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1 BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION

2 COMMISSION

3 THE WASHINGTON UTILITIES )  
AND TRANSPORTATION COMMISSION, )

4 )  
Complainant, )

5 )

vs. ) DOCKET NO. UE-991606

6 )

AVISTA CORPORATION )

7 )

Respondent. )

8 -----

THE WASHINGTON UTILITIES )  
AND TRANSPORTATION COMMISSION, )

9 )  
Complainant, )

10 )

vs. ) DOCKET NO. UG-991607

11 )

AVISTA CORPORATION, ) VOLUME VI

12 ) Pages 651 - 847

13 )

Respondent. )

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15 A hearing in the above matter was held on  
16 March 30, 2000 at 9:30 a.m., at 1300 South Evergreen  
17 Park Drive Southwest, Olympia, Washington, before  
18 Administrative Law Judge MARJORIE R. SCHAER, Chairwoman  
19 MARILYN SHOWALTER, Commissioners RICHARD HEMSTAD and  
20 WILLIAM R. GILLIS.

21 The parties were present as follows:

22 THE WASHINGTON UTILITIES AND TRANSPORTATION  
23 COMMISSION, by MARY M. TENNYSON and GREGORY J.  
24 TRAUTMAN, Assistant Attorneys General, 1400 South  
Evergreen Park Drive Southwest, Post Office Box 40128,  
Olympia, Washington 98504.

25

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1 AVISTA CORPORATION, by DAVID J. MEYER,  
2 General Counsel, East 1411 Mission, Spokane, Washington  
3 99202.

3 THE PUBLIC, by SIMON J. FFITCH, Assistant  
4 Attorney General, 900 Fourth Avenue, Suite 2000,  
5 Seattle, Washington 98164-1012.

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24 Kathryn T. Wilson, CCR  
25 Court Reporter

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1 P R O C E E D I N G S

2 JUDGE SCHAER: Today is March 30, 2000, and  
3 we are convened for the fourth day this week for  
4 presentation of the Avista Company's direct case and  
5 cross-examination of that case, the hearing dockets No.  
6 UE-991606 and 991607. Appearances are the same as they  
7 were yesterday. Would you like to call your next  
8 witness, please, Mr. Meyer.

9 MR. MEYER: I call to the stand Mr. William  
10 Avera, please.

11 (Witness sworn)

12

13 EXHIBITS FOR WILLIAM E. AVERA

14 T-101, Direct Testimony WEA-17T; 102, Supporting  
15 Schedules and Appendices WEA-18; 103, Value Line  
16 Selection & Opinion, July 23, 1999 Article: "The Value  
17 Line Industrial Composite" (Staff Cross Exhibit); 104,  
18 Economic Report of the President Transmitted to  
19 Congress February 2000 (Staff Cross Exhibit); 105,  
20 Response to Staff Data Request No. 89 (Staff Cross  
21 Exhibit); 106, Response to Staff Data Request No. 90  
22 (Staff Cross Exhibit); 107, Response to Staff Data  
23 Request No. 91 (Staff Cross Exhibit); 108, Response to  
24 Staff Data Request No. 92 (Staff Cross Exhibit); 109,  
25 Response to Staff Data Request No. 123 (Staff Cross

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1 Exhibit); 110, Response to Staff Data Request No. 124  
2 (Staff Cross Exhibit); 111, Response to Staff Data  
3 Request No. 127 (Staff Cross Exhibit); 112, Response to  
4 Staff Data Request No. 128 (Staff Cross Exhibit); 113,  
5 Response to Staff Data Request No. 129 (Staff Cross  
6 Exhibit); 114, Response to Staff Data Request No. 130  
7 (Staff Cross Exhibit); 115, Response to Staff Data  
8 Request No. 131 (Staff Cross Exhibit); 116, Response to  
9 Staff Data Request No. 137 (Staff Cross Exhibit); 117,  
10 Response to Staff Data Request No. 138 (Staff Cross  
11 Exhibit); 118, Response to Staff Data Request No. 150  
12 (Staff Cross Exhibit); 119, Avista Response to Public  
13 Counsel Data Request No. 45 (Public Counsel Cross  
14 Exhibit); 120, Weighted average cost of capital exhibit  
15 (1 of 2) (Public Counsel Cross Exhibit); 121, Weighted  
16 average cost of capital exhibit (2 of 2) (Public  
17 Counsel Cross Exhibit); 122, Avista Response to Public  
18 Counsel Data Request No. 24 (Public Counsel Cross  
19 Exhibit); 123, Avista Response to Public Counsel Data  
20 Request No. 33 (Public Counsel Cross Exhibit); 124,  
21 Avista Response to Public Counsel Data Request No. 43c  
22 (Public Counsel Cross Exhibit); 125, Avista Response to  
23 Public Counsel Data Request No. 43b (Public Counsel  
24 Cross Exhibit) (withdrawn); 126, Avista Response to  
25 Public Counsel Data Request No. 36 (Public Counsel

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1 Cross Exhibit); 127, Avista Response to Public Counsel  
2 Data Request No. 49 (Public Counsel Cross Exhibit);  
3 128, Response to WUTC Data Request No. 92 (Staff Cross  
4 Examination Exhibit); 129, Response to WUTC Data  
5 Request No. 95 (Staff Cross Examination Exhibit); 130,  
6 Response to WUTC Data Request No. 104 (Staff Cross  
7 Examination Exhibit); 131, Response to WUTC Data  
8 Request No. 111 (Staff Cross Examination Exhibit); 132,  
9 Avista Corporation, Form 10-Q for quarter ended 9/30/99  
10 (Staff Cross Examination Exhibit); 133, Response to  
11 Public Counsel Data Request No. 25 (Staff Cross  
12 Examination Exhibit); 134, Response to Staff Data  
13 Request No. 117 (Staff Cross Examination Exhibit).  
14

15 DIRECT EXAMINATION

16 BY MR. MEYER:

17 Q. Have you sponsored Exhibit T-101 as marked  
18 for identification?

19 A. Yes, Mr. Meyer, I have.

20 Q. For the record, we have passed out an errata  
21 sheet correcting for some exhibit references. With  
22 that errata having been noted, would your answers be  
23 the same if asked the same questions?

24 A. They would be.

25 Q. Are you also sponsoring what has been marked

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1 for identification as Exhibit 102?

2 A. Yes, sir.

3 Q. Was that exhibit prepared by you or under  
4 your direction or supervision?

5 A. It was.

6 MR. MEYER: With that, Your Honor, I move for  
7 admission of Exhibits T-101 and 102.

8 JUDGE SCHAER: Are there any objections?  
9 Those documents are admitted. Let's go off the record  
10 for a few minutes at this point. Commissioners are  
11 tied up in another meeting, and as soon as they are  
12 able to join us, we will proceed.

13 (Discussion off the record.)

14 JUDGE SCHAER: The Commissioners have joined  
15 us now. You had tendered the witness, I believe, Mr.  
16 Meyer.

17 MR. MEYER: I had, Your Honor.

18 JUDGE SCHAER: Go ahead, Ms. Tennyson.

19

20 CROSS-EXAMINATION

21 BY MS. TENNYSON:

22 Q. Good morning, Mr. Avera. Am I pronouncing  
23 your name right?

24 A. You are indeed.

25 Q. Referring to your testimony, which has been



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1 admitted as Exhibit T-101, on Page 2, you tell us that  
2 the purpose of your testimony is to determine what  
3 constitutes a fair overall rate of return for Avista's  
4 jurisdictional, electric, and gas utility operations;  
5 is that correct?

6 A. Yes, it is.

7 Q. By "jurisdictional," are you referring to  
8 regulated operations?

9 A. Yes, jurisdictional to this Commission.

10 Q. So Washington regulated operations in  
11 particular.

12 A. That is correct.

13 Q. In reading your testimony, I didn't find a  
14 single analysis that you made using Avista's own data  
15 to assist you in determining what constitutes a fair  
16 rate of return on common equity capital for Avista's  
17 jurisdictional operations. Is that a fair statement?

18 A. I don't think it is. I looked at the  
19 industry in general, and for reasons stated in my  
20 testimony, I elected to use a group of comparable  
21 utilities to determine the appropriate capital  
22 structure and for the purposes of the cost of equity.

23 As to the cost of debt and preferred  
24 securities, I use the Avista information, and  
25 throughout the analysis, I compared Avista information

00660

1 with the industry so I think in my analysis  
2 incorporated an understanding of Avista and comparisons  
3 of Avista with the industry.

4 Q. The question that I asked talked about the  
5 fair rate of return on common equity capital, not the  
6 cost of debt.

7 A. As to the fair rate of return, I think my  
8 answer would have to be refined a little bit. I did  
9 look to the comparable companies, but I did a  
10 fundamental analysis of Avista to determine that it was  
11 similar to the comparable companies, or more correctly,  
12 that the comparable companies were similar to the  
13 Avista.

14 Q. Did you look at the Company's actual capital  
15 structure?

16 A. I recorded the Company's actual capital  
17 structure in my testimony.

18 Q. You didn't do a discounted cash flow or DSF  
19 type analysis on Avista itself; correct?

20 A. No, I did not. I used the 12 comparable  
21 utilities.

22 Q. Is one of the reasons you did not do that for  
23 Avista itself is that it has such a high percentage of  
24 its total revenues and operating income capital  
25 expenditures accounted for by its non-utility

00661

1 operations?

2 A. That's one of the reasons. Another reason is  
3 because Avista recently cut its dividend, and since the  
4 DCF Model is driven by dividend yield, when you have a  
5 disruption of the dividend, it's outside the  
6 assumptions of the model, so both as to the revenue,  
7 which I talk about in my testimony, and as to the  
8 dividend change that I talk about in my testimony, I  
9 elected not to do a DCF for Avista.

10 Q. Is it fair to say that for the 12 companies  
11 you selected as comparables for this study that their  
12 percentage of total revenues accounted for by  
13 non-utility operations averaged about six percent?

14 A. That sounds approximately correct. I could  
15 check that.

16 Q. Would you accept that subject to check?

17 A. Yes, I would.

18 Q. And the corresponding percentage of Avista is  
19 about 72 percent; isn't that correct?

20 A. That is correct.

21 Q. Could you give us an idea of what the average  
22 percentage of operating income assets and capital  
23 expenditures are for non-utility operations for the 12  
24 companies that you analyzed?

25 A. I can't give you exact numbers.

00662

1 Q. Would you be able to provide those if I made  
2 a records requisition?

3 A. I would need a clarification of what you  
4 want. You mean for the year 1998? Because that would  
5 be the most recent year for which we have 10-K  
6 information.

7 Q. That would be the year that we would be  
8 looking at, yes.

9 A. The parameters you want are operating income?

10 Q. Yes, assets and capital expenditures for the  
11 non-utility operations.

12 A. I might have some difficulty, because these  
13 companies do not consistently break out by lines of  
14 business. The reporting to the SEC is subject to  
15 general rules, but the companies can decide how they  
16 are going to do their segment reporting. For example,  
17 Avista has changed its segment reporting over time.

18 Having not looked at that specifically for  
19 these utilities, I can't be sure that they provide in  
20 their public documents a breakout of net income,  
21 capital expenditures, and assets by business line, so I  
22 can look, and to the extent it is reported in the  
23 10-K's, I can provide that, but I can't guarantee that  
24 it will be available for all or any of the companies.

25 Q. To the extent that it is available in public

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1 documents, I would ask that you provide -- I would make  
2 a records requisition for the average percentage of  
3 operating income, assets, and capital expenditures for  
4 non-utility operations for each of the 12 companies  
5 that you analyzed for the year 1998.

6 A. I will endeavor to do that.

7 JUDGE SCHAER: That will be Records  
8 Requisition 22.

9 Q. Is it fair to say that you believe the  
10 overall risk of the 12 combination companies that you  
11 selected for analysis purposes is far more comparable  
12 to the risk of Avista's jurisdictional utility  
13 operations than it is over Avista's overall risk?

14 A. I'm not sure about the "far more." In my  
15 opinion, the risk of these companies is comparable to  
16 the jurisdictional utility risk. I think when we  
17 encompass the entire business of Avista, I think there  
18 is some similarities because many of these companies  
19 are in similar businesses to Avista.

20 Q. You had indicated earlier that you haven't  
21 made a DCF analysis of Avista's cost of equity capital  
22 similar to the analysis you made for the 12 companies;  
23 correct?

24 A. No, I have not, for the reasons we discussed  
25 earlier.

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1 Q. If you haven't made that kind of study for  
2 Avista, how do you know it's more risky than your group  
3 of 12 combination utilities?

4 A. I don't think I made that statement. The  
5 statement I made was, I believe, as to the utility  
6 operations, that the risk of the utility operations is  
7 similar. I think as to the non-utility operations, I  
8 think there is less similarity.

9 Now, I only did a DCF analysis for the  
10 utility operations, assuming that since they are  
11 comparable in risk, the required return would be the  
12 same, so that's as far as I can go in the comparisons  
13 based on the work I have done.

14 Q. Is it your testimony that the overall risk of  
15 Avista's non-utility operations, if they were standing  
16 alone, would be greater than the overall risk of  
17 utilities' operations if the utility operations were  
18 standing alone?

19 A. I have not done a quantitative study of that.  
20 My belief is that there may be some greater risk in  
21 some of the businesses. I think the fact that the  
22 businesses are in a portfolio and their relative sizes  
23 are changing, I think it's very difficult to get a  
24 handle on exactly how the risk would line up.

25 The way that I approach this case in terms of

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1 looking at the utility operations and then comparing  
2 those to similar utility operations, it was not  
3 necessary to cross the bridge as to what the risk of  
4 Avista's other operations were. We were able to avoid  
5 it by doing an oranges to oranges comparison.

6 Q. So when you looked at Avista's utility  
7 operations, the regulated utility operations, in  
8 essence, in isolation from the rest of the Company?

9 A. In isolation in the sense that I believe  
10 these 12 companies are similar in risk because they are  
11 impacted by the same types of business conditions as  
12 Avista's operation. They are in the electric business.  
13 They are in the gas business. According to the rating  
14 agencies, they are rated single "A." They are affected  
15 by the national trends of consolidation and  
16 deregulation and dramatic change in the industry, so I  
17 believe that these 12 companies are an indicia that we  
18 can use to look at the risk and required return for the  
19 utility operations of Avista.

20 Q. You devote a fair amount of your testimony to  
21 describing the risks faced by Avista's utility  
22 operations, don't you?

23 A. Yes, I do.

24 Q. One risk factor that you indicate is Avista  
25 doesn't have a PCA, or power cost adjustment, mechanism

00666

1 in Washington as it has in Idaho; correct?

2 A. That is correct. That is significant. It  
3 was mentioned in many of the rating agency reports I  
4 looked at, many of the equity analyst reports, so the  
5 absence of a PCA in Washington is a material factor  
6 that investors look at when they evaluate the  
7 jurisdictional utility operations of Avista.

8 Q. And the PCA only applies to the electric part  
9 of the Company; isn't that correct?

10 A. That's correct.

11 Q. You tell us that the competition in the  
12 electric utility industry is being increasingly  
13 promoted at the federal and state levels. Does this  
14 apply to Avista's Washington utility operations?

15 A. It certainly does at the federal level  
16 because the initiatives of the Federal Energy  
17 Regulatory Commission, the initiatives in congress by  
18 Representative Martin, those kinds of initiatives that  
19 investors are concerned about would affect Washington  
20 operations as they would affect utilities throughout  
21 the country.

22 My understanding of the deregulation  
23 conversations in Washington are that there have been a  
24 number of studies over time. This Commission, I  
25 understand in its legislature, is taking a deliberate



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1 approach to evaluating deregulation, so unlike some  
2 other states that have already stepped out and have  
3 explicit legislative charters for deregulation, my  
4 impression is that generally in the Northwest,  
5 deregulation is proceeding less rapidly, but the  
6 deregulation conversations, I understand, are still on  
7 the table and are still part of the environment that  
8 investors would have to consider, and I would also  
9 remind you that the comparable companies that I looked  
10 at span the nation, and in those jurisdictions, there  
11 are definitely state deregulation issues.

12 Q. You discussed deregulated pricing, recovery  
13 of stranded investment, and market entry restriction on  
14 Page 13 of your testimony. Do these risks apply to  
15 Avista's Washington utility operations?

16 A. Yes. I think they are potential risk because  
17 there is a possibility in investors' minds that  
18 Washington could proceed to kind of deregulation  
19 structure that other states have, and those issues of  
20 stranded costs, the entry of competitors, the  
21 structural framework for deregulation, I think is very  
22 much on investors' minds. The fact that it's not  
23 proceeding as rapidly in Washington and not an imminent  
24 as other places I don't think completely removes it  
25 from the radar screens of investors.

00668

1 Q. Do you believe that Avista's utility risk is  
2 rising due to its increased reliance on purchased  
3 power?

4 A. I believe that there is a risk with purchased  
5 power. There is risk with building and owning  
6 generation facilities, but I think the kind of market  
7 swings that we've experienced in the last several years  
8 in market prices of purchased power is very much on the  
9 minds of investors and is one of the why reasons they  
10 regard the absence of a PCA in this jurisdiction as a  
11 significant factor.

12 Q. Are Avista's risks also rising in the gas  
13 distribution portion of its operations?

14 A. I think generally the perception of risk in  
15 the gas distribution is increasing over what it was in  
16 the past. I don't think the general pace of change in  
17 the gas industry at this moment is as much on the mind  
18 of investors as it is in the electric industry, but  
19 there have been structural changes. The big structure  
20 change at the transmission level occurred several years  
21 ago, but now we are seeing that being worked through  
22 the local distribution company operations.

23 Q. Given the rising risks facing Avista's  
24 electric and gas utility operations that you described  
25 in your testimony, how do you know that Avista's cost

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1 of equity capital is higher than that of its  
2 jurisdictional utility operations if you haven't done a  
3 study of Avista's cost of equity capital?

4 A. I don't think -- did I make that statement?  
5 I think my statement was that rather than look at  
6 Avista in total, I made the selection to look at the  
7 jurisdictional utility operations by means of a  
8 comparable group who I thought had similar risk, and  
9 then I made an estimate of their cost of equity and  
10 made the inference, which I think is a reasonable one,  
11 that that cost of equity would be a good proxy for  
12 Avista utility operations. Proceeding in that way, we  
13 didn't have to answer the question about the risk and  
14 rate of return of Avista Corporation as a whole.

15 Q. You don't know whether it's lower, do you?

16 A. I don't know. A few minutes ago, you asked  
17 me to speculate, and I speculated a little bit, but I  
18 have not done an analysis to speak definitively on the  
19 difference in risk and the difference in rate of return  
20 because I went directly to answer the question that I  
21 thought was important for this jurisdiction, which is  
22 what is the cost of capital employed in utility  
23 operations.

24 Q. Dr. Avera, on how many occasions have you  
25 testified on behalf of an electric or combination gas

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1 and electric utility where you contended that the risks  
2 of the company's utility operations were decreasing?

3 A. I would really have to think. I have  
4 probably testified on behalf of electric, gas, or  
5 combination utilities possibly 80 times in 25 different  
6 jurisdictions, including Canadian jurisdictions and  
7 federal jurisdiction on top of the 25 state  
8 jurisdictions, and at this stage in my life, I don't  
9 have all of those experiences on my random access  
10 memory. I would have to just think about it, and if  
11 you want me to think and noodle here a little bit, I  
12 could.

13 Q. Do you recall at this time ever having  
14 testified about the risks of an electric or gas  
15 electric utility operation's risk decreasing?

16 A. One example of a case I've been involved in  
17 on several occasions is El Paso Electric Company, who  
18 has operations in Texas and New Mexico, and El Paso  
19 Electric Company has gone through quite a traumatic  
20 history in the '70's through the '90's, which involved  
21 reorganization, bankruptcy, merger, failed merger,  
22 spin-offs, and I think I have testified; in fact, I  
23 have testimony filed, but the case was settled in New  
24 Mexico, that referenced a declining risk of El Paso  
25 Electric that now those kind of events are out of its

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1 life and it's back to a stand-alone electric utility.  
2 So my recollection as I sit here today is I have  
3 probably, in the specific case of El Paso Electric,  
4 said that its risk had declined as a result of the  
5 stabilization of its ownership structure.

6 Q. So if I'm understanding correctly, if the  
7 Company were facing bankruptcy and now it's back to a  
8 more stable operations, its risk would have decreased.

9 A. Yes. That's one particular example out of 80  
10 or 90 I've testified. There may be others. I just  
11 can't tell you right now going back over that many  
12 cases in approximately 25 years of testimony.

13 Q. Can you recall on how many occasions you've  
14 testified on behalf of an intervenor or a combination  
15 gas electric utility where you contended risk to the  
16 company's operations were increasing?

17 A. I testified on several occasions as an  
18 intervenor and on many occasions as a staff witness,  
19 and I assume you would put the staff witness in the  
20 same category as an intervenor.

21 Q. Yes.

22 A. As being not from the company. I'm not  
23 saying the company and staff are the same.

24 Q. I would categorize it that way for purposes  
25 of this question.

00672

1       A.     I believe in my experience I have talked  
2 about the risk going both ways, changing over time as  
3 events have changed. My testimony career in electric  
4 and gas utilities began in 1977, and that encompasses a  
5 time in the late '70's of very volatile energy prices,  
6 and at the beginning of that period, the kind of  
7 mechanisms we have now to adjust for cost of fuel and  
8 fuel mix were not present.

9             It also encompasses a period of time of the  
10 building of investment in nuclear plants, which for  
11 many years never seemed to get finished, and it was  
12 doubtful if they would ever be operational and many  
13 never became operational, and in the mid to late '80's,  
14 there was a number of those cases where the state of  
15 the nuclear plant was resolved, and as a result of the  
16 nuclear construction risk being over, I think the risk  
17 declined on some occasions when I was a witness.

18       Q.     Over the last five years, would you say your  
19 testimony has generally contended that the risks of a  
20 company's operations were increasing?

21       A.     As to electric and gas companies it has,  
22 because I think that's the way investors view these  
23 industries, as industries of increasing risk in the  
24 last five years.

25       Q.     That's what you've testified to?

00673

1       A.       I believe so. In the case of El Paso  
2 Electric, there may have been specific circumstances  
3 about a specific utility that causes its risk to go  
4 down relative to its past. But I think, and I believe  
5 there are statements to this effect in my testimony,  
6 that in general, the industry has been in an  
7 environment of increasing risk, both electric and gas,  
8 in the last five years because we have these major  
9 structural changes in the market, federal initiatives,  
10 driving those technology, driving those -- so I think  
11 that's the environment we've been in of increasing risk  
12 in these industries.

13       Q.       I take it you believe that Avista's  
14 nonregulated businesses are riskier than its regulated  
15 operations?

16       A.       I made that speculation kind of as a  
17 generalization. I wouldn't want to be held to any  
18 specific statement, because within the portfolio of  
19 businesses, there are a lot of different kinds of  
20 businesses, and I think they are changing over time as  
21 the Company changes its focus in these unregulated  
22 businesses, so I didn't do a study of the specific  
23 businesses and haven't found a conclusion as to those.  
24 I just shared with you a general impression.

25       Q.       If you could refer to Page 12 of your

00674

1 testimony, and I'm referring in particular to Lines 22  
2 to 25 where you quote from a Duff and Phelps  
3 publication dated August 13, 1999, that indicates that  
4 it's downgraded Avista's long-term debt from "A" to "A  
5 minus" because of Avista's aggressive growth strategy  
6 that emphasizes the inherently riskier nonregulated  
7 businesses, especially Avista Energy, Incorporated. Is  
8 that your testimony?

9 A. That statement was included in my testimony.  
10 I believe that's a correct rendition of what Duff and  
11 Phelps said.

12 Q. Do you agree with that?

13 A. I agree that that's one of the reasons that  
14 Duff and Phelps stated. They stated others about the  
15 reason they elected to downgrade. I can't tell you  
16 what's in Duff and Phelps mind. I can just tell you  
17 what they reported when they announced the downgrading  
18 of their bond rating for Avista.

19 Q. Then is it your position that Avista's  
20 jurisdictional ratepayers should pay for the higher  
21 cost of debt it will face in the future because of an  
22 aggressive growth strategy?

23 A. I'm not sure there is a necessary linkage  
24 between what the future cost of debt will be and this  
25 particular downgrading. In August of '99, both Duff



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1 and Phelps and Standard and Poor's downgraded Avista.  
2 Standard and Poor's in their downgrading specifically  
3 talked about the lack of a power cost adjustment  
4 mechanism in Washington, so that was a contributing  
5 factor in their mind. That downgrading affected debt  
6 funds that go to both the regulated and unregulated  
7 business, so I don't think you can trace the money and  
8 trace the effect at precisely as your question might  
9 suggest.

10 Q. And downgrading the debt or downgrading the  
11 rating would mean the Company would generally pay  
12 higher to borrow money or more to borrow money; is that  
13 correct?

14 A. It may mean that in the future. It has no  
15 effect on the debt you currently have outstanding, and  
16 its effects on the future depend in part upon the  
17 financial strategy the Company undertakes, the other  
18 kind of security and features it can give to the debt.  
19 I think we can agree that as a general rule, companies  
20 with higher credit ratings borrow more cheaply than  
21 those with lower.

22 Q. You had referred to the absence of a PCA in  
23 Washington. How long has Avista not had one in this  
24 state?

25 A. I don't believe Avista has ever had a PCA in

00676

1 Washington. I believe it asked for one in 1988, and it  
2 was not granted. It has had a power cost adjustment in  
3 Idaho, but I can't speak since 1889, but I'm not aware  
4 of one.

5 Q. Do you know of when Avista got a PCA in its  
6 rates in Idaho?

7 A. I believe it was in 1989. I think Avista  
8 tried to get power cost adjustments in both states at  
9 approximately the same time.

10 Q. I'd like to refer to Exhibit 102, and it is  
11 Schedule 5. In Exhibit 102, you have an Appendix A and  
12 B and C, but before those three appendices, you have a  
13 series of schedules.

14 A. I have it now. 101 is the text of my direct  
15 testimony and 102 are the exhibits.

16 Q. I'm referring to what's marked at the top,  
17 WEA-5, Page 101. In the middle column under the  
18 heading "component costs," the first item is 7.83  
19 percent, and referring over to the left, that's for  
20 debt.

21 A. That is correct.

22 Q. Is that 7.83 percent cost of debt for Avista  
23 as a whole or just its utility operations?

24 A. That is the Avista debt as a whole.

25 Q. Does this figure exclude short-term debt?

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1       A.       The capital structure excludes short-term  
2 debt.

3       Q.       That you used and analyzed here?

4       A.       Yes, it does. The actual calculation of the  
5 cost included the cost of short-term debts, which is  
6 significantly less than long-term debts, so there is a  
7 reduction that results because of the inclusion of  
8 short-term debt and the weighted average debt cost.

9       Q.       Since 1996, has Avista been able to finance  
10 all of its capital requirements for its utility  
11 operations from internal sources of capital?

12      A.       I'm not sure. During this period of time,  
13 Avista has been investing. I think some of the other  
14 witnesses here talked about the increased investment in  
15 gas and electric distribution. Its debt has been  
16 maturing. It has been issuing various issues. It has  
17 a short-term debt program that has none but sometimes  
18 builds up to over 100 million, so the Company has been  
19 active in raising funds and investing funds in both its  
20 unregulated and regulated business.

21      Q.       So what is the answer to the question?

22      A.       The answer is, I don't know, because in the  
23 materials I've seen, I haven't seen anything that  
24 specifically talks about the internal generation of the  
25 utilities versus the raising of funds.

00678

1 Q. So would it be your testimony that Avista  
2 will or won't in the future be able to finance all of  
3 its capital requirements in the future from internal  
4 sources of capital?

5 A. I don't know. First of all, nobody knows  
6 what its capital requirements in the future are, and  
7 secondly, the financing is a Company-wide basis, so  
8 it's hard to source out where the dollars are coming  
9 from and where they are going.

10 Q. Let's refer back to your testimony, T-101.  
11 I'm looking at Page 15. In particular, Lines 407, you  
12 tell us here that effective with the December 1998  
13 payment, Avista reduced its quarterly dividend from 31  
14 cents to 12 cents per share?

15 A. Yes.

16 Q. You suggest that one of the reasons for the  
17 dividend reduction was to due to higher growth  
18 opportunities; correct?

19 A. Yes. That's one of the reasons the Company  
20 stated, and the cutting of the dividend is consistent  
21 with what many utilities are doing to have more funds  
22 available for internal projects and less cash flow out  
23 in payments.

24 Q. So Avista decided to use the funds freed up  
25 by dividend reduction to increase its investment in

00679

1 non-utility endeavors?

2 A. Again, the money was available, and it could  
3 be used for whatever purposes Avista -- at the time,  
4 they were investing more in certainly utility property,  
5 and they were also investing in unregulated activity,  
6 so it's very difficult to trace exactly where the  
7 dollars came from.

8 Generally, when we teach finance, we say  
9 there is the left-hand and the right-hand side of the  
10 balance sheet, and you can't, in general, match the  
11 assets and the liabilities. You assume the liabilities  
12 support the assets as a whole.

13 Q. You are not telling us that the Company used  
14 none of those funds to finance non-utility operations,  
15 are you?

16 A. No. I'm trying to tell you I don't know.  
17 You cannot trace the funds to their particular uses.  
18 They were just available to the Corporation because  
19 fewer of the funds were mailed out to their  
20 shareholders; therefore, they stayed within the Company  
21 and could be used for corporate purposes.

22 Q. Is it your testimony that Avista's cost of  
23 capital is reduced because of the dividend reduction?

24 A. I haven't done a study of the effect of cost  
25 on capital. I think the bond rating agencies look very

00680

1 favorably upon the dividend reduction, and all three  
2 rating agencies commented favorably upon the reduction  
3 because it kept more funds in the business that would  
4 be available to meet the obligation to bond holders.

5         Again, when we teach finances, we talk about  
6 the signaling effect of a dividend reduction or  
7 dividend change that usually the corporation is not  
8 just changing the way it pays its shareholders. It's  
9 also announcing its expectations about its business,  
10 whether it's a higher growth business or lower growth  
11 business; whether they are harvesting the cash out of  
12 the business or they want to reinvest because they  
13 believe the growth prospects are very high, so it's  
14 extremely difficult to just take the fact of a dividend  
15 reduction and say the risk has gone up or down.

16         Sometimes a dividend reduction occurs when a  
17 company is in distress because they are running out of  
18 cash, and then you have the information of the dividend  
19 reduction at the same time the company is telling the  
20 market that we have a real problem here, and so often  
21 times when you have a dividend reduction, you have a  
22 significant drop in price, but it's not solely because  
23 of the dividend reduction. It's because of the  
24 information the investors got about the trouble the  
25 company had.

00681

1 Q. And drop in price, you are referring to stock  
2 price?

3 A. Yes.

4 Q. Around the subject of growth or use of money,  
5 is it your opinion that once deregulating and  
6 restructuring are completed in the electric and gas  
7 utility industries that there will be more faster  
8 growth in kilowatt generation, or the MCF cubic foot  
9 sales will be faster than it was under regulation?

10 A. No. I think that's difficult to know because  
11 there are too many other variables. For the purposes  
12 of my DCF analysis, I assume that the regulated sector  
13 would grow at the approximate rate that the regulated  
14 sector grew earlier in the last decade in the '90's  
15 when utilities generally had about a 3.5 percent  
16 growth. So I think investors are thinking in terms of  
17 earnings that after the transition, the utility side of  
18 business will go back to its long-term trend.

19 Now, the growth in earnings doesn't really  
20 tell you what's happening to kilowatt hour sales or MCF  
21 gas sales because the price could be going up; the  
22 volume could be going down; you could be changing the  
23 way you are delivering the service, so I think it's  
24 very difficult to jump from investors' expectations  
25 about growth to what they expect about kilowatt hour

00682

1 sales or gas consumption.

2 Q. So you are not saying there is a positive or  
3 negative correlation in terms of actual growth in  
4 sales?

5 A. That is correct. I don't think you can use  
6 growth in sales. In fact, that's really why the  
7 two-stage model that the Federal Energy Regulatory  
8 Commission used for awhile that was based on growth in  
9 sales has fallen into disrepute because I think people  
10 realize that investors don't key on sales. They key on  
11 how much goes to the bottom line and how much growth  
12 there is in earnings.

13 Q. Do you believe that Americans will use more  
14 electricity and gas per capita as a result of  
15 deregulation and restructuring?

16 A. No, I don't know, because I think  
17 superimposed upon the change in the structure of the  
18 industry will be the prices of the commodities, the  
19 elasticity as consumers react to higher prices. You  
20 also have technological change that can affect the  
21 amount of usage. For example, distributed generation  
22 may dramatically eliminate the loss due to line  
23 transformation, so you could have less generation,  
24 fewer kilowatt hours generated and more kilowatt hours  
25 delivered to the customers, so I think there are just



00683

1 too many moving parts to say what's going to happen to  
2 usage.

3 Q. Referring to Appendix B of your testimony,  
4 it's within Exhibit 102. Although this is attached as  
5 an exhibit, this is additional testimony; correct?

6 A. This is the nuts and bolts of how I do my  
7 multistage model.

8 Q. So you wanted to give us kind of a more an  
9 abbreviated picture in the first and put the boring  
10 stuff in the appendix.

11 A. That would be of interest to those only who  
12 are caught up in the details.

13 Q. Unfortunately, that's me at the moment.

14 A. Yes. I think that's the nature of the  
15 process, but I thought to segregate out some of the  
16 detailed description from the flow of the testimony.

17 Q. And you have marked the pages in the  
18 appendices with B-1, and I'll refer to them in that  
19 way. On Page B-1 of your testimony, you tell us  
20 here that your multistage DCF Model presumes that  
21 electric utilities operations will ultimately be  
22 separated into regulated distribution and transmission  
23 operations in deregulated generation activities;  
24 correct?

25 A. That's right. They will be in those two

00684

1 segments. I'm not making a statement, and I don't  
2 think investors know whether they will be separated  
3 into different corporations or what, but I think the  
4 business as we know it today will be in two components  
5 that kind of have different economic characteristics.

6 Q. You go on to tell us on that same page that  
7 investors expect the deregulated regulation to be fully  
8 competitive in about 10 years; is that correct?

9 A. Yes.

10 Q. So it's your view that in about 10 years the  
11 electric utility industry will have a regulated segment  
12 with distribution and transmission and a competitive  
13 segment comprised of generation; is that correct?

14 A. I think that's the general view investors  
15 have. Everybody is confused about the future, so all  
16 investors can do when they look into the future is form  
17 reasonable expectations, and my discussions with  
18 investors, and I have a number of quotes from analysts'  
19 reports, I think that captures kind of the consensus  
20 view of what the future will be. You will have these  
21 two kinds of businesses.

22 Q. And this is about 10 years out we are looking  
23 at this point. You are saying this model makes that  
24 presumption.

25 A. That's right. It says we get from where we

00685

1 are today to this future in about 10 years.

2 Q. Then going on on the same page, you state  
3 that the multistage DCF model is based on this  
4 assumption that investors expect each segment to grow  
5 at different rates, and the regulated segment will have  
6 this conventional growth, and the deregulated segment  
7 will have growth expected of a competitive firm.

8 A. That's right. More akin to what we see in  
9 the industrial economy, and this is growth in earnings.  
10 It doesn't speak to revenues or assets. This is the  
11 growth that's relevant, the bottom line, to investors.  
12 What kind of growth can you expect in the earnings of  
13 these businesses.

14 Q. So again, the regulated segment is  
15 transmission and distribution.

16 A. Generally.

17 Q. The deregulated segment you are referring to  
18 is, among other things, generation operations.

19 A. That is correct.

20 Q. What other activities are you including under  
21 the umbrella of the deregulated operations? You use  
22 the term "e.g.," for example, generation on Page 9.  
23 What other things are included in that?

24 A. There are other services that are related to  
25 generation, like providing network security, providing

00686

1 network support, reserves, so the kind of services that  
2 are created by generating plants or similar assets that  
3 most investors' thinking will not be part of the  
4 regulated segment of the business.

5 Q. Is it fair to say that you are using the term  
6 "deregulated" interchangeably with the term  
7 "competitive"?

8 A. Yes. Because I think investors expect that  
9 ultimately there will not be a kind of rate of return  
10 regulation in that part of the business that we have  
11 traditionally seen in utilities. I don't think they  
12 knew exactly what the business will look like, and  
13 there will probably be some governmental involvement in  
14 it, but the earnings will not be limited to return on  
15 rate base the way many utilities are regulated today  
16 and all had been regulated in the past.

17 Q. In terms of your reference, again, to the  
18 "for example generation," are you referring to the type  
19 of nonregulated operations that Avista has, their  
20 Pentzer Corporation? Avista Power would be generation  
21 assuming that the plant is built, but Avista Advantage,  
22 all of these other?

23 A. We don't know, and there will probably be a  
24 variety of corporate structures that will hold  
25 generation. Generation may be a part of a widely

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1 diversified corporation like Wal-Mart or Microsoft. It  
2 may be part of a network type operation like U S West.  
3 It may be associated with an industrial company like  
4 Motorola. I think what we see in the competitive world  
5 is what we will see in this part of the business; that  
6 different entities will try to put together a portfolio  
7 of businesses that make sense for them and create some  
8 kind of a strategic entree.

9 I'm speaking about the generation part of the  
10 business. It may be bundled with communications. It  
11 may be bundled with manufacturing. It may be bundled  
12 with real estate. I think the Avista model of the  
13 other businesses is one of many models we are seeing  
14 around the country.

15 Q. When you refer to the multistage DCF Model,  
16 presuming this separation into the two, does the model  
17 presume that within the nonregulated segment there will  
18 be things like the Avista Communications, Avista Labs,  
19 the Pentzer Corporation?

20 A. It doesn't presume one way or the other.  
21 Right now, the businesses are generally together in  
22 integrated utilities where you have transmission  
23 distribution and generation. There is clearly a  
24 migration of companies who are focusing on one of those  
25 businesses or another and who are also going out and

00688

1 picking up other businesses.

2           What we are trying to do is to get inside the  
3 investors' mind when they buy the stock of these 12  
4 utilities that now are integrated. What are they  
5 looking for in terms of the long-term growth of the  
6 businesses that are in those utilities? When we get  
7 out 10 years, those businesses may be in any number of  
8 corporate organizations, but when we know that  
9 investors pay so much for Peco or so much for Aliant,  
10 we've got to know what they have in their mind in terms  
11 of future growth expectations to implement the DCF  
12 Model, but we don't have to draw a picture of what that  
13 future is because what's relevant for the DCF Model is  
14 only the growth expectations that they build in when  
15 they are willing to pay \$55 for a stock that yields 5.6  
16 percent, what do they expect in the next 10 years to  
17 give them an internal rate of return?

18       Q.     In terms of the growth expectation then, you  
19 are saying for the deregulated segment they would have  
20 higher growth expectations because it's in a  
21 competitive realm?

22       A.     That is correct. If we look at what  
23 investors expect and what their expectations are, their  
24 expectations for growth in the competitive sector is  
25 generally about 10 percent. Their expectation of

00689

1 growth in the regulated sector is more like  
2 three-and-a-half percent. So if we have a business  
3 that has both together, we have to give some weight to  
4 both types of growth.

5 Q. Within the competitive segment then, are you  
6 saying investors are expecting more than just  
7 generation to be within that segment of competitive  
8 activities?

9 A. They probably do, but for purposes of  
10 modeling their behavior with the DCF, we don't have to  
11 know what they expect other than the bottom line in  
12 terms of the growth they expect, and I think what they  
13 expect is that the businesses that own generation will  
14 look a lot like the businesses that own other  
15 competitive firms, and the growth expectations will be  
16 in line, so all we are saying is the growth  
17 expectations will be similar to what they now expect  
18 for competitive businesses, and that's consistent with  
19 the discussions that I quote from investment analysts  
20 of how they are telling investors to look at this  
21 industry now.

22 Q. If generation were the only competitive  
23 activity, are you saying that investors would expect  
24 that to grow at the 10-percent rate?

25 A. I will answer your question yes, but let me

00690

1 explain the context in which I have to answer it, and  
2 that is if investors thought there would be the  
3 generation company that would be in the generation  
4 business, the generation business alone, I think they  
5 would expect that company to have to have growth about  
6 10 percent to justify it competing with funds from  
7 investors in other competitive businesses, because  
8 investors can invest in the generation company or the  
9 aluminum company or the forest products company, and if  
10 they think the risks were approximately the same amount  
11 for the same amount of investment, they would expect to  
12 see the same amount growth.

13 Q. When you refer to growth in the deregulated  
14 segment, are you talking about growth in earnings per  
15 share or dividends per share or both?

16 A. Growth in both, because as I mentioned in the  
17 testimony, under the DCF paradigm, when you get to the  
18 steady state and constant growth, both dividends and  
19 earnings are growing at the same rate. That's an  
20 assumption of model, and I think if you look at the  
21 long stretch of history, looking back, that's a pretty  
22 accurate representation of what happens over the very  
23 long run for most companies. It's certainly what  
24 happened for the utility industry before we began this  
25 transition.



00691

1 Q. As I understand it, you believe the long-term  
2 earnings per share and dividends per share of growth in  
3 deregulated segment and the regulated segment will be  
4 three-and-a-half percent per year.

5 A. That's right. The regulated sector will be  
6 three-and-a-half percent. That's what investors will  
7 expect on those kinds of businesses.

8 Q. And that will be 10.4 for the competitive  
9 segment?

10 A. That is correct. In thinking about these  
11 businesses, they will say that the regulated wires  
12 business and the delivery business is one of those that  
13 has a high dividend and low growth. The generation  
14 business is like competitive businesses that have low  
15 dividend and high growth.

16 Q. In your Exhibit B on Page 5, you go on to  
17 give a weighting to these, and you give a 50-percent  
18 weight to the three-and-a-half percent growth rate in  
19 the regulated segment and a 50-percent weight to the  
20 10.4 percent competitive segment growth rate to come up  
21 with an average of 6.95; is that correct?

22 A. That is correct.

23 Q. And you later rounded that to seven percent?

24 A. That is correct.

25 Q. So on Page B-5, you tell us the fifty-fifty

00692

1 weighting scheme reflects investors' widespread belief  
2 that generating assets comprise at least one half of  
3 the electric utilities' total assets.

4 A. Yes, and I document that with quotes from  
5 various investment analysts.

6 Q. If quotes from investment analysts -- you  
7 haven't done a survey of investors' beliefs in this  
8 regard, have you?

9 A. No. I try to follow the literature that  
10 investors look at, which are the reports by AIMR and  
11 Value Line and other investment analysts, and I often  
12 talk to investment analysts, and I think it is  
13 representative of the consensus that the business is  
14 about fifty-fifty. You might find an investor that  
15 says 70/30, and you might find one that says 40/60, but  
16 I think the expectation that's driving the market is  
17 approximately fifty-fifty.

18 Q. In the article that you quote on that page,  
19 isn't it true that the author states that generation  
20 currently accounts for about 59 percent of the book  
21 value of investor-owned utilities and about 70 percent  
22 of revenue?

23 A. Yes.

24 Q. That quote doesn't say anything about  
25 investor beliefs, does it?

00693

1 A. No. That's that particular analyst telling  
2 investors how the analysts look at the industry, and  
3 that one says 59 percent. There are others that have  
4 different percentages. I thought that kind of the  
5 representative number would be the fifty-fifty.

6 Q. You haven't made any study of expectations  
7 regarding the proportion of assets investors believe  
8 any of the 12 utilities you studied will have that will  
9 be devoted to regulated versus competitive operations,  
10 have you?

11 A. No. The study I've made is to look at the  
12 literature investment looked at. I've talked to a lot  
13 of investment analysts who either buy securities for  
14 investors that work for mutual funds or banks. I also  
15 talked to sale-side analysts who help investors make  
16 decisions and help their company sell securities to  
17 analysts.

18 My belief is this fifty-fifty is pretty much  
19 a benchmark that investors who look at the business  
20 have in their minds. I might add that this particular  
21 model was first developed in the Public Utility  
22 Commission of Texas by the staff, and they use  
23 fifty-fifty, and I saw no reason to deviate from it.

24 Q. Do you know when they developed that?

25 A. I think they developed it in the mid '90's

00694

1 probably, 95 or '96.

2 Q. Going back to your direct testimony, T-101,  
3 and I'm looking at Page 9, you show on that page, don't  
4 you, that in 1998, 62 percent of Avista's total assets  
5 were utility related?

6 A. That is correct.

7 Q. What's the corresponding average percentage  
8 for the group of 12 utilities on which you performed  
9 the DCF cost of equity analysis?

10 A. I think that's part of the request that you  
11 made earlier that I calculate, but let me make sure the  
12 record is clear. This is as to the utility, which  
13 would include both distribution transmission and  
14 generation, so in the utility bucket are all the  
15 businesses that we were talking about earlier in the B  
16 Appendix.

17 Q. One of the criteria that you used to select  
18 your group of 12 utilities was that at least 80 percent  
19 of their total revenues were accounted for by utility  
20 revenues; is that correct?

21 A. That is correct.

22 Q. For each of the 12 utilities you reviewed,  
23 your multistage DCF analysis assumes that every one of  
24 them will achieve a 10.4 percent earnings per share  
25 dividend per share growth in their competitive segments

00695

1 beyond 2008.

2 A. That is correct, because my belief was that  
3 as investors look over the horizon to the very long  
4 term that the individual differences in the utilities  
5 blur and they kind of look at industry averages, so  
6 they converge to 3.5 for the regulated segment of the  
7 industry and the 10.4 for the nonregulated.

8 Q. So they will all have the same earnings per  
9 share in 2008?

10 A. The same growth rate. In my model, I  
11 actually track how the earnings per share will change  
12 from now, use the Value Line explicit forecast that  
13 they make in the Value Line sheet and then have a  
14 transition period, and then we have the equilibrium 10  
15 years out, so it's key to the earnings of each  
16 particular company, but as to the growth rate of that  
17 company, we assume convergence to these industry  
18 averages.

19 Q. So it's your testimony that as we speak,  
20 we've got investors in these 12 utilities, and they are  
21 paying the price they are for the common stock on the  
22 expectation that after 2008, then the utility will have  
23 a 10.4 percent growth in earnings per share on its  
24 competitive operations, and that those operations will  
25 account for fifty percent of the total assets of the

00696

1 company.

2 A. Right. I think that is a representation of  
3 what investors -- there are a thousand stories in the  
4 night. Each investor has their own belief. Many  
5 investors think they are going to make a lot more  
6 money, have different growth expectations. Others are  
7 less sanguine.

8 What we are trying to do in the DCF model is  
9 take market information and try to infer from the price  
10 we can observe, which is the only thing we can observe  
11 in the market is what people actually pay, but we are  
12 trying to back into, given reasonable beliefs about  
13 what they believe, what they must have expected as a  
14 return when they paid that particular price in the  
15 marketplace.

16 Q. I notice one of the criteria you used in  
17 selecting the group of 12 utilities is that they had  
18 gas operations as well as electric.

19 A. That is correct.

20 Q. What is the counterpart in the gas  
21 distribution business to electric generation assets  
22 that you say will be categorized as competitive assets?

23 A. I think those will be transmission assets in  
24 the gas industry, gathering assets, assets that are not  
25 part of the local distribution company.

00697

1 Q. So would it be fair to say that virtually all  
2 the gas operations of a combination utility, such as  
3 the one you studied, will remain regulated or not?

4 A. Most of the gas operations will remain  
5 regulated in terms of the investment for most  
6 utilities. Most gas utilities are pretty much now  
7 focused on -- their investment is in the distribution  
8 part of the business. Many like Avista have some  
9 transmission involvement.

10 I think one of the realities about the  
11 relative capital intensity is that the electric  
12 business generally requires a lot more investment to  
13 serve a customer than the gas industry does, so if you  
14 have a combination utility, my experience is that you  
15 will find most of the investment on the electric side.  
16 I think that's the case for Avista here in Washington,  
17 and that's pretty much my experience throughout the  
18 country. So when we talk about assets, we are  
19 generally talking about the electric assets.

20 Q. Have you made any study about what percentage  
21 of total utility assets investors in combination  
22 electric and gas utilities believe will be accounted  
23 for by electric transmission and distribution assets  
24 plus gas distribution plants?

25 A. I have not made a study other than what I've

00698

1 reported here. I think investors in looking at  
2 combination companies, just like pure play electric,  
3 they generally look at this fifty-fifty split because  
4 they don't look at whether you have a gas operation or  
5 not as having a material impact on the fifty-fifty  
6 split that they use for looking into the future.

7 Q. So the expectation referred to as the  
8 fifty-fifty split would be that assets include both the  
9 gas and electric utility assets.

10 A. That is correct. But it's largely driven by  
11 the electric assets.

12 JUDGE SCHAER: Ms. Tennyson, are you coming  
13 to a point where it would be a good time to break?

14 MS. TENNYSON: Yes, this would be a good time  
15 to break.

16 JUDGE SCHAER: Let's take our morning recess  
17 at this time. Please be back at no later than eleven  
18 o'clock by the clock in this room. We are off the  
19 record.

20 (Recess.)

21 JUDGE SCHAER: Let's be back on the record  
22 after our morning recess. Did you have more questions  
23 for this witness, Ms. Tennyson?

24 MS. TENNYSON: Yes, I do.

25 Q. (By Ms. Tennyson) Dr. Avera, could you refer



00699

1 to your Appendix B once again, which is part of Exhibit  
2 102, and I'm looking at Page B-4. You derived the 10.4  
3 percent per year earnings per share growth rate that  
4 you applied to the competitive segment from two  
5 different sources, didn't you?

6 A. That is correct.

7 Q. And those were the S and P 500 index, and the  
8 second is Value Line's industrial composite, which you  
9 say consists of 875 industrial retail and  
10 transportation companies; correct?

11 A. That is correct, and the sources of the  
12 growth rate were from two different sources. For the  
13 S and P, it was the IBES estimate, and for Value Line,  
14 I used the Value Line estimates.

15 Q. And IBES is, for the record, Institutional  
16 Brokers Estimate Service?

17 A. That is correct.

18 Q. I'd like to refer you to Exhibit 103, which  
19 is one of our cross-examination exhibits. My question  
20 is, is this what you are looking at in the Value Line  
21 industrial composite?

22 A. Yes, it is.

23 Q. And these are pages taken from your work  
24 papers?

25 A. Yes.

00700

1 Q. You also tell us that the IBES growth rates  
2 published in the S and P earnings guide for July 1999  
3 you applied an average growth of the S and P 500 of  
4 13.3 percent over the next five years; is that right?

5 A. That's correct.

6 Q. When does this next five years end? What's  
7 five years from the time they are making that  
8 prediction?

9 A. IBES surveys security analysts, and say,  
10 among other questions, what do you think the growth  
11 will be for the next five years, so presumably, the  
12 analysts mean five years from what they surveyed, so if  
13 they were surveyed in July of '99, they are projecting  
14 out five years from that date, so it would be 2000,  
15 2001, 2002, 2003, 2004.

16 Q. That's not 2008; correct?

17 A. No, it's not 2008.

18 Q. So you wouldn't characterize this 13.3  
19 percent five-year IBES growth projections as a  
20 long-term growth expectation, would you?

21 A. It's as long as we've got. It's the longest  
22 term that is regularly published or surveyed, so the  
23 analysts, that's as far out they go is five years, so  
24 five years is not long-term. It's certainly not  
25 long-term in the DCF world, which is infinity, so five

00701

1 years, I hope, is not infiniti.

2 Q. I think we all hope that. The  
3 seven-and-a-half-percent projection that Value Line  
4 made, now, that was for the period 1996 to 1998,  
5 projecting forward to 2002 to 2004; isn't that true?

6 A. That's correct. The Value Line paradigm is  
7 they kind of have a fuzzy beginning and a fuzzy end, so  
8 it's anywhere from three to five years.

9 Q. Would you characterize that as a long-term  
10 earnings growth projection?

11 A. No. But it is as long as you can possibly  
12 get from the Value Line service. That's as far out as  
13 Value Line goes.

14 Q. You got your 10.4 percent growth rate by  
15 averaging the 7.5 percent and the 13.3 percent; is that  
16 correct?

17 A. That is correct.

18 Q. You would agree, wouldn't you, that making  
19 long-term earnings per share growth projection based on  
20 short-term experience can be dangerous.

21 A. I think it can be dangerous, but I think in  
22 the absence of any information to the contrary, my  
23 experience is most investors think the world will  
24 continue for as far out as they can think they can  
25 look, but if you think there is a dramatic difference,

00702

1 as we think with the electric utility industry, I think  
2 you ought to try to dial in what you know about their  
3 over-the-horizon expectations.

4 Q. I gather you didn't rely on the longer-term  
5 historical growth and earnings per share for the S and  
6 P 500 index as a basis for making earnings growth  
7 projections; is that correct?

8 A. No. Because I wanted to use the expectations  
9 that investors have, and while investors know history  
10 and look at history, their future really incorporates  
11 both their knowledge of history and their beliefs about  
12 all the other dynamics that will be impacting in the  
13 future.

14 Q. Would you agree that our economy has been in  
15 expansion mode for the last nine years or so?

16 A. Yes, it has. There have been a few bumps  
17 along the road, but as some of the politicians remind  
18 us, it has been an incredible run.

19 Q. Do you think the rate of recent earnings per  
20 share growth is indicative of the long-term future?

21 A. If we look out in the history, there will be  
22 better times and there will be worse times. I think we  
23 are not really looking at today's earnings growth.  
24 What we are asking investors to tell us and what Value  
25 Line is telling its subscribers is what they think as

00703

1 they look out in their crystal ball as to the future.

2 Q. Would you agree that there is a large  
3 variation in the historical earnings per share growth  
4 among the different companies in the S and P 500?

5 A. Absolutely. There are winners and losers.

6 Q. There is many different industries within the  
7 S and P 500 group; correct?

8 A. Yes.

9 Q. What studies have you made or relied on to  
10 support your view that the competitive segment of the  
11 12 utilities studied will, for the long-term future,  
12 enjoy a growth rate equal to the average of projections  
13 made by combining the S and P 500 and Value Line?

14 A. The studies are the ones I mentioned in my  
15 Exhibit 101 and this 102, which is what analysts say  
16 about how they view the industry and when they advise  
17 investors as to how they should view the industry; that  
18 the generation part will look a lot like the rest of  
19 the competitive sector, and the regulated part will  
20 look a lot like the classic utility, in terms of its  
21 growth expectations.

22 Q. So if the analysts are wrong, this whole  
23 projection falls apart; right?

24 A. One thing we can agree on, and Dr. Lorito, we  
25 can agree on, the analysts will be wrong. Nobody can

00704

1 predict the future, but I think this is the best they  
2 can know about the future, and that's all they can do  
3 when they plop their money down to buy stocks is rely  
4 on these estimates.

5 Q. In selecting utilities to use to determine  
6 the cost of equity for Avista's regulated operations,  
7 why didn't you select companies that already show a  
8 significant amount of diversification, such as Avista  
9 has?

10 A. Looking for the lost keys where there isn't a  
11 light bulb. It's very difficult in these companies  
12 that are already in the transition and have diversified  
13 their operations to look at the whole and try to infer  
14 what the part is, what the utility part, which is what  
15 this Commission has to decide a fair rate of return on.

16 So instead of looking at other companies that  
17 are well along the path of diversifying, we tried to  
18 pick a group of utilities that are still in the  
19 relatively pure play state, where the predominant part  
20 of their business is electric and gas service. So we  
21 try to look at a sector of the industry that still is  
22 relatively pure and use that as the benchmark for the  
23 cost of equity, and ultimately, the cost of capital to  
24 the pure utility part of Avista's operations in  
25 Washington.

00705

1 Q. Have you made any studies or have you  
2 reviewed any studies that examine the question of  
3 whether the common equity ratio of electric and  
4 combination electric and gas utilities increases as the  
5 percentage of its revenues or assets or net income  
6 decreases?

7 A. I have a little bit of difficulty -- the  
8 study I presume in my testimony is to show that the  
9 equity ratios of the industry and these pure play  
10 participants in the industry has been relatively  
11 stable. If there is any trend, it's slightly more  
12 towards equity, but this is as to the pure play  
13 companies. I don't remember doing any analysis that  
14 relates the equity structure as to the corporate  
15 performance, which I think was the thrust of what you  
16 were asking me, wasn't it?

17 Q. What I'm looking for is if as a company  
18 diversifies out of its utility operations, have you  
19 done any study of whether its equity rises or falls, of  
20 equity ratio rises or falls?

21 A. No. I think we could look at particular  
22 companies, and I think they go all over the map,  
23 because one of the things -- if you are very successful  
24 and you generate a lot of earnings and you are not  
25 paying out much in dividends, it follows that your

00706

1 equity ratio will increase, but there are those  
2 stories, and then there are stories of people who  
3 experience losses and the equity ratio declines, but I  
4 have not done an attempt to try to correlate a  
5 subsequent performance with the equity ratio.

6 Q. Thank you. Could you turn to your Schedule  
7 3, which is part of Exhibit 102. On Pages 2 and 3 of  
8 that schedule -- or 2 through 4, actually -- you show  
9 for 1999 different payout ratios for the 12 utilities.  
10 These are the 12 utilities you used as proxies or  
11 examples; correct?

12 A. That is correct. This is basically a  
13 printout of the computer algorithm we went through to  
14 calculate the implied cost of equity.

15 Q. The payout ratios, that would be in the  
16 column "P/O" for each of these?

17 A. That is correct.

18 Q. And for the year 1999, there is different  
19 payout ratios for all 12. Some are above 60 percent  
20 and some are below 60; is that correct?

21 A. That is correct.

22 Q. But for 2008, all of them you studied have  
23 the same 60-percent payout ratio. Could you tell us  
24 why that is?

25 A. That is correct. We assume kind of once you



00707

1 get out to the distant future, what the investors  
2 expect is a convergence of both the growth rates and  
3 financial policies to an average of these two  
4 businesses, so the payout ratio will be the average of  
5 the high payout ratio for utilities and the low payout  
6 ratio for competitive firms, and the average of those  
7 two is 60 percent.

8 Q. So they will have the same projected earnings  
9 per share and earnings per share growth rate as well as  
10 seven percent?

11 A. That is correct. And again, that is the DCF  
12 world. In the DCF paradigm, the dividends and earnings  
13 all grow at the same rate, and the payout ratio is  
14 expected to be constant through infinity.

15 Q. So we hit 2008 and then every year there is  
16 the same growth.

17 A. That's what investors expect. Now, investors  
18 know, and the reason there is risk is that some  
19 companies will do good, and they will have higher  
20 earnings, and to maintain their dividend, the payout  
21 ratio will actually go down. Other companies will have  
22 bad years, and their payout ratio will go up, but when  
23 we are looking out to the distant future, investors  
24 have to model kind of a steady-state world. That's  
25 what the text books say in the DCF Model, and that's

00708

1 what we've done here.

2 Q. Value Line didn't indicate that in 2008 all  
3 12 utilities will have a 60-percent payout ratio, did  
4 it?

5 A. No. What we used was the actual Value Line's  
6 numbers for as far as they went, so the numbers on this  
7 page, where Value Line told us what they thought the  
8 EPS was going to be and what they thought the dividend  
9 was going to be, there is an applied payout ratio, and  
10 that's what appears here.

11 Then after we run out of the cover that Value  
12 Line gives us in terms of the projections, then we  
13 interpolate that all of the companies will converge  
14 towards this steady state, so those that are below 60  
15 percent will go up, and you can see them stepping up,  
16 and those that are above 60 percent will step down.

17 Q. Have you made any assumption as to whether  
18 each of the 12 utilities you selected for study will  
19 have the same earned return on equity beyond 2008?

20 A. No. There is an assumption that it will be  
21 constant whatever it is because if it weren't constant,  
22 you couldn't have earnings growth and dividend growth,  
23 but we assume that the utilities will go from where  
24 they are today to where they are in 2014 in order to  
25 achieve this steady state, so the return on equity will

00709

1 be whatever it has to be to reach this steady state.

2 Q. Will they have the same earned return on  
3 equity beyond 2008 or won't they?

4 A. They will not necessarily have the same  
5 earned return on equity. It will be whatever it is to  
6 maintain that steady state. I believe the math would  
7 probably work out that whatever the DCF return is in  
8 that future, there is a dividend over  $K$  minus  $G$   
9 assumption that leads to the price. You can back out  
10 into the applied  $K$  in that terminal state for each  
11 company. I have not done that, but there is implicit a  
12 return on equity in there if you assume that there is a  
13 fixed market book ratio, but I haven't done that  
14 calculation, but it is imbedded in the mathematics.

15 Q. You are not saying they would each have the  
16 same. There could be variance between them.

17 A. Yes.

18 Q. Turning to the next schedule, your Schedule  
19 WEA-4, in this, you show the implied dividend yield for  
20 each of the 12 utilities in 1999; is that correct?

21 A. That is correct.

22 Q. The highest dividend yield is eight percent  
23 for Puget and lowest is 2.4 percent for Peco; is that  
24 correct?

25 A. That's correct.

00710

1 Q. And that's a spread of 5.6 percent or 560  
2 basis points?

3 A. Yes.

4 Q. According to your multistage DCF, by 2008,  
5 the dividend yields for these two companies are 4.82  
6 percent for Puget and 3.97 percent for Peco; is that  
7 correct?

8 A. If you make an assumption about price, there  
9 is an implied dividend yield in there, but dividend  
10 yield is dividend divided by price, and the only price  
11 that appears in the model is the terminal price, the  
12 price in 2008.

13 Q. And don't you have that in Schedule WEA-3?

14 A. We have the 2008 price, but I thought you  
15 asked me 2004.

16 Q. No, 2008.

17 A. In 2008, there is an implied dividend yield.

18 Q. If you multiply that, the price, by the seven  
19 percent growth, you come up with the numbers I gave you  
20 for Puget, 4.82 percent, and Peco was 3.97 percent?

21 A. Subject to check. There is an implicit  
22 dividend yield because we have the price in the  
23 dividend. In your calculation, we were given the 2008  
24 dividend, so we would be looking out. The dividend  
25 yield is the dividend in the coming year.

00711

1 Q. So dividends per share times the growth rate  
2 divided by the stock price.

3 A. Right.

4 Q. This difference between Puget and Peco, 4.82  
5 percent and 3.97 percent, is just a difference of 85  
6 basis points; correct?

7 A. Right.

8 Q. We've got here by 2008 these companies you've  
9 indicated they are the same growth rate?

10 A. They are converging.

11 Q. They are like clones. Would that be a fair  
12 characterization?

13 A. Clones. I would say there is a convergence  
14 that what investors expect that any particular  
15 differences in their dividend payout and their relative  
16 performance will converge to kind of they will march to  
17 the same drummer in the long-term future. Again,  
18 investors know in truth there will be surprises out  
19 there, but when you are trying to guess how they are  
20 going to do, the best guess that investors can do is  
21 they will converge the industry average.

22 Q. In order to derive the implied cost of equity  
23 for each of the 12 utilities that you've got in your  
24 Schedule 3, you had to go through an iteration process,  
25 didn't you?

00712

1       A.       That's right. That's how you get an internal  
2 rate of return.

3       Q.       What do you need to have in order to do  
4 solution by iteration?

5       A.       You need to tell the computer, and some have  
6 built in and some you tell, to try different discount  
7 rates until they find the discount rate that will make  
8 the present value of the cash flows exactly equal to  
9 the price investors have paid for the stock.

10       So we are trying to balance the present value  
11 of the stream of cash payments, the dividend plus the  
12 terminal price. That is exactly equal to what  
13 investors are paying in the marketplace for the stock,  
14 and that's implicitly the rate of return they think  
15 they will get when they pay \$23 for Puget Sound Energy  
16 stock and they get this cash flow. That's a realized  
17 return of 11.8 percent.

18       Q.       So you really need to have a computer to do  
19 that, or it would take you forever; right?

20       A.       Right. One of the big differences between  
21 going through graduate school today and when I went  
22 through in the 1960's, I spent a lot of time doing  
23 these kind of calculations.

24       Q.       I have the same difference between a  
25 calculator I bought when I was in college and the one

00713

1 my daughter has. I can't even work hers now. I notice  
2 that nowhere in your testimony do you discuss the  
3 current rate of return on common equity being earned by  
4 the 12 proxy utilities that are current market to book  
5 ratio --

6 JUDGE SCHAER: Off the record for a moment.  
7 (Discussion off the record.)

8 JUDGE SCHAER: Go ahead, please,  
9 Ms. Tennyson.

10 Q. (By Ms. Tennyson) Nowhere in your testimony  
11 have you discussed the current rate of return on common  
12 equity being earned by your 12 proxy utilities in the  
13 current market to book ratio. Could you tell us why  
14 you are not interested in these financial parameters?

15 A. They are reflected on Value Line sheets, and  
16 they are implicit in some of the numbers, but what we  
17 are trying to do is replicate an investor's decision  
18 making. When the investor pays the current price for  
19 the stock, what cash flows the investor expects to get,  
20 then we can figure out by iteration, happily with the  
21 computer, what present rate of return will bring those  
22 cash flows back to the same present value as the price  
23 paid, and that return that the investor expects to get  
24 when they buy the stock today, we say is the required  
25 return or cost of equity because it is based on an

00714

1 actual market transaction using actual real dollars  
2 where an investor bellied up and paid this amount of  
3 money for these future cash flows.

4           So we are getting into the investor's head of  
5 what the investor sees. When an investor buys stock,  
6 the investor does not get the rate of return the  
7 company earns on equity. The investor does not get the  
8 earnings of the firm. The only thing the investor gets  
9 is the dividends that come in the mail and whatever  
10 they are able to sell out of that stock for at some  
11 future date.

12       Q.     Referring back again to your testimony,  
13 Exhibit 101. Now I'm looking at Page 51. In your  
14 testimony here, you indicate, don't you, that given  
15 your opinion based on your application of the DCF  
16 approach, the cost of equity for Avista's  
17 jurisdictional operation is 10.9 percent to 11.9  
18 percent, and given the 5.6 percent current dividend  
19 yield that the implied long-term earnings per share  
20 growth rate for your group of 12 utilities is in the  
21 range of 5.3 to 6.3 percent. Is that your testimony?

22       A.     That's correct.

23       Q.     Can you point to any period of time five  
24 years or longer over the last 40 years during which  
25 earnings per share for the Moodys electric utility



00715

1 group or the S and P electric utility group grew at  
2 five percent per year or more?

3 A. For the entire group?

4 Q. Yes.

5 A. In the past, I don't know of any, but I do  
6 have in my testimony a graph that shows the increasing  
7 expectation of growth, and I think what investors  
8 expect is after the transition as we go through the  
9 transition, the pace of earnings growth will generally  
10 increase, and that's what we are seeing in the IBES  
11 growth rates as illustrated on Page 45 of Exhibit 101.

12 Q. Those are expectations, not history; correct?

13 A. Those are expectations, but that's what  
14 investors are looking at when they buy today's stock.  
15 When you buy stock, you don't get history. The only  
16 thing you get is what happens to the business from this  
17 day forward and the growth and dividends and the  
18 ultimate growth in stock price from today on. So  
19 investors, the history is prologue, but what really  
20 counts, where the rubber meets the road, is what an  
21 investor is going to receive once they come on board  
22 the stock.

23 Q. You say the investors don't use the history  
24 to make their projections?

25 A. I said exactly the opposite. They do use

00716

1 history to make their projections, but they look at  
2 what they expect in the future. A definite trend that  
3 we see in the utility industry is in olden times, most  
4 of the return came from dividend yield, and the growth  
5 rate we were arguing about in these cases was whether  
6 it was 2 percent or two-and-a-half percent or  
7 one-and-a-half percent.

8           We are now in a position where investors only  
9 get about 5.6 percent of their return up front in  
10 dividend, and we are arguing about whether the growth  
11 is four or five or six percent, so that shift from how  
12 much investors get in dividends from how much is in  
13 growth is clearly evidence in historical record, and I  
14 believe that the selection and opinion Value Line  
15 discussion talks about that change.

16       Q.       When you are talking about investors, you are  
17 really talking about the analysts that have done these  
18 studies; correct?

19       A.       The analysts are trying to help investors buy  
20 stock. The people that are buying the stock are  
21 investors. They are the ones that are putting today's  
22 dollars out of their bank account and hoping that those  
23 future dividends and future capital gain will justify  
24 giving up today's dollars, so we are trying to look at  
25 the investors' behavior, because who we want to be fair

00717

1 to is the investors who invested in utility operations  
2 in this state, so we are looking at the world from  
3 investors' perspective. The way we try to understand  
4 what investors are doing is by looking to those  
5 analysts and those investment services like Value Line  
6 that try to help investors make these decisions.

7 Q. In your answer to two or three questions ago  
8 you said, "after the transition," so you are referring  
9 to after there has been this separation between  
10 regulated and deregulated operations?

11 A. That is correct. The institutional framework  
12 and the way the industry will operate has settled into  
13 a steady state. Again, no industry ever gets into a  
14 steady state, but in the assumptions of the DCF Model,  
15 you reach where investors are looking at the future in  
16 a more stationary way than they are now.

17 Q. Regarding your reasons for choosing each of  
18 the 12 utilities you analyzed, did you choose them  
19 because you believe their risk profile matched that of  
20 Avista's jurisdictional utility operations versus total  
21 operations?

22 A. Yes. That was my belief, so that's why I use  
23 the criteria that I set out to identify utilities that  
24 are more pure play than Avista but are similar in terms  
25 of their risk in business.

00718

1 Q. Would it be your opinion that if you had  
2 selected utilities with larger nonregulated operations  
3 that the cost of equity of the group would be higher  
4 than that of the group of 12 you selected?

5 A. Let me just say this: I suspect the risk  
6 would probably be greater. The more you get away from  
7 utilities, the harder it is to measure the cost of  
8 equity, because the less of the return that is in the  
9 observable dividend yield and the more that's in this  
10 growth rate of where analysts here and elsewhere  
11 generally have very different views of what the growth  
12 rate is that's appropriate in investor decision making.

13 So it's harder. I think we can agree on  
14 first, it is harder to measure the cost of equity to  
15 non-utility firms than utility firms. It's hard enough  
16 for utilities. That's why I'm going to be here all  
17 day, but it's much harder for non-utilities, so I don't  
18 know what I would find if I tried to do it, but I  
19 suspect it would be less risk and more risk, and I  
20 suspect if you could do a really good job, you would  
21 probably get somewhat higher cost of equity.

22 Q. Is it your testimony that currently,  
23 investors are expecting each of these 12 utilities that  
24 you analyzed to continue to have a risk profile similar  
25 to Avista's regulated operations?

00719

1       A.       I think at present, they probably do. They  
2 know these companies will probably diversify and go  
3 into new businesses, but at that time, the price will  
4 adjust and their expectations will adjust to the new  
5 world. The best they can do now is look at the  
6 businesses they are buying and what their expectations  
7 are for those businesses.

8       Q.       So are you saying that currently, the  
9 investors are expecting each of these 12 utilities to  
10 continue to have minimal competitive operations, or  
11 what expectations?

12       A.       Generally, they are buying into the asset mix  
13 that's currently in the company, which is the mix of  
14 utility operations, the wires, and the generation, and  
15 that's their best expectation of the future knowing  
16 there will probably be some broadening, but I think  
17 that makes a material difference to their expectations.

18       Q.       I'd like to refer at this point to your  
19 Appendix C, which is part of Exhibit 102. It may be  
20 easiest to start and go backwards. It's the last  
21 document under 102. The first page is headed "Appendix  
22 C, application of risk premium approach."

23               Dr. Avera, regarding your risk premium  
24 approach, starting at Page C-2, Line 23 and carrying  
25 over to C-3, here you tell us, don't you, that the

00720

1 magnitude of the equity risk premiums are not constant.  
2 They tend to move inversely to interest rates; is that  
3 correct?

4 A. Yes. That is the state of evidence in terms  
5 of empirical studies that have been done to track the  
6 movement of equity risk premiums over time.

7 Q. You indicate that when implementing the risk  
8 premium approach, adjustments may be required to  
9 reflect the inverse relationship between risk premiums  
10 and interest rates if present interest rate levels have  
11 changed since the time the equity risk premiums were  
12 estimated; is that correct?

13 A. That is correct.

14 Q. I'd like a little clarification of what you  
15 are saying. I'm sure you would agree that if you are  
16 measuring equity risk premiums over a reasonably long  
17 period of time that it's likely that interest rates  
18 have changed over the period of the study.

19 A. Yes. Also in this appendix, I talk about  
20 three ways of estimating equity risk premiums. You can  
21 survey. You can ask investors what they are expecting  
22 when they pay this for a bond as opposed to how much  
23 more you have to get them to move to the risk of common  
24 stock, how much extra pay they need for the risk. You  
25 can do mechanistic estimates where you are trying to do

00721

1 expectational models, like the DCF. In those two, you  
2 are taking snapshot looks at the risk premium, and if  
3 you are going to take that data and apply it to another  
4 period of time where the general level of interest  
5 rates is higher or lower, you need to make these  
6 adjustments.

7         There is a third way, and the third way is  
8 the historical approach where you look over a long  
9 period of time and say, People who bought bonds earned  
10 this, and people who bought stock earned this, so their  
11 experience is that the bond holders got this much less  
12 than the stockholder. If you use that approach, you  
13 are assuming that there is a stable relationship over  
14 time so there is no way to adjust.

15         Q.       Let's use an example. Suppose you measure  
16 the equity risk premium each year from Point A to Point  
17 B, and let's say the average risk premium is five  
18 percent over that period.

19         A.       You can't really measure the risk premium  
20 because the whole problem, and the reason we have to do  
21 all of this stuff is we can't observe the return on  
22 equity, what investors require. We can only observe  
23 things like what price they pay for the stock, what  
24 dividends they receive.

25                 The risk premium estimate, we can observe

00722

1 what bonds are paying, what their yield is, and if we  
2 somehow estimate what we think the equity return is, we  
3 can estimate the risk premium, and the two ways is we  
4 can ask folks what are you expecting to earn on your  
5 common stock, or we can go through something like a DCF  
6 to infer what we think they are going to earn, so we  
7 are not measuring risk premiums. We are estimating  
8 risk premiums over a particular period of time.

9 Q. So you want me to use the term "estimate"  
10 instead of "measure"?

11 A. I think it's very important because if you  
12 don't make that distinction, we lose the important  
13 truth that we are trying to measure something we can't  
14 observe. It's impossible.

15 Q. So suppose you estimate the equity risk  
16 premiums each year from Point A to Point B, and let's  
17 use the average risk premiums five percent over the  
18 period.

19 A. Over a period of time, yes.

20 Q. During that period from Point A to Point B,  
21 let's assume the average annual interest rate was  
22 eight percent?

23 A. You've got five percent, eight percent  
24 interest rate, so our return on equity was 13 during  
25 that period of time.



00723

1 Q. Finally, suppose that current interest rates  
2 are only four percent as opposed to that eight percent.  
3 In this hypothetical world, would it be necessary --  
4 you need to take notes, that's okay.

5 A. I want to make sure I have your hypothetical  
6 in mind.

7 Q. In this hypothetical world where current  
8 interest rates are now four percent, would it be  
9 necessary to adjust upward the five percent average  
10 equity risk premium because current interest rates are  
11 well below their eight percent average?

12 A. Yes. All the evidence is that as interest  
13 rates trend down that the split between interest rates  
14 and equity returns goes up. Now, equity returns go  
15 down with interest rates. They just trail. They are a  
16 lag behind the moving interest rates, so the difference  
17 would increase.

18 Q. So if the converse were true; that is, if  
19 current interest rates were, say, 10 percent, so above  
20 the eight percent we started with, then would you  
21 recommend a downward adjustment to the five percent  
22 equity risk premium?

23 A. Yes, I would.

24 Q. Could you refer to Appendix C, Table 3, which  
25 is the last page of Appendix C. Are the yields that

00724

1 you show for the S and P single "A" rated public  
2 utility bonds the yields on newly issued bonds or on  
3 outstanding bonds?

4 A. That would be the estimate that S and P makes  
5 of seasoned bonds so it would take out the effects of  
6 newly issued bonds. They have a model when they report  
7 their bond yields that they derive a current interest  
8 rate based on observed bond prices and yields.

9 Q. Seasoned bond would be outstanding bonds;  
10 correct?

11 A. Correct.

12 Q. Why did you use outstanding bonds as opposed  
13 to newly issued bonds?

14 A. Because when a bond is first issued -- this  
15 is easier to explain today than it used to be because  
16 it's basically like an initial public offering. The  
17 public has not seen the bond before, so the  
18 underwriters look at current interest rates and they  
19 look at the characteristics of the bond, its coupon,  
20 its maturity, and they make an estimate of what they  
21 think a fair price would be, so you will see in the  
22 paper one of these announcements that General Motors  
23 has issued 10 million bonds with a coupon of 6.7  
24 percent at a price of 101, and basically, the  
25 underwriters thought that given -- and they have to go

00725

1 out and print the bond before they issue it so they  
2 lock themselves into an interest rate, so they try to  
3 hit current interest rates with an estimate by selling  
4 the bond, not for its par value of \$1,000 a bond but a  
5 little bit more or less.

6 They are often wrong because they don't know  
7 how the investors are going to react to this new piece  
8 of paper, so by the end of the day, the price has gone  
9 up or down, and then for the next several days, you  
10 probably have some settling in of the price, so rather  
11 than look at a particular new bond where the price may  
12 be driven by what's going on that day or particular  
13 enthusiasm for General Motors or fear for General  
14 Motors, what the rating agencies generally do is look  
15 at a whole bunch of bonds that have been out there  
16 awhile and have been trading so they are what's called  
17 seasoned. Investors have had quite a while to react to  
18 this bond and buy it and sell it with each other.  
19 Based on the pricing of the seasoned bonds, they infer  
20 a yield that a bond would have if it were at pretty  
21 much at par.

22 Q. On Table 2 of Appendix C, which is the page  
23 just before that one, you estimate an equity risk  
24 premium by comparing the allowed return on equity for  
25 electric utilities with the average public utility bond

00726

1 yield; right?

2 A. Yes.

3 Q. So you've taken A minus B to get C?

4 A. Yes.

5 Q. It's just straight subtraction. We don't  
6 have any iterations involved.

7 A. No. This is the simple part.

8 Q. Going back to Page C-1, so the first page of  
9 this Appendix C, starting on Line 6, you describe three  
10 different approaches to obtain proxies for equity risk  
11 premiums, and I think you've sort of highlighted this  
12 for us a few minutes ago. Expectational estimates of  
13 cost of equity, is that the mechanistic approach you  
14 referred to?

15 A. Right. That's why you have a DCF Model and  
16 you run it through time.

17 Q. Then the surveys, and then third is the  
18 realized rates of return. Under which of the three  
19 approaches you outline there does the method used on  
20 Table 2 of Appendix C fall?

21 A. Table 2 is the estimate surveys. We are  
22 essentially surveying utility commissions, and we are  
23 saying utility commissions are making an estimate of  
24 the cost of equity when they enter their rate orders,  
25 so they give us an observable estimate of what they

00727

1 think the return on equity is, so we are not asking the  
2 commissioners, but they have told us because that's  
3 part of their regulatory responsibility.

4 Q. Is it your testimony the allowed return on  
5 equity is equal to the realized return on equity?

6 A. No. The allowed return is equal to -- did I  
7 say this was part of survey approach No. 2?

8 Q. Yes.

9 A. The allowed return is the commissions  
10 estimate of what the cost of equity is. In my  
11 particular rate order, I know from my own experiences  
12 of having been on that side of the table and on your  
13 side of table, there are a lot of things that go into  
14 what the cost of equity allowed return is, but it's all  
15 keyed off of some estimate of what the cost of equity  
16 is, and if we average them over all the rate cases in a  
17 particular year, I think that's a pretty good measure  
18 of what commissioners thought the cost of equity was  
19 for utilities in that year.

20 Q. The average public utility bond yield is a  
21 realized return, isn't it?

22 A. No. It is the return you get if you buy a  
23 bond today given its yield to maturity and hold it to  
24 maturity. That's what the yield of maturity is. You  
25 buy the bond today, and you hold it until you get your

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1 thousand dollars back.

2 If you only hold it one year, interest rates  
3 have probably gone up or down, and you receive your  
4 coupon, but you probably have a capital loss or gain on  
5 the bond, so by looking at the yield, we are looking at  
6 an expected return of the bonds, not the realized  
7 return of the bonds.

8 Q. So is the average public utility bond yield a  
9 market return?

10 A. Yes. Going through this process, we talked  
11 about where the rating agencies have estimated what the  
12 yield of maturity on a bond if it were sold to the  
13 public at par value, what they would expect to yield on  
14 those bonds.

15 Q. On Page C-6 of your testimony, you discuss a  
16 study using the expectational approach to estimate the  
17 equity risk premium; correct?

18 A. Yes.

19 Q. A, B, and C are all in Exhibit 102. The  
20 study referred to here focused on the period 1971  
21 through 1980; correct?

22 A. Yes.

23 Q. It purported to estimate the premium for  
24 electric utilities?

25 A. Yes.

00729

1 Q. The methodology used by the authors of the  
2 study referred to, this can be replicated, can't it?

3 A. I believe it can. It's from a referee  
4 journal and they provide the data, and I think it could  
5 be replicated if you had the same data they had. They  
6 have some of the data in the article that you could  
7 use.

8 Q. You could use that same approach today to get  
9 the same analysis, or you could use that methodology  
10 used in that study with today's figures, couldn't you?

11 A. You could. By definition, it's a study that  
12 occurs over time, so you could do it for the last 10  
13 years or for the previous 10 years. You could do a  
14 similar study. One of the things that would happen,  
15 because they used all the electricians, the population  
16 would change because we have fewer and fewer pure play  
17 electricians, so you have to make a decision, sort of how  
18 I made in picking my comparable group. How do we  
19 define electricians these days? For example, we would  
20 want to make sure Avista was not in our sample.

21 Q. So you could take a number of electric  
22 companies and do this same analysis for the last 10  
23 years?

24 A. You could, yes.

25 Q. You did not do that?

00730

1 A. No, I did not.

2 Q. Why didn't you do that?

3 A. Because the purpose here was to take what I  
4 think most authorities would agree is one of the  
5 classic articles that people refer to often and report  
6 the results of that classic article, which were  
7 conducted in a classic time period, in the time period  
8 before we began the transition, so it is as close as  
9 you can get in social sciences to a laboratory study.

10 If we try to replicate it today, we would  
11 have to make a lot of decisions, plus one of the things  
12 I wanted to do is make this -- I have several studies  
13 that are mine, but these are third-party studies.  
14 These are in the literature. I didn't do it. I didn't  
15 jiggle with it at all. It is part of the literature of  
16 finance.

17 Q. You are just reporting on this.

18 A. Yes.

19 Q. Do you find it appropriate to use a 10-year  
20 period of time to make estimates of the equity risk  
21 premiums?

22 A. I think it depends. You want a fairly  
23 homogenous period of time where there is not some  
24 exogenous event that is impacting your independent  
25 variable during that period of time. I think they



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1 chose 10 years. There are other studies over longer or  
2 shorter periods of time.

3 I think how long a period you look is a  
4 function of the whole characteristic of the study. In  
5 any statistical study, you are assuming that there is a  
6 stable relationship that you can estimate stable  
7 population parameters, and sometimes, 10 years will  
8 give you a stable parameter, and other times five  
9 years, and other times 20 years.

10 Q. You refer to the influence of exogenous  
11 events. During that 1971 to 1980 period, wasn't there  
12 an era of oil embargo during that period of time?

13 A. Yes. And the purpose of this study was to  
14 see -- and it was a time of rapidly increasing  
15 inflation, and what the authors wanted to do was talk  
16 about inflation risk and regulatory life. They wanted  
17 to see if you took a period that started with very low  
18 inflation, like 1971, and go over to a period with very  
19 high inflation, like 1980, would you see that the  
20 experience of regulatory lag would change the  
21 relationship of risk premiums in the electric utility  
22 compared to what the finance literature believes to be  
23 the usual relationship, which we talked about earlier  
24 of the inverse relationship.

25 The hypothesis tested in this model was

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1 that -- because utilities can't change their prices  
2 like other competitive companies as inflation starts  
3 accelerating, and they have to prepare a rate case, go  
4 before a commission. The commission has to have a  
5 hearing, and then you have an order, and then they can  
6 change their prices. The utilities would be  
7 disadvantaged in a period of time of increasing  
8 inflation, and 1971 to '80 is a classic period of  
9 increasing inflation, driven in part because of the  
10 Arab oil embargo in 1974.

11 Q. You are saying then that didn't affect risk  
12 premiums?

13 A. That was the question the authors addressed.  
14 Did it affect the risk premium.

15 Q. Did it?

16 A. What they found was that notwithstanding the  
17 regulatory lag that there was a small inverse  
18 relationship. That was contrary to their prior  
19 expectation. They thought that utilities would not  
20 exhibit the inverse relationship because of the effect  
21 of regulatory lag on the way utilities have to change  
22 their prices.

23 JUDGE SCHAEER: Ms. Tennyson, is this a good  
24 place we could break for lunch?

25 MS. TENNYSON: Yes.

00733

1                   JUDGE SCHAER: We will take our lunch recess  
2 at this time. Be back and ready to go at 1:30 this  
3 afternoon, please. We are off the record.  
4                   ( Lunch recess at 12:00 noon.)  
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AFTERNOON SESSION  
(1:35 p.m.)

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JUDGE SCHAEER: Back on the record.

Ms. Tennyson, would you like to continue with your questioning?

MS. TENNYSON: Yes, thank you.

Q. (By Ms. Tennyson) When we broke for lunch, we were talking about the CC and L study, and that dealt with the 10-year period, 1971 through 1980, and I'd asked you a question about the Arab oil embargo, and during that time period, 1971 through 1980, I believe you had referenced earlier there were nuclear plants being built by many utility companies.

A. Yes, there were. The nuclear crisis didn't come until after 1979 when you had the Three Mile Island incident on March 28th, 1979, and the regulatory response of that over the next several years.

Q. My question is, did the Arab oil embargo or the nuclear building that was going on during the period in this study, did those events affect the level of the risk of premium in the CC and L study?

A. I would assume they would have some effect on the risk premium. The effort was made to look and see how the risk premium changes as a function of interest

00735

1 rates. The risk premium reflects what's going on in  
2 the industry, and the Arab oil embargo would have been  
3 part -- I don't think the nuclear construction was  
4 perceived as a major risk factor during that period of  
5 time. It was later in the 80's that that particular  
6 risk factor became material.

7 Q. Then with the Arab oil embargo, did that  
8 affect the level of the risk premium? Is your answer  
9 yes or no?

10 A. My belief is that it would have been a factor  
11 affecting the level of risk premium.

12 Q. Did those events, the Arab oil embargo or the  
13 nuclear plant building, in any way affect your level of  
14 risk premium that you've come up with in this case?

15 A. I've used the information from the study  
16 which used that measure as one reading on the risk  
17 premium. The risk premium was measured over the entire  
18 period starting in 1971, which was three years before  
19 the Arab oil embargo and ending just as the Three Mile  
20 Island incident occurred.

21 Q. Can you refer at this point to what's been  
22 marked as Exhibit 104.

23 A. Yes. That's not the particular section -- it  
24 is not the economic report of the president that I  
25 referenced and have in my work papers, but I have

00736

1 reviewed those pages.

2 Q. This is a passage from the year 2020 economic  
3 report of the president; correct?

4 A. Correct.

5 Q. The page that's been copied here -- obviously  
6 it's not the whole study. We have Pages 69 and 70 from  
7 that report.

8 A. Yes.

9 Q. At the top of Page 70, the Council of  
10 Economic Advisors says, and I quote, "The additional  
11 riskiness of stock returns over that of bond returns  
12 does not appear large enough to justify an equity  
13 premium of over seven percentage points unless  
14 investors are extraordinarily risk adverse or their  
15 investment horizon is very short."

16 A. I haven't found where you are reading.

17 Q. The first paragraph there. Then it continues  
18 on: "For this reason, economists have long been  
19 puzzled by the large excess returns that the stock  
20 market has historically offered." Do you agree with  
21 that statement?

22 A. I will certainly agree that economists have long  
23 been puzzled.

24 Q. The entire statement in that paragraph, do  
25 you agree with that?

00737

1       A.     I have a little bit of a problem with the  
2 benchmark here because this is in reference to Jeremy  
3 Segal's, a long-term study of relative returns of  
4 stocks and bonds, which is different from the Ibbotson  
5 study that I used.

6       Q.     I understand that. So the passage here  
7 compares stocks with government bonds; correct?

8       A.     That is correct.

9       Q.     The Council then wasn't referring to the  
10 equity risk premium for electric utilities, was it?

11      A.     Right. It's a little bit of apples and  
12 oranges, but I read the statement, and I know that the  
13 relative performance of stocks in recent years has  
14 certainly been spectacular relative to bonds, and I  
15 think the general opinion of economists is that it is  
16 unlikely to persist over time.

17      Q.     Is it your testimony, Dr. Avera, that the  
18 7.47 percent constitutes a reasonable basis to estimate  
19 the equity risk premium that you used to determine the  
20 cost of equity for Avista's regulating operations?

21      A.     I think you have to look at the risk premium  
22 in terms of today and today's level of interest rates,  
23 if you are going to apply it to today's -- one of the  
24 messages of my C-section of Exhibit 102 is the risk  
25 premium must fit the interest rate, so I've developed a

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1 set of risk premiums to apply to the public utility  
2 interest rate and came up with a result that the spread  
3 over single "A" bond yields must be four to five  
4 percent.

5 Q. In your testimony, you refer again to the C,  
6 Appendix C, and I'm looking at Page C-7, Lines 6 and 7.  
7 You refer to them as applied equity risk premium of  
8 7.47 percent for low-rated utilities?

9 A. Yes, and that was the finding of the CCL  
10 study.

11 Q. The authors who produced the study that we've  
12 been discussing, they have produced a second study  
13 which found an equity risk premium of 6.45 percent  
14 returns on investments and electric utilities and  
15 government bonds; isn't that so?

16 A. Yes.

17 Q. You noted on Page C-8 of your testimony of  
18 this appendix that in that second study by the same  
19 authors, who came up with the 7.08 percent zero risk  
20 premium, it produced a 6.45 percent equity risk premium  
21 for electric utilities when compared to U.S. Government  
22 bonds; correct?

23 A. That is correct.

24 Q. Based on that 6.45 percent risk premium, you  
25 then found a 12.23 percent cost of equity for Avista's



00739

1 regulated operations; is that correct?

2 A. That would be what adjusting for the interest  
3 rate and applying it to current interest rates would  
4 be. Each of these studies results in a different  
5 number, and that's why I didn't use the full range. I  
6 narrowed the range to get to my four to five percent  
7 equity risk premium.

8 Q. Adjusting for the interest rate, that's like  
9 we discussed earlier before lunch. It goes up or down,  
10 and you have to add or subtract.

11 A. That is correct. To make it fit the current  
12 interest rate environment.

13 Q. You refer to the techniques used by the  
14 authors of these studies that we've been discussing as  
15 mechanistic. You didn't use the same mechanistic  
16 approaches used by the authors when you applied the  
17 multistage DCF in this case, did you?

18 A. No. I think my approach was not as  
19 mechanistic as theirs. They applied a DCF to the  
20 entire industry based on historical experience, and I  
21 think my approach -- first, I selected a subset of the  
22 industry, and secondly, I used a variety of inputs to  
23 the DCF, both the Value Line inputs and the IBES  
24 inputs, so I think my application of the DCF Model is a  
25 lot more specific to the companies than the way the CCL

00740

1 studies did when they were looking at all the  
2 electrics.

3 Q. You are applying the equity risk premium or  
4 the DCF approach here to a specific company; correct,  
5 and not to the whole group of companies?

6 A. You mean in my B appendix where I actually do  
7 the multistage?

8 Q. You came up with an equity risk premium in  
9 your study, and you applied that to Avista, to one  
10 company and not a whole range of companies; is that  
11 correct?

12 A. You are speaking of the risk premium? What I  
13 did in the risk premium is I looked at a set of  
14 studies. I think there are nine studies, two of which  
15 I did myself and seven of which are in the literature,  
16 and each implies an estimate of the risk premium. I  
17 adjusted those for current level of interest rates and  
18 got a distribution of risk premiums, and then based on  
19 judgment, evaluated and narrowed to a narrow set of  
20 risk premiums, which I said then is a good estimate of  
21 the risk premium for Avista's utility operations in  
22 Washington and applied that 47 percent risk premium to  
23 the current single "A" bond yield, and that's how I  
24 came up with my risk premium estimate of eleven nine  
25 twelve nine.

00741

1 Q. I'm going to refer at this point to a chart  
2 you have on Page C-14 that's on Appendix C. There, you  
3 list each of the studies, and you've broken them down  
4 by mechanistic and survey and historical realized rates  
5 of return. In terms of the results and how you applied  
6 to get the risk premium, for the first one, the  
7 Carleton, Chambers study with the 5.32 percent  
8 indicated risk premium, the increase in the equity risk  
9 premium for each point of decrease in bond yields for  
10 that study was .17?

11 A. Yes, as I recall.

12 Q. Or 17 basis points?

13 A. That is correct.

14 Q. Then the second study, the 4.3 percent, was  
15 no adjustment, no increase.

16 A. That is correct.

17 Q. Then going on down, we have 3.79 percent, the  
18 Brigham, Shome, Vinson, is .11?

19 A. That's correct.

20 Q. And then the 6.97 percent, is that 63 basis  
21 points, or .63 percent increase in equity risk premium?

22 A. For every hundred basis point change, the  
23 level of interest rates change.

24 Q. The .63 is what the --

25 A. What the adjustment is from that study. In

00742

1 every case, I took whatever the study found and applied  
2 it to the current level of interest rates.

3 Q. I understand. I'm just trying to get all  
4 this stuff on one page to make sure I'm applying this  
5 right. The 6.27 percent for the Harris study was .51?

6 A. Yes, that's correct.

7 Q. And then the five percent for the Benore  
8 investor was .28?

9 A. Yes.

10 Q. And the 4.12 percent for the RRA, authorized  
11 ROE, was .48?

12 A. Yes.

13 Q. And then the last two, we don't have that  
14 calculation.

15 A. That's correct, because these are the  
16 historical that assume it's measured where there is a  
17 stable relationship and no change.

18 Q. Thank you.

19 A. I misspoke a minute ago. I said nine, and  
20 the number of studies that are reflected here -- I  
21 believe nine is correct, but let me make sure.

22 Q. I count seven.

23 A. Carlton, Chambers and Lakonishok, and  
24 Brigham, Shome and Vinson each did two studies.

25 Q. And the Brigham, Shome and Vinson was --

00743

1 A. -- 1980 to 1984. There are nine separate  
2 estimates of the risk premium. I did two of them. CCL  
3 did two, and Brigham, Vinson and Shome did two.

4 Q. Have you ever testified to a cost of equity  
5 using the DCF approach based on a projection of  
6 dividends that were derived from their growth over the  
7 past 10 years?

8 A. Yes. When I was first doing rate of return  
9 testimony, it was common for witnesses to use  
10 historical averages as one of their estimates of the  
11 growth rate because at that time, there was a  
12 continuity in historical growth rates, and projected  
13 growth rates were very close in magnitude, so the first  
14 testimony I did when I was on the Public Utility  
15 Commission of Texas staff, I generally had a five-year  
16 look and 10-year look in history and then I used the  
17 forecasting.

18 Q. That's the authors that we've been discussing  
19 did; isn't that the case?

20 A. Yes. As a matter of fact, during that time,  
21 Bill Carleton was a witness for Houston Lighting and  
22 Power in a case where I was a witness for the Staff,  
23 and we both used somewhat similar methodologies which  
24 included a 10-year historical return, so I think the  
25 model that was from the '71 to '80 period by the

00744

1 authors is very consistent with what you would see in a  
2 hearing room, witnesses for companies and intervenors  
3 using.

4 Q. The CCL study, that appeared in 1983;  
5 correct?

6 A. Yes.

7 Q. On Page C-8 of your Appendix C, you mention  
8 two other articles that generated mechanistic estimates  
9 of equity risk premiums for utilities using a DCF  
10 Model. Did you use any of the DCF models used by  
11 Brigham, Shome and Vinson or by Robert Harris to arrive  
12 at your cost of equity estimates in this case?

13 A. Actually, the Brigham, Shome and Vinson  
14 article is very similar in spirit to my approach. The  
15 one difference is they just take the Value Line  
16 estimate for five years and do an internal rate of  
17 return compared to my approach where I go out further  
18 and use not only the Value Line estimates but the IBES  
19 estimates and then the industry estimates, but the  
20 format of finding an internal rate of return is  
21 similar.

22 Q. The Brigham, Shome and Vinson article  
23 appeared in 1985?

24 A. Yes.

25 Q. And the Harris article appeared in 1986;

00745

1 correct?

2 A. Yes. The Harris article used the IBES growth  
3 rates and used the straight constant growth DCF, so  
4 dividend yield plus growth is the model Harris used.

5 Q. Did you update these two studies using data  
6 gathered since 1985 or 1986?

7 A. I have not. Several staff members from the  
8 Virginia State Corporation Commission have updated and  
9 found similar results, not as to risk premium but as to  
10 the inverse relationship, but I have not done such a  
11 study.

12 Q. That Virginia State Corporation Commission  
13 study doesn't appear in your testimony, does it?

14 A. I cite finding an order from Virginia for  
15 Bell Atlantic. It reflects the testimony that the  
16 staff members did, but it didn't include the study, per  
17 se, because it was never really published in the  
18 literature the way the other studies were, so I used  
19 the ones that are kind of the leading studies in the  
20 literature.

21 Q. Why didn't you do an update of these studies  
22 if you believe the articles provide important evidence  
23 about how equity risk premium should be estimated?

24 A. I think they provide important evidence for  
25 the time periods they study. One of the main thrusts

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1 of my testimony here is that the simpler forms of the  
2 DCF Model were served so well in the '70's and '80's do  
3 not serve well in the '90's, so just like the DCF Model  
4 from the '70's that CC and L used is different than the  
5 DCF Model from the '80's that Harris and Brigham,  
6 Vinson and Shome use, they are not kind of the '90's  
7 addition of the model, so to take those models from the  
8 previous periods and apply them to '90's data would be  
9 a mismatch and would not reflect how people were  
10 estimating cost of equity in the 1990's.

11 Q. But you did rely on the relationship between  
12 the equity risk premium and interest rates in coming to  
13 the results you recommended here, didn't you?

14 A. I did, because my belief is, and I think the  
15 reason these articles are widely cited and republished  
16 is they did a very good job of mechanistically figuring  
17 out what the cost of equity estimate, a reasonable cost  
18 of equity estimate would have been in the decades that  
19 they studied compared to the observable bond yields.

20 The observe bond yields have the one constant  
21 in all of this. We have bond yields that we can  
22 observe, but what changes is the best way to estimate  
23 the cost of equity so that we can figure out the  
24 difference, which is the equity risk premium. I think  
25 each of these studies represents the best way of



00747

1 estimating the cost of equity in the period of time  
2 they were conducted.

3 Q. We had referred earlier to your Table 3  
4 that's part of Appendix C. It's the last page of  
5 Exhibit 102. Do you believe that the approach you took  
6 to estimating the equity risk premium that you set out  
7 in this table provides better estimates of the risk  
8 premium than what is found in any of the articles you  
9 discussed that use the expectational approach?

10 A. No. I think this is a better historical  
11 approach than the Ibbotson because that looks at the S  
12 and P versus bond utilities, and this goes to the  
13 question at bar, which is what is the risk premium of  
14 utility returns over utility bond yields, so I do think  
15 for present purposes this is a superior historical  
16 method, but I think there are three methods, the  
17 historical, the survey, and the mechanistic estimates  
18 because there are three different approaches, and I  
19 don't think you can say or I'm not willing to say that  
20 one is absolutely better than the other. They all give  
21 you some information, and that's why I've included  
22 representatives from each type in my analysis for this  
23 case.

24 Q. Let's go on to one we haven't discussed a lot  
25 of. Starting on Page C-10 of Appendix C, you discuss

00748

1 the surveyed approach to the equity risk premium; is  
2 that correct?

3 A. Yes.

4 Q. You note there an often cited survey of  
5 equity risk premium is done by Charles Benore?

6 A. Yes.

7 Q. Mr. Benore was retained by utilities to  
8 testify on their behalf, was he not?

9 A. He was.

10 Q. And to your knowledge, did he ever testify on  
11 behalf of an intervenor in a public utility rate case?

12 A. None that I was in. I'm not aware of anytime  
13 he testified for an intervenor.

14 Q. You didn't personally experience that?

15 A. No. I experienced him testifying for  
16 companies.

17 Q. You tell us Mr. Benore surveyed institutional  
18 investors between 1975 and 1985 and asked them directly  
19 what their equity risk premium was for electric  
20 utilities versus double "A" rated utility bonds; is  
21 that correct?

22 A. That's correct.

23 Q. Is it your testimony that use of an 11-year  
24 period is of sufficient length to establish an  
25 appropriate risk premium?

00749

1 A. I think it is a long period of time, and  
2 that's all the time we have. That is a window.

3 Q. It's what's there?

4 A. We can't have anything longer, so the only  
5 thing we could do is pare down and throw out some of  
6 the years that Mr. Benore made the survey in and  
7 publish the results.

8 Q. For this survey, again, this is for each  
9 percentage point in decline in bonds yields, the equity  
10 risk premium increased by 10 basis points.

11 A. That's correct.

12 Q. We've gone through the others, and I wrote on  
13 my copy where we are, so the BS and V study had a 63  
14 basis point increase in risk premium for each  
15 percentage point in decline in bond yields; correct?

16 A. One of their studies. They had two studies.  
17 One is .63.

18 Q. And the .63 study was for a four-and-a-half  
19 year period from January 1980 to June of 1984; correct?

20 A. That is correct.

21 Q. So that BS and V study was inside of  
22 Mr. Benore's 11-year period from 1975 to 1985.

23 A. It was.

24 Q. The CC and L study, that one found the 17  
25 basis point increase in the equity risk premium;

00750

1 correct?

2 A. Right, interest rates decreased.

3 Q. That study covered the 1972 to 1980 period,  
4 did it not?

5 A. I think it was '71 to '80.

6 Q. I obtained that from your testimony, Page  
7 C-6.

8 A. C-6, Line 8?

9 Q. Line 13.

10 MR. MEYER: I show 72.

11 THE WITNESS: I'll have to go back and check  
12 that because I say '71 earlier. My memory tells me '71  
13 is probably right, but I will certainly advise you  
14 which one is right.

15 Q. (By Ms. Tennyson) According to BS and V,  
16 over the 1966 to 1984 period that the equity risk  
17 premium rose 11 basis points for each one percentage  
18 point decrease in the bond yield; correct?

19 A. Yes.

20 Q. Looking at Table 2 of Appendix C -- that's  
21 the second to last page of Exhibit 102. On this  
22 exhibit, you show public utility bond yields for each  
23 year over the 1974 to 1998 period and risk premiums for  
24 each of those years; correct?

25 A. Yes.

00751

1 Q. Based on those data, by how many basis points  
2 does the equity risk premium increase for every one  
3 percentage point decreasing bond yields?

4 A. 47.8 basis points, 48 approximately.

5 Q. The study that you made shown in Table 2 of  
6 Appendix C, that relates allowed returns on equity or  
7 public utility bonds; correct?

8 A. Yes.

9 Q. And public utility bonds are market  
10 determined, aren't they?

11 A. Yes, they are.

12 Q. Is your testimony that returns on equity  
13 allowed by public utility Commissions are market  
14 determined parameters?

15 A. I think they are administratively determined  
16 estimates of market determined cost of equity. I  
17 believe what commissions are attempting to do is  
18 estimate the cost of equity. They take information  
19 from witnesses such as me, tested by attorneys such as  
20 you, and decide what they think the best estimate is,  
21 and that is the commission's estimate. That's why it's  
22 a survey approach. It's their guess as to what the  
23 market requires.

24 Q. And earned returns on equity are market  
25 determined, aren't they?

00752

1 A. Earned returns.

2 Q. Yes.

3 A. You mean the return on book equity that a  
4 utility achieved?

5 Q. Yes. Just because a utility commission  
6 allows a certain rate of return means the company  
7 achieves that; right?

8 A. That is true. It's not a capital market  
9 determined. It's by what happens in the market for the  
10 utilities' goods and services and what happens to the  
11 cost and what the accountants do with the numbers, so  
12 I'm not used to thinking about that as a market  
13 determiner.

14 Q. You are thinking how they work to achieve  
15 that as to what actually happens. After your review of  
16 all the articles you referred to in Appendix C as well  
17 as the study you made, would you agree that the  
18 relationship between a given percentage point  
19 decreasing bond yields and the corresponding increase  
20 in the equity risk premium is not constant?

21 A. No. I don't know whether it's constant or  
22 not. I would say different studies that have made an  
23 estimate at different times using different  
24 methodologies have come up with different results.  
25 Now, whether the underlying economic structure is

00753

1 constant or not, I don't think we can say with the  
2 evidence we have because again, we are trying to  
3 estimate something we cannot observe, so we must first  
4 estimate the cost of equity using one of these three  
5 methods, and then we measure how that estimate changes  
6 with interest rates. So we are trying to estimate a  
7 relationship involving an unobservable coefficient, so  
8 the fact that we come up with many different estimates  
9 I don't think should be surprising.

10 Q. So there is not a magic number that everybody  
11 agrees on?

12 A. No. There is definitely not a magic number  
13 that everybody agrees on.

14 Q. Let's look at the studies under the headings,  
15 "the mechanistic cost of equity estimates and surveys."  
16 Refer to Page C-14 for the listing. I just realized I  
17 already did this without referring to my notes so we  
18 don't need to go through this.

19 I do have a question related to the -- you  
20 referred a couple of times to Ibbotson and Associates  
21 and the 1999 yearbook. You were asked to provide a  
22 copy of that, and you provided just some excerpts;  
23 correct?

24 A. That's correct. It's a big, thick book, plus  
25 it's copyrighted and expensive, and I didn't want to

00754

1 get in trouble by giving you a copy of the whole book.

2 Q. We don't have a copy of that. We just have  
3 your selected excerpts. I can't ask you questions  
4 about something I don't have in front of me; right?

5 A. I think I have presented to you the pages  
6 that have the numbers that I extracted off of that  
7 study.

8 Q. But it doesn't allow me to look at the rest  
9 of the study and ask about the methodology and things  
10 like that; correct?

11 A. No. I would be happy to copy parts that you  
12 would like. I would have to talk to counsel about the  
13 propriety of providing the whole book. The book is  
14 commercially available.

15 Q. There is part of the appendix in that study  
16 that gives a year-by-year listing of the equity risk  
17 premiums. Are you familiar with that?

18 A. There are a couple of sections you might be  
19 talking about. There is one that gives the  
20 year-to-year equity returns and bond returns, and there  
21 is another section where Ibbotson does present some  
22 estimates in the risk premium that he made. We did not  
23 use those, but they are in the book, as I recall.

24 Q. Would you be able to provide us the appendix  
25 of the first listing that you described, the earned



00755

1 returns on equity and the earned returns on bonds?

2 A. Yes, we will try to give that to you. We  
3 will make some accommodation.

4 JUDGE SCHAER: So it would be Record  
5 Requisition No. 23.

6 Q. In your Exhibit 102 at Page C-13, you refer  
7 to the use of a beta coefficient. Is it your opinion  
8 that a beta is a meaningful measure of investment risk?

9 A. I believe it is a meaningful measure. As I  
10 talk in the testimony, there is some controversy over  
11 it being the total measure of investment risk.

12 Q. But the answer is yes?

13 A. Yes. I think it's meaningful as reported by  
14 Value Line, by Merrill Lynch, by Standard and Poor, so  
15 I think investors do pay attention to beta's, but I  
16 don't think it is the sole measure of risk that  
17 investors use.

18 Q. Have you ever relied on the capital asset  
19 pricing model, otherwise referred to as CAPM, approach  
20 to the cost of equity capital in any of the testimony  
21 you've presented before public utility commissions?

22 A. My recollection is in many if not most of the  
23 testimony, I have a capital asset pricing model  
24 estimate. I can't think of any testimony where it was  
25 the sole estimate because my belief has been there is

00756

1 no perfect one-size-fits-all method. You have to apply  
2 a number of methods and evaluate their relative  
3 results.

4 Q. With respect to the capital structure you  
5 recommended be used to set rates in this case, you rely  
6 on the 1998 average capital structure for the 12  
7 combination utilities you selected; correct?

8 A. That is correct.

9 Q. That capital structure contains 47 percent  
10 long-term debt, six percent preferred, and 47 percent  
11 common equity capital; correct?

12 A. Yes.

13 Q. In computing your capitalization ratios, you  
14 excluded short-term debt, didn't you?

15 A. I did.

16 Q. Can you tell us why you did that?

17 A. I did it because for most utilities,  
18 short-term debt is a seasonal accommodation. It's not  
19 a permanent part of the capital structure, so that when  
20 I think most people in this industry think about  
21 capital structure, they think about long-term capital,  
22 which would include only long-term debt and that  
23 current portion of long-term debt.

24 I think that is consistent with the way many  
25 of the rating agencies display and compute capital

00757

1 structures, so that I believe that that is a common.  
2 It's not the only way. You see often presentations of  
3 capital structure that include short-term debt, but I  
4 believe that the most common way and really the most  
5 meaningful, especially for situations where short-term  
6 debt is a volatile part of capital structure, it should  
7 be ignored.

8 Q. I'd like to refer you to what's been marked  
9 as Exhibit 129. It's one of the ones we passed up this  
10 morning. Do you recognize this as a request for  
11 information that was presented to you and that you  
12 responded to?

13 A. Yes.

14 Q. Is this true and correct to the best of your  
15 knowledge?

16 A. It is.

17 Q. And this was the same question I just asked  
18 you; is that correct?

19 A. That's correct.

20 Q. Could you tell us what the capitalization  
21 ratios you show on Page 26 of your testimony would be  
22 if short-term debt were included?

23 A. I would have to go through the data for each  
24 of the 12 utilities and go back and put in short-term  
25 debt. In my work papers, I have the 10-K information

00758

1 that we got off of Free Edgar on the Internet.

2 Q. So if I asked you to provide that, to do that  
3 calculation, you would be able to do that from the  
4 information that you have?

5 A. I believe I could. Again, subject to -- we  
6 might have missed a page that had the short-term debt  
7 on some of the companies because we weren't using it,  
8 but we can go back on the Internet and get those  
9 companies, so it's something we can do.

10 MS. TENNYSON: I would make that a record  
11 requisition.

12 JUDGE SCHAER: That would be No. 24.

13 Q. (By Ms. Tennyson) Could you provide us with  
14 your definition of short-term debt?

15 A. Short-term debt is a debt that is anticipated  
16 to be, or can be drawn down at the borrower's request  
17 or the lender's request, but the key thing is it's not  
18 permanent. It's not funded. It is like a line of  
19 credit or revolving credit arrangement where the amount  
20 goes in and out as opposed to a funded bond issue where  
21 there is a 10-million-dollar issue and that is sold to  
22 the public and stays in the public hands.

23 Q. Has a set time period.

24 A. Has a set time period and set schedule of  
25 repayment.

00759

1 Q. On Page 28 of your testimony, you show the  
2 average common equity ratios over the period 1994 to  
3 1998; correct?

4 A. Yes.

5 Q. Do those common equity ratios include or  
6 exclude short-term debt?

7 A. I believe they exclude; although, they are  
8 taken from RRA, and my belief is they exclude, but I  
9 can't say in every case they do because they were  
10 working from commission orders, and in some cases, it  
11 may be in some cases the commission orders did not  
12 include short-term debt.

13 Q. Would you be able to tell us what these  
14 ratios would be if short-term debt were included?

15 A. I'm not sure that that information is  
16 consistently reported by RRA. I could take a minute  
17 and look, but my impression is it is not consistently  
18 reported.

19 Q. Do you know what Avista's common equity ratio  
20 was at September 30th, 1999? One of the exhibits is  
21 the 10-Q?

22 JUDGE SCHAER: Mr. Meyers, your witness just  
23 referred to something you might be able to check to see  
24 if the data is reported. Could you have him check that  
25 at the break and let us know?

00760

1 MR. MEYER: You don't want to do that now?

2 JUDGE SCHAER: The previous question had been  
3 about weather RRA included data on short-term debt.

4 MS. TENNYSON: I asked him another question  
5 and he's referring to Exhibit 132, I believe.

6 JUDGE SCHAER: He said he could look and see  
7 and I would like him to do that during the hearing.

8 THE WITNESS: The answer to the equity ratio  
9 at September 30, 1999, is 28.34 percent.

10 Q. (By Ms. Tennyson) Did you exclude or include  
11 short-term debt in making that computation?

12 A. I excluded it.

13 Q. If you included it, would you accept that it  
14 would be about 26-and-a-half percent?

15 A. Yes. It would go down because you are adding  
16 more debt and increasing capitalization.

17 Q. And the short-term debt is generally less  
18 costly, less expensive?

19 A. It is generally, but not always less  
20 expensive than other debt. It is always, I think, less  
21 expensive than common equity. I won't say "always"  
22 because we sometimes -- in my recent experience, it's  
23 less expensive than common equity.

24 Q. Referring to Exhibit 132, if necessary, can  
25 you tell us whether Avista had any short-term debt

00761

1 outstanding at September 30th, 1999, and how much that  
2 was?

3 A. It had 103.5 million dollars of notes payable  
4 at September 30, 1999.

5 Q. And then the figure below that, there is  
6 "other." What's that amount?

7 A. The "other" amount is \$8,894,000.

8 Q. So the record is clear, what are you  
9 referring to at this point, what page?

10 A. I'm referring to Page 6 of the form 10-Q for  
11 Avista Corporation.

12 Q. Could you read the heading that you are  
13 referring to?

14 A. "Consolidated statements of capitalization."

15 Q. What line did you find the numbers on?

16 That's what I'm asking.

17 A. The line is, "notes payable (due within one  
18 year) to the refinanced."

19 Q. So within the heading, "long-term debt," the  
20 last paragraph, if you will, notes payable, that's the  
21 \$103,500?

22 A. Yes, it is.

23 Q. Do you believe that the term "other," or  
24 what's included in "other" below is short-term debt or  
25 not?

00762

1       A.       It may be. My understanding, and I probably  
2 made an assumption here I should have made clear to you  
3 and also clarify an earlier answer that I gave to you  
4 today. The component costs that I've given you are the  
5 utility cost of debt. I understand that the "notes  
6 payable," the 103 million, are utility-related notes  
7 payable. There is another data request that lists the  
8 notes payable over time. I understand that what is in  
9 the "other" category is, in most likelihood,  
10 obligations of Avista capital, which is not related to  
11 the utility.

12       Q.       Would those be short-term versus long-term?

13       A.       I believe they probably would be, but I don't  
14 have any specific data on them since they weren't part  
15 of the utility, and I didn't pick them up in my looking  
16 at the numbers.

17       Q.       At September 30th, 1999, Avista's long-term  
18 debt ratio was about 48 percent, wasn't it?

19       A.       Is that including this 103.5?

20       Q.       Yes.

21       A.       If you've done the calculation, I'll accept  
22 that.

23       Q.       And the short-term debt accounted for about  
24 6.9 percent of Avista's total capitalization at  
25 9/30/99?



00763

1 A. Yes. If you add it into the capitalization  
2 and divide it, that's the approximate number you get.

3 Q. At 9/30/99, Avista's preferred stock and  
4 preferred securities accounted for about 25.2 percent  
5 of its total capitalization; correct?

6 A. Again, is that adding in the 103.5?

7 Q. Yes.

8 A. That sounds about the right number.

9 Q. In the capital structure that you  
10 recommended, preferred stocks and securities, accounts  
11 for only six percent of the capital structure; isn't  
12 that correct?

13 A. That is correct.

14 Q. And the weighted average cost rate for your  
15 preferred stock is about 8.14 percent?

16 A. Yes.

17 Q. So you're asking this commission to  
18 substitute a 12-and-a-quarter-percent cost of equity  
19 for an 8.14 percent cost of preferred stock for about  
20 19 percent of Avista's actually capital structure;  
21 right?

22 A. No. That's not what I'm asking this  
23 commission to do. What I'm asking this commission to  
24 do is in this case, as this commission has done in  
25 other cases, to use a hypothetical capital structure

00764

1 that's represented to the industries' use of debt  
2 preferred in common, and I think that is the  
3 appropriate capital structure to be applied to Avista's  
4 utility operations in Washington.

5 Q. You have told us Avista's nonregulated  
6 businesses have a greater risk than its regulated  
7 operations. Why has Avista chosen to operate its total  
8 company with a 26-and-a-half percent common equity  
9 ratio?

10 A. I think there is presumption in your  
11 question. I think I speculated that they may be more  
12 at risk. I have not done any study of the relative  
13 risk of the Avista capital operations compared to the  
14 utility operations.

15 Q. If we assume that the nonregulated business  
16 operations and the regulated are equally risky, would  
17 it be appropriate for the Company to operate with a  
18 26-and-a-half-percent common equity ratio?

19 A. I think every company has to make its own  
20 decision about its capital structure to weigh the  
21 business risk and financial risk and decide what is in  
22 the best interest of its shareholders. Also, capital  
23 structures change, as we discussed earlier today, as a  
24 result of whether the company is earning or losing  
25 money, so that a company at any one time may be some

00765

1 distant from its target capital structure.

2           So I believe that Avista management is making  
3 decisions about its capital structure consistent with  
4 its obligations to its shareholders. I believe those  
5 decisions should be decoupled from the decision that  
6 this commission is making as to the appropriate rate of  
7 return to allow for the utility operations. I think  
8 that's why this commission and many other commissions  
9 have used hypothetical capital structures because it  
10 separates the management decision about capital  
11 structure from the regulatory decision about fair rate  
12 of return, which I think is an appropriate division.

13       Q.     So you think it's appropriate that even if  
14 the Company has only a 26-and-a-half-percent equity  
15 company wide that the Commission should then create a  
16 hypothetical capital structure, as you suggested, with  
17 a much higher common equity.

18       A.     I believe in this circumstance the  
19 hypothetical capital structure which I believe is  
20 consistent with the industry, consistent with  
21 regulatory requirements, consistent with rating agency  
22 requirements is the capital structure that should be  
23 used, notwithstanding the actual capital structure of  
24 Avista, which is very dynamic. It has changed, and I  
25 suspect it will continue to change, so this commission

00766

1 can focus on a stable and more stationary benchmark,  
2 which is the hypothetical capital structure for utility  
3 companies, just as it has chosen to do in the  
4 ScottishPower acquisition and in other cases cited in  
5 my testimony.

6 Q. Do you think Avista had its debt downgraded  
7 because of its highly leveraged capital structure?

8 A. I think that may have been one of the  
9 factors. Again, the highly leveraged capital  
10 structure, the snapshot at September 30, 1999, is  
11 heavily influenced by the losses that Avista incurred  
12 in its trading operations in the earlier part of 1999,  
13 because your equity is made up of common equity and  
14 retained earnings, and when you have losses, it's a  
15 charge against retained earnings so your equity goes  
16 down.

17 Q. You had indicated earlier that you thought  
18 one of the reasons for the Standard and Poor changing  
19 its rating was the lack of a power cost adjustment in  
20 Washington. Is that as important as the capital  
21 structure of the company in this case?

22 A. Well, I can't get into the minds of Standard  
23 and Poor. I know they mention both, and Moodys in  
24 their evaluation of this company mentioned both.

25 Q. What downward adjustments to the cost of debt

00767

1 and preferred would you use in this case, or that you  
2 used in this case would you make to account for the  
3 fact that Avista's debt was downgraded due to its  
4 capital structure?

5 A. I didn't make any adjustment. I don't think  
6 any adjustment is warranted. I believe the capital  
7 structure should be one that is representative of the  
8 industry, is representative of the requirements of  
9 investors, and that should be the benchmark that the  
10 Commission uses in determining a fair rate of return.  
11 The component costs are the ones that are specific to  
12 the utility operation, which is the imbedded costs that  
13 I had calculated in my testimony.

14 Q. You haven't made any study of the capital  
15 structure of combination utilities like Avista's or  
16 pure electric companies that have more than, say, 50  
17 percent of their revenues accounted for by nonregulated  
18 businesses, have you?

19 A. No. Specifically, my capital structure study  
20 was based on the 12 comparable companies where the  
21 requirement to be in the group was at least 80 percent  
22 of your revenues from utility operations.

23 Q. Would it surprise you if electric utilities  
24 which have diversified significantly into nonregulated  
25 businesses have lower equity ratios than the 47 percent

00768

1 that you recommended be used to set rates in this case?

2 A. It would not surprise me if it's different  
3 from this industry average, and it probably wouldn't  
4 surprise me if it's lower, because I think one of the  
5 things that happens when you go into diversification,  
6 you usually lead with equity and then come back when  
7 the businesses get more established when you finish  
8 debt.

9 Q. Could you refer at this point to the schedule  
10 WEA-2, and it's part of Exhibit 102.

11 A. Yes.

12 Q. Can you tell us which of those debt  
13 instruments listed on this schedule have an indenture  
14 or some other requirement regarding interest coverage  
15 to be able to issue more debt?

16 A. I do not know the specific indenture  
17 requirements. In my discussions with Mr. Eliassen, I  
18 was led to indicate that this was not a consideration.  
19 It was not a binding constraint. In my experience,  
20 there is usually some default provision in the  
21 indenture, but it's usually well below the requirements  
22 for rating agencies and corporate managements own  
23 standards so that it only comes into play when you are  
24 in an extreme situation.

25 Q. At September 30th, 1999, Avista had 264.6

00769

1 million of convertible preferred stock outstanding,  
2 didn't it? I obtained this from the 10-Q.

3 A. That sounds correct, yes.

4 Q. You didn't include the cost of this  
5 convertible preferred stock in your cost of preferred,  
6 did you?

7 A. I used the cost as of June 30th, 1999.

8 Q. Did you use the convertible preferred stock?  
9 On your Schedule 2, do you show any?

10 A. I don't, no. I don't see where it's listed  
11 on Schedule 2.

12 Q. So the answer is no, you didn't include it?

13 A. The answer is no, I didn't include it.

14 Q. Then it is the case that if this amount of  
15 convertible preferred stock were considered common  
16 equity capital, would you accept subject to check that  
17 Avista's common equity ratio at September 30th, 1999,  
18 would you 42.8 percent?

19 A. Yes. If you can assume it's converted to  
20 equity, it would increase the ratio, and that number  
21 sounds in the ballpark to me.

22 Q. Why did the Company issue convertible  
23 preferred stock?

24 A. I believe that stock was issued in the  
25 context of the dividend cut.

00770

1 Q. Do you know to whom it was issued then?

2 A. I think it was issued to shareholders who  
3 preferred to try to maintain their income.

4 Q. At the time when the Company issued the  
5 convertible preferred stock, did they contemplate that  
6 it would, in fact, be converted?

7 A. I think they contemplated it as a mechanism  
8 to maintain the income for those individuals who were  
9 adversely affected by the dividend cut, and I think  
10 subsequently, the stock has been converted.

11 Q. Do you know when it was converted?

12 A. I believe in February of this year.

13 Q. Do you have any records of that, or does the  
14 Company have records of that?

15 A. I'm sure the Company does. Since my capital  
16 structure was based on the industry hypothetical, and  
17 since I was using the component cost related to the  
18 utility, it was not picked up or relevant to my  
19 analysis.

20 In the materials that I have reviewed, the  
21 Value Line reports, the Merrill Lynch, the Goldman  
22 Sachs reports, the Moodys, and Standard and Poor  
23 reports, there is discussion of this transaction, so I  
24 was aware of the transaction, and it is something of  
25 interest to those that follow the Company, but for the



00771

1 purposes of cost of capital where we are using the  
2 hypothetical industry capital structure and the  
3 component cost related to the utility, it just didn't  
4 figure.

5 Q. Is it your testimony that all of that  
6 convertible, the 264.6 million dollars of convertible  
7 preferred, that all of it was converted in February?

8 A. I really don't know. I haven't focused on  
9 it. I know there was a major conversion in the last  
10 several months. I don't know if it was all of it or  
11 matters of it or how it was executed.

12 MS. TENNYSON: If the Company could provide  
13 to us an indication of how much of this was converted,  
14 I would ask for that as a record's requisition.

15 JUDGE SCHAER: That would be No. 25. Is that  
16 something the Company can provide, Mr. Meyer?

17 MR. MEYER: We can do it.

18 Q. (By Ms. Tennyson) Dr. Avera, I would like  
19 you to review the remainder of the exhibits that we  
20 have presented. I believe they are all responses to  
21 data requests, and just let us know whether these are  
22 responses prepared by you or under your supervision or  
23 direction.

24 A. Does this include the ones that were  
25 indicated earlier as well as the ones you handed to me

00772

1 today?

2 Q. Yes.

3 A. I believe they are. I looked at the ones --  
4 with the expectation of the economic report, which we  
5 talked about.

6 Q. That's correct. Are these true and correct  
7 to the best of your knowledge?

8 A. Yes, ma'am, they are.

9 MS. TENNYSON: I would move the admission of  
10 Exhibits 103 through 118 and 128 through 134.

11 JUDGE SCHAER: Any objections?

12 MR. MEYER: No objection.

13 JUDGE SCHAER: Those documents are admitted.

14 MS. TENNYSON: I have no further questions of  
15 this witness at this time.

16 JUDGE SCHAER: Mr. ffitch, did you have  
17 questions for witness?

18 MR. FFITCH: I do have some questions. I  
19 would like to request a short recess at this time  
20 before we continue, with the leave of the Bench.

21 JUDGE SCHAER: Why don't we take our  
22 afternoon recess at this time. Please be back at 2:50.  
23 We are off the record.

24 (Recess.)

25

00773

CROSS-EXAMINATION

1

2 BY MR. FFITCH:

3

4 Q. Good afternoon, Dr. Avera. My name is Simon  
5 ffitch. I'm the assistant attorney general with the  
6 Office of Public Counsel representing consumers in this  
7 case. Dr. Avera, I'd like to start out by asking if  
8 you agree with me that your testimony in this  
9 proceeding addresses two main areas: one, capital  
10 structure, including the imbedded cost of debt  
11 preferred stock, and two, the cost of equity capital.

11

A. Yes, Mr. ffitch, I can agree on that.

12

13 Q. We are off to a good start. I'd like to talk  
14 to you about the first area, capital structure,  
15 initially, but before I ask you about the specifics of  
16 your testimony, I'd like to ask you a general or  
17 hypothetical question about capital structure.

17

18 Let's say that we have two utilities, Utility  
19 A and Utility B, and they have identical business risk.  
20 They are the same size. They have the same generation  
21 characteristics and the same customer mix. Okay so  
22 far?

22

A. Yes, sir.

23

24 Q. Let's assume that Utility A is capitalized  
25 with more equity and less debt than Utility B; that is,  
Utility B has used more debt capital to finance its

00774

1 assets. Are you still following?

2 A. So A has more equity, less debt. B has less  
3 equity, more debt.

4 Q. Right. You could assume that they have sort  
5 of the opposite amounts. My little chart that I made  
6 for myself shows Company A having six units of equity  
7 and four of debt; whereas Company B has four of equity  
8 and six of debt, just as an example.

9 A. Yes, sir.

10 Q. Am I correct to understand that in this  
11 hypothetical, Utility B has a higher cost of equity  
12 capital than Utility A?

13 A. In your theory hypothetical, that would be  
14 the case. The cost of equity to Utility B would be  
15 less than Utility A. We can't say as to what the  
16 weighted average cost would be, but just the equity  
17 component I think would unambiguously be higher for  
18 Utility B.

19 CHAIRWOMAN SHOWALTER: Wait a minute.

20 THE WITNESS: Utility A would have the lower  
21 cost of equity, given all the assumptions you've made.  
22 Utility B would have the higher cost of equity.

23 Q. (By Mr. ffitch) Thank you. Now let's turn  
24 to Exhibit 102 to your Schedule WEA 5. That schedule  
25 shows the capital structure that you are recommending

00775

1 for this proceeding; is that right?

2 A. That is correct.

3 Q. In Exhibit 102, just for reference of parties  
4 and the Bench parties, it is midway through the  
5 exhibit, Page 1 of 1, Schedule WEA-5. That capital  
6 structure is the average capital structure of a sample  
7 of companies that have both gas and electric  
8 operations. I believe you testified earlier to that  
9 effect; right?

10 A. That is correct, and we also checked it  
11 against some other benchmarks, so it seems to be a  
12 pretty good industry representative capital structure.

13 Q. That capital structure that you recommended  
14 here is not, again, the actual capital structure of  
15 Avista, is it, Dr. Avera?

16 A. No, it is not.

17 Q. Was it your decision to utilize a sample  
18 group average capital structure in this proceeding, or  
19 did you present this testimony at the request of the  
20 Company?

21 A. I recommended that we do a hypothetical  
22 capital structure based on the industry. We had done  
23 it differently in Idaho, and I felt this was a better  
24 way to proceed, and the Company agreed with me.

25 Q. Although the percentages of capital that you

00776

1 recommend for a ratemaking capital structure are not  
2 those of Avista -- I'm stool looking at WEA-5 here --  
3 the imbedded cost rates are correct, and just again,  
4 sort of pointing to the exhibit, we are talking about  
5 the numbers under "component cost."

6 A. Yes. I'm glad you agree they are correct,  
7 and they are the numbers for Avista.

8 Q. Those are the cost rates that are Avista's,  
9 in other words.

10 A. Yes, Mr. ffitich.

11 Q. We just kind of keep our finger on this  
12 exhibit and go over to WEA-2, all still part of Exhibit  
13 102. It's a few pages earlier, and I'm going to Page 2  
14 of WEA-2, Page 2 of 6. We see that the imbedded cost  
15 rate of debt that you use, 7.83 percent, is actually  
16 Avista's imbedded cost rate for long-term and  
17 short-term debt at June 30th, 1999; correct?

18 A. That is correct for that that is associated  
19 with the utility.

20 Q. And that number appears in sort of the far  
21 bottom right-hand corner of this exhibit in the far  
22 right column opposite "total debt," just for location  
23 on the exhibit; isn't that right?

24 A. That is correct. The 7.968 is the long-term  
25 component, and then we averaged in the lower short-term

00777

1 component, and the weighted average is 7.832 that I  
2 actually use.

3 Q. Now, if we look at going back even further to  
4 the front of this exhibit, WEA-1 -- again, still on  
5 Exhibit 102. We've seen this before in previous  
6 cross-examination -- we see the source of the capital  
7 structure that you recommended in this proceeding;  
8 isn't that correct?

9 A. Yes.

10 Q. Is the debt that you show there, the 47  
11 percent, comprised of long-term and short-term debt? I  
12 think you've already answered this question.

13 A. I think I answered it in the negative that it  
14 is the long-term debt, not the short-term.

15 Q. And I just wants to get a clarification here.  
16 Again, there was previous examination on this point,  
17 but have you provided support on this issue in your  
18 work papers with regard to the components of debt from  
19 this combination utility group?

20 A. In my work papers, I have the pages from the  
21 10-K that we got off the Internet from the Free Edgar  
22 service, and these numbers are drawn from those  
23 Internet sheets, that they were printed out off the  
24 Internet.

25 Q. If I recall, you had indicated you were going

00778

1 to, if necessary, supplement that information to  
2 respond to a record requisition. Am I remembering  
3 correctly?

4 A. Yes. The request was what would those  
5 numbers be if short-term debt were included, and I  
6 haven't had a chance to look if in every case the pages  
7 I pulled off the Internet have sufficient information  
8 on the short-term debt to calculate this with a  
9 short-term debt included.

10 Q. Do you have those work papers in the hearing  
11 room today?

12 A. Yes, I do.

13 Q. I may just ask after we are off the record to  
14 just take a look at those so that we can help locate  
15 them within our own set.

16 A. Certainly.

17 Q. You were Avista's cost of capital witness in  
18 last year's rate case in Idaho; correct?

19 A. I was.

20 Q. And you addressed capital structure and the  
21 cost of equity in that proceeding as well; is that  
22 right?

23 A. Yes, I did.

24 Q. Now I'd look you to turn to our  
25 cross-examination Exhibit 119. This is a thick



00779

1 exhibit. In that request, we asked the Company to  
2 provide a complete copy of your testimony in the most  
3 recent proceedings before the Idaho PUC as well as any  
4 PUC orders, and this was your response, is it not? You  
5 did, in fact, provide that testimony and that order?

6 A. Yes, sir, we did.

7 Q. The capital structure you recommended in  
8 Idaho was Avista's actual capital structure, and it was  
9 not based on a sample of firms; correct?

10 A. It was the actual utility capital structure.

11 Q. Of Avista Corporation; correct?

12 A. Yes.

13 Q. Was it your decision to use Avista's actual  
14 capital structure in that case, or did you present that  
15 testimony at the request of the Company?

16 A. At the time, we discussed with the Company  
17 what should be done because --

18 Q. Excuse me. Who is "we"?

19 A. The people in my shop, Adrian McKenzie, who  
20 worked with me closely on this testimony. When we had  
21 a chance to look at the capital structure for Avista,  
22 we noted to the Company that it was out of line with  
23 industry norms, and I indicate that on Page 23 of my  
24 Idaho testimony, but in discussing it with the Company,  
25 the Company said their preference was to be consistent

00780

1 with what they had done in Idaho previously and go with  
2 the actual utility capital structure. In my written  
3 testimony, I noted it was out of line and that using  
4 this capital structure there should be some recognition  
5 of the capital structure being less equity and more  
6 debt than the comparable companies in determining the  
7 cost of equity.

8 Q. I'm sorry. You mention in your answer that  
9 in your testimony in Idaho, you stated that your  
10 testimony in support of actual capital structure was  
11 out of line; isn't that right?

12 A. No. My testimony was that the actual utility  
13 capital structure for Avista was out of line with  
14 industry norms.

15 Q. Let's get back to my question and make sure I  
16 understand. Your answer essentially is that you were  
17 directed by the Company to use the actual capital  
18 structure for Avista Corporation in Idaho; is that your  
19 answer?

20 A. That's not quite correct, Mr. ffitch. The  
21 correct answer is we discussed it. The Company  
22 indicated that they had a preference for using the  
23 actual capital structure and that that had been the  
24 practice in Idaho, so based on that, that's the way I  
25 proceeded. It was not like -- I guess in my military

00781

1 background coming out, I determined the word "directed"  
2 meaning like there is an order. You shall provide us  
3 with what you think. I think the use of this capital  
4 structure was an agreement we reached with the Company  
5 that was mutual.

6 Q. Can you point out in your Idaho testimony  
7 where you state that setting rates on Avista's capital  
8 structure is a bad idea, or if you do state that in the  
9 Idaho testimony?

10 A. On Page 24 at Line 25.

11 Q. Is that in your direct testimony?

12 A. It is.

13 Q. Page 24, and that is Exhibit 119 in this  
14 proceeding, and that's your answer. That is where,  
15 according to your testimony here, you state that the  
16 use of capital structure is a bad idea; is that  
17 correct?

18 A. No. I say that it has more debt and less  
19 equity than the industry benchmarks, and then  
20 continuing on on Page 26, I discuss how hypothetical  
21 capital structures are used, and then finally on Page  
22 27, I discuss the implication of using the requested  
23 capital structure.

24 Q. Now, the capital structure you recommended in  
25 Idaho was adjusted to remove the Company's investment

00782

1 in unregulated operations, was it not?

2 A. Yes, sir, it was.

3 Q. Did you recommended that the equity capital  
4 of unregulated operations be removed from the  
5 ratemaking capital structure in Idaho because you  
6 believe that utility ratepayers should not be required  
7 to provide a return on non-utility equity capital?

8 A. No, sir. I did that because I was advised  
9 that that had been the practice of Avista in its  
10 presentations before the Idaho Commission --

11 MR. MEYER: I don't believe the witness is  
12 finished.

13 MR. FFITCH: I believe he answered the  
14 question.

15 MR. MEYER: Were you finished?

16 THE WITNESS: No, I was not, because in part  
17 of Mr. ffitch's question, there was an implication of  
18 the motivation for my taking out the unregulated  
19 subsidiaries equity, which was inconsistent with the  
20 facts.

21 MR. FFITCH: Your Honor, I asked a yes or no  
22 question.

23 JUDGE SCHAEER: Mr. ffitch, would you read the  
24 question again, please?

25 MR. FFITCH: I believe I got the answer. I'd

00783

1 be happy to: Did you recommend that the equity capital  
2 be removed from the ratemaking capital structure in  
3 Idaho because you believe that utility ratepayers  
4 should not be required to provide a return on  
5 non-utility equity capital?

6 The witness responded, to my recollection,  
7 "No. I did that because it was the Company's  
8 preference to reflect prior practice in Idaho." The  
9 witness then began to continue with an explanation. I  
10 would prefer those explanations, Your Honor, come in  
11 response, if at all, to redirect from Avista's counsel.

12 JUDGE SCHAER: I'm going to overrule your  
13 objection, Mr. Meyer. It appears to me it was a yes,  
14 no question, and there were any dozen of other reasons  
15 why the witness made the recommendation other than the  
16 one cited in the question, it will be perfectly  
17 appropriate for him to say no.

18 MR. FFITCH: Thank you Your Honor.

19 Q. (By Mr. ffitich) Dr. Avera, would it be fair  
20 to say that you do believe that utility ratepayers  
21 should be required to provide a return on non-utility  
22 equity capital?

23 A. No. I don't think that is the effect of what  
24 was done here.

25 Q. I'd like to refer you now to what has been

00784

1 marked for identification as Exhibit 120. We are  
2 moving now out of the Idaho exhibits. Exhibit 120 was  
3 prepared by the Public Counsel office. This shows your  
4 recommended capital structure at the top, and the  
5 capital structure you recommended in Idaho last year at  
6 the bottom.

7 A. Mr. ffitich, I do not have a copy of this.

8 MR. MEYER: I'd be happy to provide one.

9 JUDGE SCHAER: Mr. Meyer, this is not the  
10 first time this has come up. Was this witness not  
11 provided with the cross-exhibits?

12 MR. MEYER: Your Honor, he has them. He has  
13 not numbered all of them since he arrived late last  
14 night.

15 JUDGE SCHAER: Okay. I just wanted to make  
16 sure you had them available for him when they came to  
17 you as closely as possible. Go ahead.

18 Q. (By Mr. ffitich) Just to start again, now  
19 that you've actually had a chance to look at what I'm  
20 talking about. The top of this exhibit, which was  
21 prepared by my office, incorporates two representations  
22 of the capital structure from your exhibits in this  
23 proceeding and the Idaho proceeding.

24 At the top of the page is the Washington  
25 capital structure recommended in this case, and bottom

00785

1 is the capital structure you recommended in Idaho last  
2 year. We've taken the liberty of combining the  
3 long-term debt from the Idaho exhibit down below it as  
4 you will see where it says "debt, long- and  
5 short-term," so that visually, they are more easily  
6 comparable, and I'll give you just a little bit of  
7 time, if you need it, to confirm that these are sort of  
8 accurate representations from these two exhibits of  
9 yours.

10 A. Yes, sir.

11 Q. One of the things I notice when looking at  
12 your capital structure recommendations is that the cost  
13 rate for each type of capital debt, preferred stock,  
14 preferred trust securities, et cetera, are quite  
15 similar; would you agree?

16 A. That is correct.

17 Q. However, with respect to the amounts of each  
18 type of capital, the amounts are very different; for  
19 example, in Idaho, you recommended a ratemaking equity  
20 ratio of about 37-and-a-half percent. In Washington,  
21 you recommend 47 percent. The debt component for  
22 Avista you used last year in Idaho was about 52  
23 percent, and in the instant cases 47 percent; is that  
24 correct?

25 A. That's correct.

00786

1 Q. And also the amount of preferred stock and  
2 preferred trust securities you recommend in this case,  
3 based on the average of your sample group, is quite  
4 different than the actual amounts of the type of  
5 capital that Avista employs according to your testimony  
6 in Idaho; right?

7 A. It is.

8 Q. So in Idaho, you recommend that rates be set  
9 using more of the low cost capital. In Washington, you  
10 recommend that rates be set using more of the high cost  
11 capital or equity; isn't that right?

12 A. Capital structures were different and more  
13 equity in Washington than in Idaho.

14 Q. So my characterization was correct?

15 A. Yes. I didn't say high cost or low cost. I  
16 recommended different capital structures based on  
17 different approaches to capital structures in the two  
18 states.

19 Q. We see also that due primarily to the  
20 difference in capital structure that you recommended,  
21 the overall cost of capital for the same company is  
22 9.447 in Idaho versus the 9.93 you recommend here;  
23 right, as shown on this exhibit also?

24 A. That's both the effect of capital structure  
25 and a change in the cost of equity as well, so the two



00787

1 moving parts, capital structure and equity return.

2 Q. If we were to take the 9.93 percent overall  
3 return you recommend in this proceeding based on the  
4 average capital structure of a sample group of  
5 companies and plug it in down below as the overall  
6 return for Avista's actual capital structure you used  
7 in Idaho, it would just be a matter of algebra,  
8 wouldn't it, to figure out what return on equity would  
9 be applied?

10 A. To take the components from this case --

11 Q. You want me to walk through that again?

12 A. Yes, please.

13 Q. It's quite a bit in one mouthful. I'll just  
14 ask it again. We would take the 9.93 percent overall  
15 return that you recommend in this proceeding. You can  
16 see that number up in the top spread there of the  
17 Washington capital structure.

18 A. Yes, Mr. ffitch.

19 Q. And based on the average capital structure of  
20 a sample group of companies, plug it in down below as  
21 the overall return for Avista's actual capital  
22 structure used in Idaho, it would just be a matter of  
23 algebra, would it not, to figure out what return on  
24 equity would be applied?

25 A. You could do the algebra. There is an apples

00788

1 and oranges since you are looking at two different  
2 points in time, and there is a change in the component  
3 cost.

4 Q. Right, but if you just did the algebra, would  
5 you accept subject to check that the return on equity  
6 that would be produced using Avista's utility-only  
7 capital structure shown on the bottom of this exhibit  
8 and the 9.93 percent overall cost of a capital you  
9 recommend here, the results of equity return would be  
10 13.82 percent.

11 A. That algebra sounds correct. I don't think  
12 you can draw much meaningful inference from the  
13 algebra. I assume it's correct. I haven't checked it,  
14 but the order of magnitude seems correct.

15 Q. Subject to check, and that's more than 100  
16 basis points higher than you testify is reasonable for  
17 the Company; correct?

18 A. No, sir. My testimony of the reasonableness  
19 is based on the capital structure that I used in this  
20 case. So you are applying a return from this case to a  
21 capital structure from an old case, and I think that's  
22 an apples and oranges exercise.

23 Q. My question was, if you do the algebra,  
24 however, that yields a 13.28 percent return on equity  
25 and that, in fact, is over 100 basis points higher than

00789

1 the 12.25 percent?

2 A. 13 is higher than 12, but those are not  
3 equivalent numbers.

4 Q. The Idaho Commission accepted your  
5 recommended capital for ratemaking purposes in last  
6 year's proceeding, didn't they?

7 A. Yes, they did.

8 Q. But they did not accept your cost of equity  
9 recommendation, did they?

10 A. No, sir, they did not.

11 Q. And the Idaho Commission allowed the Company  
12 a 10.75 percent return on equity and the 37 percent  
13 equity ratio; correct?

14 A. Yes, sir.

15 Q. I realize you disagree with that assumption,  
16 but let's assume that the Idaho Commission was right on  
17 the money, and Avista's cost of equity capital with a  
18 37.5 percent equity ratio is 10.75 percent. Can you  
19 follow that assumption? Do you have that in mind?

20 A. Yes, sir.

21 Q. If the Company's equity ratio increases from  
22 37.5 percent to 47 percent, cost of equity should  
23 decline below that 10.75 percent level; correct? It's  
24 a matter of mathematics, is it not?

25 A. I don't understand. If you increase the

00790

1 common equity and preserve the weighted average cost of  
2 capital? Hold that constant?

3 Q. No. Let me walk you through this again.  
4 Cost of equity capital -- let's assume that the Idaho  
5 Commission is correct; that the cost of equity capital  
6 with 37.5 percent equity ratio is 10.75 percent.

7 A. That they were correct in 1999 when they made  
8 that estimate in July.

9 Q. You have that assumption in mind. If the  
10 Company's equity ratio increases from 38-and-a-half  
11 percent to 47 percent, the cost of equity should  
12 decline below that 10.75 percent; right?

13 A. We would have to freeze this in time because  
14 they are all moving parts, but if the Idaho Commission  
15 had been correct in 1999 about the cost of equity, and  
16 if you made no other change other than change the  
17 amount of equity in the capital structure and reduce  
18 every other component of the capital structure and you  
19 preserve the rate of return, then as a matter of  
20 mathematics, the equity cost will go down.

21 Q. I'd like you to look at another cross  
22 exhibit. This is 121. It's the next page, and again,  
23 this exhibit was prepared by my office. At the top of  
24 that page is the capital structure you recommended in  
25 Idaho with one change. The component cost for common

00791

1 equity is 10.75 percent, which is actually the amount  
2 adopted by the Commission. That's been plugged into  
3 the capital structure this time.

4 A. Yes, sir.

5 Q. Your capital structure, along with the  
6 Commission's equity award of 10.75, produced an overall  
7 return of 8.979; correct?

8 A. Yes, sir.

9 Q. That's shown on the top half of this exhibit.  
10 This exhibit also shows that if you use that overall  
11 return -- I'll call it 8.98 percent rounding up --  
12 that's applied to the capital structure in imbedded  
13 cost rates you recommend in Washington, the allowed  
14 return on equity would have to fall to 10.23 percent;  
15 isn't that right?

16 A. That is correct. If you are going to freeze  
17 the rate of return, the weighted cost of capital, the  
18 only way you can get there is to drop the cost of  
19 equity if you freeze every other moving part.

20 Q. That's what this exhibit shows, does it not,  
21 if you take that 8.979 from the top half, bring it down  
22 below to the Washington section of the chart as the  
23 outcome, your outcome is given that it's 8.98 percent.  
24 If you back up your calculations, you have to come out  
25 with a 10.23 percent common equity, do you not?

00792

1       A.       Right.  If you freeze the outcome, the only  
2 way to get there with a new capital structure is to  
3 change the one moving part, which is the cost of  
4 equity.

5       Q.       I only have a couple more questions about  
6 capital structure and then I'll move on to cost of  
7 equity capital, but I'd like to look for a moment at  
8 the issue of Avista's utility-only capitalization.  As  
9 we've already discussed, in your recommended capital  
10 structure in Idaho last year, you elected to remove the  
11 unregulated equity investment of Avista from a  
12 consolidated capitalization for ratemaking purposes;  
13 right?

14       A.       Yes, sir.

15       Q.       According to the testimony you provided here  
16 in Washington, that amounted to about 240 million  
17 dollars of equity out of a total consolidated  
18 capitalization of 1.6 billion, and I'm referring to  
19 numbers that are on your schedule WEA-1 if you need to  
20 check those.

21       A.       You mean in the WEA-1 in the Idaho testimony?

22       Q.       Yes.  I apologize.  I was referring to that.

23       A.       Yes, sir.

24       Q.       That's our Exhibit 119.  I'd like you to look  
25 at Avista's response to Public Counsel Data Request 24,

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1 and that's been marked for identification as Exhibit  
2 122, so in the books, that's the exhibit right after  
3 the chart we went through, capital structure tables we  
4 were just looking at.

5 A. Yes, sir.

6 Q. Then if we could turn to the second page of  
7 that response, I'd like you to look at the right-hand  
8 column. That represents the amounts from the Company's  
9 consolidated balance sheet as of September 30th,  
10 doesn't it?

11 A. Yes, sir.

12 Q. Would you agree that if we took the total  
13 amount of common equity, which is 432 million dollars,  
14 and added that to the convertible preferred of 264.5  
15 million which totaled 696.5 million -- I see you are  
16 reaching for your calculator so I'll let you punch  
17 those in. I think again we are covering some ground  
18 that may have been touched on before.

19 A. Yes.

20 Q. And that adds up to 1.628 billion, subject to  
21 check?

22 A. I lost you somewhere. We add the convertible  
23 preferred stock, which we should add that to equity.  
24 The equity balance is 432. I get 696.

25 Q. Right, and then we divide that by the total

00794

1 amount of capital at 1.628 billion, which is just as  
2 the bottom of that column, and we come up with a  
3 consolidated equity ratio of about 43 percent; is that  
4 right?

5 A. Yes.

6 Q. That's for the consolidated operations of  
7 Avista, regulated and unregulated; correct?

8 A. Yes, but we have added in the notes payable  
9 to be refinanced so we have included the short-term  
10 debt in this calculation.

11 Q. Now I'll ask you to turn to Exhibit 123  
12 marked for identification. This is the Company  
13 response to Data Request 33, and the document itself is  
14 the most recent Avista 10-K.

15 JUDGE SCHAER: What exhibit number, Mr.  
16 ffitch?

17 MR. FFITCH: Exhibit 123, Your Honor. What  
18 we were provided with was the 10-Q.

19 JUDGE SCHAER: So you asked for the 10-K and  
20 you got the 10-Q?

21 MR. FFITCH: That's what we've submitted with  
22 the exhibit, Your Honor, yes.

23 Q. (By Mr. ffitch) I'd like you to look at Page  
24 5, and this exhibit is only admittedly excerpts from  
25 the entire 10-Q, and we've provided Page 5. The top



00795

1 half of that page, we see under the heading, "other  
2 property and investments" an entry for "non-utility  
3 property and investments - net," which is 154 million  
4 dollars; correct? Do you see that figure? That's in  
5 the first --

6 A. This is Page 5 of the September 30, 1999,  
7 10-Q?

8 Q. Yes. It's the first column of numbers under  
9 the heading September 30th, the category, "other  
10 property investments," second entry --

11 A. Non-utility net \$154,055.

12 Q. Right, 154 million; correct?

13 A. Yes.

14 Q. This level of unregulated investments is  
15 lower than the amount you removed from equity capital  
16 in Idaho; correct? That amount was 240 million?

17 A. Yes.

18 Q. So Avista currently has a smaller unregulated  
19 investment than it had when did you your review in  
20 Idaho; is that right?

21 A. I think we want to make sure we have apples  
22 to oranges because it was a different time period, but  
23 also I would like to take a few minutes to make sure --  
24 like the energy commodity assets, some of those may be  
25 in the unregulated energy trading activities, so I'm

00796

1 not sure those are equivalent numbers.

2 Q. As far as the time frame of my question, I  
3 did ask you whether currently there was a smaller  
4 unregulated investment, but I accept the rest of your  
5 answer.

6 A. But I think this whole caption of other  
7 property investment, you have a caption for utility  
8 property and all of the things here are other than  
9 utility, so the non-utility property investment is one  
10 of the things that goes into the non-utility property.

11 Q. So you don't know for sure whether this is  
12 the extent of the unregulated investment shown on this  
13 balance sheet; is that right?

14 A. That's correct.

15 Q. If you will assume just for purposes of my  
16 question that that is the extent of the unregulated  
17 investment, and I understand you answered that you are  
18 not certain about that, but if you would assume that it  
19 is 154 million, we calculated a moment ago the current  
20 consolidated common equity ratio to be about 43  
21 percent. If you removed 154 million of unregulated  
22 equity from that calculation to produce a utility-only  
23 capital structure -- this is some more math coming at  
24 you here -- would you agree that the result of that  
25 calculation would be an equity ratio of approximately

00797

1 33 percent?

2 A. I could calculate that. Now remember in our  
3 exercise, we did not take out the short-term debt, so  
4 this 43 percent equity ratio includes the short-term  
5 debt in the capitalization before we start taking out  
6 this particular caption of non-utility properties. I  
7 think it's closer to 44 percent if we take out the  
8 short-term debt.

9 Q. The only thing we are changing here is we are  
10 starting with the 696 million that we had before in our  
11 prior calculation?

12 A. But I noted in the prior calculation we did  
13 not take out the 103.5 million of short-term debt.

14 Q. So it's your testimony that that needs to be  
15 done to calculate the correct equity ratio?

16 A. Yes, sir.

17 Q. Do these data indicate that Avista's utility  
18 operations are more leveraged now than when you filed  
19 your testimony in Idaho?

20 A. No, sir. I don't think we can draw that  
21 inference from the calculations that we've done.

22 Q. You testify in this proceeding that utility  
23 risk is increasing due to uncertainties attendant to  
24 retail competition. Do you believe it represents  
25 prudent financial policy to increase leverage during a

00798

1 time when operational risk is increasing?

2 A. I think as I discussed earlier, the factors  
3 that go into the management's decision about leverage  
4 involve many considerations, and that's why it's  
5 prudent for a commission to decouple management's  
6 leverage decisions from the commission's fair rate of  
7 return decisions.

8 Q. You have taken issue with the hypothetical  
9 calculations that I have presented to you a moment ago,  
10 which resulted in a 33 percent equity ratio. Let me  
11 ask you, accepting your disagreement with that  
12 calculation but assuming a 33 percent equity ratio, do  
13 you believe that that represents a prudent financial  
14 policy for a combination gas and electric utility  
15 operation today?

16 A. I think it depends on the circumstances of  
17 the utility, their long-term objectives. I don't think  
18 it would be representative of the industry or  
19 representative of what the rating agencies require, and  
20 that's why I don't think it ought to be used for  
21 ratemaking purposes.

22 Q. So are you saying that that is not a prudent  
23 financial policy to be in that kind of a leveraged  
24 position?

25 A. I say my response, Mr. ffitch, is I can't say

00799

1 just looking at those facts. I look at the whole  
2 situation. The best policy for the Commission is to  
3 get them out of the question of judging the prudence of  
4 the particular capital structure at a point in time and  
5 use a hypothetical which gets them out of that kind of  
6 necessary decision. Let management make the leverage  
7 decision.

8 Q. Do you disagree that highly leveraged  
9 company, the company carrying a high degree of debt is  
10 facing a higher degree of risk than a company with low  
11 leverage with a low debt load level?

12 A. No. It depends on all the other facts and  
13 circumstances. You can have a highly leveraged --

14 Q. I'm not asking about all the other facts and  
15 circumstances. Let's say all other facts and  
16 circumstances equally, a highly leveraged company faces  
17 more risks, does it not?

18 A. Well, if we assume that the business risk is  
19 the same and the company overlays that with more  
20 financial risk, then the end result is greater risk --

21 Q. Thank you --

22 A. -- but the business risk has to be the same.

23 Q. I guess I'm trying to -- given that answer,  
24 which what I'm trying to get at is, if we are, as you  
25 appear to be saying in your other testimony, if the

00800

1 utility companies, including Avista, are facing  
2 increasing risk in their environment, then is it a  
3 prudent decision for the utility company to place  
4 itself in a more highly leveraged position?

5 A. I don't think you can judge the prudence just  
6 on the information you've given in your hypothetical.  
7 I think it depends on the other circumstances the  
8 utility is looking at. So the capital structure that a  
9 utility has in a point in time is a function of their  
10 strategy, their earnings, what they anticipate their  
11 future earnings to be, what they anticipate their  
12 future securities issues to be, so I don't think you  
13 can just look at a change in leverage and say it  
14 implies that there has been imprudent behavior. I  
15 don't think that follows.

16 Q. So you are saying it depends.

17 A. It depends, yes, sir.

18 Q. So as a matter of fact, in an environment of  
19 increasing risk, it may, in fact, be prudent for a  
20 company to place itself in a significantly higher  
21 degree of financial risk through leverage. You are  
22 saying that's, in fact, may well be a prudent thing to  
23 do.

24 A. We may observe a prudent management doing  
25 that because their leverage at a point in time fits in

00801

1 to some strategic objective that ultimately will lead  
2 the corporation into a better strategic position. I  
3 think a management who is trying to look at the  
4 leverage has to incorporate their strategy as to  
5 commercial growth, policy. All those kind of things go  
6 into a decision about the prudent leverage.

7           If a company has enormous opportunities that  
8 are not easily financed with equity or they were not  
9 financed equity at this point in time, it may be  
10 prudent for them to issue more debt to take advantage  
11 of those opportunities.

12       Q.     If the utility management elects to increase  
13 the leverage then, as perhaps you are suggesting,  
14 related to its utility operations during a time when  
15 risks are increasing, do you believe it would be  
16 reasonable for regulators to ignore that shift in  
17 capital structure?

18       A.     I think regulators need to evaluate whether  
19 that capital structure creates a problem, and I think  
20 they need to decide what capital structure they are  
21 going to use for ratemaking purposes. I think that's  
22 the reason that many commissions such as this one have  
23 chosen to use industry benchmarks for capital structure  
24 decisions so that they can decouple the effects of  
25 management from the ratemaking business of the

00802

1 commission.

2 Q. So does that mean you are saying it would be  
3 reasonable for regulators to ignore that shift in  
4 capital structure?

5 A. No. I think regulators need to be mindful of  
6 what the capital structure is, but I believe in many  
7 cases it is a better regulatory policy, and in this  
8 case certainly a better regulatory policy, to base  
9 their fair rate of return findings on industry  
10 benchmarks rather than try to chase down the behavior  
11 of the particular corporation at a particular point in  
12 time.

13 Q. I understand that's your testimony. I'm  
14 asking you if you believe that it would be reasonable  
15 for regulators to ignore that shift in capital  
16 structure.

17 MR. MEYER: I object. The question has been  
18 asked and answered at least twice. He may not like the  
19 answer, but it's been answered.

20 MR. FFITCH: I'm willing to take answers I  
21 don't like, but I'm not sure I've got an answer to that  
22 specific question about whether it would be reasonable  
23 or not for regulators to ignore the shift.

24 THE WITNESS: My answer is regulators should  
25 not ignore what's happening with capital structure, but



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1 that does not mean they need to use it determining a  
2 fair rate of return. It is usually best when you have  
3 a volatile capital structure situation to use a  
4 hypothetical benchmark for the capital structure  
5 decision in making a fair rate of return.

6 Q. After this rate case is over in calculating  
7 the achieved return on equity, will the net income  
8 which results from this case be applied to the level of  
9 Avista's equity capital which appears on its books or  
10 to a level of equity equal to 47 percent of the total  
11 capital?

12 A. I'm not sure in what context. What the  
13 investor will see is not what this commission orders.  
14 The investor will see the effects of the rates in  
15 Washington and the rates in every other jurisdiction  
16 and the costs on all the jurisdictions and what the  
17 accountants say the end result is.

18 The performance of the corporation is not  
19 solely a function of the findings of this commission.  
20 It's just one of the inputs that will determine  
21 ultimately what the realized rate of return on equity  
22 is for this corporation at any point in the future.

23 Q. I guess I'm asking about the application of  
24 the net income which results from this rate case?

25 A. The answer is no net income results from this

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1 rate case. What will result from this rate case is a  
2 new set of rates that people will pay as they consume  
3 electricity and gas in Washington, and that will be  
4 part of revenue that Avista realizes, and then there  
5 will be cost, and the result of the revenues minus the  
6 cost and all the other expenses will bottom down to the  
7 net income that Avista will ultimately realize. This  
8 commission is not setting income. It's setting rates.

9 Q. So your testimony is that although  
10 residential ratepayers will see a 14 percent increase  
11 in their rates if the request is approved that there  
12 will be no net income to the Company?

13 A. No, sir, I'm not saying that. I'm saying  
14 the Commission is not setting the net income for this  
15 Company. It's setting the rates that residential,  
16 commercial, and other customers will pay, and the  
17 ultimate effect on the net income is determined by many  
18 factors other than the rates that are set by this  
19 commission.

20 Q. So there is net income. I thought you had  
21 said earlier there was no net income.

22 A. The Commission does not set net income. That  
23 net income is the end result of consumers paying the  
24 rates, their usage, the cost, and all the other factors  
25 that will ultimately determine the performance of this

00805

1 corporation.

2 Q. We are perhaps a little at cross purposes  
3 here, but my question implies or assumes that there  
4 will be net income which results from this case. I did  
5 not say the net income which will be set by this  
6 commission. I just said the net income which results  
7 from this case be applied to the level of the equity  
8 capital which appears on the books or to a level of  
9 equity capital equal to 47 percent of total capital?

10 A. The net income will result in whatever the  
11 balance sheet says in that period that the net income  
12 is earned when you are calculating financial ratios  
13 like rate of return on equity.

14 Q. Now I'd like to turn to the issue of cost of  
15 equity capital. I don't have a large number of  
16 additional questions, just a couple of additional  
17 areas. You add 25 basis points to your cost of equity  
18 to account for the location costs; correct?

19 A. Yes, sir.

20 Q. You also add another 25 basis points to  
21 recognize management efficiency; correct?

22 A. Yes. As Mr. Dukich has recommended, the  
23 Company has demonstrated in their performance.

24 Q. So your bare-bones recommendation for cost of  
25 equity is 11.75 percent if you take out those two 25

00806

1 basis point adders; isn't that right?

2 A. Yes, sir.

3 Q. I'd like to ask you to refer now to what's  
4 been marked for identification as Exhibit 124. That is  
5 the Company's response to Public Counsel Data Request  
6 No. 43.

7 MR. FFITCH: And at this point, Your Honor,  
8 just as a point of clarification, we had marked two  
9 exhibits for this same document, Exhibit 124 and 125  
10 because of the subparts that go along with this  
11 request. I think that is unnecessary, and I would just  
12 like to clarify that we only really need to have this  
13 document identified as Exhibit 124, and we can simply  
14 withdraw or delete the identification for Exhibit 125.  
15 There is no separate document for Exhibit 125.

16 JUDGE SCHAER: I'll note then that you will  
17 withdraw Exhibit 125. Do you want 124 to be identified  
18 as Public Counsel Data Request No. 43B and C, or are  
19 you just getting rid of B?

20 MR. FFITCH: It could simply be response to  
21 Public Counsel Data Request No. 43.

22 JUDGE SCHAER: So we'll take out the  
23 subheading there. Thank you; go ahead.

24 Q. (By Mr. ffitich) In the question C on this  
25 data request, the Company was asked what the rate of

00807

1 impact of the 25 basis point increase and the cost of  
2 equity would be, and you responded that that would  
3 raise rates approximately 1.28 million dollars  
4 annually. Do you recall that?

5 A. Yes, sir.

6 Q. If a 25 basis point addition to the cost of  
7 capital cost ratepayers about 1.3 million annually,  
8 then a 50 basis point increase will, I assume, increase  
9 rates approximately twice that or 2.6 million annually?  
10 Some pretty basic math there?

11 A. Yes. We can agree on that.

12 Q. We are still on the same exhibit, but we are  
13 going to ask about Sub Question B. There, you were  
14 asked if the Company has presented any evidence  
15 regarding its intent to issue common equity in the  
16 future, and the answer you gave here is no. This is  
17 Question B and Answer B and the answer is no; correct?

18 A. Yes, sir.

19 Q. Now I'd like to get you to turn to Exhibit  
20 126, and that's the response to Public Counsel Data  
21 Request No. 36, and if could you look at Page 10, the  
22 second part of that, the first part is a Moody's  
23 report. The second part of that is a Standard and  
24 Poor's report, and I'm asking you to look at Page 10 of  
25 the Standard and Poor's report.

00808

1           If you look at the center column near the  
2 bottom, first of all, there is a heading "capital  
3 structure." In that first paragraph under "capital  
4 structure" near the end of the paragraph is a statement  
5 that Avista is currently in the middle of a share  
6 repurchase program of up to 10 percent of its common  
7 stock over the next two years; do you find that?

8           A.     Yes, sir.

9           Q.     So even though the Company has presented no  
10 evidence that it intends to issue new equity and is, in  
11 fact, currently buying back shares of stock from  
12 investors, do you still believe it's reasonable to  
13 charge ratepayers 1.3 million dollars a year to cover  
14 the cost of issuing stock?

15           MR. MEYER: Object to the form of the  
16 question. It assumes a fact not in evidence. The  
17 Company is currently not buying back its stock.

18           JUDGE SCHAER: Do you want to phrase this as  
19 a hypothetical based on the statement in this exhibit,  
20 Mr. ffitch?

21           MR. FFITCH: I'd be happy to.

22           Q.     (By Mr. ffitch) As a hypothetical question,  
23 assuming that the Company were to engage in a share  
24 repurchase program of the type described in the  
25 Standard and Poor's report, would you believe it would

00809

1 be reasonable to charge ratepayers 1.2 million dollars  
2 per year to recover the cost of stock issuance also  
3 assuming no plans to issue new stock as reflected in  
4 your response to the data request?

5 A. Yes, sir. Because that is an adjustment to  
6 reflect the effect on past stock issues; that the stock  
7 could not be in the hands of the public and the  
8 investors without having incurred those costs to move  
9 the stock from the Company into the public's hands.

10 Q. Earlier at some length, we discussed your  
11 recent testimony on behalf of Avista in Idaho, and as  
12 we noted, the Idaho Commission awarded the Company an  
13 equity return of 10.75 percent, while you recommended  
14 an equity return of 12 percent; correct?

15 A. Yes. We did agree on the flotation  
16 adjustment. Both the Commission and my testimony  
17 recommended a 25 basis flotation adjustment.

18 Q. I don't think I asked you about that. I just  
19 asked you about the equity return of 12 percent; is  
20 that correct?

21 A. Yes, sir. We differed on the equity return.

22 Q. In the Idaho testimony, as do you here, you  
23 use the multistage DCF analysis along with other  
24 methods to estimate the cost of equity capital;  
25 correct?

00810

1 A. Yes, sir.

2 Q. Even though the Idaho Commission elected to  
3 use a multistage DCF analysis, they rejected your  
4 particular version of the multistage DCF, did think  
5 not?

6 A. Yes, sir, they did.

7 Q. I'd like you to turn back to Exhibit 119, the  
8 first cross-examination exhibit, and the very first  
9 portion of that exhibit is the Idaho order. I'd ask  
10 you to turn to Page 23 in that order. If you could  
11 look at the second full paragraph and please read the  
12 first sentence beginning, "We are not inclined."

13 A. "We are no inclined to accept averse  
14 methodology as it can put too much weight on  
15 deregulated operations without assuring that regulated  
16 operations are not paying an excessive share of  
17 investor growth expectations for deregulated  
18 operation."

19 Q. Could you also read the next sentence,  
20 please?

21 A. "We are also uncomfortable come with the  
22 projection Avera uses to the 2008 to develop his  
23 recommended return requirements."

24 Q. Thank you. Now could you please turn to what  
25 has been marked for identification as Exhibit 127.



00811

1 This exhibit is a copy of the Company's response to  
2 Public Counsel Data Request 49, is it not?

3 A. Yes, sir.

4 Q. In that request, you were asked to provide  
5 the most recent data available for regulatory research  
6 associates regarding authorized common equity ratio and  
7 return on common equity?

8 A. Yes, sir.

9 Q. You provided this attached document. It's  
10 true, is it not, that publication -- perhaps before I  
11 ask you this question we'll get to the numbers. I'll  
12 ask you to turn to the second page of the actual  
13 exhibit. That is a table of numerical values. The top  
14 of the page says "average equity returns authorized  
15 January '89 to December of 1999." I believe it shows a  
16 Page No. 2 in the upper left-hand corner. Do you have  
17 that in front of you?

18 A. Yes, sir.

19 Q. It's true, is it not, that that publication  
20 shows that the average allowed return on equity for  
21 1999 for electric companies was 10.77 percent? That's  
22 in the very bottom band of the page?

23 A. Yes, sir, it does.

24 Q. And for gas companies, the average allowed  
25 return on equity was 10.66 percent?

00812

1 A. Yes, sir.

2 Q. Thank you.

3 MR. FFITCH: I'd like to offer Exhibits 119  
4 to 124 and 126 and 127 for the record.

5 JUDGE SCHAER: Any objection.

6 MR. MEYER: No objection.

7 JUDGE SCHAER: Those documents are admitted.

8 MR. FFITCH: I have no further questions.

9 Thank you, Dr. Avera.

10 JUDGE SCHAER: Do Commissioners have any  
11 questions?

12 CHAIRWOMAN SHOWALTER: I do.

13

14 CROSS-EXAMINATION

15 BY CHAIRWOMAN SHOWALTER:

16 Q. If I ask you any questions which seem to  
17 assume an incorrect fact or premise, please correct me,  
18 because I'm asking these questions out of genuine  
19 curiosity and not with any particular assumptions or a  
20 knowledge base in mind.

21 A. Yes, Commissioner.

22 Q. You talked about the view of investors  
23 looking at companies as containing a regulated part and  
24 a nonregulated part, and I think the percentages  
25 given -- forgive me. I don't remember what this

00813

1 represented -- a 3.5 percent and a 10.4 percent.

2 A. The regulated part would grow at a different  
3 rate than the nonregulated part; that the regulated  
4 part would grow at a 3.5 percent, which is what  
5 investors expected back when utilities are purer than  
6 they are now, and the 10.4 is more representative of  
7 what the investors expect competitive firms to grow at.

8 Q. Now I remember, and that was growth in  
9 earnings. Focusing now on the regulated portion of the  
10 business, I think there you provided either your own  
11 testimony or characterization of other investors' views  
12 that over time, transmission and distribution would  
13 remain regulated, and over time, generation would  
14 probably become competitive.

15 A. That's correct. In some shape, form, or  
16 fashion, but that's the general consensus view, I  
17 believe.

18 Q. Turning to the regulated part in the future  
19 of transmission and distribution, are you familiar with  
20 FERC Order 2000?

21 A. Yes, I am. I don't say that I'm conversant  
22 on it. I've tried to understand it, and I've talked to  
23 many others, and also 2008.

24 Q. To the extent that implementation of that  
25 order would result in companies turning over operation

00814

1 of their transmission to some kind of regional  
2 transmission authority or operator, does the loss of  
3 control of the trends of the Company's transmission  
4 affect in any way the projection of the growth in  
5 earnings for that component of the regulated business?

6 A. I think it affects it because the belief is  
7 that however they decide the ownership of the assets  
8 and the RTO's and ISO's and these other things are  
9 going to sort out, that those assets will probably be  
10 limited to regulatory type returns, whether they are  
11 owned by the same people that own them now or they are  
12 contributed to some new entity that owns the RTO  
13 assets, and that in order to encourage investment in  
14 those assets and to bear the risk of owning those  
15 assets, there will be a return and there will be a  
16 growth over time, so that's where the 3.5 percent  
17 comes.

18 Those assets that are still under FERC or  
19 state jurisdictions or some combination, however it  
20 rolls out, will be limited in return to the kinds of  
21 regulatory returns that traditionally have been applied  
22 in the utility arena, so that's why those will be  
23 limited to the 3.5 percent growth.

24 Q. So the fact that the operation of the  
25 transmission assets may take on a different form won't

00815

1 necessarily affect, in fact, you don't think will  
2 affect investors' expected returns or expected earnings  
3 growth on those assets?

4 A. No. I don't think so, because I think -- and  
5 I've just gotten a debriefing on some of the  
6 collaborative meetings that FERC has been holding  
7 around the country, but I think the parties have made  
8 pretty clear to FERC that these assets, for people to  
9 contribute them and for there continuing to be  
10 investment in transmission assets, and there is a lot  
11 of evidence that we've underinvested in transmission  
12 assets, it has to be attractive to investors.

13 So however they are run, the earnings on  
14 those assets have to be commensurate with the risk and  
15 sufficient to support the kind of growth that utilities  
16 have traditionally -- that investors who have supplied  
17 the money to utilities have come to expect in utility  
18 assets.

19 Q. Then I'd like ask a similar question about  
20 the distribution portion of the regulated portion of  
21 the business with respect to distributed generation and  
22 whether events there will have any effect, to the  
23 extent that the utility itself as part of its  
24 distribution responsibilities provides distributed  
25 generation to fulfill its distribution

00816

1 responsibilities. I take it that would not necessarily  
2 imply any change in the kind of return or growth one  
3 would expect in the distribution business.

4 A. I wouldn't think so. Again, what's really  
5 relevant is not what I think but what investors  
6 perceive, but I believe the view is that distributed  
7 generation is really a substitute for investment and  
8 distribution and transmission facilities so that rather  
9 than building lines of sufficient size and reliability  
10 to make sure everybody can get electricity all the  
11 time, you have electricity created closer to the end  
12 user, and that relieves you of a lot of the investment  
13 in the distribution and transmission infrastructure, so  
14 the distributed generation is kind of in lieu of  
15 investment and distribution and transmission.

16 Q. Does it make any difference in that analysis  
17 whether it's the utility investing in the distributed  
18 generation to shore up its distribution system versus  
19 customers going out to a Costco type place and buying  
20 distributed generation, whether or not the utility had  
21 planned on that?

22 A. Well, in terms of investment, I don't think  
23 it matters. I think if we get a real large amount of  
24 distributed generation, to maintain reliability and  
25 safety, there is going to have to be some dispatch in

00817

1 control to make sure that the output of distributed  
2 generators is harmonized with what is going on in the  
3 rest of the electric system because presumably, you  
4 will still have interconnected electric systems. So  
5 who actually makes the investment in the facilities I  
6 don't think is as important as that they are controlled  
7 as part of an integrated network, and I believe that's  
8 kind of what FERC is getting at.

9           Earlier this week, I was in Atlanta in a  
10 board meeting for Georgia Systems Operations  
11 Corporation. I'm outside director who manages the  
12 electric system for the 39 electric co-ops in the state  
13 of Georgia, and we spent three days talking about  
14 distributed generation and how we can encourage our  
15 cooperatives to invest in distributed generation but  
16 still control it in a way that insures the safety of  
17 the system and the reliability of the system.

18       Q.       So from an investor's point of view thinking  
19 about investing in a utility, if you are aware that  
20 maybe the utility doesn't fully control at least who is  
21 buying distributed generation but maybe can control  
22 that interconnection and how this distribution  
23 operates, that as long as that's the case, an investor  
24 shouldn't expect any particular change in earnings of  
25 the distribution system because of distributed

00818

1 generation?

2 A. I believe that's correct, because I think  
3 most investors expect that however distributed  
4 generation is integrated into the system, it's going to  
5 have to be under tight control and it's going to have  
6 to be consistent with the interest of all the people  
7 who rely on the electric system so that we are just  
8 kind of joined together. As long as we have an  
9 integrated electric system, and you introduce  
10 distributed generation in the nose of the  
11 interconnected electric system, that the investors know  
12 they will do this under a regulatory umbrella that they  
13 can expect the kind of returns that regulators will  
14 allow.

15 Q. My next question is changing your assumption,  
16 that there necessarily will remain an integrated grid.  
17 Supposing in some jurisdictions, probably not this one  
18 right away, distributed generation beats the grid in  
19 terms of price, and people go to Costco and buy their  
20 distributed generation as a stand-alone, get the fuel  
21 somehow, and get off the grid in some percentage, 10,  
22 15, 20 percent. If that's the phenomenon, does that  
23 change an investor's point of view of the distribution  
24 system?

25 A. I think if it becomes a really big trend, I



00819

1 think if we are talking about distributed generation in  
2 lieu of line extension so that you have distributed  
3 generators up in the remote Cascades where you don't  
4 have connection now, from an investor in the  
5 distribution and transmission assets, they just see  
6 that as less growth. They just don't extend into those  
7 more rural communities, but it would not affect the  
8 economics of those parts of the communities that are  
9 still interconnected to grid, and the grid still  
10 operates under some form of state and federal  
11 regulation, whatever form it may take after all the  
12 dust settles.

13 Q. What if distributed generation is looking  
14 even better, and people on the grid choose to use it  
15 instead of being on the grid in some significant  
16 measure, let's say, 10 or 20 percent?

17 A. That may happen, and I think that's why there  
18 has to be some risk in transmission and distribution  
19 assets; that even though the Commission may say, You  
20 have a monopoly. You will have the only grid in  
21 Western Washington, you can't make the customers use  
22 that grid. We have experience with monopolies like the  
23 street railways who nobody competed with them but they  
24 are gone because people got automobiles, so even if you  
25 are a monopoly and you have a blessing of the

00820

1 government to be in the business, you've got to earn  
2 the business of the consumer to stay in the business,  
3 and that's why there is still risk even in regulated  
4 monopolies.

5 Q. But by and large, do you think that the kind  
6 of 3.5 percent earnings growth and the risk that most  
7 people are assuming now does not include that last  
8 scenario I gave you or includes maybe a small risk of  
9 it happening.

10 A. I think they probably have thought about that  
11 last scenario, but they probably give it such a small  
12 probability that it doesn't weigh very large.  
13 Unfortunately, the future of the small probability  
14 things are usually what happens, but I think in terms  
15 of looking at things now, they realize that could  
16 happen but they don't say that's a big part of their  
17 investment calculates.

18 Q. In the discussion about using a hypothetical  
19 benchmark, I follow the arguments as to why  
20 hypothetical benchmark might be better than actual, but  
21 now looking at what the hypothetical is based on, it's  
22 based on 12 or so or more companies. Am I correct on  
23 that? It's based on an analysis of a group of real  
24 companies; is that right?

25 A. It has three bases. It happens to be the

00821

1 same as the average for those 12 companies, but then if  
2 you go and look at the Standard and Poor benchmarks for  
3 what they require, it's consistent with those  
4 benchmarks, and then if you go and look at what  
5 commission have allowed over the last five or six  
6 years, it is right in line with what commissions have  
7 allowed, so we happen to originally have gotten the  
8 numbers from those 12 companies, but we checked as to  
9 what the rating agencies say is required in this  
10 business, and then we check it against what commissions  
11 are generally allowing companies in terms of capital  
12 structure.

13 Q. I think I heard you say because Avista is in  
14 a fairly dynamic industry and is itself dynamic, it's  
15 safer to use this hypothetical than to look at Avista,  
16 at its actual structure; is that right?

17 A. I think it's more administratively  
18 convenient. I think you don't get into arguments in  
19 each rate case about where Avista has been and where  
20 it's going in terms of its actual capital structure. I  
21 don't think the Commission, because it has general  
22 responsibility for worrying about the interest of  
23 consumers, it can't completely ignore what Avista is  
24 doing if it really did something that it felt was  
25 endangering its ability to continue to serve the

00822

1 customers.

2 But for that, except in those circumstances,  
3 if you decouple Avista's actual behavior from what you  
4 say, This is the industry benchmark. This is what  
5 utilities are expected to do around the country and  
6 pure-play utilities are doing, it gets the Commission  
7 out of the business of second guessing management each  
8 time they come in for a rate case.

9 Q. My question is on how reliable or stable the  
10 hypothetical benchmark is if all of those companies are  
11 also in this swirl of change in the electric industry,  
12 in particular, is it are we looking backwards at a  
13 benchmark that is much more stable than the future will  
14 be? Does that make any difference?

15 A. I think it makes a difference how stable it  
16 is, and that's why in my testimony I look at the  
17 historical capital structure for the 12 companies to  
18 make sure it's not bouncing around erratically, and I  
19 also look at the capital structures that commission are  
20 allowing to see that they are not bouncing around, so I  
21 think if the Commission says we are going to look to  
22 this benchmark and the benchmark is bouncing all over  
23 the place, you have not gained anything, so I wanted to  
24 do give the Commission some assurance that the  
25 benchmark, at least in the recent years, has been

00823

1 stable, and that's why I included those exhibits in my  
2 testimony as to what's been happening with these 12  
3 companies and what's been happening with the Commission  
4 allowances.

5 Q. I want to ask you a couple questions on the  
6 25 basis point kickers. On the management performance  
7 one, on Exhibits 101 -- that's your testimony -- Page  
8 6, you say this 12 percent is for a single "A" rated  
9 combination electric gas, and on Line 18, it does not  
10 incorporate any allowance for Avista's exemplary  
11 performance, hence, the 25 basis points in addition.

12 My question is whether there is, in fact,  
13 some kind of overlap, would you expect that a single  
14 "A" rated combination gas electric utility at the top  
15 of the range of 12 percent would be anything other than  
16 a well-managed company?

17 A. If you went to the top of the range, you are  
18 probably capturing well-managed companies.

19 Q. That's your 12.5?

20 A. If you go to the middle of the range, which  
21 is the 1175, then you are down there with perhaps the  
22 mediocre, and I think that having worked with  
23 commissions myself, I think the commission has a  
24 legitimate objective to send messages to the utilities  
25 when their behavior, they believe, is consistent and

00824

1 supports the interest of the customers and negative  
2 messages when they think they are doing something  
3 adverse to the long-term interest of the customers, and  
4 in this case, I rely on Mr. Dukich's information about  
5 the relative ranking of Avista by independent studies  
6 and industry groups which indicate Avista is at the top  
7 of the class.

8 Q. So there wouldn't be any financial difference  
9 in going to the top of the range versus starting in the  
10 middle of the range and adding 25 basis points for  
11 exemplary management, but Mr. Dukich's point was if we  
12 isolated that, we'd be recognizing it in a way that the  
13 Company could show Wall Street, basically.

14 A. That is correct. I think it is advantageous  
15 from the point of view of Wall Street because you have  
16 a very tangible decision by the Commission to say we  
17 support what this utility is doing, but other  
18 commissions in other states achieve the same thing. I  
19 had an experience in Virginia where they go to the top,  
20 middle, or bottom of the range based on their  
21 perception of how the utility is performing its  
22 obligations.

23 Q. Then on the other 25 percent, explain to me  
24 what flotation cost is, and forgive my ignorance.

25 A. It's kind of a hard concept to understand. A

00825

1 utility, in order to invest in transmission lines and  
2 distribution company, the assets and generators, has to  
3 raise money in the market, and it's not free to raise  
4 money. In the case of preferred stock and bonds, we  
5 keep up with how much the utility spends on accountants  
6 and lawyers and printers and investment bankers and  
7 putting ads in the paper when it issues bonds, and  
8 those are calculated and deducted from the proceeds so  
9 that when I calculate the imbedded cost of debt and the  
10 imbedded cost of preferred, it's built in the company  
11 will get back that money because those are legitimate  
12 expenses. You can't get money from the public unless  
13 you go through all the hoops of his filing with the SEC  
14 and so forth.

15 Common stock is a little different. You have  
16 to incur the same expenses, and generally, the expenses  
17 are much greater. In order to issue common stock, the  
18 amount of legal work and accounting work and  
19 underwriting commissions you have to pay and the effect  
20 on the market of issuing more stock is by all the  
21 studies even a greater percentage than with debt and  
22 preferred, but because of the accounting rules that we  
23 operate under, those costs are not preserved. They are  
24 just reflected as a deduction in the amount of money  
25 you raise, so you issue the shareholder a dollar's

00826

1 worth of stock, but you only net back 94 cents to  
2 invest in the assets of the utility.

3           Now, that six cents is gone forever. It's in  
4 the hands of the accountants and the lawyers and the  
5 Goldman Sachs people and whoever else helped bring this  
6 stock to market, but the utility is earning on 94  
7 cents. The investor says, I've got a security that I  
8 paid a dollar for. Well, the only way you can earn  
9 enough on 94 cents to satisfy the investors' needs on a  
10 dollar is to kick up the returns on those equity  
11 dollars, and in the discovery request, I have some  
12 textbook discussion of how you calculate how much extra  
13 you have to earn on the 94 cents to net back your  
14 return on equity to the market investors, and it turns  
15 out that if you put in an extra about 25 basis points,  
16 give or take -- it's probably more that's required --  
17 then that will get you to parity, so what the equity  
18 investor is earning on the net proceeds in the business  
19 is equal to what the investor originally put up when  
20 they bought the stock out in the marketplace. So that  
21 25 basis points accounts for the fact that it costs  
22 money to get stock in the hands of the public.

23           Q.     Thanks. Can you turn to Exhibit 102,  
24 Appendix C. It's Table 2. This is the one that reads,  
25 "analysis of authorized rates of return on equity."



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1 A. Yes, Commissioner.

2 Q. In Column A is allowed return on equity for  
3 the various years 1974 through 1998. Is that an  
4 average of the major case decisions, et cetera?

5 A. Exactly.

6 Q. So it could be read "average allowed"?

7 A. Yes. It's the average allowed for all the  
8 cases that were decided during that year that were  
9 recorded in RRA.

10 Q. By "average," do they just take 50 cases and  
11 divide by 50, the rate?

12 A. Exactly.

13 Q. So it could be a little case or big case or  
14 Rhode Island or California?

15 A. One case, one vote.

16 Q. Then is that true in Column B, "average  
17 public utility bond yield," is that the same thing in  
18 terms of how it was averaged?

19 A. It is the average price during that year, the  
20 average yield during that year.

21 Q. For bonds outstanding.

22 A. For all bonds that are rated -- all utility  
23 bonds.

24 Q. So that actually probably would not be per  
25 issuance. It would be per bonds out there.

00828

1 A. Right --

2 Q. So the volume would make --

3 A. So in that case, a very big utility like  
4 Pacific Gas and Electric would have more influence than  
5 a small utility that has fewer bonds in the hands of  
6 the public.

7 Q. So Column B is more representative of dollar  
8 value, and Column A is more representative of a number  
9 of decisions made by commissions.

10 A. That is correct.

11 Q. I don't know if you can remember this  
12 question, but Mr. ffitch was asking you about  
13 something. You said that's only if business risk  
14 remains the same. He was asking you a hypothetical and  
15 trying to vary one component, and you said that would  
16 be true, but only the business risk remains the same.  
17 Maybe you can recall the situation and what it would  
18 mean to have the business risk remain the same or what  
19 you meant by business risk.

20 A. What I think I meant is, the original  
21 hypothetical that he started his cross with, we had  
22 Company A and Company B, and Company A and Company B  
23 are the same size; they have the same kind of  
24 customers, the same kind of generation mix. The things  
25 that would cause surprises in their business are

00829

1 essentially the same.

2 Q. But one has more equity and one has more  
3 debt.

4 A. Right. If they have the same business risk,  
5 if one has more equity, it's rate of return on equity  
6 is going to be less because those customers are bearing  
7 less risk because there are fewer fixed charges in the  
8 form of payments to the debt holder, and also, the cost  
9 of debt will be less, so what you have is the company  
10 with more equity pays less for both debt and equity,  
11 but since equity is more expensive than debt, their  
12 total cost of capital may or may not be less than  
13 Company B that pays more for each component if they  
14 have less equity and more debt, but they have more of  
15 the cheap stuff and less of the expensive stuff.

16 So the capital structure decision is really a  
17 delicate balancing of, Well, if I have less equity, the  
18 equity is going to cost me more, but equity is more  
19 expensive than debt, so I would rather have more debt  
20 than less equity, so at least in financial theory we  
21 say in the textbooks, there is probably some optimal  
22 mix of debt and equity that causes the total cost of  
23 capital to be leased.

24 Q. But in those examples, there is no reason why  
25 those two companies couldn't or wouldn't have the same

00830

1 business risk; that is, is business risk in general  
2 independent or dependent on your debt equity ratio? To  
3 use a term that we just learned in a previous case from  
4 an economist, are they orthogonal?

5 A. They are not orthogonal as you observe them  
6 in the world, and that's been a real problem with the  
7 empirical studies; that typically, industries that have  
8 little business risk, like the old-fashioned electric  
9 utility industry that we used to know and love, that  
10 industry had relatively less business risk, but we  
11 observed that it usually had more financial risk. The  
12 old utilities financed themselves with more debt and  
13 less equity, and then if we looked at a company in the  
14 computer business in olden times, we would observe that  
15 the old computer companies like IBM used to have very  
16 little debt and a lot of equity because they thought  
17 they were in a risky business, so the classic studies  
18 from the '50's, '60's, and '70's found it difficult  
19 because business risk and financial risk were not  
20 orthogonal. Usually companies had more financial risk  
21 when they had less business risk and less financial  
22 risk when they had more business risk to kind of  
23 balance each other out.

24 Q. So how is it now in the modern age?

25 A. In the modern age, it's even more confused

00831

1 because you have a lot of companies that we think are  
2 very risky who use a lot of debt and a lot of companies  
3 who are very risky that don't use much debt, like the  
4 Internet and high-tech companies.

5 A lot of the high-tech companies have very  
6 little debt because they can't issue debt, but they can  
7 sure issue equity. Everyone is willing to buy up their  
8 IPO's, but we look at other industries that we think  
9 are the same, like some of the new cellular companies,  
10 and it ends up they have a whole lot of debt because  
11 banks are willing to lend it to them, even though it  
12 seems most of us would agree that many of those  
13 companies are very risky, so as a general textbook  
14 proposition, we usually observe business risk and  
15 financial risk kind of offsetting each other, but when  
16 we get down to a specific time and place in companies,  
17 it gets kind of confused.

18 That's why I had some problems with  
19 Mr. ffitch's lines of questioning where he said, Well,  
20 gosh, if the business risk has gone up, wouldn't we  
21 expect them to reduce the financial risk? It's hard to  
22 say that would be the prudent course of action because  
23 there is so much else that goes into your strategy.

24 Q. As long as you mentioned high-tech explosion,  
25 what effect, either short term or medium-term, does the

00832

1 tremendous interest in high-tech stocks have on all  
2 other industries and their ability to raise capital? I  
3 think you said over time that most economists would say  
4 this is not going to last and maybe things will settle  
5 down, but to the extent that there actually is some  
6 kind of genuine discontinuous event in our economy due  
7 to technology, what effect does that have, or maybe I  
8 guess more to the point, what effect should it have, if  
9 any, on our decision in setting the figures for Avista?

10 A. There is so much disagreement about the new  
11 economy, Alan Greenspan, and I think Avista is a really  
12 good example, because I think Avista has gotten a lot  
13 of attention, and we've seen very volatile stock prices  
14 for Avista because you have the Bill Gates effect, and  
15 they have their Internet play because they have been so  
16 successful on the Internet front. There is a lot of  
17 excitement about the fiberoptic things they are doing  
18 so they've gotten a lot of interest out of that. There  
19 is a lot of interest about their fuel cell activity.

20 And that, I think makes the Commission's job  
21 a lot harder, because if you look at Avista and you  
22 look at its capital structure and its cost of equity,  
23 you've got to sort out all of those effects that are  
24 impacting Avista that management is trying to deal  
25 with, and I think that is probably why it is better

00833

1 from an administrative standpoint for the Commission to  
2 look over in the maybe more stable arena of those  
3 utilities that haven't yet really gone into some of  
4 these new economy areas like, I believe, the 12  
5 utilities that I've picked to be comparable companies,  
6 so that you can look and do a DCF on their stock price  
7 and dividends a lot easier than you could on Avista  
8 where you have dividend changes and dramatic changes in  
9 price, and you can also get a clearer reading on their  
10 capital structure than you do on Avista where there is  
11 a lot of other considerations going into the capital  
12 structure.

13 I guess the short answer to your question,  
14 Commissioner, is I think it's very hard for  
15 commissioners to kind of be on the leading edge of  
16 these uncertainties, and it's much easier to operate as  
17 a regulatory agency in a more stable environment where  
18 you can measure things a little closer and use  
19 historical benchmarks a little more readily, and I  
20 think that's why it is prudent to use things like  
21 comparable groups and hypothetical capital structures  
22 to get some distance from kind of the cutting-edge  
23 effects and the very difficult work of deciding what's  
24 fair rate of return for a company and what's in the  
25 interest of the ratepayers.

00834

1 Q. I didn't mean should we or shouldn't we be  
2 looking at what Avista is doing in its nonregulated  
3 parts. What I meant was how is the whole investment  
4 world affected by it, and I suppose maybe what you are  
5 saying is if you look at a hypothetical structure, then  
6 those are examples, I take it, of where investors have  
7 made a decision to invest. Even though they could have  
8 taken their dollars and put them into Microsoft, some  
9 people aren't and that is somehow taken into effect in  
10 this hypothetical approach; is that correct?

11 A. Right. These companies are out there selling  
12 their stock, issuing their debt, and they are pretty  
13 much, for the most part, in the nuts and bolts business  
14 of providing electric and gas service so that you can  
15 get a better reading on when their costs are than you  
16 can in some of these rapidly evolving areas of the  
17 economy.

18 Q. I think the last question I have is on  
19 Exhibit 102, your Table 3, WEA-5, Schedule 5, Page 1 of  
20 1. I think I just want to clarify something I thought  
21 you said. Mr. ffitch asked you a question of is this  
22 Avista as a whole or just its regulated activities, I  
23 think he asked you, and I think you answered Avista as  
24 a whole, and is that what you answered, and is that  
25 with respect to -- I don't know what you said there.



00835

1 Maybe the question is what universe is this page  
2 representing?

3 A. This is Page 5, one of one, that has the  
4 component cost?

5 Q. Right.

6 A. The universe is I have measured the debt  
7 that's associated with the utility operations of  
8 Avista. I've measured the preferred stock that is  
9 associated with the utility operations. I have not  
10 included that preferred stock that was issued for the  
11 investors that lost their dividend when the dividend  
12 occurred. I used the preferred securities that are  
13 associated with the utilities.

14 So these component costs are to the best I  
15 can identify them, the component costs associated with  
16 the utility operations of Avista.

17 Q. That's what I thought, and then I thought you  
18 said the other way around. So is the appropriate title  
19 at the top of this page, "weighted average cost of  
20 capital for Avista's utility operations"?

21 A. That would be a much better title, and I wish  
22 I had done that at the outset, and the 12.25 is the  
23 rate of return that goes with the utility operations.  
24 The 12.25 similarly that I estimated based on these  
25 comparable companies goes with the utility operations

00836

1 equity.

2 CHAIRWOMAN SHOWALTER: Thanks. That's all  
3 the questions I have.

4 JUDGE SCHAER: May I interject just one  
5 follow-up? I also wrote down under the debt line here,  
6 which is 7.83, I wrote down, "company as a whole."

7 THE WITNESS: I think I may have misspoke  
8 earlier this morning, and I'm glad I clarified this.

9 JUDGE SCHAER: This is a change?

10 THE WITNESS: It is the debt and preferred  
11 associated with the utility operations.

12 JUDGE SCHAER: Is there redirect for this  
13 witness?

14 MR. MEYER: There is.

15

16 REDIRECT EXAMINATION

17 BY MR. MEYER:

18 Q. While we're on that page, same exhibit, same  
19 page, WEA-5, Page 1 of 1, that 7.83 percent component  
20 cost per debt, does that include short-term debt?

21 A. Yes. In terms of the rate of the debt, I did  
22 include the short-term debt even though that brought  
23 the number down to make sure the customers got the  
24 benefit of the cost of short-term debt.

25 Q. There were two other minor clarifications

00837

1 before I get into more substantive matters. During the  
2 break, you were asked to confirm -- there was a  
3 reference in your Appendix C to Exhibit 102, the CC and  
4 L study, for the period 1971 or 2 to 1980. Which was  
5 it?

6 A. It was exactly as written. There are two  
7 studies. The first one started in '71. The second one  
8 started in '72, so the first reference is to '71  
9 through '80 is correct, and the second reference of '72  
10 through '80 is correct.

11 Q. Those references appeared on Page C-6 of  
12 Appendix C of Exhibit 102; correct?

13 A. Yes.

14 Q. The other items you were asked to check on  
15 had to do with some materials and whether -- go ahead.

16 A. I was asked whether the Regulatory Research  
17 Associates' information that we used to get the capital  
18 structure would allow us to include the effect of  
19 short-term debt, and I looked at the Regulatory  
20 Research Associates' data and it does not. It only  
21 records the equity ratio, so we cannot go back and  
22 adjust that for the inclusion of short-term debt.

23 Q. Thank for checking up on those. Let's turn  
24 to some more redirect. You were asked a series of  
25 questions that took you to the 10-Q for the quarter

00838

1 ending September of '99. Do you recall that exchange?

2 A. Yes, I do.

3 Q. There was some discussion earlier in the  
4 session about whether one could derive an actual return  
5 on equity of 26 percent or whether that should be at  
6 some other level. Do you recall that?

7 A. It was an equity ratio --

8 Q. I'm sorry. Correct.

9 A. -- based on that balance sheet.

10 Q. Was the, what have been commonly referred to  
11 as the recon shares or the convertible preferred  
12 shares, were those, in fact, converted?

13 A. Yes, they were.

14 Q. It was a mandatory conversion program, wasn't  
15 it?

16 A. Right. I went back and looked at the  
17 footnotes from the 10-K which described the requirement  
18 that they all be converted prior to 2001.

19 Q. Were they all converted, to the best of your  
20 knowledge?

21 A. Yes. It's my understanding they were  
22 converted this year.

23 Q. So is it your testimony that such convertible  
24 preferred should be included for common equity ratio  
25 purposes?

00839

1       A.       Yes.  Because it is going to go back to  
2 equity.  It was issued in order to soften the impact on  
3 shareholders.  When the dividend was cut, some people  
4 had budgeted that money for their own living expenses  
5 or whatever, so this was a mechanism the Company  
6 created so they could maintain their cash flow from  
7 their investment in the stock, but it was a  
8 transitional measure, and it should be included in  
9 equity.  I went back and checked how Moody's and  
10 Standard and Poor's treated it for their purposes, and  
11 they included it in equity.

12       Q.       So with that one adjustment, based on those  
13 September 30, 1999, number that you had referenced to  
14 earlier, what is the common equity ratio?

15       A.       It goes to 45.7.

16       Q.       Does that 45.7, is that without short-term  
17 debt?

18       A.       Let me check and make sure.

19       Q.       Two steps; before we adjust for short-term  
20 debt, just adjust for the mandatory conversion, what  
21 does the equity ratio become?

22       A.       Let me make sure my numbers are correct here  
23 since I'm on the record.

24       Q.       Would you agree subject to check that that's  
25 42.78 percent, approximately 43 percent?

00840

1 A. Yes.

2 Q. What would that common equity ratio become if  
3 we were to subtract short-term debt?

4 A. If we take out the 103.5 million in  
5 short-term debt it become 45.7.

6 Q. Approximately 46 percent.

7 A. Yes.

8 Q. Again, after making those necessary  
9 adjustments, we are still dealing with actual equity  
10 ratios computed for that quarter ending September '99,  
11 aren't we?

12 A. Yes. Those are per books of the Company.

13 Q. As I understand, that's not the exercise you  
14 went through in putting your testimony together. You  
15 were relying on an actual, but on a hypothetical  
16 capital structure for your recommendation?

17 A. That is correct.

18 Q. And your recommended hypothetical equity  
19 component of your hypothetical capital structure was  
20 what?

21 A. 47 percent.

22 Q. You were asked by Chairwoman Showalter about  
23 the proxy or barometer group of 12 companies and  
24 whether those capital structure numbers for those  
25 companies were real and sustainable through time. Do

00841

1 you recall that?

2 A. Yes, sir.

3 Q. Would you turn to your Exhibit 102. I  
4 believe it's Schedule 1, Page 2 of 2.

5 A. Yes, sir.

6 Q. Those are your proxy group, are they not?

7 A. That's correct. That's going back to the  
8 previous years to see how their capital structure lined  
9 up in those previous years.

10 Q. Actually, you are referring to Page 2 of 2 of  
11 that schedule, aren't you?

12 A. Yes.

13 Q. As do you that, would you explain how that  
14 capital structure component varies generally on average  
15 through the four years depicted?

16 A. Generally, it is fairly stable. You can see  
17 the debt percentage is 45, 43, 44, 45, so it doesn't  
18 vary too much from the 47 that we observe in year-end  
19 '98, and if you look down the column within the  
20 individual companies, you will see that while they are  
21 they vary year-to-year, they are pretty tightly grouped  
22 around the 40 to 50 percent range of debt and 40 to 50  
23 percent common equity and four to eight percent of  
24 preferred.

25 Q. While we are with this same schedule, WEA-1,

00842

1 let's turn back a page, Page 1 of 2. Much earlier in  
2 the day, you were asked about the impact of a PCA on  
3 risk. Do you recall that line of questioning?

4 A. Yes, I do recall that.

5 Q. Turning to that page and given those  
6 identified companies, and again, the question here is  
7 in relation to the impact of PCA on risk, do you know  
8 whether most of the proxy group companies have some  
9 form of field adjustment mechanism?

10 A. Yes. From checking the data sources and my  
11 own knowledge of many of these companies, they have so  
12 some way to deal with dramatic changes in the cost of  
13 fuel for electric generation.

14 Q. In much the same or at least in a concept  
15 similar to what the Company is proposing regarding this  
16 PCA.

17 A. Yes. I think those kinds of adjustments are  
18 generally acceptable to the regulatory community  
19 because there can be volatility or has been and  
20 continues to be volatility in especially short-term  
21 purchase power cost but also in the fuel mix and other  
22 drivers.

23 Q. Putting the pieces together then, what do you  
24 conclude, given your testimony about PCA's or PCA-like  
25 mechanisms with the proxy group and what the Company is



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1 proposing here?

2 A. I believe that the capital structure and the  
3 equity cost estimate that I have made is consistent  
4 with a utility operation that has the benefit of a PCA  
5 mechanism, so that the financial part of my cost of  
6 capital testimony is consistent with the Company's  
7 request, and if the Commission were not to grant the  
8 PCA mechanism, then there would have to be some  
9 recognition of that in the capital structure or cost of  
10 equity for the Company.

11 Q. When you compare then Avista, and assuming  
12 Avista were granted a PCA in this proceeding and given  
13 what you've testified about the presents of fuel cost  
14 of adjustment mechanism for the proxy group, what does  
15 that say about the need to adjust downward for Avista  
16 the cost of equity based on a PCA?

17 A. Built in to my recommendation is comparing  
18 the cost of capital to Avista's utility operations with  
19 other utilities that have the benefit of a PCA-like  
20 mechanism, so if the PCA mechanism is part of the case,  
21 then the rate of return recommendation is consistent  
22 with that PCA mechanism.

23 Q. And is consistent with the barometer group.

24 A. Yes.

25 MR. MEYER: Thank you very much. That

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1 concludes my redirect.

2 CHAIRWOMAN SHOWALTER: I just have a  
3 follow-up question on this table, Schedule 1.

4

5 FURTHER CROSS-EXAMINATION

6 BY CHAIRWOMAN SHOWALTER:

7 Q. Are you saying every one of these companies  
8 has a PCA or equivalent?

9 A. Not every one. I think most have some kind  
10 of PCA mechanism. Semper Energy, for example, operates  
11 in California at San Diego Gas and Electric, and they  
12 don't have an explicit PCA mechanism, but they get  
13 their energy through the PX in California, so in  
14 essence, there is a flow-through of price changes that  
15 doesn't affect the distribution activities of the  
16 utility.

17 So they don't all have exactly a PCA, but I  
18 think the effect is very similar in terms of the  
19 company does not very to worry about the kind of risk  
20 that Avista is exposed to because of dramatic changes  
21 from stream flow and purchase power cost.

22 Q. What is Puget's situation?

23 A. Puget is jurisdictional, and I understand  
24 they do not have an adjustment; that they had one for  
25 several years in the early '90's, but that has been

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1 terminated. So not everyone, and this Commission knows  
2 better than I, that Puget does not.

3 CHAIRWOMAN SHOWALTER: Thanks.

4 JUDGE SCHAER: Anything further for this  
5 witness?

6 MS. TENNYSON: I have just have one point to  
7 follow up on Chairwoman Showalter's latest question.  
8 I'd like to submit a records requisition for which of  
9 the companies on WEA-1, Page 1, do have a PCA  
10 mechanism.

11 JUDGE SCHAER: Would you be able to provide  
12 that?

13 THE WITNESS: Yes. It's something I would  
14 have to work on at home, but we can provide it. I  
15 think we have 10 days.

16 JUDGE SCHAER: Record Requisition 26 then.  
17 Please provide information about what kind of PCA  
18 equivalent, or what kind of -- so we know what you are  
19 considering to be an adjustment for these companies  
20 shown on Page 1 of 2.

21 MS. TENNYSON: And I have nothing further.

22 JUDGE SCHAER: Mr. ffitch?

23 MR. FFITCH: I have one question, Your Honor.

24

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1 FURTHER CROSS-EXAMINATION

2 BY MR. FFITCH:

3 Q. Dr. Avera, you were testifying a bit earlier  
4 that one of the advantages of the hypothetical capital  
5 structure is administrative convenience. Is the  
6 ultimate goal here fair, just, and reasonable rates, or  
7 is it administrative convenience?

8 A. It's fair, just, and equitable rates, but I  
9 think administrative convenience has to be a  
10 consideration when the Commission has limited resources  
11 and limited ability to handle exceedingly complex  
12 issues.

13 MR. FFITCH: Thank you. I don't have any  
14 other questions.

15 JUDGE SCHAER: Is there anything further for  
16 this witness?

17 MR. MEYER: There is not.

18 JUDGE SCHAER: Thank you very much for your  
19 testimony. You may step down. Let's go off the record  
20 for just a moment.

21 (Discussion off the record.)

22 JUDGE SCHAER: This is the end of our hearing  
23 for today. We will resume this hearing tomorrow  
24 morning at nine o'clock.

25 MR. FFITCH: We have provided an additional

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1 cross-exhibit for Ms. Knox. Copies have been provided  
2 to her early this morning. We have the copies in the  
3 hearing room here that we could distribute now or first  
4 thing in the morning.

5 JUDGE SCHAER: Let's do it as she takes the  
6 stand, please, Mr. ffitch.

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(Hearing recessed at 4:45 p.m.)

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