

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF THE APPLICATION )  
OF IDAHO POWER COMPANY FOR )  
AUTHORITY TO INCREASE ITS RATES )  
AND CHARGES FOR ELECTRIC SERVICE )  
TO ELECTRIC CUSTOMERS IN THE STATE )  
OF IDAHO. )  
\_\_\_\_\_ )

CASE NO. IPC-E-03-13

IDAHO POWER COMPANY

DIRECT TESTIMONY

OF

GREGORY W. SAID

1 Q. Please state your name and business address.

2 A. My name is Gregory W. Said and my business  
3 address is 1221 West Idaho Street, Boise, Idaho.

4 Q. By whom are you employed and in what  
5 capacity?

6 A. I am employed by Idaho Power Company as the  
7 Manager of Revenue Requirement in the Pricing and Regulatory  
8 Services Department.

9 Q. Please describe your educational background.

10 A. In May of 1975, I received a Bachelor of  
11 Science Degree with honors from Boise State University. In  
12 1999, I attended the Public Utility Executives Course at the  
13 University of Idaho.

14 Q. Please describe your work experience with  
15 Idaho Power Company.

16 A. I became employed by Idaho Power Company in  
17 1980 as an analyst in the Resource Planning Department. In  
18 1985, the Company applied for a general revenue requirement  
19 increase. I was the Company witness addressing power supply  
20 expenses.

21 In August of 1989, after nine years in the  
22 Resource Planning Department, I was offered and I accepted a  
23 position in the Company's Rate Department. With the  
24 Company's application for a temporary rate increase in 1992,  
25 my responsibilities as a witness were expanded. While I





1 3.1 million megawatt-hour reduction in annual system loads  
2 have been replaced by 2.7 million MWh of load growth within  
3 other customer classes.

4 Q. Has the monthly shape of the annual load  
5 changed in the last ten years?

6 A. Yes. The FMC contract as well as the  
7 concluded FERC contracts that existed ten years ago provided  
8 the Company with relatively consistent monthly loads that  
9 were somewhat flat throughout the year. The FMC load had an  
10 interruptible component. Load growth within the various  
11 customer classes has tended to be much more seasonal and  
12 dependent upon weather. As a result of the loss of  
13 relatively flat loads and the addition of non-interruptible  
14 seasonal loads, the Company's Integrated Resource Plan now  
15 shows the need for summer peaking resources (June, July, and  
16 August) and winter peaking resources (November and  
17 December).

18 Q. Please define the term "power supply  
19 expenses" as the Company and the Commission have used the  
20 term historically.

21 A. The Company and the Commission have used the  
22 term "power supply expenses" to refer to the sum of fuel  
23 expenses (FERC accounts 501 and 547) and purchased power  
24 expenses (FERC account 555) excluding PURPA qualifying  
25 facilities (QF) expenses minus surplus sales revenues (FERC

1 account 447). For ratemaking purposes, QF expenses have  
2 been quantified separately from other power supply expenses  
3 and are treated as fixed inputs to power supply modeling  
4 rather than variable outputs.

5 Q. How would you expect power supply expenses to  
6 be affected by the changes in loads, as you have described,  
7 that resulted in approximately the same annual load, but  
8 with seasonal shifts in loads and higher peak hour  
9 requirements?

10 A. I would expect power supply expenses to rise  
11 as a result of the seasonal and peak hour load shifts that  
12 the Company has experienced over the last ten years.  
13 Additional loads during the peak hours of the summer season  
14 will need to be served by higher cost resources.

15 Q. How have market prices of energy changed in  
16 the last ten years?

17 A. Market prices for energy are generally higher  
18 than market prices ten years ago. In the IPC-E-94-5 case it  
19 was assumed that the highest monthly market price that the  
20 Company might encounter would be \$27 per MWh, which is  
21 equivalent to 27 mills per kilowatt-hour (kWh) or 2.7 cents  
22 per kWh. Ignoring the run-up in market prices that occurred  
23 in the 2000-2001 time period, the Company has routinely seen  
24 market prices in the \$40 to \$50 per MWh price range during  
25 the last two drought years. It has been quite some time

1 since the Company and the region experienced high water  
2 conditions, but if high water was to occur, I would expect  
3 that market prices would be significantly lower than the \$40  
4 to \$50 per MWh range, but not as low as the \$7 to \$17 per  
5 MWh range expected to accompany high water conditions ten  
6 years ago.

7 Q. What affect on power supply expenses would  
8 you envision as a result of the upward movement in the  
9 market price for energy?

10 A. As I have mentioned, I believe that a  
11 relationship between hydro conditions and the market price  
12 of energy still exists. When the Company and the region  
13 have abundant water, higher cost generating plants are not  
14 required to satisfy Company or regional loads. The marginal  
15 resource at such times is likely a low cost coal unit or  
16 even on occasion hydro generation. As a result, the market  
17 price for energy will fall to the incremental cost of the  
18 marginal resource. Conversely, when the region is in a  
19 drought condition, as is the current situation, higher cost  
20 coal units and gas-fired units will be the marginal  
21 resources influencing market prices.

22 As a result of the supply and demand  
23 relationship, the Company will continue to encounter higher  
24 market prices when both the Company and the region are  
25 resource deficient and conversely will encounter lower

1 market prices when both the Company and the region have  
2 abundant resources. Power supply expenses are reduced by  
3 higher valued market sales, but are increased by higher  
4 valued market purchases. I would expect overall upward  
5 pressure on power supply expenses as a result of an upward  
6 trend in market prices especially when considering the  
7 seasonal and peak period load shifts that I discussed  
8 earlier.

9 Q. How have the fuel costs of the Company's  
10 coal-fired resources changed over the last ten years?

11 A. My response to this question includes known  
12 and measurable changes to fuel costs, which I will discuss  
13 later in my testimony. Including known and measurable  
14 adjustments, the fuel cost for the Bridger units has  
15 increased at an annual average rate of 1.0 percent per year  
16 over the last ten years from \$11.51 per MWh to \$12.75 per  
17 MWh. The fuel cost for the Boardman plant has increased at  
18 an annual average rate of 0.5 percent per year over the last  
19 ten years from \$12.59 per MWh to \$13.25 per MWh. Due to the  
20 renegotiation and replacement of coal contracts for the  
21 Valmy plant, the fuel cost for the Valmy units has decreased  
22 by 31 percent from \$21.19 per MWh in 1993 to \$14.7 per MWh  
23 in the test year 2003.

24 Q. Due to the changes in the fuel costs of the  
25 Company's coal-fired resources, what effect would you expect

1 to see with regard to power supply expenses?

2           A.           With only modest increases in the fuel costs  
3 for Bridger and Boardman and significant decreases in the  
4 fuel cost for Valmy, I would expect some downward movement  
5 in the Company's power supply expenses. Lower per unit fuel  
6 costs at Valmy will reduce the fuel expense at Valmy when it  
7 is dispatched to serve system loads, but also will provide  
8 for more frequent opportunities to sell Valmy surpluses into  
9 the market. Both of these impacts serve to reduce net power  
10 supply expenses.

11           Q.           Are there any resource additions that have  
12 occurred in the last ten years that would reduce power  
13 supply expenses?

14           A.           Yes. The addition of any resource has the  
15 effect of reducing power supply expenses. This results  
16 because of economic dispatch principals. If additional  
17 resources can be dispatched at costs lower than  
18 alternatives, then dispatch of the new resources occurs thus  
19 reducing power supply expenses. If the additional resource  
20 cannot be dispatched at costs lower than alternatives, no  
21 additional power supply expense occurs. In the last ten  
22 years, the Company has added the Danskin gas-fired plant,  
23 located at the Evander Andrews complex near Mountain Home,  
24 Idaho and has also received energy from additional PURPA QF  
25 projects. In 2004, the Company will acquire additional

1 generation from the PPL Montana Power Purchase Agreement  
2 (PPA) and from a new QF project called the Tiber Montana LLC  
3 (Tiber) project. The costs of QF projects have not  
4 historically been included in "power supply expenses" and  
5 thus power supply expenses are reduced by new QF projects as  
6 they reduce the need for resources that are reflected in  
7 power supply expenses.

8 Q. Have you supervised the preparation of power  
9 supply modeling to reflect the changes in test year  
10 characteristics that you have described in your testimony?

11 A. Yes. Under my supervision and at my request,  
12 two power supply simulations representative of the test year  
13 2003 under a variety of water conditions were prepared. The  
14 first simulation is for the test year 2003 prior to known  
15 and measurable power supply adjustments. This simulation  
16 reflects the load changes, market price changes, fuel cost  
17 changes and resource changes that have occurred in the last  
18 ten years since the last test year 1993. The second  
19 simulation modifies the first simulation of the test year to  
20 reflect known and measurable power supply adjustments that I  
21 will describe later in my testimony. As has been the case  
22 in the past, the power supply modeling results reflect the  
23 average power supply expenses associated with multiple hydro  
24 conditions that are representative of the possible  
25 circumstances the Company might encounter. This year the

1 analyses include water conditions corresponding to years  
2 1928 through 2003. The average of the expenses related to  
3 each of the 76 water conditions represents the normalization  
4 of power supply expenses.

5 Q. Have you supervised the development of an  
6 exhibit showing the results of the power supply expense  
7 normalization for test year 2003 prior to any known and  
8 measurable power supply adjustments?

9 A. Yes. Exhibit 32 shows the results of the  
10 power supply expense normalization prior to known and  
11 measurable power supply adjustments. Page 1 of Exhibit 32  
12 shows the summary results containing the 76-year average  
13 power supply generation sources and expenses. Pages 2  
14 through 77 contain results for each of the 76 individual  
15 water conditions 1928 through 2003.

16 Q. Please summarize the sources and disposition  
17 of energy as shown on page 1 of Exhibit 32.

18 A. From the summary information contained on  
19 page 1 of Exhibit 32 it can be seen that for the test year  
20 2003, hydro generation supplies 8.8 million MWh while  
21 thermal generation supplies 6.7 million MWh (Bridger 5.0,  
22 Boardman 0.4, Valmy 1.3) from Company-owned generation  
23 resources. Danskin, as a peaking plant, operates  
24 intermittently, but offers significant contribution at  
25 important times when resources and purchases are inadequate

1 to serve peak loads. Purchases of power come from three  
2 sources: market purchases, contract purchases other than QF  
3 and QF purchases. QF purchases are assumed at fixed  
4 normalized levels amounting to 783,635 MWh. Because the  
5 fixed QF purchases are fixed inputs to power supply  
6 modeling, they are not shown on the variable output summary,  
7 however, when combined with the market and other contract  
8 purchases, total purchases amount to 1.1 million MWh. As a  
9 result, hydro generation contributes approximately 53  
10 percent (8.8 / 16.6) of the generation mix, thermal  
11 generation contributes approximately 40 percent (6.7 / 16.6)  
12 and purchases contribute approximately 7 percent (1.1 /  
13 16.6). Of the over 16.6 million MWh consumed, 14.1 million  
14 MWh are utilized for system loads while over 2.5 million MWh  
15 are sold as surplus.

16 Q. Please describe the expense and revenue  
17 information associated with the normalized operation that  
18 you have described as shown in Exhibit 32.

19 A. Exhibit 32 contains variable expense and  
20 revenue information limited to FERC accounts 501, Fuel  
21 (coal); 547, Fuel (gas); 555, Purchased Power; and 447,  
22 Sales for Resale. Hydro generation has no assumed fuel  
23 expense. Coal expenses of \$89.9 million are comprised of  
24 Bridger at \$63.7 million, Valmy at \$20.8 million and  
25 Boardman at \$5.4 million. Gas expenses amount to \$3.2

1 million. Purchased power expenses not including QF amount  
2 to \$10.6 million while surplus sales amount to \$54.1  
3 million. Altogether, net power supply expenses amount to  
4 \$49.6 million (89.9 + 3.2 + 10.6 - 54.1).

5 Q. How do these power supply expenses compare to  
6 the 1993 normalized amounts approved by the Commission at  
7 the conclusion of the IPC-E-94-5 case.

8 A. Fuel expenses (entirely coal related) for the  
9 1993 normalized test year were \$61.5 million. Purchased  
10 power not including QF was \$11.0 million and surplus sales  
11 were at a \$24.5 million level. The Company had no gas fuel  
12 expenses in 1993. Net power supply expenses were \$48  
13 million (61.5 + 11 - 24.5). While normalized surplus sales  
14 revenues have increased by \$29.6 million (54.1 - 24.5), fuel  
15 costs have also increased by \$31.6 million (89.9 + 3.2 -  
16 61.5). While market prices have increased, reliance on  
17 purchases has decreased, resulting in little change to non-  
18 QF purchased power expenses. The net change in normalized  
19 power supply expenses before known and measurable  
20 adjustments is only a \$1.9 million increase from 10 years  
21 ago.

22 Q. Please describe the types of "known and  
23 measurable" power supply adjustments that you recommend in  
24 this proceeding.

25 A. I propose two types of known and measurable

1 adjustments to normalized power supply expense computations;  
2 (1) changes in purchased power contracts and (2) changes in  
3 fuel costs. These adjustments have not only a direct impact  
4 on specific expenses, but also have indirect impacts on the  
5 Company's market purchase expenses and market sales  
6 revenues.

7 Q. Please describe your proposed changes to  
8 purchased power contracts that will have a known and  
9 measurable impact on the power supply expenses of the  
10 Company.

11 A. I propose the inclusion of two power purchase  
12 contracts that will become effective in 2004 as new rates  
13 are implemented. The first contract, as I mentioned earlier  
14 in my testimony, is a PURPA QF contract with Tiber Montana  
15 LLC for the acquisition of 29,144 MWh at a cost of \$1.2  
16 million. First deliveries of power from Tiber are scheduled  
17 for May 2004. The second contract, also mentioned earlier  
18 in my testimony, is a PPA with PPL Montana for the purchase  
19 of 99,360 MWh at a cost of \$4.4 million. The first delivery  
20 of power from PPL Montana is scheduled for June 2004. This  
21 Commission has approved both of these contracts.

22 Q. Please describe your proposed changes to fuel  
23 costs that will have a known and measurable impact on power  
24 supply expenses.

25 A. I have been informed by employees in the

1 Company's Power Supply Department that certain minor known  
2 and measurable changes in coal prices will occur in 2004 as  
3 a result of contract provisions, train lease agreements and  
4 depreciation. A change of greater significance results from  
5 the expiration of a long-term coal contract at Valmy. For  
6 two plants, Boardman and Valmy the known and measurable  
7 adjustments result in lower per unit fuel costs. Boardman  
8 fuel costs drop from \$13.66 per MWh to \$13.25 per MWh. Valmy  
9 fuel will drop from \$16.2 per MWh to \$14.7 per MWh. At  
10 Bridger, the fuel cost rises slightly from \$12.65 per MWh to  
11 \$12.75 per kWh.

12 Q. Have you supervised the development of an  
13 exhibit showing the results of the power supply expense  
14 normalization when the known and measurable power supply  
15 adjustments are included?

16 A. Yes. Exhibit 33 shows the results of the  
17 power supply expense normalization once the known and  
18 measurable power supply adjustments have been included.  
19 Page 1 of Exhibit 33 shows the summary output containing the  
20 76-year average power supply generation sources and  
21 expenses. The following pages 2 through 77 show the  
22 individual water conditions 1928 through 2003 output as  
23 those water conditions would impact the test year 2003.

24 Q. Have you supervised the development of an  
25 exhibit to quantify the extent to which the normalized power

1 supply expenses change as a result of including the known  
2 and measurable adjustments you have proposed?

3 A. Yes. Exhibit 34 details the changes in both  
4 normalized power supply expenses that exclude QF expenses  
5 and also the change in QF expenses that result from known  
6 and measurable adjustments. Net power supply expenses  
7 decrease by \$1.9 million as a result of changes to fuel  
8 costs and additional power purchase contracts. QF expenses  
9 increase by \$1.2 million as a result of inclusion of the  
10 Tiber contract.

11 Q. How do base level PCA expenses differ from  
12 test year power supply expenses?

13 A. Base level PCA expenses differ from test year  
14 power supply expenses in two ways. First, base level PCA  
15 expenses include QF expenses. Second, base level PCA  
16 expenses are determined for an April through March time  
17 frame rather than a calendar year. April represents the  
18 beginning of the runoff period that provides the basis for  
19 the PCA projection.

20 Q. What are the 2003 test year normalized QF  
21 expenses including the Tiber project?

22 A. Including the Tiber project, 2003 test year  
23 normalized QF expenses amount to \$46.4 million.

24 Q. How do 2003 test year normalized QF expenses  
25 compare to 1993 test year QF expenses?

1           A.       The 2003 test year normalized QF expenses of  
2 \$46.4 million are \$12.1 million greater than the \$34.1  
3 million 1993 test year normalized QF expenses. However, the  
4 \$46.4 million value is \$1.2 million less than the value used  
5 in the current PCA projection formula.

6           Q.       What is the base level of PCA expenses for  
7 test year 2003?

8           A.       As I stated earlier in my testimony, the base  
9 level of PCA expenses is the sum of the normalized power  
10 supply expenses and normalized QF expenses. In this case,  
11 normalized power supply expenses amount to \$47.7 million and  
12 normalized QF expenses amount to \$46.4 million. The sum,  
13 \$94.1 million, represents the new base PCA expense level.

14          Q.       Have you directed the preparation of an  
15 exhibit that shows the derivation of the appropriate new PCA  
16 regression formula to be used for projecting the next year's  
17 PCA expenses?

18          A.       Yes, I directed the preparation of Exhibit 35  
19 to show the derivation of the new PCA regression formula.

20          Q.       Please describe Exhibit 35.

21          A.       Exhibit 35 consists of six columns at the top  
22 of the page. Column one shows the number of the observation  
23 from 1 to 75. Column 2 contains the PCA year corresponding  
24 to each observation; observation 1 is 1928, observation 2 is  
25 1929, and so on through observation 75, which is 2002.

1 Because the PCA year is for months April through March of  
2 the following year, there are only 75 observations instead  
3 of the 76 conditions represented in Exhibit 33. Column 3  
4 contains the April through July runoff for each of the  
5 observation years 1928 through 2002. Column 4 contains the  
6 natural logarithm of the runoff value contained in Column 3.  
7 Column 5 contains the observed April through March annual  
8 power supply expense based upon data from Exhibit 33, but  
9 reflecting PCA totals rather than calendar year totals.  
10 Finally, Column 6 contains the regression predicted value of  
11 April through March annual power supply expenses.

12 To the right of the columns are summary output of  
13 certain regression statistics (such as r-square) and formula  
14 coefficients.

15 Q. Please describe the new PCA regression  
16 formula based upon Exhibit 35.

17 A. The basic PCA formula takes the following  
18 form: Annual PCA expense = C1 - C2 \* ln (Brownlee runoff) +  
19 C3. The values of C1, C2 and C3 are constant with the only  
20 variable being Brownlee runoff. The equation without C3 is  
21 used to predict net power supply expenses and is the direct  
22 result of the regression analysis contained in Exhibit 35.  
23 The constant C1 represents the prediction of annual net  
24 power supply expense that would occur if there was zero  
25 April through July Brownlee runoff. The value of C1 is

1 \$1,140,615,325. In reality, the lowest April through July  
2 Brownlee runoff contained in the observations is 1.97  
3 million acre-feet which occurred in the 1992 observation.

4 Because the regression provides a linear fit of a  
5 non-linear transformation, the value of C2 is somewhat  
6 difficult to explain. Observed Brownlee runoff data in  
7 acre-feet is first transformed by the natural logarithm  
8 function. For each unit increase in the natural logarithm  
9 of the Brownlee runoff data the projection of annual power  
10 supply expenses will be reduced by C2, which is \$70,685,112.  
11 The average natural logarithm of Brownlee runoff values,  
12 based upon the observations contained in Exhibit 35, is  
13 15.46. This value corresponds to a runoff of approximately  
14 5.2 million acre-feet ( $e^{15.46} = 5,178,365$  million acre-  
15 feet). With a runoff of 5.2 million acre-feet and a natural  
16 logarithm of 15.46, the projected net power supply expenses  
17 would be \$47,823,493 ( $\$1,140,615,325 - \$70,685,112 * 15.46$ ).  
18 An increase of 1 to the natural logarithm would result if  
19 the runoff was approximately 14.1 million acre-feet  
20 ( $\ln(14,076,256)$  equals 16.46 which equals  $15.46 + 1$ ). With  
21 a runoff of 14,076,266 million acre-feet, the net power  
22 supply expenses would be \$70,685,112 less than \$47,823,493  
23 making the projection of power supply expenses a negative  
24 \$22,861,619 ( $\$1,140,615,325 - \$70,685,112 * 16.46$ ).

25 The natural logarithms of observed Brownlee runoff

1 ranged from 14.49 (1992 runoff) to 16.35 (1984 runoff). The  
2 difference, 1.86 (16.35 - 14.49), multiplied by \$70,685,112  
3 equals approximately \$131.5 million, which represents the  
4 change in projected power supply expenses from the highest  
5 water case (1984) to the lowest water case (1992).

6           The value of C3 is \$46,413,000, the normalized  
7 expense for QF. Because the normalized expense for QF is  
8 quantified separately from net power supply expenses it is  
9 added to net power supply expenses to determined the PCA  
10 expenses.

11           Q.           What is the new PCA regression equation with  
12 values inserted for the constants?

13           A.           The new PCA regression equation is:

14 Annual PCA expense = \$1,140,615,325  
15                                 - \$70,685,112 \* ln (Brownlee runoff)  
16                                 + \$46,413,000.

17           Q.           In the past, has the PCA regression equation  
18 also contained a constant related to FMC, later Astaris,  
19 second block revenues?

20           A.           Yes, FMC second block revenues were  
21 previously treated as separately identified revenue that,  
22 like surplus sales, reduced net PCA expenses. The FMC  
23 constant is no longer appropriate due to the cancellation of  
24 the FMC contract.

25           Q.           How does the range in projected power supply

1 expenses from high condition to low condition resulting from  
2 this regression equation compare to the range of projected  
3 power supply expenses in the previous regression equation?

4 A. The predictions of power supply expenses  
5 based upon the regression observations contained in the  
6 previous regression analysis ranged from minus \$9.9 million  
7 (1984) to \$112.4 million (1992), a range of \$122.3 million.

8 Q. Do you recommend any additional PCA  
9 computational changes with the establishment of the new PCA  
10 regression formula?

11 A. Yes. There are three PCA computational  
12 factors that need to be updated as a result of the current  
13 review of power supply expenses. First, for PCA projection  
14 calculations, a new normalized base PCA rate can be  
15 determined. Second, a new Idaho jurisdictional percentage  
16 can be determined. Third a new expense adjustment rate to  
17 be applied to load growth or decline can be determined.

18 Q. Have you supervised the development of an  
19 exhibit to determine the PCA computational factors you have  
20 just mentioned?

21 A. Yes, Exhibit 36 is a one-page exhibit  
22 detailing the appropriate computation of the PCA factors I  
23 have outlined.

24 Q. What is the first computation shown on  
25 Exhibit 36?

1           A.       The first computation recaps the normalized  
2 PCA computation that I have discussed thoroughly in my  
3 testimony. The new normalized PCA expenses for 2003 test  
4 year amount to \$94.1 million compared to the previous \$73.1  
5 million value for the 1993 test year.

6           Q.       Please discuss the normalized Base PCA rate  
7 computation contained in Exhibit 36.

8           A.       First, I would point out that in my opinion,  
9 the normalized Base PCA rate has been improperly determined  
10 in the past. While expenses are incurred based upon loads,  
11 they are recovered based upon sales. Historically, the  
12 normalized Base PCA rate of 0.5238 was determined by  
13 dividing the \$73.1 million of normalized PCA expenses by the  
14 normalized system firm load value. My recommendation for  
15 the current computation of the normalized Base PCA rate is  
16 that the \$94.1 million normalized PCA expenses be divided by  
17 the normalized system sales value of 12,863,484 MWh. The  
18 resulting PCA base rate is 0.7315 cents per kWh.

19          Q.       Was a similar load/sales error previously  
20 corrected by the Commission?

21          A.       Yes, PCA true-up rate computations were  
22 originally based upon Idaho jurisdictional firm loads rather  
23 than Idaho jurisdictional firm sales levels. In 1996, the  
24 Commission corrected that error in Order No. 26455.

25          Q.       Please discuss the Idaho jurisdictional

1 percentage computation contained in Exhibit 36.

2           A.           The Idaho jurisdictional percentage is  
3 derived by dividing the Idaho jurisdictional firm load by  
4 the system firm load number. As I mentioned earlier in my  
5 testimony, the Company's FERC jurisdictional contract loads  
6 have been reduced by 1.4 million MWh while at the same time  
7 Idaho jurisdictional loads have grown. As a result, Idaho  
8 jurisdictional loads now represent 94.1 percent of the  
9 Company's total load.

10           Q.           Please discuss the Expense Adjustment rate to  
11 be applied to load changes for PCA true-up computations.

12           A.           When the PCA was established, the Commission  
13 recognized that load growth would provide additional revenue  
14 that would in part offset the corresponding additional power  
15 supply expenses incurred to serve the additional load. The  
16 revenues generated would be the result of rates designed to  
17 recover the full embedded costs of serving existing  
18 customers including generation costs, distribution costs,  
19 transmission costs and other costs of the Company. However,  
20 the true cost of serving additional customers is comprised  
21 of a blend of new marginal costs incurred to serve new  
22 customers and reduced embedded costs when existing  
23 facilities allow for additional customers at zero or low  
24 cost. The Commission determined that rates paid by new  
25 customers would cover all additional costs including \$16.84

1 per MWh of PCA expenses that might occur to serve additional  
2 load. The \$16.84 per MWh credit was computed by averaging  
3 the Boardman and Valmy fuel costs. Using the same  
4 computational method the new expense adjustment rate for  
5 load changes is \$13.98 per MWh.

6 Q. Based upon your understanding of Mr. Keen's  
7 testimony in this proceeding, do you believe the \$13.98 per  
8 MWh rate should be used as the new credit for load growth?

9 A. No. Mr. Keen pointed out that whether  
10 looking at generation, distribution, or transmission, the  
11 Company has little ability to serve additional customers  
12 without investment in new facilities. In my opinion,  
13 revenues derived from additional customers served at  
14 embedded rates will not be sufficient to recover both the  
15 incremental costs of required new facilities and an amount  
16 greater than the embedded cost of PCA expenses (the PCA base  
17 rate). I believe it would be more appropriate to have a  
18 load growth credit based upon the normalized PCA base rate  
19 of \$7.30 per MWh (7.3 mills per kWh). That is the portion  
20 of customers' rates that it is contemplated will cover base  
21 PCA expenses. The remainder of customers' rates cover the  
22 other than PCA expenses that Mr. Keen has suggested will  
23 grow at a significant pace in the coming years.

24 Q. Do you have a non-computational  
25 recommendation with regard to the PCA?

1           A.       Yes. Mr. Gale, Ms. Brilz and I have  
2 discussed Ms. Brilz' recommendations in this proceeding to  
3 create seasonal pricing that if accepted would create a  
4 seasonal rate change on June 1 of each year. If the PCA  
5 rate change date were to continue to occur on May 16 of each  
6 year, customers would see two rate changes within 16 days.  
7 If Ms. Brilz' seasonal pricing recommendations are approved,  
8 then in order to eliminate back-to-back rate changes, I  
9 recommend that the PCA recovery period be moved from a May  
10 16 through May 15 period to a June 1 through May 31 time  
11 period. No other changes to PCA time frames would be  
12 required. PCA projection and true-up computations would  
13 still be based upon an April 1 through March 31 time frame  
14 and the Company would still file its PCA request by April 15  
15 each year.

16           Q.       Does that conclude your testimony?

17           A.       Yes.