



1 vs. )  
2 PUGET SOUND POWER & LIGHT )  
3 COMPANY, )  
4 Respondent. )

5 -----

6 10:58 a.m.  
7 February 5, 1993  
8 1300 South Evergreen Park Drive Southwest  
9 Olympia, Washington

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Court Reporter

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I N D E X

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Mr. Adams	40

EXHIBIT	DESCRIPTION	PAGE
1	Puget's Response to Staff Data Request No. 24	10

DEPOSITION REQUEST NO.	PAGE
12	24
13	41

1 MR. TROTTER: Mr. Hoff has taken the stand.  
2 If he could be sworn.  
3 Whereupon,

4 DAVID W. HOFF,  
5 having been first duly sworn, was called as a witness  
6 herein and was examined and testified as follows:

7

8 E X A M I N A T I O N

9 BY MR. TROTTER:

10 Q. Mr. Hoff, you testified before in the rate  
11 design depositions and cross-examination?

12 A. Yes, I did.

13 Q. You're aware of the rules that apply to  
14 depositions and you recognize that you've been sworn  
15 to tell the truth and all of that?

16 A. Yes.

17 Q. Just checking.

18 A. Is there some reason you had to double  
19 check with me?

20 Q. Let's start with your exhibit T --

21 MR. VAN NOSTRAND: Don, if we could take a  
22 minute, I think Mr. Hoff has a few corrections to make  
23 to his testimony.

24 Q. Your counsel has indicated you may have  
25 some corrections. Could you list those for us.

1           A.       Yes.  It's in Exhibit 569.  There's some  
2 column headings that are wrong.  So on page 1 of  
3 Exhibit 569 in column 1 it says in parentheses Exh  
4 CEL 3 - Sum 2, Page 1, Line 11.  The Page 1 should  
5 read Page 2.  In column 2 the item in parentheses  
6 should be Exh DWH 5 instead of 7, Page 1, Column 4,  
7 instead of 1.  In column 3 in the parentheses should  
8 read Exh CEL 3 - Sum 2, Page 2, rather than Page 4.

9           Q.       Rather than page 4 or page 1?

10          A.       Mine says page 4.  1, I'm sorry.  I marked  
11 through the 1, it looks like a 4.

12                   The next page, in column 2, again in the  
13 parentheses where it says Page 1, that should read  
14 Page 2.  And in column 5 it should be Exh DWH 5  
15 instead of 7, Page 1, Column 4 instead of Column 1.  
16 And finally, on page 3, column 1, it should read Exh  
17 CEL 4 rather than 6.  And the same correction on  
18 column 2.  Column 2 should read Exh CEL 4 rather than  
19 6.  And that's the extent of the changes.

20          Q.       Okay.  Turn to your testimony Exhibit  
21 T-567, page 6.  And here you summarize or you start by  
22 saying you haven't changed any of the principals  
23 between your rate design proposal in Docket 920499 and  
24 Docket 921262.  Although, the numbers have changed  
25 because of the updated test year, is that right?

1           A.       That's correct. There were some other  
2 minor modifications which this goes on to discuss.

3           Q.       Right. Let's talk about the modifications.  
4 And one is the change in the residential rate blocks,  
5 is that correct?

6           A.       That is correct.

7           Q.       Another is the elimination of the  
8 experimental water heat interruptible schedule?

9           A.       Yes.

10          Q.       And you're also proposing a change in  
11 Schedule 100 allocation?

12          A.       Yes. Even though that's not actually part  
13 of this case, I propose that for discussion because we  
14 will be having that in June.

15          Q.       Okay. Just stopping there for a moment,  
16 you submitted your testimony at the time the company  
17 filed its rate case, is that right?

18          A.       Yes.

19          Q.       And it filed its rate case initially  
20 without decoupling, is that correct?

21          A.       That is correct.

22          Q.       And so your testimony here on Schedule 100  
23 change assumed no decoupling?

24          A.       Although schedule -- that is correct.

25          Q.       And the company in supplemental testimony



1 has brought back the decoupling, is that right?

2 A. Yes.

3 Q. Does that require you to make any change in  
4 your testimony on page 6 beginning on line 18?

5 A. No, it does not.

6 Q. Are there any other changes that we have  
7 not discussed?

8 A. No. They should be in this testimony.

9 Q. I mean, that we've -- we've outlined the  
10 residential rate blocks, the experimental water heat  
11 schedule and the Schedule 100 testimony. Are there  
12 any other principal changes that we should itemize at  
13 this point?

14 A. On page 6 there's a -- the change in DWH-3  
15 which is the change in the format, plus there is a  
16 little bit of a change in the calculation and so  
17 that's one of the changes. Then I believe you've  
18 outlined the rest. Oh, the terms of Schedule 36 was a  
19 change on page 7, line 6.

20 Q. Okay. And just briefly summarize the  
21 changes to that schedule.

22 A. The change to that schedule, basically we  
23 reduced the basic charge and eliminated the voluntary  
24 interruptible and short-term energy credits.

25 Q. What was the reason for that?

1           A.       Primarily because of when we updated to the  
2 new cost of service and the new rates with the lost  
3 revenue calculation that is part of this and the new  
4 rates, it meant that the voluntary interruptible and  
5 short-term credit would be eliminated. The basic  
6 charge was changed because we have concluded that we  
7 can -- could do the program with a much lower cost  
8 process than the one we originally anticipated,  
9 therefore, the cost would be lower.

10           Q.       You were asked in response to Staff Data  
11 Request 24 in the rate design docket to identify in  
12 what respects the company's rate design proposal would  
13 be different absent decoupling. Do you recall that?

14           A.       Yes, I do.

15           Q.       As Deposition Exhibit 2, I would like to  
16 hand you a two-page response.

17           MR. ADAMS: Could we go off the record for  
18 just a second.

19                   (Discussion off the record.)

20           MR. TROTTER: Let's mark this Hoff  
21 Deposition Exhibit 1.

22                   (Marked Deposition Exhibit No. 1.)

23           MR. CAMERON: So we're referring to the  
24 other one as Lynch Depo Exhibit 1?

25           MR. TROTTER: Yes. And it will be included

1 in her deposition.

2 Q. Now, Mr. Hoff, do you recognize your  
3 Deposition Exhibit 1 as your Response to Staff Data  
4 Request 24?

5 A. Yes.

6 Q. I asked you a few minutes ago and you  
7 confirmed that when you filed your testimony the  
8 company was not proposing decoupling. And could you  
9 indicate why you did not raise the issues that you  
10 raise in this response in your direct testimony since  
11 it assumed no decoupling?

12 A. Because in the testimony, as you'll see  
13 that even though the company didn't file for  
14 decoupling we did not -- we still supported  
15 decoupling, and we had anticipation that before the  
16 end of the case that there would be a decoupling  
17 proposal before the Commission. That has proven to be  
18 the case. So even though technically we did, in fact,  
19 file it without decoupling, it was our intent that we  
20 had hoped that something could be worked out on the  
21 decoupling issues. And so I did not change -- there  
22 was -- I should say there was some discussion of  
23 whether I should change the rate design testimony with  
24 regards to the fact that we were not filing the  
25 decoupling and we decided not to, with one of the main

1 reasons being that I think we thought that eventually  
2 there would be a decoupling proposal in this case.

3 Q. So what you're telling us, then, is that if  
4 the Commission bought the rate case that you filed 100  
5 percent, they should not buy -- this is before the  
6 supplemental testimony -- they should not buy your  
7 rate design, is that correct?

8 A. What I'm saying is that my rate -- my  
9 filing was strongly influenced by decoupling and by  
10 the process surrounded decoupling, by the Rate Design  
11 Collaborative, by the Rate Design Task Force, by the  
12 requirement from the Commission to have this separate  
13 rate design case in the first place. So what I'm  
14 answering here is that because of all of that, this is  
15 what came out, this proposal came out of that process.  
16 Had we not had that process, had we not had the  
17 decoupling as part of the process, I would not have  
18 filed these same rates. It's not exactly the same as  
19 saying that then if you pull up back decoupling that  
20 you completely wind back the clock and take away  
21 everything that you've done in the past.

22 Q. And many of the things that were done in  
23 the past, the Rate Design Task Force and the Rate  
24 Design Collaborative, many of those issues that were  
25 addressed there could be addressed in the context of a

1 traditional rate case?

2 A. Yes, they could have. But we were there  
3 basically because of decoupling and because of the  
4 whole NOI process.

5 Q. Let's take a look at your response to Data  
6 Request 24. And you indicate in the first paragraph  
7 of your response that changes in your rate design are  
8 the result of the decoupling order, collaboration with  
9 the Rate Design Collaborative and input from the Rate  
10 Design Task Force, is that correct?

11 A. Yes.

12 Q. And in the bulleted items there you talk  
13 about, first, the residential two-block marginal cost  
14 rate. Do you see that?

15 A. Yes.

16 Q. And you do in your testimony in this case  
17 address elasticity issues associated with that, don't  
18 you?

19 A. Yes, I do.

20 Q. And the purpose, as I understand it, of  
21 that elasticity analysis is to compensate the company  
22 for lower revenues that result from customers obeying  
23 the price signal that you're giving them, is that  
24 correct?

25 A. I think that would be a good approximation

1 of the reason, yes.

2 Q. The next item is the agreement to file a  
3 basic charge using the basic customer definition and  
4 you refer back to Exhibit T-8 in the rate design  
5 docket. Am I correct that the Commission has never  
6 accepted the minimum distribution approach for Puget?

7 A. That's correct.

8 Q. And with respect to this item vis-a-vis  
9 decoupling, is your concern that without decoupling  
10 you want to recover as much of your revenues through  
11 basic charges than through energy charges?

12 A. Well, I think we've always felt that it's  
13 most appropriate to recover costs from customers  
14 according to the way the costs are incurred. I think  
15 that we feel that a lot of the costs that are in fact  
16 charged over kilowatt hours don't vary by the kilowatt  
17 hours and so it's more appropriate to align the costs  
18 and the revenue collections to have a larger basic  
19 charge. When you get that misalignment there's a  
20 potential that you will have lost revenues. And under  
21 decoupling, the risk of that is lessened.

22 Q. To the extent the company has such a risk,  
23 it's had it for a great length of time, has it not?

24 A. That is correct.

25 Q. The next item, increased seasonal

1 differential in energy charges. Didn't you testify  
2 earlier that the basis for the seasonal differential  
3 was due to BPA differentials?

4 A. That's the basis for assigning the cost  
5 for picking the 10 percent differential.

6 Q. And with respect to decoupling, is it your  
7 position that increased seasonality in rates creates  
8 unstable revenue recovery?

9 A. We have made a calculation in this case  
10 that would indicate that there is a loss of revenue  
11 that's associated with increasing the seasonal  
12 differential in our elasticity adjustment. I think  
13 that any time you change from what would be the status  
14 quo to something else, you're going to have an impact.

15 Q. And you've quantified that impact, at least  
16 attempted to, in your elasticity analysis?

17 A. That's correct.

18 Q. Is the concern here about going to increase  
19 seasonality in rates just simply that there is a  
20 change or is it the concern that you will now be  
21 recovering more revenues in summer months than in  
22 winter months than before?

23 A. Actually, the change of increase in the  
24 differential would be recovering more revenues or  
25 receipts in winter than in summer.

1 Q. I'm sorry.

2 A. It's primarily because there is a change,  
3 and that when you have a change, it's going to change  
4 things.

5 Q. So there's nothing inherently at risk to  
6 your revenues by having more revenues collected in the  
7 winter than the summer, it's just the change itself?

8 A. Well, I think that, again, having a change  
9 that changes with more revenues being collected in the  
10 winter than the summer would be of concern to some  
11 people in the company to have that revenue stream look  
12 different.

13 Q. Are you worried about having insufficient  
14 cash in the summer?

15 A. I'm not sure if it's insufficient cash or  
16 it's -- I think primarily what I would be concerned  
17 about is that when you have more of your revenue  
18 collection in the winter and it's more a function of  
19 the weather, it becomes then much more variable and so  
20 it's more -- has more variation, therefore, more risk  
21 associated with it.

22 Q. I take it the company has never advised you  
23 that they would have trouble financing or would have  
24 an increased need of financing in the summer if this  
25 was implemented?



1           A.       They haven't advised me of that. I haven't  
2 asked.

3           Q.       What is the elasticity of electric demand  
4 in winter and summer for Puget?

5           A.       There is -- I have done some -- I have  
6 documented the elasticity results as a result of some  
7 staff data requests. I believe that was supposed to  
8 be asked next time. That's in the pages 11 through  
9 15. But basically they are in the response to staff  
10 data requests --

11          Q.       I'm familiar with those. That's fine.  
12 Why are seasonal rates less certain under traditional  
13 ratemaking than under decoupling?

14          A.       The rates themselves aren't. The revenues  
15 associated are more -- I wouldn't say certain, I would  
16 say more stable under decoupling, because under  
17 decoupling the revenues are determined by the customer  
18 counts which don't vary by summer and winter, whereas  
19 if you're not decoupled, your revenues are determined  
20 by kilowatt hours which are different in summer and  
21 winter and because seasonal rates makes the revenues  
22 associated with those kilowatt hours more different in  
23 the summer and winter.

24          Q.       But again, when you filed your testimony  
25 you did not -- your company did not include a recovery

1 of base cost revenues in the PRAM, is that right?

2 A. When we filed the testimony?

3 Q. Yes.

4 A. That's correct. That's one of the reasons  
5 I put the elasticity adjustment associated with  
6 seasonality in the case.

7 Q. Also on the last page of your Deposition  
8 Exhibit 1 you talk about the cost-of-service study and  
9 you indicate that your methodology may have been  
10 different in the use of the top 200 peak hours for the  
11 coincident peak allocation factors. Do you see that?

12 A. Yes, I do.

13 Q. Now, in earlier proceedings in the rate  
14 designing docket you were asked questions or perhaps  
15 Ms. Lynch was asked questions about the basis for  
16 selecting the 200 hours, and I believe her testimony  
17 was that it was based on the amount of time Puget's  
18 peaking units are used. Are you saying that you would  
19 base your cost-of-service study on a peak allocation  
20 method that was based on the number of hours that your  
21 peaking units were not used if decoupling was not in  
22 effect?

23 A. No. I would only pick 12 of those hours  
24 instead of all 200.

25 Q. Why is decoupling the determinant of that

1 decision?

2 A. I think instead of decoupling per se, it's  
3 more the process that we entered into associated with  
4 the decoupling that was a determinant of that. That  
5 was a result of the collaboration discussions with all  
6 the parties. We were in that process of discussion  
7 because of decoupling, because of the NOI, because of  
8 the Commission's order.

9 Q. That's what I'm trying to differentiate  
10 here, because certainly the process of the  
11 Collaborative probably resolved a lot of issues just  
12 because people were able to get good information and  
13 were able to deal with it, regardless of whether that  
14 collaboration was started because of decoupling or  
15 not. Is this an item that is directly decoupling  
16 related? In other words, if you don't have  
17 decoupling, you would propose a different allocation  
18 method because of revenue certainty, et cetera?

19 A. The reason I hesitate is it's sort of all  
20 in a package, and if we had not had decoupling, we  
21 probably would not have proposed this. Now that we do  
22 have it and may lose it, would we change back to the  
23 old way, I really can't say.

24 Q. Let me ask it this way. Would your revenue  
25 recovery be less certain under a 200-peak hour

1 allocation factor as opposed to a 12-hour allocation  
2 factor?

3 A. I can't say right now.

4 Q. This may be a little beyond page 1 through  
5 10, but it deals with the elasticity that we were  
6 talking about which I think is related, but just let  
7 me ask you, if the Commission accepts decoupling,  
8 what does that do to the elasticity proposal? Is that  
9 in or out?

10 A. I would propose that it stays in, for the  
11 simple reason that it should mean the deferral would  
12 be minimized. It won't -- it doesn't have to stay in  
13 for a revenue reason for the company, but it should  
14 more closely match the revenues with the receipts, and  
15 so I would recommend it stay in.

16 Q. Well, we'll talk about that more in the  
17 rate case then. Thank you.

18 A. Okay.

19 Q. Now I would like to turn to the rate  
20 schedules that you're sponsoring and I would like to  
21 draw some comparisons with your previous proposal, and  
22 I want to compare Exhibit 12 which is your initial  
23 tariff and let's focus on Schedule 7 and I want to  
24 compare that with Schedule 7 in Exhibit 570.

25 A. Okay.

1 Q. Your initial proposal was an initial block  
2 of 500 kWh at 4.096 cents, is that correct?

3 A. Yes. Mm-hmm.

4 Q. And your new proposal is an initial block  
5 of 800 kWh at a rate of 6.0277 cents, is that correct?

6 A. Yes.

7 Q. And what is the purpose of the  
8 significantly higher rate in your new proposal?

9 A. It's a function of two things, one, the  
10 increase in revenue requirement because the initial  
11 proposal, as you remember, was in the -- related to  
12 the U 89-2688 revenue requirement. This is a much  
13 higher revenue requirement, so all rates would be  
14 different. The second is the difference in the  
15 blocking, and when you have fewer kilowatts in that  
16 first block, which the original proposal did, that  
17 rate could generally be lower than if you have more  
18 kilowatt hours. It has to do with balancing a total  
19 revenue requirement amongst two different sets of  
20 kilowatt hours and the weighing that happens as a  
21 result of that balancing. So two factors, one, the  
22 increase in revenue requirement and then, two, the  
23 change in the blocking.

24 Q. This increase reflect in any way the  
25 marginal cost of serving water heat?

1           A.       For the first block in essence it reflects  
2       it a bit because the last rate is set at that marginal  
3       cost and so since this is a residual of that, what's  
4       left over, it would be affected by that, but it's not  
5       directly set by that.

6           Q.       What is the marginal cost of serving  
7       residential water heat loads?

8           A.       Well, under the original proposal there are  
9       several data requests that discuss that. Essentially  
10      it is that 6.069, and then you also have to take into  
11      account our Schedule 94 and Schedule 100 rates because  
12      you want to have it net, so it's those added up to  
13      that. The rate -- let's see if it's in a -- there's a  
14      data request. I don't think it's in -- I think it was  
15      a Navy data request that has this outlined what those  
16      costs are. I could provide that.

17          Q.       That's fine. Let me put it this way.  
18      Should the initial block in this rate schedule be  
19      based on the marginal cost of serving residential  
20      water heat?

21          A.       No.

22          Q.       Why not?

23          A.       Because it's not where generally water heat  
24      usage is. Water heat usage generally is later than  
25      that. Another point is that the marginal cost -- use

1 of marginal cost of water heat is sort of a surrogate  
2 to general marginal cost and so we set the tail block  
3 to be reflective of the marginal cost, then the first  
4 block was whatever it took to make the -- to add up to  
5 the total revenue requirement. So I would believe the  
6 tail block is the appropriate block to have set at a  
7 marginal cost, not the first block.

8 Q. I don't have the Navy request in front of  
9 me. Did they also ask you for the marginal cost of  
10 serving residential space heat loads?

11 A. Did they? Is that a question?

12 Q. Yes.

13 A. I think they asked me for all my marginal  
14 cost rates. Actually --

15 Q. Do you have an estimate of that?

16 A. I would have an estimate, yes. I would be  
17 able to provide an estimate.

18 Q. And you're going to provide it in response  
19 to that data request?

20 A. Let me --

21 Q. You recently filed your updated net avoided  
22 cost to the Commission, is that correct?

23 A. Yes.

24 Q. Would this data be contained in that  
25 filing?

1           A.       The basic data would be contained in that  
2 filing. We would probably have to do some  
3 calculations in order to get it to apply directly to  
4 water and space heat, depending on -- but the raw data  
5 is in that filing. However, that data was not used  
6 for these rates.

7                    Back to your other question, it's actually  
8 our update to Bench Request Number 5. That provides  
9 the marginal costs that were used in all of the --  
10 calculations of marginal cost used in our marginal  
11 rates.

12           Q.       Let me just make a Deposition Request 13  
13 (sic). If you could provide your estimate of marginal  
14 cost for serving residential water heat and  
15 residential space heat and provide your support for  
16 those calculations.

17                    (Deposition Request No. 12.)

18           A.       Okay. Now, do you want this based on our  
19 newest avoided cost or based on the costs that were  
20 used for this filing?

21           Q.       Both.

22           A.       Okay.

23           Q.       I noticed in your Exhibit 570, your  
24 tariffs, you're no longer proposing Schedule 6, the  
25 residential interruptible water heater credit, and you



1 testify on page 6 to 7 of your testimony, T-567, that  
2 you discovered that your original estimates on the  
3 value of the interruption to the company were  
4 overstated and that the credit would be less than a  
5 dollar per month based on your revised estimates, is  
6 that correct?

7 A. That is correct.

8 Q. Under what circumstances would Puget be  
9 inclined to reintroduce this credit? What would  
10 happen to your peak capacity prices or other factors  
11 that would cause that credit to increase?

12 A. Well, if the original estimates had proven  
13 to be sustained, we would have continued. Where we  
14 could have a credit that was similar to the basic  
15 charge that we're asking the customers to pay. No, I  
16 can't really say where the exact crossover point  
17 would be, but certainly the dropping from  
18 approximately \$5 to approximately 70 cents I thought  
19 was of a significant magnitude that we probably should  
20 not run the experiment.

21 Q. I guess my question is what would drive --  
22 what types of costs would increase to drive that  
23 credit up?

24 A. Okay. Basically the reason that it went  
25 down were assumptions on how much benefit we're

1 getting from the interruption, in other words, out of  
2 the water heaters that are interrupted, considering  
3 the fact that not all water heaters are on at the same  
4 time and those sorts of considerations, that the value  
5 of that water heater interruption according to their  
6 newer estimates went down, not because of the cost or  
7 the calculation of the worth of a kilowatt of savings,  
8 but because the calculation of how many kilowatt  
9 savings we're going to get per each interruption. It  
10 would have to -- those essentially are assumptions  
11 made by the engineering group based on their work and  
12 analysis and considerations. If they would for some  
13 reason have a basis to change those assumptions, I  
14 think we could go back and use it.

15 Q. So your assumptions were based on the fact  
16 that on any given interruption a water heater may or  
17 may not -- the probability of that a water heater may  
18 or may not be on caused your value of interruption to  
19 decrease?

20 A. Primarily, yes.

21 Q. You focused on the second half of the  
22 equation. Do I take it that if Puget's peak capacity  
23 prices increased that the other half of the equation  
24 would be higher?

25 A. That's correct.

1 Q. And what is the likelihood of that  
2 occurring?

3 A. Probably not too high right now.

4 Q. Why is that?

5 A. Because it's my understanding, at least on  
6 the short term, that there's still relatively good  
7 market for purchasing that kind of capacity, however,  
8 those assumptions could change.

9 Q. So if natural gas prices increased, that  
10 would be a change --

11 A. That would, yes.

12 Q. -- that would impact this?

13 A. Yes. And so if they increased  
14 substantially, that would make the value of the  
15 interruption worth more.

16 MR. TROTTER: Nothing further. Thank you.

17

18 E X A M I N A T I O N

19 BY MR. TRINCHERO:

20 Q. Good morning, Mr. Hoff.

21 A. Good morning.

22 Q. Mark Trincherro with WICFUR. I have just a  
23 very few questions for you. You state in your  
24 testimony that the rate spread and rate design  
25 recommendations are basically the same in this case as

1 in the rate design proceeding, and I believe counsel  
2 for staff went through with you and inventoried the  
3 various changes that you have made, one is in the  
4 residential class rate design and the interruptible  
5 water heater credit in terms of Schedule 36, and I  
6 guess what I need to get some clarification on is  
7 whether or not the change to the designing of Schedule  
8 100 rates is an appropriate topic for today's  
9 deposition or if that should be held as a PRAM and  
10 other general rate case matters issue for later  
11 depositions.

12 A. Probably the latter.

13 Q. Okay. Well, then I will, so long as I'm  
14 not waiving any rights to ask you questions on that at  
15 a later date, I will forego questioning on that today.

16 Referring to Hoff Deposition Exhibit 1,  
17 would it be accurate to say that some of these rate  
18 design proposals while not necessarily tied directly  
19 to decoupling in the sense that revenues may be lost  
20 were the product of give and take? Would that be  
21 accurate?

22 A. That would be definitely accurate.

23 Q. And it's the company's position, from what  
24 I heard you saying earlier, that the basic charge  
25 using basic customer definition was one of those give-

1 and-take type of compromises in this proceeding and  
2 that, indeed, conceptually you believe that the costs  
3 and revenues are better matched using the minimum  
4 system approach, is that correct?

5 A. Yes.

6 Q. Would it be accurate to say that the use of  
7 200 peak hours as opposed to 12 peak hours in your  
8 peak credit methodology is also one of those give and  
9 take compromises?

10 A. I think it's accurate to say that it is --  
11 was part of the process. Probably should have asked  
12 Ms. Lynch this because she is the one that basically  
13 makes those kinds of decisions. I think we were  
14 considering that even prior to the collaboration, but  
15 it was certainly part of the package, if you will.

16 Q. So is it fair to say that absent the  
17 collaboration on decoupling in rate design, that the  
18 company probably would have stuck with the 12 peak  
19 hours?

20 A. I think that's probably fair to say. I  
21 think we probably would not have changed anything very  
22 dramatically from what our previous cases were and  
23 that certainly we would use 12 for as long as I can  
24 remember.

25 Q. And indeed there was a sound conceptual

1 basis for using the 12 hours?

2 A. Yes.

3 MR. TRINCHERO: Thank you. I have no  
4 further questions.

5

6

E X A M I N A T I O N

7 BY MS. ARNOLD:

8 Q. Just a couple questions, Mr. Hoff. On page  
9 14 of your testimony, Exhibit 567, you are describing  
10 the additional adjustment for price elasticity to  
11 account for the differences resulting in power factor  
12 charges. The power factor adjustment that's proposed  
13 in Schedule 80 is not impacted by the changes in the  
14 revenue requirement, is it? That is, the methodology  
15 is not changed?

16 A. The methodology is not. That's correct.

17 Q. Would there be other changes as a result of  
18 the general rate case filing in the power factor  
19 adjustment other than that it will increase the  
20 revenues?

21 A. The magnitude of the adjustment would be,  
22 but there weren't any other changes to the calculation  
23 method.

24 Q. At page 15 of your testimony you say, "In  
25 addition, planned conservation is included in the

1 attrition adjustment as a decrease to forecasted  
2 kilowatt hour sales." Does the proposed change to  
3 Schedule 83 which the company filed at the end of  
4 January affect the decrease in forecasted kilowatt  
5 hour sales?

6 A. Actually, I think I was supposed to answer  
7 these questions in two weeks, but I'll go ahead and --  
8 I don't think it's affected the forecast yet. That  
9 forecast was prepared prior to that change. I don't  
10 know how much they anticipated that change when they  
11 prepared the forecast so I can't answer directly other  
12 than I know the forecast that this was based on was  
13 prepared prior to that change to refiling of '83.

14 Q. Does the company plan to make any revisions  
15 to its testimony and exhibits in the general rate case  
16 as a result of the proposed change to Schedule 83?

17 A. I'm not sure.

18 Q. Turning to Deposition Exhibit 1, I believe  
19 you testified in answer to Mr. Trotter's question that  
20 the company's elasticity studies showed an impact due  
21 to seasonal rates and you referred to some staff data  
22 requests and Mr. Trotter said, yes, I know which ones  
23 those were. Can you tell me which staff data requests  
24 you were talking to?

25 A. They are requests 11 73 through 11 81.

1 Q. Thank you.

2 MR. ADAMS: Could you repeat the last  
3 number again.

4 THE WITNESS: 11 81.

5 Q. Mr. Trotter asked you several questions  
6 about the bullet on Deposition Exhibit 1 involving the  
7 increased seasonal differential in energy charges.  
8 And you said the primary concern that the company felt  
9 was not that there might be an insufficient cash flow  
10 in the summer, but more variation in the winter  
11 weather? Is that correct?

12 A. That would be the reason, primary reason  
13 for me. I think that there are -- there are concerns  
14 about cash flow that may be affecting -- that may be  
15 affected by this as well, but for me, most of the  
16 concern is the variability.

17 Q. And the next bullet says that the  
18 introduction of seasonal demand charges would likely  
19 have been different absent decoupling. How would it  
20 have been different absent decoupling?

21 A. We would probably have maintained the  
22 status quo which is no seasonal differentiated demand  
23 charges.

24 Q. Why?

25 A. Because there is a risk involved of



1 changing the status quo that we would not recover our  
2 allowed revenues, and that would essentially be an  
3 uncompensated risk until we did some adjustments for  
4 that and so we would probably not have stuck our neck  
5 out, if you will, and taken that risk.

6 Q. Can you explain that risk to revenues, if  
7 there was, that results in your view from seasonal  
8 demand charges.

9 A. Well, we've calculated our elasticity  
10 adjustment, what the magnitude of that would be.  
11 Conceptually, anytime you increase demand for a  
12 portion of the time, which this does, over what it  
13 would have been otherwise, you're going to get a  
14 reaction, which in this case would mean reduction in  
15 revenues.

16 Q. And your response to Staff Data Request  
17 11 73 through 11 81 will show this elasticity --

18 A. Yes.

19 Q. -- adjustment calculation?

20 I think you testified in your prior  
21 testimony that the Collaborative that you keep  
22 referring to did not include Bellingham Cold Storage  
23 or any of the other cold storage or frozen food  
24 processors that are intervening in this rate case, is  
25 that correct?

1 A. Yes.

2 Q. Have you since the rate design case began  
3 had any communications with any of those customers to  
4 resolve their concern over the seasonality of their  
5 rates?

6 A. We have had some meetings with some of  
7 those customers, yes.

8 Q. And what was the outcome of those meetings?

9 A. We basically discussed our existing rates.  
10 The general outcome was that I think we probably had a  
11 better understanding of the customers' concern and  
12 appreciation for it.

13 Q. Did you in connection with these  
14 discussions perform any analysis of the cost of  
15 serving these cold storage frozen food processor  
16 customers?

17 A. Of the cost of serving those customers  
18 themselves?

19 Q. Yes.

20 A. Not that I recall.

21 Q. Do you know whether you or anyone else has  
22 performed any analysis of the cost of serving those  
23 customers?

24 A. Not as a specific class of customers, no.  
25 Obviously they are part of a larger class of customers

1 that we do study, but not as a specific class.

2 MS. ARNOLD: Okay. That's all my  
3 questions. Thank you.

4

5

E X A M I N A T I O N

6 BY MR. CAMERON:

7 Q. I just have a couple questions, Mr. Hoff,  
8 and they relate to the water heater credit you mention  
9 on page 7 of your testimony.

10 A. Okay.

11 Q. I understand the answers you gave staff  
12 counsel before. Just a couple of clarifying  
13 questions, if I may. First, can you tell me what  
14 particular reserve obligation the company was trying  
15 to satisfy through use of the interruption on water  
16 heater loads? Was it -- not seem to be spinning  
17 reserve but was it operating reserve or planning  
18 reserve?

19 A. Basically the costs that were included in  
20 that evaluation include some costs of substations,  
21 peak capacity costs that are basically the same  
22 calculations that we do with peak credit methodology,  
23 so it's those sorts of costs. As far as whether they  
24 are spinning or planning, I think that basically, you  
25 know, I'm not a system planner, I'm not sure I can

1 actually make the distinction between those.

2 Q. So it was predicated on an avoided cost of  
3 capacity without differentiation as to the use of that  
4 capacity?

5 A. Well, I think that in that calculation  
6 there is some use involved. You know, there are fuel  
7 costs in that calculation and some estimates of how  
8 much that fuel cost would be to get it to a kilowatt  
9 cost. So it's not just capacity for the generation,  
10 obviously it is capacity for the substation.

11 Q. Yes. How quickly was the response to have  
12 been had under this interruption had it gone forward?

13 A. How quickly to -- the response as far as  
14 customers are concerned or the response once we have  
15 it in place to the signal to interrupt?

16 Q. The time elapsed between the perception of  
17 need by your system's operation people and the actual  
18 interruption.

19 A. Immediate. It was going to be controlled  
20 by the company.

21 Q. So within a matter of cycles?

22 A. Yes, as far as I know. You're stretching  
23 my understanding of this, but my understanding is we  
24 push a button and they go off.

25 Q. All right. Okay. I understand that. And

1 the button is connected to something?

2 In your answers before, you referred to the  
3 value of this credit being tied to natural gas,  
4 suggesting that your avoided cost was that of a  
5 combined cycle -- or a combustion turbine. Is that  
6 a correct inference?

7 A. Yes. I see here that there are 200 hours  
8 of gas that is included in this valuation.

9 Q. Is not a better source of this type of  
10 capacity the hydro system than combustion turbine?

11 A. That's a question for the system planners  
12 to decide and the people who do these calculations. I  
13 think what we consider is that the marginal resource  
14 is indeed a CT, not the hydro system.

15 Q. Well, are you saying, then, that you did not  
16 consider the availability of hydro capacity in  
17 calculating the value of this credit to the company?

18 A. It was not the direct part of the  
19 calculation. I think it probably was considered when  
20 we -- when they decided that the marginal unit was a  
21 CT, that takes into consideration that we already have  
22 existing hydro, but the hydro system was not part of  
23 the calculation.

24 Q. So then you did not consider the growing  
25 constraints on the hydro system caused by Endangered

1 Species Act mitigation measures in calculating the  
2 value of this credit to the company?

3 A. Not directly, although probably even with  
4 that marginal unit would still be the CT, combustion  
5 turbine.

6 Q. So you're saying that indirectly you took  
7 hydro into account by focusing on combustion turbines  
8 instead?

9 A. Why I'm hesitating is whether I actually  
10 did this. Actually, the group that did the analysis  
11 did this. I just took their word for it, if you will.  
12 But I think that's correct.

13 Q. Should we wish to make this the subject of  
14 a data request, which group should we mention?

15 A. You could send it to me and I'll make sure  
16 that it gets to the right place. It may be Mr.  
17 Lauckhart ends up actually answering at least that  
18 portion of the question.

19 Q. Okay. Part of your answer before about the  
20 credit referred to the fact that many residential  
21 water heaters might be cycled off at the time of  
22 interruption. Did you consider applying this credit  
23 to larger customers such as those in the commercial  
24 class?

25 A. For this experiment, this was just the

1 residential experiment. I think that we've considered  
2 that and we may do that eventually, but that was not  
3 part of this experiment.

4 Q. Is there a reason why you didn't apply it  
5 to the commercial class?

6 A. None other than we wanted to get started  
7 with something that -- you know, start small, if you  
8 will.

9 Q. Small referring to the size of the water  
10 heater within the affected customer's residence?

11 A. I think that and just something that, you  
12 know, we would be familiar with, and also because  
13 obviously the impact on residential water heaters  
14 could be fairly large because we have a lot of  
15 residential water heaters. I think it's more a  
16 question of where do you start in looking at this  
17 issue.

18 Q. Could it make sense to look at a smaller  
19 population of customers with larger water heaters than  
20 the typical residential heater?

21 A. Yes, that would be another way of doing the  
22 experiment.

23 Q. And would you support that sort of  
24 experiment?

25 A. Yes.

1                   MR. CAMERON: That's all I have. Thank  
2 you.

3

4

E X A M I N A T I O N

5 BY MR. ADAMS:

6           Q.     Mr. Hoff, I'm going to ask you some  
7 questions that are a bit piecemeal because of the  
8 various questions that preceded me. Let me start off  
9 on the water heat interruption credit, and without  
10 getting into the specifics of the program, I just want  
11 to ask you a general assumption question. Were both  
12 analyses that you've done of the water heat  
13 interruption credit -- interruption program prepared  
14 assuming a mature control point cost of the \$300,  
15 meaning that the cost of installing a radio control  
16 switch at a customer's water heater was \$300? Was  
17 that a constant in both analyses?

18           A.     Yes, it was.

19           Q.     Was that estimate prepared based on the  
20 cost of a retrofit installation or an installation at  
21 the time of a new construction?

22           A.     I really don't know. That was prepared by  
23 the T and D people who did this analysis.

24           Q.     Could you provide that information in any  
25 of the work papers that underlay that calculation as



1 Deposition Request -- frankly, I think I lost the  
2 number --

3 MR. TROTTER: 14 (sic).

4 Q. -- 14 (sic). Thank you.

5 A. Yes, I can.

6 (Deposition Request No. 13.)

7 Q. Just to follow up on a couple of the  
8 preceding questions relating to the interruption  
9 program, isn't at least one of the reasons why it  
10 was initially proposed for the residential customers  
11 was that at least during the Collaborative it was  
12 residential customers who were pushing for the  
13 program?

14 A. Yes, that is one of the reasons.

15 Q. Is proposed Schedule 36 available for  
16 commercial water heat interruption?

17 A. Yes, it could be. It's not -- I mean, with  
18 36 we don't have direct control of interruptions, but  
19 certainly if somebody wanted to interruption their  
20 water heaters along with anything else they wanted to  
21 interruption in 36, it would be part of it.

22 Q. So that option is available?

23 A. Yes.

24 Q. At page 7, line 6, you just generally  
25 indicate that you are modifying the terms of Schedule

1 36. Could you in a little more detail describe what  
2 those changes are.

3 A. Actually, maybe -- well, okay. What I'm  
4 doing is I'm referring to Exhibit 570 and comparing  
5 that with Exhibit 12, and looking at Schedule 36, and  
6 essentially a side-by-side comparison of this would  
7 show you exactly the changes.

8 The main change is if you look on the  
9 rates, monthly rate was \$66. And I see we still have  
10 the plus in there which we were supposed to take out.  
11 Oh, it is plus. I'm sorry. And then the  
12 interruptible monthly rate of an interrupt month went  
13 from 23.50 to \$22.

14 And then if you look at the next rates,  
15 one-year firm interruptible demand went from a 75-cent  
16 credit to a 70-cent credit and five year is the same.

17 The demand penalty is a bit different. And  
18 then the rates -- let's see. The credit for  
19 interruption, there is -- before, we had long term  
20 firm interruptible, short term firm interruptible, and  
21 non-firm interruptible, and now we just have a  
22 long term firm interruptible, so we dropped the short  
23 term and the non-firm. Those are primarily the  
24 differences.

25 Q. First of all, looking just at the monthly

1 charge, as I understand it, you've dropped it from \$66  
2 to \$2.21? What is the rationale for that change?

3 A. Because before, we thought we were going to  
4 have to have a rather expensive system of  
5 notification, and I think that they have concluded  
6 that they can use a telephone.

7 Q. So you can't press a button, in other  
8 words?

9 A. No, you can't press a button on this, but  
10 basically it's a revision of basically the type of  
11 system we need to notify. We thought we would have to  
12 have a printer before, an on-line printer connected.

13 Q. I notice also under availability you've  
14 restricted it apparently to only 10 customers.

15 A. Yes.

16 Q. Is that all the customers that would be  
17 interested in this kind of a service or is that all of  
18 the interruptibility you need or where does this 10  
19 customer count come from?

20 A. It was because this is basically an  
21 experiment. It's not because of that is all the  
22 interruptibility we need. We're doing this to try it  
23 out as an experiment and felt that restricting the  
24 number of customers made it a more manageable  
25 experiment.

1 Q. Am I correct that under this interruption,  
2 though, after this telephone call you have to rely on  
3 the customer to do the interruption, you cannot  
4 physically interrupt the customer?

5 A. That's correct.

6 Q. Okay. Let's move to a couple questions  
7 concerning changes that you've made in the residential  
8 rate design, recognizing that you have covered some of  
9 this ground before. You propose changing the size of  
10 the initial block from 400 or 500 kWh to 800 kWh,  
11 correct?

12 A. That's correct.

13 Q. And you state that this was done primarily  
14 to move more gradually?

15 A. Yes. When we did the analysis of the  
16 impacts of this change with the rate case where we had  
17 an actual revenue increase, we found that leaving the  
18 change at 400 and 500 resulted in what I, in my  
19 judgment, thought might be an unacceptable  
20 differential in impact, and so to try to minimize  
21 that, I compromised in the change and went to 800  
22 instead of all the way from 1,000 to 400 and 500.

23 Q. Were there any other reasons than those you  
24 just stated for that change?

25 A. No. It was entirely because of the impact.

1 Q. Now, you've also proposed a considerable  
2 increase in the rate for that initial block up to from  
3 approximately 4.2 cents to 6 cents, have you not, or  
4 increase of approximately 42 percent?

5 A. Yes.

6 Q. And your tail block increases have gone  
7 from, as I understand it, about 6.1 cents to 7.4 cents  
8 or an increase of about 22 percent, is that correct?

9 A. Yes.

10 Q. How does this comport with the concept of  
11 baseline rates which the Commission adopted in cause  
12 U 7805 in the response to the requirement they  
13 consider lifeline rates? Do you recall that generic  
14 proceeding?

15 A. I wasn't around then. I wasn't in this  
16 business in 7805. I know I've read the results of  
17 that. I think that it still is a lower rate than  
18 the tail block rate. It's still an inverted rate.  
19 The change itself, you know, as I mentioned before, is  
20 a result of an increase in the cost of service and  
21 then the change of the blocking. Personally I feel  
22 that as long as we have inverted rates, that that is  
23 -- that that addresses the concerns about lifeline  
24 rates raised in 7805 -- or baseline rates.

25 Q. To your knowledge, has the company

1 requested any formal reconsideration of that docket?

2 A. Of 7805?

3 Q. Yes.

4 A. Well, I would sort of consider having a  
5 general rate design case, which the Commission has  
6 done, is a reconsidering of all of those concepts.

7 Q. The company has not requested any reopening  
8 of that specific docket, is that correct?

9 A. No.

10 Q. Now, each of the residential blocks that  
11 you've proposed would be subject to Schedule 94  
12 decreases associated with the residential small farm  
13 credit with BPA, would it not?

14 A. Yes.

15 Q. What level of Schedule 94 credit has the  
16 company filed in its general rate case?

17 A. I don't believe we filed a change in 94 so  
18 it would be at the existing credit which is 0.75  
19 cents.

20 Q. What level of credit does the company  
21 believe would be justified based on the general rate  
22 case filing?

23 A. 0.75 cents. That's why we didn't change  
24 it. I think that we're continuing to monitor what's  
25 happening with BPA and with their case and how our

1 case goes, and it may be that we'll want to change  
2 that rate at some future time.

3 Q. BPA rates are scheduled to increase in  
4 October 1, are they not, the same date as they would  
5 in this case, presumably?

6 A. That's correct.

7 Q. The impact would be that both would move up  
8 at the same time then, correct?

9 A. That both our rates, our costs, and BP's  
10 rates would be moving up at the same time?

11 Q. That's correct.

12 A. Yes.

13 Q. And so has the company done a calculation  
14 that basically shows that the current Schedule 94  
15 would remain the same based on Bonneville's request  
16 and based on your request in this case?

17 A. We've thought about it. I think that --  
18 you know, I'm hesitating about it, whether we have a  
19 specific calculation, and maybe what -- actually, what  
20 the best approach would be to -- I love this -- ask  
21 Mr. Lauckhart that when he gets on the stand in two  
22 weeks about those calculations. We thought about it,  
23 obviously, when we filed this and I think the general  
24 conclusion was that let's not change the rate  
25 immediately, let's wait to see a little bit more how

1 the BPA situation works out. But I think perhaps it  
2 would be best to defer those questions to Mr.  
3 Lauckhart.

4 Q. Okay. Well, just again, not looking at the  
5 specific amount, but is the company anticipating  
6 making such a filing during the pendency of this  
7 general rate case then?

8 A. I don't think we know yet. I think we  
9 could, but as of right now we don't have plans to make  
10 a filing yet. I guess that's what I can say.

11 Q. Dealing again with the proposed residential  
12 rate blocking that you've discussed in your testimony,  
13 you would agree, would you not, that several members  
14 at least of the Rate Collaborative recommended a  
15 larger step up between the blocks, that is, between  
16 the first block with a smaller initial block and a  
17 more substantial second block?

18 A. Yes, I think that our original proposal was  
19 more closely aligned with the general consensus of  
20 the Collaborative, although it wasn't -- I sort of  
21 hate to use the word "consensus." I think the way you  
22 put it, some of the members recommended, that would be  
23 a better way to put that.

24 Q. So your proposal here is moving in the  
25 opposite direction and is not based on that



1 collaborative process, though, correct?

2 A. It's moving in the opposite direction. I  
3 think that there were also members of the  
4 Collaborative that wanted a flat rate or a less  
5 differentiated rate.

6 Q. Right. But this is not a result -- your  
7 change here is not a result of that collaborative  
8 process, correct?

9 A. That's correct. My change is solely a  
10 result of looking at the impacts and the department's  
11 judgment that they were unacceptable.

12 Q. The department meaning Puget's rate  
13 department?

14 A. Puget's rate department, yes.

15 Q. Turning now to rate spread, and looking at  
16 your DWH number 5, I don't remember what the number  
17 is.

18 A. 571?

19 Q. Yes. Looking at page 1, you have proposed  
20 a larger than average increase for the residential  
21 class, correct?

22 A. Yes.

23 Q. And am I correct that that recommendation  
24 is based on the cost-of-service study prepared by Ms.  
25 Lynch?

1 A. Yes.

2 Q. Your proposed rates move each class exact  
3 one-third of the way from their current cost revenue  
4 ratio to the results of Ms. Lynch's cost of service  
5 study results, do they not?

6 A. Yes.

7 Q. Would you agree that this is a mechanical  
8 application of the results of the cost-of-service  
9 study taking the ratemaking principle of gradualism  
10 into account?

11 A. Yes.

12 Q. In translating the results of Ms. Lynch's  
13 study into your proposed rates, did you apply a  
14 differential risk premium to each customer class or  
15 was it your goal to move towards a common rate of  
16 return for each class?

17 A. I did not apply a differential so, yes, it  
18 would be a common rate of return.

19 Q. In translating the results of that study  
20 into your proposed rates, did you apply a differential  
21 risk premium to each class of property, for example,  
22 treating generating property as more risky than  
23 distribution property?

24 A. No.

25 Q. You may have heard these questions from Ms.

1 Lynch. I'm going through some of the same ones.

2 A. I was going to say.

3 Q. Again referring you to the testimony of Mr.  
4 Weaver, Miller, and Abrams with respect to the risks  
5 associated with purchase power and their position that  
6 the company must beef up its equity capitalization  
7 ratio if it is to rely heavily on purchase power, do  
8 you recall that general testimony of those witnesses?

9 A. Yes.

10 Q. Just for your purposes did you attempt in  
11 any way to incorporate those additional costs in your  
12 rate spread proposal by assigning those additional  
13 costs between classes based upon the allocated  
14 purchase power cost to each class?

15 A. No.

16 MR. ADAMS: That's all I have. Thank you  
17 very much.

18 MR. TROTTER: Anything further from anyone?  
19 The witness is excused. Thank you. Off the record.

20 (Discussion off the record.)

21 MR. TROTTER: We're back on the record just  
22 for a second. Mr. Adams's Deposition Request 13  
23 should be Deposition Request 12. There was no -- I  
24 had marked down a Deposition Request 12 prior to that  
25 and it was not proper.

1 MR. VAN NOSTRAND: Yes. 13 becomes 12.

2 MR. TROTTER: Deposition Request 13 will  
3 become 12.

4 MR. ADAMS: My 13 becomes 12 and yours  
5 becomes 11. Is that what you're --

6 MR. TROTTER: Is that right, Jamie?

7 MR. VAN NOSTRAND: Public counsel's  
8 Deposition Request 14 becomes 13 and staff counsel's  
9 Deposition Request 13 becomes Number 12.

10 MR. TROTTER: Thank you. Off the record.  
11 (Deposition concluded at 12:20 p.m.)

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*[Handwritten Signature]*  
\_\_\_\_\_  
DAVID W. HOFF

STATE OF WASHINGTON )  
  ) ss.  
COUNTY OF KING )

SUBSCRIBED AND SWORN to before me this 23<sup>rd</sup>  
day of February, 1993.

*[Handwritten Signature]*  
\_\_\_\_\_  
Notary Public in and for the State  
of Washington, residing at Kirkland

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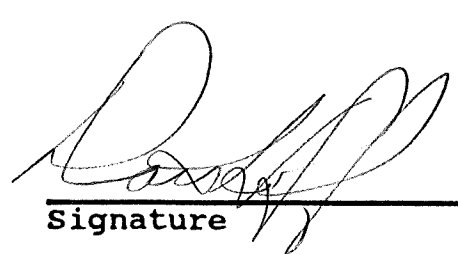
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Page, Line

31 13

Change "'83" to "Schedule 83".



Signature

Puget Sound Power & Light Company  
Docket No. UE-920499  
Response To Staff Data Request No. 24

EXH. NO. ~~1~~ 1

FEB 5 1993

WITNESS Hoff  
LISA K. NISHIKAWA

Request

In what respects would the rate design proposal be different absent decoupling? Include in your answer whether the cost-of-service model or parts of the model would have been different and how.

Response by Mr. Hoff

The following rate design proposals would likely have been different absent decoupling. These changes are the result of the decoupling order, subsequent collaboration with the Rate Design Collaborative, and input from the Rate Design Task Force.

- o The residential two-block marginal cost rate.
- o Agreement to file a basic charge using the basic customer definition. (Described in Docket No. UE-920499, Ex. T-8 p. 28).
- o The increased seasonal differential in energy charges.
- o Introduction of seasonal demand charges.
- o Experimental interruptible rates.
- o Experimental marginal cost rates.

These rate design changes represent the culmination of many months of cooperative work under the paradigm of decoupling. Most of these changes have potential negative revenue impacts absent decoupling and could create potential seasonal instability in revenue recovery. In the last general case, Docket No. U-89-2688-T, the company proposed opposite positions on two major issues -- seasonality and the basic charge. Specifically, the company proposed the elimination of seasonality and a significant increase in the basic charge based on the minimum system method. The fact that the company is proposing a different approach is an indication of the impact of decoupling on the rate design proposals.

With regards to rate spread, in the absence of decoupling the Company would not have moved towards parity as quickly as proposed in the rate design filing because of concern over revenue recovery. In contrast, the Company did not propose any rate differentials to move toward parity in the last general rate case.

With regards to cost-of-service, the company's proposal on the treatment of distribution plant most likely would have been different. In the past the company has proposed

use of the minimum system method. In the absence of decoupling, the company would most likely have used this method or some hybrid classification/allocation method which more closely aligns revenue with costs, and thus put less revenue at risk when sales decline. Another area in the company's proposed cost-of-service methodology that may have been different is the use of the top 200 peak hours for the coincident peak allocation factors. In past filings the company has utilized, and the commission generally accepted, the top 12 peak hours in this calculation. The presence of decoupling and the recommendations of the collaborative group played a major role in our decision to change. Finally, the proposal for all parties to use a common PC-based cost-of-service model and the associated company training was attributed in part to decoupling and the company's enhanced effort to work with other parties.