |
| 400 | $37.65 | $38.95 | $1.30 | 3.45% |
| 500 | $45.01 | $46.63 | $1.62 | 3.60% |
| 600 | $53.03 | $54.97 | $1.94 | 3.66% |
| 700 | $61.07 | $63.32 | $2.25 | 3.68% |
| 800 | $69.09 | $71.67 | $2.58 | 3.73% |
| 900 | $77.12 | $80.02 | $2.90 | 3.76% |
| 1,000 | $85.15 | $88.37 | $3.22 | 3.78% |
| 1,100 | $94.18 | $97.73 | $3.55 | 3.77% |
| 1,200 | $103.22 | $107.08 | $3.86 | 3.74% |
| 1,300 | $112.25 | $116.44 | $4.19 | 3.73% |
| 1,400 | $121.29 | $125.80 | $4.51 | 3.72% |
| 1,500 | $130.32 | $135.16 | $4.84 | 3.71% |
| 1,600 | $139.34 | $144.50 | $5.16 | 3.70% |
| 2,000 | $175.48 | $181.93 | $6.45 | 3.68% |
| 3,000 | $265.82 | $275.49 | $9.67 | 3.64% |
| 4,000 | $356.16 | $369.05 | $12.89 | 3.62% |
| 5,000 | $446.49 | $462.61 | $16.12 | 3.61% |

* Net rate including Schedules 91, 290 and 297.
Note: Assumed average billing cycle length of 30.42 days.

PPL/204
Ridenour/1

# 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 | $51 | $60 | $53 | $61 | 3.23% | 2.78% |
| | 750 | $69 | $77 | $71 | $80 | 3.60% | 3.22% |
| | 1,000 | $86 | $94 | $90 | $98 | 3.84% | 3.50% |
| | 1,500 | $121 | $129 | $126 | $134 | 4.10% | 3.84% |
| 10 | 1,000 | $86 | $94 | $90 | $98 | 3.84% | 3.50% |
| | 2,000 | $156 | $164 | $163 | $171 | 4.24% | 4.03% |
| | 3,000 | $226 | $234 | $236 | $244 | 4.40% | 4.24% |
| | 4,000 | $283 | $292 | $297 | $305 | 4.67% | 4.54% |
| 20 | 4,000 | $308 | $317 | $322 | $330 | 4.29% | 4.18% |
| | 6,000 | $424 | $432 | $444 | $452 | 4.68% | 4.59% |
| | 8,000 | $539 | $547 | $566 | $574 | 4.90% | 4.83% |
| | 10,000 | $655 | $663 | $688 | $696 | 5.05% | 4.99% |
| 30 | 9,000 | $647 | $655 | $677 | $685 | 4.60% | 4.54% |
| | 12,000 | $820 | $829 | $860 | $868 | 4.84% | 4.79% |
| | 15,000 | $994 | $1,002 | $1,043 | $1,051 | 4.99% | 4.95% |
| | 18,000 | $1,167 | $1,175 | $1,226 | $1,234 | 5.10% | 5.07% |
| 31 | 9,300 | $670 | $678 | $700 | $708 | 4.59% | 4.54% |
| | 12,400 | $848 | $857 | $889 | $898 | 4.83% | 4.79% |
| | 15,500 | $1,027 | $1,036 | $1,079 | $1,087 | 4.99% | 4.95% |
| | 18,600 | $1,206 | $1,215 | $1,268 | $1,276 | 5.10% | 5.06% |

* Net rate including Schedules 91, 290 and 297.

# 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 | $50 | $59 | $52 | $60 | 3.27% | 2.81% |
| | 750 | $67 | $76 | $70 | $78 | 3.68% | 3.28% |
| | 1,000 | $84 | $93 | $88 | $96 | 3.91% | 3.57% |
| | 1,500 | $118 | $126 | $123 | $131 | 4.20% | 3.93% |
| 10 | 1,000 | $84 | $93 | $88 | $96 | 3.91% | 3.57% |
| | 2,000 | $152 | $160 | $159 | $167 | 4.35% | 4.13% |
| | 3,000 | $220 | $228 | $230 | $238 | 4.52% | 4.35% |
| | 4,000 | $276 | $284 | $289 | $297 | 4.79% | 4.66% |
| 20 | 4,000 | $300 | $309 | $314 | $322 | 4.40% | 4.29% |
| | 6,000 | $413 | $421 | $432 | $441 | 4.81% | 4.72% |
| | 8,000 | $525 | $533 | $551 | $559 | 5.04% | 4.96% |
| | 10,000 | $637 | $645 | $670 | $678 | 5.19% | 5.13% |
| 30 | 9,000 | $630 | $638 | $660 | $668 | 4.72% | 4.66% |
| | 12,000 | $798 | $806 | $838 | $846 | 4.97% | 4.92% |
| | 15,000 | $966 | $975 | $1,016 | $1,024 | 5.13% | 5.09% |
| | 18,000 | $1,135 | $1,143 | $1,194 | $1,202 | 5.24% | 5.21% |

* Net rate including Schedules 91, 290 and 297.

PPL/204
Ridenour/3

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

| kW | | Monthly Billing* | | Percent |
|---|---|---|---|---|
| Load Size | kWh | Present Price | Proposed Price | Difference |
| 15 | 4,500 | $310 | $325 | 4.69% |
| | 7,500 | $465 | $489 | 5.22% |
| | 10,500 | $620 | $654 | 5.48% |
| 31 | 9,300 | $627 | $658 | 4.79% |
| | 15,500 | $948 | $998 | 5.29% |
| | 21,700 | $1,266 | $1,336 | 5.54% |
| 40 | 12,000 | $806 | $845 | 4.82% |
| | 20,000 | $1,219 | $1,284 | 5.30% |
| | 28,000 | $1,624 | $1,714 | 5.58% |
| 60 | 18,000 | $1,204 | $1,262 | 4.84% |
| | 30,000 | $1,812 | $1,909 | 5.35% |
| | 42,000 | $2,419 | $2,554 | 5.62% |
| 80 | 24,000 | $1,593 | $1,671 | 4.87% |
| | 40,000 | $2,401 | $2,531 | 5.39% |
| | 56,000 | $3,209 | $3,391 | 5.64% |
| 100 | 30,000 | $1,980 | $2,077 | 4.90% |
| | 50,000 | $2,990 | $3,152 | 5.41% |
| | 70,000 | $4,000 | $4,227 | 5.66% |
| 200 | 60,000 | $3,893 | $4,087 | 4.98% |
| | 100,000 | $5,913 | $6,237 | 5.47% |
| | 140,000 | $7,934 | $8,387 | 5.71% |

* Net rate including Schedules 91, 290 and 297.

PPL/204
Ridenour/4

**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 | $313 | $327 | 4.66% |
| | 7,500 | $459 | $483 | 5.29% |
| | 10,500 | $605 | $639 | 5.62% |
| 31 | 9,300 | $629 | $659 | 4.78% |
| | 15,500 | $930 | $981 | 5.39% |
| | 21,700 | $1,230 | $1,300 | 5.70% |
| 40 | 12,000 | $806 | $845 | 4.81% |
| | 20,000 | $1,196 | $1,260 | 5.41% |
| | 28,000 | $1,576 | $1,667 | 5.75% |
| 60 | 18,000 | $1,205 | $1,263 | 4.83% |
| | 30,000 | $1,777 | $1,874 | 5.46% |
| | 42,000 | $2,348 | $2,483 | 5.79% |
| 80 | 24,000 | $1,592 | $1,669 | 4.88% |
| | 40,000 | $2,352 | $2,482 | 5.50% |
| | 56,000 | $3,113 | $3,294 | 5.82% |
| 100 | 30,000 | $1,977 | $2,074 | 4.91% |
| | 50,000 | $2,928 | $3,089 | 5.52% |
| | 70,000 | $3,878 | $4,105 | 5.84% |
| 200 | 60,000 | $3,869 | $4,064 | 5.01% |
| | 100,000 | $5,771 | $6,094 | 5.60% |
| | 140,000 | $7,672 | $8,125 | 5.90% |

* Net rate including Schedules 91, 290 and 297.

PPL/204
Ridenour/5

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

| kW | | Monthly Billing* | | Percent |
|---|---|---|---|---|
| Load Size | kWh | Present Price | Proposed Price | Difference |
| 100 | 30,000 | $2,176 | $2,271 | 4.33% |
| | 50,000 | $3,060 | $3,217 | 5.13% |
| | 70,000 | $3,943 | $4,162 | 5.58% |
| 200 | 60,000 | $3,900 | $4,088 | 4.83% |
| | 100,000 | $5,666 | $5,980 | 5.54% |
| | 140,000 | $7,432 | $7,872 | 5.92% |
| 300 | 90,000 | $5,736 | $6,019 | 4.93% |
| | 150,000 | $8,385 | $8,857 | 5.62% |
| | 210,000 | $11,035 | $11,694 | 5.98% |
| 400 | 120,000 | $7,510 | $7,887 | 5.02% |
| | 200,000 | $11,042 | $11,670 | 5.69% |
| | 280,000 | $14,574 | $15,454 | 6.04% |
| 500 | 150,000 | $9,290 | $9,761 | 5.07% |
| | 250,000 | $13,705 | $14,490 | 5.73% |
| | 350,000 | $18,120 | $19,220 | 6.07% |
| 600 | 180,000 | $11,070 | $11,635 | 5.11% |
| | 300,000 | $16,368 | $17,310 | 5.76% |
| | 420,000 | $21,666 | $22,986 | 6.09% |
| 800 | 240,000 | $14,629 | $15,383 | 5.15% |
| | 400,000 | $21,694 | $22,951 | 5.79% |
| | 560,000 | $28,759 | $30,518 | 6.12% |
| 1000 | 300,000 | $18,189 | $19,132 | 5.18% |
| | 500,000 | $27,020 | $28,591 | 5.81% |
| | 700,000 | $35,851 | $38,050 | 6.13% |

* Net rate including Schedules 91, 290 and 297.

PPL/204
Ridenour/6

**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 | $2,130 | $2,224 | 4.42% |
| | 50,000 | $2,994 | $3,151 | 5.25% |
| | 70,000 | $3,859 | $4,079 | 5.70% |
| 200 | 60,000 | $3,816 | $4,005 | 4.94% |
| | 100,000 | $5,545 | $5,859 | 5.67% |
| | 140,000 | $7,274 | $7,714 | 6.05% |
| 300 | 90,000 | $5,610 | $5,893 | 5.04% |
| | 150,000 | $8,204 | $8,675 | 5.74% |
| | 210,000 | $10,798 | $11,457 | 6.11% |
| 400 | 120,000 | $7,363 | $7,740 | 5.12% |
| | 200,000 | $10,822 | $11,450 | 5.81% |
| | 280,000 | $14,280 | $15,159 | 6.16% |
| 500 | 150,000 | $9,106 | $9,577 | 5.17% |
| | 250,000 | $13,429 | $14,214 | 5.85% |
| | 350,000 | $17,752 | $18,851 | 6.19% |
| 600 | 180,000 | $10,849 | $11,414 | 5.21% |
| | 300,000 | $16,036 | $16,979 | 5.88% |
| | 420,000 | $21,223 | $22,543 | 6.22% |
| 800 | 240,000 | $14,335 | $15,089 | 5.26% |
| | 400,000 | $21,251 | $22,507 | 5.91% |
| | 560,000 | $28,167 | $29,926 | 6.25% |
| 1000 | 300,000 | $17,820 | $18,763 | 5.29% |
| | 500,000 | $26,465 | $28,036 | 5.94% |
| | 700,000 | $35,111 | $37,310 | 6.26% |

* Net rate including Schedules 91, 290 and 297.

PPL/204
Ridenour/7

**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 | $192 | $212 | $185 | $202 | $221 | $185 | 5.04% | 4.57% | 0.00% |
| | 5,000 | $320 | $340 | $185 | $336 | $356 | $185 | 5.04% | 4.75% | 0.00% |
| | 7,000 | $448 | $467 | $185 | $470 | $490 | $185 | 5.04% | 4.83% | 0.00% |
| Three Phase | | | | | | | | | | |
| 20 | 6,000 | $384 | $423 | $371 | $403 | $443 | $371 | 5.04% | 4.57% | 0.00% |
| | 10,000 | $639 | $679 | $371 | $672 | $711 | $371 | 5.04% | 4.75% | 0.00% |
| | 14,000 | $895 | $935 | $371 | $940 | $980 | $371 | 5.04% | 4.83% | 0.00% |
| 100 | 30,000 | $1,918 | $2,140 | $1,504 | $2,015 | $2,237 | $1,504 | 5.04% | 4.52% | 0.00% |
| | 50,000 | $3,197 | $3,435 | $1,504 | $3,358 | $3,597 | $1,504 | 5.04% | 4.69% | 0.00% |
| | 70,000 | $4,476 | $4,730 | $1,504 | $4,702 | $4,956 | $1,504 | 5.04% | 4.77% | 0.00% |
| 300 | 90,000 | $5,755 | $6,421 | $3,770 | $6,045 | $6,712 | $3,770 | 5.04% | 4.52% | 0.00% |
| | 150,000 | $9,591 | $10,306 | $3,770 | $10,075 | $10,790 | $3,770 | 5.04% | 4.69% | 0.00% |
| | 210,000 | $13,428 | $14,191 | $3,770 | $14,105 | $14,868 | $3,770 | 5.04% | 4.77% | 0.00% |

* Net rate including Schedules 91, 290 and 297.

PPL/204
Ridenour/8

**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 | $185 | $204 | $185 | $194 | $214 | $185 | 5.23% | 4.75% | 0.00% |
| | 5,000 | $308 | $327 | $185 | $324 | $343 | $185 | 5.24% | 4.93% | 0.00% |
| | 7,000 | $431 | $450 | $185 | $454 | $473 | $185 | 5.24% | 5.01% | 0.00% |
| Three Phase | | | | | | | | | | |
| 20 | 6,000 | $369 | $408 | $371 | $389 | $427 | $371 | 5.24% | 4.74% | 0.00% |
| | 10,000 | $616 | $654 | $371 | $648 | $687 | $371 | 5.24% | 4.93% | 0.00% |
| | 14,000 | $862 | $901 | $371 | $907 | $946 | $371 | 5.24% | 5.01% | 0.00% |
| 100 | 30,000 | $1,847 | $2,064 | $1,494 | $1,944 | $2,161 | $1,494 | 5.24% | 4.69% | 0.00% |
| | 50,000 | $3,079 | $3,311 | $1,494 | $3,240 | $3,473 | $1,494 | 5.24% | 4.87% | 0.00% |
| | 70,000 | $4,310 | $4,559 | $1,494 | $4,536 | $4,785 | $1,494 | 5.24% | 4.95% | 0.00% |
| 300 | 90,000 | $5,542 | $6,192 | $3,760 | $5,832 | $6,482 | $3,760 | 5.24% | 4.69% | 0.00% |
| | 150,000 | $9,236 | $9,934 | $3,760 | $9,720 | $10,418 | $3,760 | 5.24% | 4.87% | 0.00% |
| | 210,000 | $12,931 | $13,677 | $3,760 | $13,608 | $14,354 | $3,760 | 5.24% | 4.95% | 0.00% |

* Net rate including Schedules 91, 290 and 297.

PPL/204
Ridenour/9

# 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 | | Monthly Billing | | Percent |
|---|---|---|---|---|
| Load Size | kWh | Present Price | Proposed Price | Difference |
| 1,000 | 300,000 | $17,239 | $18,119 | 5.11% |
| | 500,000 | $25,380 | $26,848 | 5.78% |
| | 700,000 | $33,521 | $35,576 | 6.13% |
| 2,000 | 600,000 | $34,158 | $35,919 | 5.16% |
| | 1,000,000 | $49,881 | $52,816 | 5.89% |
| | 1,400,000 | $65,740 | $69,849 | 6.25% |
| 4,000 | 1,200,000 | $67,224 | $70,747 | 5.24% |
| | 2,000,000 | $98,942 | $104,813 | 5.93% |
| | 2,800,000 | $130,660 | $138,879 | 6.29% |
| 6,000 | 1,800,000 | $99,778 | $105,062 | 5.30% |
| | 3,000,000 | $147,355 | $156,161 | 5.98% |
| | 4,200,000 | $194,931 | $207,260 | 6.32% |

Notes:

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

* Net rate including Schedules 91 and 290. Schedule 297 not included for kWh levels over 730,000.

PPL/204
Ridenour/10

# 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 | $15,923 | $16,804 | 5.53% |
| | 500,000 | $23,696 | $25,164 | 6.19% |
| | 700,000 | $31,469 | $33,523 | 6.53% |
| 2,000 | 600,000 | $31,568 | $33,330 | 5.58% |
| | 1,000,000 | $46,554 | $49,489 | 6.31% |
| | 1,400,000 | $61,675 | $65,785 | 6.66% |
| 4,000 | 1,200,000 | $62,087 | $65,609 | 5.67% |
| | 2,000,000 | $92,329 | $98,200 | 6.36% |
| | 2,800,000 | $122,572 | $130,792 | 6.71% |
| 6,000 | 1,800,000 | $92,648 | $97,932 | 5.70% |
| | 3,000,000 | $138,012 | $146,819 | 6.38% |
| | 4,200,000 | $183,377 | $195,706 | 6.72% |

Notes:

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

* Net rate including Schedules 91 and 290. Schedule 297 not included for kWh levels over 730,000.

PPL/204
Ridenour/11

**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 | $14,660 | $15,540 | 6.01% |
| | 500,000 | $22,078 | $23,545 | 6.65% |
| | 700,000 | $29,496 | $31,551 | 6.97% |
| 2,000 | 600,000 | $29,052 | $30,813 | 6.06% |
| | 1,000,000 | $43,328 | $46,263 | 6.78% |
| | 1,400,000 | $57,740 | $61,849 | 7.12% |
| 4,000 | 1,200,000 | $57,064 | $60,586 | 6.17% |
| | 2,000,000 | $85,887 | $91,758 | 6.84% |
| | 2,800,000 | $114,711 | $122,931 | 7.17% |
| 6,000 | 1,800,000 | $85,438 | $90,722 | 6.18% |
| | 3,000,000 | $128,674 | $137,480 | 6.84% |
| | 4,200,000 | $171,910 | $184,239 | 7.17% |

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

* Net rate including Schedules 91 and 290. Schedule 297 not included for kWh levels over 730,000.

PPL/204
Ridenour/12