

BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH

In the Matter of the Application of)	DOCKET NO. 07-035-93
Rocky Mountain Power for Authority to)	
Increase Its Retail Electric Utility Service)	Exhibit No. DPU 2.0 SR
Rates in Utah and for Approval of Its)	
Proposed Electric Service Schedules and)	
Electric Service Regulations, Consisting)	Surrebuttal Testimony and
of a General Rate Increase of)	Exhibits
Approximately \$161.2 Million Per Year,)	
and for Approval of a New Large Load)	Charles E. Peterson
Surcharge)	

**FOR THE DIVISION OF PUBLIC UTILITIES
DEPARTMENT OF COMMERCE
STATE OF UTAH**

**Surrebuttal Testimony of
Charles E. Peterson**

May 12, 2008

1 **Q. Please state your name and occupation?**

2 A. My name is Charles E. Peterson. I am employed by the Utah Division of Public
3 Utilities (“Division” or “DPU”) as a Technical Consultant.

4
5 **Q. Have you submitted Direct Testimony in this proceeding?**

6 A. Yes. I submitted Direct Testimony on March 31, 2008.

7
8 **Q. What is the purpose of your testimony?**

9 A. My purpose is to respond to comments made by PacifiCorp witnesses testifying in
10 behalf of PacifiCorp’s division Rocky Mountain Power (the Company): Dr. Samuel
11 C. Hadaway in his Rebuttal Testimony and to his rebuttal exhibits identified as RMP
12 Exhibits SCH-1R through SCH-8R; Bruce N. Williams in his Rebuttal Testimony;
13 and finally A. Richard Walje in his Rebuttal Testimony.

14
15 **I. GENERAL COMMENTS**

16
17 **Q. Do you have general comments regarding the Rebuttal Testimony of Messrs.**
18 **Hadaway, Williams, and Walje?**

19 A. Yes. Dr. Hadaway’s Rebuttal Testimony recounts my testimony and analyses and
20 shows how my analyses can be “corrected” to support his original Direct Testimony
21 or his updated testimony. Dr. Hadaway and Mr. Williams spend much of their
22 Rebuttal Testimony focusing on changes in the interest rates of government securities

23 and the effects of those changes on corporate debt. If I accept Dr. Hadaway's and
24 Mr. Williams' contentions on this point, my overall recommended cost of capital for
25 PacifiCorp and its division Rocky Mountain Power would increase 1 basis point (i.e.
26 0.01 percent). As I explain later, I am reluctant to make that adjustment at this time.

27

28 With respect to principal differences, Dr. Hadaway and I continue to differ with
29 respect to the proper growth rate for the DCF models. Dr. Hadaway continues to
30 insist on a growth rate based upon a weighted average of the historical growth in U.S.
31 gross domestic product (GDP). I demonstrated in my Direct Testimony that that was
32 unrealistic. Dr. Hadaway has failed to present new evidence or argument that his
33 historical GDP growth is better or even relevant to electric utility growth
34 expectations. While in our Direct Testimonies Dr. Hadaway and I both supported the
35 use of the widely used capital asset pricing model, Dr. Hadaway now disclaims that
36 model for this case, whereas I continue to believe that it offers useful information into
37 investor thinking. Finally, Dr. Hadaway continues to support his cost of equity
38 calculations with historical authorized rates of return granted other companies in
39 other jurisdictions. I argued against relying on this approach in my Direct Testimony
40 and Dr. Hadaway has presented nothing new in his Rebuttal Testimony on this issue
41 except to update his calculations.

42

43 **Q. Do you find any of Dr. Hadaway's criticisms persuasive?**

44 A. No. Dr. Hadaway's Rebuttal Testimony amounts to a reassertion of his original
45 position as being correct and that contrary positions are not.
46 He does not present any new data that is substantially different from what he had in
47 his Direct Testimony. He has abandoned his capital asset pricing model because
48 current inputs to the model "do not reflect the current market cost of capital for
49 corporate entities."¹ That is, the capital asset pricing model no longer supports the
50 10.75 percent cost of equity he asserts is proper for PacifiCorp and its Rocky
51 Mountain Power division. His criticisms of my application of the different models do
52 not invalidate my applications.

53

54 **Q. How does your own testimony differ from that of Dr. Hadaway's Rebuttal**
55 **Testimony?**

56 A: In my testimony I attempted to discuss and present to the Commission a wide range
57 of options. I included some of the methodologies used by Dr. Hadaway, especially
58 with respect to the Capital Asset Pricing Model (CAPM) and plainly stated that there
59 are advocates for the particular applications of those models that Dr. Hadaway uses. I
60 also explained that there are differing views among both academics and practitioners
61 regarding the application of those models. I highlighted some of the problems and
62 controversies with particularly the CAPM. Rather than being merely descriptive, I
63 gave my guidance to the Commission regarding what I believe to be the better, more
64 "middle of the road" positions to take and used this guidance to arrive at my
65 recommended range and point estimate. However, I did not avoid presenting data on

¹ Dr. Hadaway's Rebuttal Testimony at line 198.

66 applications that were either higher than, or lower than, my recommended range and
67 point estimate.

68

69 **Q. In your testimony here do you intend to respond in detail to all of Dr.**

70 **Hadaway's comments?**

71 A. No. I plan to respond to a few of the more important issues raised by Dr. Hadaway.

72 Omission of a specific comment on the various issues raised by Dr. Hadaway should
73 not be construed as agreement with his position on those issues.

74

75 **Q. Do you have any general comments on Mr. Williams's Rebuttal Testimony at**

76 **this time?**

77 A. Yes. I mentioned above Mr. Williams' assertions that Mr. Lawton and I were wrong
78 to adjust the Company's cost of debt by a couple of basis points based upon lower
79 government debt rates. Mr. Williams spends a considerable part of his Rebuttal
80 Testimony responding to my comments regarding the Company's fulfillment of
81 MEHC Acquisition Commitment 37 in Docket No. 05-035-54. While I can agree with
82 most of what Mr. Williams says in his Rebuttal Testimony on this issue, what he
83 leaves out of his rebuttal is that which caused me to highlight a concern in the first
84 place. I will discuss this in some detail later.

85 **Q. Do you have any comments on Mr. Walje's Rebuttal Testimony?**

86 A. Yes. Mr. Walje appears to be most concerned about Rocky Mountain Power's ability
87 to attract capital should the allowed rate of return be reduced to within the ranges that

88 the Committee of Consumer Services (through Mr. Lawton) or I are advocating. He
89 insists that Mr. Lawton or I did not properly consider business risk and that certain
90 problems the Company faces should be addressed by the Commission through a
91 higher cost of equity award.

92

93 **Q. Is it likely that Rocky Mountain Power will no longer be able to attract capital?**

94 A. No. The 10.1 percent point estimate I am advocating is higher than the return on
95 equity the PacifiCorp has actually earned in recent years. PacifiCorp has been able to
96 successfully market several significant debt issuances during this period of lower
97 returns, consequently there is no evidence that they would have any difficulties with
98 capital attraction if its profitability were higher.

99

100 **Q. Has any of the Company's witnesses' Rebuttal Testimony altered your**
101 **conclusions?**

102 A. No. As detailed below the Company's witnesses are not persuasive in their critique of
103 my testimony. My recommended point estimate for cost of equity remains 10.1
104 percent.

105

106 **II. COMMENTS ON DR. HADAWAY'S REBUTTAL TESTIMONY**

107

108 **Q. How have you organized this section?**

109 A. I have organized this section by the following topics: Comparable Companies; DCF
110 Models; Capital Asset Pricing Models; Risk Premium Models; Interest Rates; and
111 Other Issues and Conclusions.

112

113 A. Comparable Companies

114 **Q. What comments do you have regarding comparable (or, proxy) companies used**
115 **in Dr. Hadaway's Rebuttal Testimony?**

116 A. Dr. Hadaway appears to continue to advocate his original list from his Direct
117 Testimony. While there is some overlap between the two lists of comparable
118 companies, I had some significant concerns with some of the companies used by Dr.
119 Hadaway as I explained in my Direct Testimony. In deciding this case, the
120 Commission should specify which companies it accepts as proxies.

121

122 B. DCF Models

123 **Q. Dr. Hadaway disagrees with your use of forecast dividend growth rates. Is it**
124 **correct to ignore dividend growth forecasts?**

125 A. No. In the first place the DCF model is based upon dividend payments. Thus dividend
126 forecasts are theoretically the most correct growth rate that should be used. I would
127 agree with Dr. Hadaway that earnings growth rates will likely drive growth in
128 dividends in the long-term. However, to the extent that near-term dividend growth is
129 expected to be higher, or lower, than earnings growth, then the departure of the
130 growth in dividends from the growth in earnings will affect the stock price either up

131 or down under this model. As I mentioned in my Direct Testimony, the
132 Commission's 2002 decision in Questar Gas' general rate case to weight earnings
133 growth 75 percent and dividend growth 25 percent is a reasonable compromise of the
134 earnings vs. dividend growth rate issue.

135

136 **Q. Do you have a response to Dr. Hadaway's comments in his Rebuttal Testimony**
137 **regarding forecast rates of growth for the economy, as represented by the Gross**
138 **Domestic Product?**

139 A. Yes. Dr. Hadaway continues to advocate the use of a weighted average historical
140 GDP growth rate. This GDP grow rate is the most significant difference between my
141 DCF models and Dr. Hadaway's. Dr. Hadaway has yet to provide any basis for the
142 GDP growth rate's relevance to expected growth rates for regulated electric utilities.
143 In fact, Dr. Hadaway leaves entirely un rebutted the fact that his own data indicate that
144 the growth rate of electric utilities historically has been significantly less than the
145 growth in GDP.²

146

147 **Q. What are your comments with respect to Dr. Hadaway's rejection of the two**
148 **forecast GDP growth estimates by the federal government agencies?**

149 A. Dr. Hadaway asserts that because the U.S. Congressional Budget Office (CBO) and
150 the Energy Information Administration (EIA) forecasts "are not consistent with

² See the chart on page 30 of Dr. Hadaway's Direct Testimony and my comments on page 35 of my Direct Testimony.

151 historical growth rates in the U.S. economy”³ and that while “[s]uch forecasts may be
152 useful for projecting a balanced budget, protecting Social Security, and other
153 government purposes”⁴ they have no relevance in the estimation of electric utility
154 growth rates.

155
156 My response is twofold. First, apparently Dr. Hadaway believes that any deviation of
157 the future from the past is not contemplated by investors, the future is always a linear
158 (or weighted average) projection of the past, or at least that’s the best forecasting we
159 can ever hope to do. However, given the high energy prices and the significant and
160 growing economic competition from places like China and India, it is easy to imagine
161 that future economic growth in the United States will not reflect the past.

162 Furthermore, there is some expectation specifically with regard to electric energy use
163 that environmental concerns and legislation could additionally slow the growth in the
164 electric industry. The economic world faced by the United States today is much
165 different from the economically benign situation it faced for at least the first 20 years
166 of Dr. Hadaway’s post World War II historical period.

167
168 Second, Dr. Hadaway suggests that political motives drive the EIA and CBO
169 forecasts. If the goal of the EIA or CBO forecasts were for “projecting a balanced
170 budget” or for “protecting Social Security,” I would have expected the EIA and CBO

³ Dr. Hadaway’s Rebuttal Testimony at lines 219-220.

⁴ Ibid. lines 222-224.

171 forecasts to be relatively rosy. Instead we see fairly mediocre real growth rates of
172 about 2.5 percent.

173

174 C. Capital Asset Pricing Models (CAPM)

175 **Q. Dr. Hadaway now disagrees with the use of CAPM in this case. What are your**
176 **comments on this issue?**

177 A. Dr. Hadaway points to the low risk free interest rates and the turmoil in the credit
178 markets and concludes that CAPM is invalid now. If this credit market turmoil is
179 significant to electric utility cost of equity, one would expect significant declines in
180 stock prices along with rising dividend yields. However, Dr. Hadaway has supplied
181 evidence in his Rebuttal Testimony that shows just the opposite is happening, which
182 one would expect from lower interest rates. On Exhibit RMP SCH -1R, page 6 of 6
183 consists of data compiled by Moody's Investors Service showing that public utility
184 stock values have increased between March and April 2008; likewise the dividend
185 yields have declined. Contrary to the problems in the mortgage and credit markets
186 generally, they have not translated into turmoil in the stocks of the utility companies.
187 The issue of government interest rates versus corporate bond rates will be dealt with
188 later in subsection "F Interest Rates."

189

190 In the concurrent Questar Gas general rate case, Docket No. 07-057-13, my use of the
191 CAPM has the tendency to raise my recommended rate above what it would have

192 been based upon DCF models alone. In this docket, the CAPM has the tendency to
193 lower the recommended point estimate slightly.

194

195 I can only conclude that the real problem is that Dr. Hadaway does not accept that
196 electric utility stock investors may currently be satisfied with a return in the low ten
197 percent range or perhaps even lower.

198

199 D. Risk Premium Models

200 **Q. Do have any observations regarding Dr. Hadaway's rebuttal comments to your**
201 **risk premium model?**

202 A. Dr. Hadaway's primary concerns are that like the CAPM, my risk premium model
203 cannot handle the turmoil of the credit markets and that there is no underlying
204 theoretical basis for using Value Line financial strength ratings "in the CAPM
205 format."⁵

206

207 With respect to the credit market turmoil issue, I have answered that above under the
208 CAPM comments and below under the interest rate comments.

209

210 With respect to the claim that my risk premium model lacks theoretical basis, it has
211 the same basis as the CAPM to determine an overall market return. The CAPM is a
212 flavor of the broader class of risk premium models which of the general form of $k = d$

⁵ Dr. Hadaway's Rebuttal Testimony at line 62.

213 + r_p where k is the cost of capital, d is some base return, and r_p is a risk premium.⁶
214 CAPM solves this equation for common equity by using a risk free rate for “ d ” and
215 beta times the market risk premium for “ r_p .” Dr. Hadaway is misleading when he
216 states that my risk premium model is in the CAPM format: CAPM is in the risk
217 premium format.⁷
218
219 With this in mind, I will briefly reiterate what my risk premium model attempts to do.
220 My analysis relates Value Line’s forecast return to Value Line’s financial strength
221 rating to estimate a risk factor. Given a particular financial strength rating, an
222 expected return can be estimated. This risk factor is then multiplied into the
223 estimated market return which is the sum of the risk free rate plus the market risk
224 premium. (To this point it is like a CAPM model with a beta of 1.0). In order to solve
225 the problem of adjusting the market return to a more specific return customized to the
226 subject company in question, I derive a risk adjustment using Value Line’s financial
227 strength rating as described above. Since the comparable companies I used had an
228 average financial strength rating of B++ (above average), by this measure these
229 companies should have a cost of capital less than the market mean. I have quantified
230 this below average required return on equity in my analysis. Dr. Hadaway would
231 disagree with my estimate of the expected market return since in arriving at the
232 expected market return I reject the use of the 82 year Ibbotson historical period as

⁶ Morin, Roger. “New Regulatory Finance”, 2006. Chapter 5. p. 146. and Chapter 15.

⁷ Ibid., see especially Chapter 15, Figure 15-1.

233 discussed in the CAPM section above. At least under current market conditions, Dr.
234 Hadaway also disagrees with the risk free rate.

235

236 In any case as Dr. Hadaway observes, other than as a general test for reasonableness,
237 I put little weight on this model. To the extent I have used this model, I stand by its
238 results.

239

240 **Q. You commented in your Direct Testimony on Dr. Hadaway's risk premium**
241 **analysis, do you have anything to say about his comments in his Rebuttal**
242 **Testimony regarding his risk premium model?**

243 A. Yes, just one. On line 357 of his Rebuttal Testimony Dr. Hadaway states that the he is
244 basing his updated risk premium analysis on 2009 project interest rates. I believe this
245 is in error because the test year is 2008.

246

247 E. Authorized Rates of Return

248 **Q. Do you have any further comments, beyond what you said in your Direct**
249 **Testimony and alluded to above regarding Dr. Hadaway's adherence to**
250 **historical authorized rates of return by various commissions as a major**
251 **indicator on what PacifiCorp's cost of equity should be?**

252 A. Only that Dr. Hadaway has not answered any of the issues raised in my Direct
253 Testimony. For example, he does not rebut the fact that authorized rates of return

254 have been steadily declining for a number of years, or that authorized returns may be
255 based on local laws and customs.

256

257 F. Interest Rates

258 **Q. What do you intend to discuss under this topic heading?**

259 A. I will respond to both Dr. Hadaway's and Mr. Williams' Rebuttal Testimony
260 comments that Mr. Lawton and I did not appropriately account for the difference
261 between government interest rates and utility corporate bond rates. Next I will
262 describe why current risk free rates are appropriate for the CAPM and risk premium
263 models.

264

265 **Q. What problems or disagreements do you have with Dr. Hadaway's and Mr.**
266 **Williams' claim that while government interest rates have declined, corporate**
267 **utility bond rates have remained essentially flat and therefore, per Mr. Williams,**
268 **it was inappropriate to make a reduction to PacifiCorp's allowed cost of debt?**

269 A. The main problem is that there appear to be contradictory statements and data
270 between Mr. Williams' and Dr. Hadaway. Some of these contradictions may be
271 explained as the use of different sources (Mr. Williams didn't provide supporting
272 sources and documents in his Rebuttal Testimony), and different time periods being
273 examined. On page 2 of his Rebuttal Testimony, Mr. Williams has a table alleging
274 that PacifiCorp's borrowing costs are 1 basis point higher now than they were when
275 he wrote his Direct Testimony. It must be remembered that Mr. Williams is trying to

276 forecast what PacifiCorp's borrowing costs will be around the end of 2008. His
277 present forecast is that that PacifiCorp's borrowing cost will be 6.45 percent based
278 upon a forward (futures) long-term government interest rate of 4.47 percent and a
279 forward spread for single-A utility debt of 1.98 percent. Dr. Hadaway by contrast
280 uses a forecast long-term government rate of 5.0 percent and an estimate of 136 basis
281 points to arrive at a borrowing cost 6.36 percent.⁸ In his discussion on page 16 of his
282 Rebuttal Testimony, Dr. Hadaway states that the current (as of April 21, 2008) single
283 utility bond rate is 6.27 percent. On the same page (at line 324) he states that "Current
284 and forecasted single-A utility interest rates are converging." This last statement is to
285 be expected as debt investors begin to search for higher yielding alternatives to the
286 government rates. Dr. Hadaway also states that "Corporate interest rate "spreads"
287 (the difference between corporate borrowing cost and the rates on U.S. Treasury
288 bonds of approximately equal maturity) are currently at the highest levels seen in
289 many years."⁹ This last statement at least suggests that we have an anomalous
290 situation with respect to the rate spreads which will more likely than not correct
291 themselves in the coming months.

292

293 The conclusion I can draw from all of this is that there is a good chance that in
294 November or December when PacifiCorp issues its contemplated debt that the
295 interest rate could very well be 6.28 percent (the rate I used in my Direct Testimony)
296 or lower.

⁸ See Dr. Hadaway's rebuttal Exhibit RMP SCH-8R, page 1.

⁹ Dr. Hadaway's Rebuttal Testimony at lines 83-85.

297 **Q. Is there any possibility that you could be persuaded to accept Mr. Williams' and**
298 **Dr. Hadaway's criticism regarding the current relationship between government**
299 **and corporate debt yields and reverse your reduction in the Company's cost of**
300 **debt?**

301 A. Yes. But it would require reconciliation of Dr. Hadaway's and Mr. Williams'
302 statements and data and more persuasive evidence than I have seen to this point. But
303 as noted at the beginning of my surrebuttal testimony, any correction here would only
304 affect the recommend cost of capital by 1 basis point. Therefore, I am standing by my
305 Direct Testimony.

306

307 **Q. What about Dr. Hadaway's criticisms that current risk free rates can't**
308 **reasonably used for the CAPM?**

309 A. As I indicated earlier Dr. Hadaway's own data suggest a lack of "turmoil" with
310 respect to utility stock prices and dividend yields. While the general decline in the
311 stock market has had some effect, the electric utility industry appears to have been
312 only lightly affected. Be that as it may, the theory of CAPM is that investors peg
313 their required returns on a given stock based upon the returns they can get that are
314 "risk free." As the risk free rates fluctuate, so will investors' required returns on
315 common stock. Implicit in Dr. Hadaway's criticism is that the market risk premium,
316 i.e. the average required return on common stocks generally over the risk free rate,
317 "must have" increased dramatically in recent months which can't be measured by
318 usual CAPM applications. The basis for this is Dr. Hadaway's subject belief that

319 investors wouldn't accept the returns indicated by the CAPM. Dr. Hadaway offers no
320 other evidence for this.

321

322 Lacking other evidence to support Dr. Hadaway's beliefs, I am not persuaded that
323 CAPM (and my risk premium model) are invalidated by the current levels of
324 government interest rates.

325

326 G. Other Issues and Conclusions Regarding Dr. Hadaway's Rebuttal Testimony

327 **Q. Dr. Hadaway responds to your Direct Testimony Exhibit 14 by criticizing the**
328 **volatility of analysts' forecasts and then uses this as a basis for seemingly**
329 **rejecting the use of analyst forecasts.¹⁰ How do you respond?**

330 A. Analyst forecasts, like other financial and market-related data fluctuate. In Exhibit 14
331 there is an obvious departure from previous levels during the 2001 time frame, which
332 is at the end of the deregulation enthusiasm. The purpose of Exhibit 14 was to rebut
333 Dr. Hadaway's implicit claim in his Direct Testimony that the 2001 high forecasts
334 were "right" and that the more normal range of growth rate forecasts are "wrong" and
335 too low. But Dr. Hadaway does not rebut that criticism.

336

337 **Q. Do you have any final comments regarding Dr. Hadaway's Rebuttal Testimony?**

338 A. Yes. Dr. Hadaway and I fundamentally disagree on the appropriate growth rate for
339 the DCF model. Dr. Hadaway's growth rate is based upon his weighted average of
340 GDP growth. While we had some agreement regarding CAPM in his Direct

¹⁰ Dr. Hadaway's Rebuttal Testimony at lines 202-214.

341 Testimony, Dr. Hadaway now rejects CAPM as a viable model, at least at the present
342 time. I continue to support the CAPM. We disagree with each other regarding our
343 respective risk premium models.

344

345 Dr. Hadaway's comments in his Rebuttal Testimony are not persuasive; I continue to
346 maintain my original positions.

347

348

349 **III. COMMENTS ON MR. WILLIAMS'S REBUTTAL TESTIMONY**

350

351 **Q. Do you have anything more to say regarding Mr. Williams' criticism of your**
352 **adjustment to the cost of debt?**

353 A. No, I covered that issue above.

354

355 **Q. Do you have any comments regarding Mr. Williams' Rebuttal Testimony of your**
356 **discussion of Acquisition Commitment 37 data?**

357 A. Yes, have two comments. The first is that Mr. Williams' spends a large part of his
358 Rebuttal Testimony is devoted to an issue on which I recommended that no action be
359 taken.

360

361 The second comment is that I believe there were one or more instances where without
362 the new issue premium being at least 10 basis points, that PacifiCorp would not have
363 satisfied its Commitment.

364

365 **Q. Finally, Mr. Williams indicates that Standard & Poor's has altered the way it**
366 **evaluates business risk. Do you have any comments on that?**

367 A. Yes. I was unaware of the change; Standard & Poor's must have changed this in the
368 last year. Mr. Williams' statement that "Standard & Poor's cautions that they do not
369 assign credit ratings strictly based on what part of the matrix a utility finds itself in"
370 has always applied to any quantitative or quasi-quantitative measures that Standard &
371 Poor's may apply. In any case, Mr. Williams does not say what effect, if any, this
372 new system would have on this matter, nor does he say or provide documentation
373 showing where PacifiCorp might lie in the new "matrix."

374

375 **IV. COMMENTS ON MR. WALJE'S REBUTTAL TESTIMONY**

376

377 **Q. You earlier indicated that Mr. Walje, in his Rebuttal Testimony, is most**
378 **concerned about the Company's ability to attract capital. Have you complied**
379 **with Hope and Bluefield criteria in this regard?**

380 A. Yes. As I discussed above, the equity rates I'm advocating are derived from market
381 data, and are higher than the Company's earning recent history. There is no evidence

382 that PacifiCorp will not be able to attract capital for its divisions including Rocky
383 Mountain power.

384

385 **Q. Mr. Walje's talks about "business risk" and cites several examples of what he**
386 **perceives are risk items that neither you nor Mr. Lawton dealt with adequately.**
387 **Do you have any comments about this "business risk" issue?**

388 A. Yes. What Mr. Walje describes as "business risk" is referred to as diversifiable risk in
389 finance. That is, an investor can virtually eliminate his exposure to this type of risk
390 through diversification. Since investors can minimize their exposure to this risk,
391 markets do not reward investors if they choose to bear this type of risk. Consequently,
392 diversifiable risk is irrelevant to the estimation of cost of equity.

393

394 **Q. But aren't these risks real?**

395 A. They may be. However, the best way to handle them is to deal with them directly,
396 rather than as some sort of ill-defined add-on to the cost of equity.

397

398 For example, PacifiCorp could say it needs "X" amount of additional money to attract
399 and train its workforce; the Company already has asked for additional funding for its
400 capital expenditure program; it could request "Y" amount of dollars from the
401 Commission to deal with regulatory conflicts among the six states in which it
402 operates. In my view that's a much better approach than to assert a list of allegedly

403 special risks and then arbitrarily ask that 50 or 75 basis points be added to its allowed
404 return on equity.

405

406

V. CONCLUSION

407

408 **Q. After reading the Rebuttal Testimony of the Company's witnesses, what**
409 **conclusions have you reached?**

410 I maintain my point estimate of 10.1 percent as my recommendation for Rocky
411 Mountain Power's cost of equity as being just and reasonable and supported by
412 substantial market and theoretical evidence.

413

414 **Q. Does this conclude your Surrebuttal Testimony?**

415 **A. Yes.**