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July 9, 2007

*Via Electronic Filing and U.S. Mail*

Oregon Public Utility Commission  
Attention: Filing Center  
550 Capitol Street NE, #215  
PO Box 2148  
Salem OR 97308-2148

**Re: UE 192 – 2008 Annual Power Cost Update Tariff Filing**

Attention Filing Center:

Enclosed for filing in UE 192 on behalf of Portland General Electric Company are an original and five copies of:

- **Rebuttal Testimony of Alex Tooman, Jay Tinker and Stephen Schue –PGE/300 (Policy).**
- **Exhibits 301C and 302 C (Both of these are confidential and subject to Protective Order 07-135 and therefore not to be posted on the PUC website).**

Also enclosed are three copies of:

- **Workpapers.** (Confidential and subject to Protective Order 07-135 and therefore not to be posted on the PUC website. They are in Excel file format and will be sent electronically via CD).

These documents are being filed electronically. Hard copies will be sent via postal mail.

An extra copy of this cover letter is enclosed. Please date stamp the extra copy and return it to me in the envelope provided.

Thank you in advance for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Tingey", written in a cursive style.

DOUGLAS C. TINGEY

DCT:jbf  
Enclosures  
cc: Service List-UE 192

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

**UE 192**  
Annual Update Tariff Filing  
For Prices Effective January 1, 2008

**PORTLAND GENERAL ELECTRIC COMPANY**

**Rebuttal Testimony and Exhibits**

**July 9, 2007**

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

# **Power Costs**

**PORTLAND GENERAL ELECTRIC COMPANY**

Rebuttal Testimony and Exhibits of

*Alex Tooman – Jay Tinker – Stephen Schue*

**July 9, 2007**

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**I. Introduction**

1 **Q. What are your names and positions with Portland General Electric?**

2 A. My name is Alex Tooman. I am a project manager for PGE. I am responsible, along with  
3 Mr. Tinker, for the development of PGE's revenue requirement forecast. In addition, my  
4 areas of responsibility include affiliated interest filings, results of operations reporting, and  
5 other regulatory analyses.

6 My name is Jay Tinker. I am also a project manager for PGE. My areas of  
7 responsibility include revenue requirement analyses and other regulatory analyses.

8 My name is Stephen Schue. I am a senior analyst for PGE. My areas of responsibility  
9 include power supply analysis and other regulatory analyses.

10 Our qualifications appear in Section VI of PGE Exhibit 100.

11 **Q. What is the purpose of your testimony?**

12 A. The purpose of this testimony is to respond to Staff Exhibits 100 and 102, CUB Exhibits 100  
13 and 102-105, and ICNU Exhibits 100 and 102.

14 **Q. What specific issues do you address?**

15 A. In Section II, we discuss Staff's recommendation on how to handle net ancillary service  
16 revenues within the context of the Annual Update Tariff (AUT) and Annual Variance or  
17 Power Cost Adjustment Mechanism (PCAM). In Section III, we rebut CUB's assertion that  
18 the Boardman forced outage rate assumption should exclude data from 2005 and 2006. In  
19 Section IV, we rebut ICNU's assertion that the Commission should disallow costs of the  
20 Cold Snap contract in the 2008 AUT. In Section V, we agree with ICNU's recommendation  
21 that certain costs not be updated in the 2008 AUT.

1 **Q. Before you discuss those specific issues, do you have any general comments regarding**  
2 **the testimony of CUB and ICNU?**

3 A. Yes. Both CUB and ICNU suggest changes that appear to go beyond the limited updates  
4 allowed under PGE Tariff Schedule 125.

5 During operation of the AUT's predecessor, the Resource Valuation Mechanism  
6 (RVM), other parties, especially CUB and ICNU, disagreed with the level of updates and  
7 changes proposed by PGE. For example, in Docket UE 139, CUB stated that "we simply  
8 cannot allow for a process that has 163 changes, with most of them unsupported, and no  
9 time to investigate those changes." (UE 139, CUB 100 at 6, Lines 11-13). In Docket  
10 UE 149, ICNU stated that "PGE proposes to make some 75 changes to the Monet model  
11 inputs and logic in this proceeding. Of these changes, PGE considers thirteen to be model  
12 'enhancements,' or inclusion of new costs. Based on the language previously quoted from  
13 Schedule 125, only updates to specific pre-existing costs and inputs modeled in Monet are  
14 allowed in the RVM annual filing." (UE 149, ICNU 100 at 12, Lines 10-14). In response to  
15 this criticism, PGE proposed a revised update mechanism in Docket UE 180 that the  
16 Commission adopted in Order No. 07-015. As stated in the current Tariff Schedule 125,  
17 updates are limited to:

- 18 • Forced Outage Rates based on a four-year rolling average.
- 19 • Projected planned plant outages.
- 20 • Forward market prices for both gas and electricity.
- 21 • Projected loads.
- 22 • Contracts for the purchase or sale of power and fuel.
- 23 • Changes in hedges, options, and other financial instruments used to serve retail load.

- 1           • Transportation contracts.
- 2           • No other changes or updates will be made in the annual filings under this schedule.

3           Thus, according to OPUC Order No. 07-015, modeling changes are not allowed and PGE  
4           has foregone proposing a number of changes that it would otherwise include. CUB and  
5           ICNU do not appear to feel similarly constrained.

**II. Net Revenues from the Sale of Ancillary Services**

1 **Q. What does Staff recommend regarding net ancillary services?**

2 A. Staff recommends that the Commission order PGE to revise the base ancillary service  
3 revenue forecast for use in the PCAM variance calculation each year. However, given  
4 recent data, Staff does not recommend any change for 2008.

5 **Q. What complications do you see in this approach?**

6 A. Order 07-015 directs that net ancillary service revenues be included in Other Revenues,  
7 which are not subject to the Annual Update Tariff (AUT). “This results in an adjustment of  
8 approximately \$1.43 million. This adjustment is made to Other Revenues in revenue  
9 requirement.” (Order 07-015 at 16). However, Staff’s approach could require a change to  
10 Other Revenues before the next general rate case.

11 **Q. What do you recommend?**

12 A. PGE recommends that the net ancillary service revenue forecast of \$1.4 million approved by  
13 Order No. 07-015 remain in place until the next general rate case. Differences between this  
14 forecast and actual revenues remain subject to the annual PCAM. PGE will revisit the net  
15 ancillary service revenue forecast in its next general rate case, likely to be based on either a  
16 2009 or 2010 test year.

17 **Q. Will your approach and Staff’s differ for 2008?**

18 A. No. As noted above, Staff recommends no change to the net ancillary service revenue  
19 forecast for 2008. “For the 2008 Annual Update, the forecast of \$1.43 million remains  
20 reasonable” (Staff 100 at 5, Lines 9-10). However, the two approaches could differ in the  
21 future.

### III. Boardman Forced Outage Rate Calculation

1 **Q. Please summarize this section of your testimony.**

2 A. In this section, we make three main points. They are:

3 1. This is not the appropriate docket for consideration of CUB's recommended  
4 Boardman forced outage rate calculation.

5 2. CUB's approach is "results driven," and subjectively selects among years to  
6 calculate a low Boardman forced outage rate.

7 3. CUB incorrectly applies the four-year rolling average methodology to the data it  
8 subjectively chooses for its calculation.

9 **Q. How did PGE calculate the Boardman forced outage rate?**

10 A. Consistent with Order No. 07-015, PGE excluded the first and second Boardman outage  
11 periods (i.e. November 18, 2005, through June 6, 2006) and then applied the traditional  
12 four-year rolling average methodology.

13 **Q. What does CUB recommend as a method for calculating the 2008 Boardman forced  
14 outage rate?**

15 A. CUB recommends entirely excluding 2005 and 2006 from the calculation, and instead  
16 computing a simple average of the modified equivalent forced outage rates for the years  
17 2001-2004.

18 **Q. Why does CUB recommend this change from the long-standing rolling four-year  
19 average methodology?**

20 A. CUB wants to remove 2005 and 2006 forced outage data from the calculation because, in  
21 CUB's view, they are too high. CUB acknowledges that "Removing the November 18,  
22 2005, through June 6, 2006, from Boardman's four-year average of forced outages is

1 appropriate and consistent with the Commission’s Order in UE 180,” (CUB 100 at 2, Lines  
2 8-10) but then goes on to assert that “the portions of 2005 and 2006 that are not removed,  
3 also do not represent normal operating performance, and are not, therefore, appropriately  
4 used to forecast future, normal plant operation.” (CUB 100 at 2, Lines 10-12).

5 **Q. Do you agree with CUB’s recommendation?**

6 A. No. CUB basically dismisses the decision of the Commission in Order No. 07-015 and  
7 substitutes its own judgement.

8 **Q. Why do you disagree with CUB’s approach?**

9 A. We disagree with CUB for three reasons. First, this is not the appropriate docket for  
10 consideration of major changes in forced outage rate methodology. Second, CUB’s  
11 approach is results-driven. It subjectively selects years which have low forced outage rates  
12 for use in its calculation. Finally, even after selecting the years 2001-2004, CUB does not  
13 correctly apply the four-year average methodology.

14 **Q. Why is this not the appropriate docket for considering changes in the long-standing**  
15 **rolling four-year average methodology?**

16 A. In Order No. 07-015, the Commission stated that it would “open a new docket to review the  
17 appropriate method for determining the forced outage rate for generating plants....” (Order  
18 No. 07-015 at 56). Staff concurs, stating that a new docket or “investigation into the  
19 appropriate methodology for determining ‘normal’ equivalent forced outage rates is the  
20 appropriate docket to revisit the use of NERC data, or other methods, for determining forced  
21 outage rates...” (Staff 100 at 4, Lines 8-11). In other words, it is inappropriate to consider  
22 changes in the rolling four-year average methodology in this docket.

1 **Q. Does PGE’s Tariff Schedule 125 allow for the change in methodology that CUB**  
2 **advocates?**

3 A. No. Tariff Schedule 125, which implements the AUT, allows for a very limited list of  
4 updates. These include updating forced outage rates “based on the four-year rolling  
5 average.” For purposes of this docket, Schedule 125 dictates that Boardman’s 2008 forced  
6 outage rate assumption be computed by applying the four-year rolling average methodology  
7 to data from the years 2003-2006, rather than data from the years 2002-2005 (used in  
8 Docket UE 180, PGE’s last general rate case). It does not provide for changes in  
9 methodology that might allow the use of data from 2001-2004.

10 **Q. Does this mean that CUB’s recommendation attempts to expand the list of allowable**  
11 **updates in the AUT process?**

12 A. Yes.

13 **Q. Why do you assert that CUB’s approach is results driven?**

14 A. Compared to the four-year rolling average methodology, CUB has substituted data from  
15 relatively low forced outage years for data from relatively high forced outage years. This  
16 arbitrary data selection approach does produce a much lower result, but, as we state above, it  
17 is inconsistent with Order No. 07-015 and violates the limited update provision of the AUT  
18 mechanism.

19 CUB wants to exclude 2005 and 2006 because it believes that forced outage rates are  
20 too high in the relevant portions of those years, stating that “Boardman’s performance, that  
21 PGE includes in its calculation, from January through October of 2005 and June through  
22 December of 2006 is extremely poor, so much so that it is difficult to see how these periods  
23 could be used as a measure of normal performance.” (CUB 100 at 3, Lines 14-17). CUB

1 then adds 2001 and 2002 so as to have four years of data. However, the 2001 modified  
2 equivalent forced outage rate that CUB uses is extremely low, the lowest of all years in the  
3 2000-2006 period.

4 **Q. Why do you assert that, even given its results-driven selection of the years 2001-2004**  
5 **for the Boardman forced outage rate calculation, CUB's calculation is inconsistent**  
6 **with the four-year rolling average methodology?**

7 A. CUB takes a simple average of the modified equivalent forced outage rates for the four  
8 years. However, the four-year rolling average methodology is more complex. We include  
9 the detailed calculation in the confidential work papers to this testimony. This part of  
10 CUB's methodology results in a slightly higher forced outage rate, but it is nonetheless an  
11 incorrect application of the four-year rolling average methodology.

12 In summary, CUB applies an incorrect methodology to inappropriate years.  
13 Substituting 2001 and 2002 for 2005 and 2006 subjectively adjusts the resulting forced  
14 outage rate calculation, in direct contradiction to: 1) CUB's previous statements regarding  
15 power cost updates, and 2) Commission Order No. 07-015.

#### IV. Cold Snap Contract

1 **Q. Please summarize this section of your testimony.**

2 A. In this section, we make three main points. They are:

3 1. Evidence in Docket UE 180 demonstrated that the Cold Snap contract has no  
4 extrinsic value, and this is not the appropriate docket for reconsideration of that  
5 finding.

6 2. ICNU's analysis is entirely dependent on the 2000-2001 energy crisis, a very  
7 unusual event.

8 3. The calculation excludes data not favorable to ICNU's desired results and is  
9 inconsistent with the contract's maximum "take" provision.

10 **Q. What is ICNU's recommendation regarding inclusion of the Cold Snap contract's**  
11 **demand charge in 2008 net variable power costs?**

12 A. ICNU recommends that "the Commission make an extrinsic value adjustment, but limit it to  
13 the value of the Cold Snap demand charge." (ICNU 100 at 9, Lines 3-4).

14 **Q. What basis does ICNU rely upon to support its position?**

15 A. ICNU states that "the OPUC did not adopt an adjustment for the Cold Snap contract because  
16 there was no suitable evidence in the record to demonstrate the contract's extrinsic value,"  
17 (ICNU 100 at 7, Lines 13-15) and that "ICNU requested in UE 180 that the Company  
18 provide a copy of any studies used to determine the extrinsic value for the contract," but that  
19 "no extrinsic value study was provided." (ICNU 100 at 7, Lines 23-24 and at 8, Line 1).  
20 ICNU then notes that it "will provide an extrinsic value estimate for the Cold Snap contract,  
21 comparable to the estimate adopted by the Commission for the Super Peak contract."  
22 (ICNU 100 at 7, Lines 18-20).

1 **Q. Do you agree with ICNU's assertions?**

2 A. No. As part of its Response to ICNU Data Request No. 020 in Docket UE 180, PGE  
3 provided an extrinsic value analysis for the Cold Snap contract comparable to that adopted  
4 by the Commission for the Super Peak contract. Both came from the scoring process that  
5 PGE used to rank capacity products bid into its 2003 Request for Proposals. The Cold Snap  
6 analysis showed an extrinsic value of less than zero. PGE Confidential Exhibit **301C** is a  
7 copy of the Cold Snap contract portion of its Response to ICNU Data Request No. 020 in  
8 UE 180. OPUC Staff Exhibit 204 in Docket UE 180 relied on the same analysis that PGE  
9 used to rank capacity products bid into its 2003 Request for Proposals, and Staff concluded  
10 that the Cold Snap contract had no extrinsic value. PGE Confidential Exhibit **302C** is a  
11 copy of Staff Exhibit 204 in Docket UE 180.

12 **Q. Did ICNU find that the Cold Snap contract had positive extrinsic value in Docket**  
13 **UE 180?**

14 A. No. ICNU Witness Falkenberg stated "For the other capacity tolling contract (PPM Cold  
15 Snap), I performed an extrinsic value analysis but found no extrinsic value." (UE 180,  
16 ICNU 103 at 10, Lines 11-12).

17 **Q. Does the OPUC Staff address the inclusion of no extrinsic value adjustment for the**  
18 **Cold Snap contract in Order No. 07-015?**

19 A. Yes. Referring to the evidence presented above, Staff states that it "believes the  
20 Commission resolved the issue of the extrinsic value of the Cold Snap contract based on this  
21 evidence." (Staff 100 at 3, Lines 14-15).

22 **Q. If there were new information available on possible extrinsic value of the Cold Snap**  
23 **contract, would this be the appropriate docket for its consideration?**

1 A. No. Based on the evidence presented in Docket UE 180, including ICNU’s own statement  
2 that its witness “found no extrinsic value” (UE 180, ICNU 103 at 10, Line 12), no party was  
3 able to show extrinsic value for the contract. Now ICNU seeks to try again. However, the  
4 Commission made its decision on the extrinsic value of capacity contracts in Docket  
5 UE 180, and, as Staff states “Any further adjustment to PGE’s power costs to account for  
6 the extrinsic value of purchased power agreements or generating resources should be made  
7 after PGE files its report on stochastic power cost modeling and interested parties have had  
8 an opportunity to make recommendations regarding the regulatory treatment of the real  
9 option value of these resources in the Commission’s upcoming stochastic modeling  
10 investigation.” (Staff 100 at 2, Lines 15-21). In other words, re-litigation of extrinsic value,  
11 including that of the Cold Snap contract, is not appropriate in this docket.

12 **Q. Does PGE’s Tariff Schedule 125, which implements the annual update of net variable**  
13 **power costs, allow for re-litigation of the Cold Snap contract’s extrinsic value?**

14 A. No. ICNU appears to make a liberal interpretation of the Tariff Schedule 125’s very limited  
15 list of allowable updates, which includes “Contracts for the purchase and sale of electric  
16 power and fuel.” In the context of the Cold Snap contract, this provision is only intended to  
17 provide for updating the demand charge, which PGE did in its April 2, 2007, filing. ICNU’s  
18 interpretation violates Schedule 125’s limited scope. PGE would have liked to re-litigate the  
19 extrinsic value estimate for its Super-Peak contract that the Commission determined in  
20 Order No. 07-015. However, this is not the appropriate docket for such re-litigation.

21 **Q. ICNU Exhibit 102 calculates an annual extrinsic value for the Cold Snap contract of**  
22 **more than \$12 million. Is this figure reasonable?**

1 A. No. First, it does not pass a fundamental reasonableness test. Second, the result is driven  
2 entirely by an unusual event, the energy crisis of 2000-2001. Third, the calculations are  
3 incorrect because they are inconsistent with the contract year maximum “take” provision.  
4 The analysis also excludes relevant data.

5 **Q. How does the ICNU Exhibit 102 analysis fail a fundamental reasonableness test?**

6 A. It is extremely unlikely that a counterparty would accept the annual demand charge for a  
7 contract which ICNU claims has an annual extrinsic value of \$12 million. In addition, in  
8 Docket UE 180 ICNU recommended an extrinsic value adjustment of \$1.4 million for the  
9 Super-Peak contract. (Docket UE 180, ICNU 103 at 3, Table 1). It is not credible to then  
10 claim that the extrinsic value of the Cold Snap contract, which has a heat rate approximately  
11 2,000 MMBtu/MWh higher, is \$12 million.

12 **Q. How is the ICNU Exhibit 102 result dependent on the energy crisis?**

13 A. In ICNU’s Exhibit 102 analysis, the Cold Snap contract is “in the money” only during the  
14 six-month contract year from November 2000 through April 2001, the time of the energy  
15 crisis. It has no extrinsic value during any of the other 26 months in the analysis period.

16 **Q. Did ICNU make use of more recent data from 2002 to the present?**

17 A. No.

18 **Q. Do you agree with the approach of using data from 1997-2001, but not from 2002 to the  
19 present?**

20 A. No. The energy crisis from late 2000 through 2001 was an unusual event and should not be  
21 the basis of an adjustment. The Cold Snap contract would not have been “in the money” in  
22 ICNU’s analysis during all or almost all of the post-2001 period. For example, during the  
23 first three contractual years (ending April 2007), PGE has not exercised the Cold Snap

1 contract. However, ICNU Exhibit 102 only uses data for certain months from 1996-2001  
2 and 1997-2001. Restricting analysis to this period exaggerates the impact of the unusual  
3 energy crisis period.

4 **Q. Is it appropriate to use energy price data from the energy crisis period in setting**  
5 **Schedule 125 rates?**

6 A. No. This was a very unusual event and should not be incorporated into base rates. The  
7 Request for Proposal (RFP) capacity bid analysis that PGE performed on the Cold Snap and  
8 Super Peak contracts did make some consideration for possible extreme events. However,  
9 as PGE stated in UE 180, this analysis was used to rank RFP bids, not to set rates. “The  
10 need for capacity was the primary factor. An extrinsic value analysis helped to rank  
11 capacity resource bids received in response to PGE’s 2003 RFP.” (UE 180, PGE 2600 at 17,  
12 Lines 20-22).

13 **Q. If very unusual events should not be considered in setting Schedule 125 rates, then how**  
14 **should they be considered?**

15 A. When the very unusual events occur, they will impact actual net variable power costs, which  
16 in turn will impact the Annual Variance calculation under the PCAM mechanism established  
17 by Order No. 07-015. The Commission ordered this PCAM structure to allocate the  
18 financial effects of unusual events between customers and PGE. This includes the effects of  
19 unusual events on the Cold Snap contract.

20 **Q. You stated above that ICNU’s Exhibit 102 calculation does not pass a fundamental**  
21 **reasonableness test. Are there errors in the Exhibit 102 calculation?**

22 A. Yes. There is one very significant error of which PGE is aware.

23 **Q. What is the error that PGE is aware of?**

1 A. The ICNU analysis disregards the contractual year maximum “take” provision of the Cold  
2 Snap contract, a copy of which PGE provided to ICNU in its response to ICNU Data  
3 Request No. 020 in Docket UE 180.

4 **Q. What is the effect of disregarding the contract’s maximum “take” provision?**

5 A. ICNU’s result is dependent on a measure of extrinsic value for the “contract year” in 2000  
6 and 2001. However, ICNU’s analysis allows the contract to “dispatch” almost 10 times the  
7 number of hours allowed by the contract.

8 **Q. Please summarize your findings regarding ICNU’s proposal.**

9 A. ICNU’s proposal

- 10 1. Seeks to re-litigate a matter decided in Order No. 07-015.
- 11 2. Violates the limited update provisions of Schedule 125.
- 12 3. Incorrectly uses the period of the Western Power Crisis to justify an adjustment.
- 13 4. Does not use post-power crisis data.
- 14 5. Ignores the contract’s operational constraints.
- 15 6. Directly contradicts ICNU’s own testimony in Docket UE 180.

16 The best forecast for the Cold Snap contract’s 2008 extrinsic value is zero, i.e. no  
17 extrinsic value adjustment is appropriate. As we noted above, Order No. 07-015 directs that  
18 unexpected events, such as PGE dispatching the Cold Snap contract, be handled by the  
19 PCAM mechanism, not the AUT forecast of net variable power costs.

20 **Q. You assert that the extrinsic value of the Cold Snap contract is zero. Is ICNU’s claim**  
21 **that this contract adds a “dead weight’ to the model, with no offsetting benefits for**  
22 **ratepayers” (ICNU 100 at 6, Lines 9-10) then true?**

1 A. No. Speaking of the Cold Snap and Super-Peak contracts, Order No. 07-015 states on page  
2 13 that “The contracts assure supply for peak loads and emergency events, and therefore  
3 provide service to customers. For this reason, we include both contracts in rates.”

V. Updating Costs in the AUT Process

1 **Q. Does ICNU assert that PGE inappropriately updated certain costs in its April 2, 2007,**  
2 **filing?**

3 A. Yes. ICNU states that “In UE 180, PGE included a number of non-fuel costs in establishing  
4 the net power cost base: Boardman Rail Car Mileage Tax, Boardman Coal Sampling,  
5 Boardman Rail Car Lease, Boardman Rail Car Maintenance, Boardman Trainset Storage  
6 Fee, and Boardman Coal Car Depreciation. While these are legitimate ratemaking expenses,  
7 they are not among the costs listed above that are eligible for update under Schedule 125.”  
8 (ICNU 100 at 10, Lines 4-9) Thus, while ICNU takes a very liberal interpretation of the  
9 Schedule 125 language when addressing the Cold Snap contract, it switches to a literal  
10 interpretation in this instance.

11 **Q. Did PGE intend to include these items in the annual update?**

12 A. Yes. However, as ICNU points out, PGE’s wording of Schedule 125 is unintentionally more  
13 restrictive, and does not allow annual updates of these items. Therefore, we will remove  
14 these cost changes, which total \$173,000 (based on the Monet run included in PGE’s  
15 April 2, 2007 filing) from the update.

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

17 A. Yes.

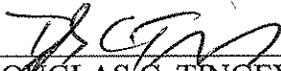
**List of Exhibits**

<b><u>PGE Exhibit</u></b>	<b><u>Description</u></b>
<b>301C</b>	Copy of the Cold Snap Contract <b>(Confidential, provided under separate cover)</b>
<b>302C</b>	Copy of Staff Exhibit 204 in Docket UE 180 <b>(Confidential, provided under separate cover)</b>

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day caused the **REBUTTAL TESTIMONY AND EXHIBITS OF PORTLAND GENERAL ELECTRIC COMPANY (TOOMAN/TINKER/SCHUE) (PGE/300-302)** - to be served by electronic mail to those parties whose email addresses appear on the attached service list, and by First Class US Mail, postage prepaid and properly addressed, to those parties on the attached service list who have not waived paper service.

Dated at Portland, Oregon, this 9<sup>th</sup> day of July 2007.

  
\_\_\_\_\_  
DOUGLAS C. TINGEY

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