

1 **Introduction and Purpose of Testimony**

2 **Q. Are you the same Samuel C. Hadaway who submitted pre-filed direct**
3 **testimony in this proceeding on behalf of Rocky Mountain Power (“RMP” or**
4 **“the Company”)?**

5 A. Yes.

6 **Q. What is the purpose of your rebuttal testimony?**

7 A. The purpose of my rebuttal testimony is to respond to the cost of common equity
8 (COE) analyses and return on equity (ROE) recommendations offered by Utah
9 Division of Public Utilities (Division) witness Mr. Charles E. Peterson, Utah
10 Office of Consumer Services (OCS) witness Mr. Daniel J. Lawton, and Federal
11 Executive Agencies (FEA) witness Mr. Michael P. Gorman. I will also respond to
12 the comments of Wal-Mart witness Mr. Steve W. Chriss concerning the risk effect
13 of the Company’s energy balancing account (EBA). Additionally, I will respond
14 to the other witness’s comments on the methodology I used in my direct
15 testimony to estimate RMP’s COE, and I will update my analysis for current
16 market costs and conditions.

17 **Review of Other Parties’ ROE Recommendations**

18 **Q. What are the parties’ ROE recommendations?**

19 A. The parties’ offer the following ROE recommendations:

20	Division	10.0%
21	OCS	9.5%
22	FEA	9.8%
23	RMP	10.5%

24 Mr. Chriss, on behalf of Wal-Mart, does not make a specific ROE
25 recommendation but states that the Commission should consider the risk

26 reduction effect of the EBA. As I will explain in my updated ROE analysis, my
27 DCF models currently indicate a reasonable range of 10.1 percent to 10.5 percent,
28 as compared to the 10.1 percent to 10.7 percent I presented in my direct
29 testimony. My updated risk premium analysis indicates a range of 10.18 percent
30 to 10.75 percent, as compared to a range of 10.10 percent to 10.24 percent in my
31 direct testimony. Based on these quantitative results and the further increase in
32 interest rates that is expected during the coming year, the Company's requested
33 10.5 percent ROE remains reasonable and should be applied by the Commission
34 to set RMP's rates.¹

35 **Q. Please summarize your principal disagreements with the other parties'**
36 **recommendations?**

37 A. Their recommendations are below RMP's market cost of equity because they use
38 deflated inputs in their models, they use some models that are currently
39 unreliable, and they ignore the increase in interest rates that has occurred. The
40 ROEs recommended by OCA and FEA are lower than the historically low rates
41 set in the Company's most recent cases.² Current data show that the low interest
42 rate cycle has reversed and that the other parties' continuing downward ROE
43 recommendations are not consistent with current interest rate levels. With respect

¹ My updated analysis is based on the same models and comparable company selection filters I used in my direct testimony. The fundamental characteristics of the updated 16-company comparable group are shown in Exhibit RMP__(SCH-1R), page 1.

² On February 28, 2011, the Idaho Public Utilities Commission (Case No. PAC-E-10-07) found a reasonable ROE for the Company to be 9.9 percent based on the timing of the evidence in that case. On March 25, 2011, the Washington Utilities and Transportation Commission (Docket UE-100749), found a reasonable ROE for the Company to be 9.8 percent, again based on the timing of the evidence in that case. The latest financial data at the time of rebuttal testimony in both of those cases was from August-October 2010, which happened to correspond to the lowest long-term utility interest rates in over 30 years (see RMP Exhibit__(SCH-2R), page 2 and RMP Exhibit__(SCH-8R)).

44 to Mr. Peterson, while his ROE recommendation is near the bottom of the
45 reasonable range, I disagree with his exclusion of several relevant companies
46 from his comparable group. I also disagree with the weighting scheme he uses in
47 his DCF model growth rate selections. Mr. Chriss provides no useful information
48 for assessing RMP's allowed ROE. Because the comparable companies used to
49 estimate COE by all witnesses in this case have fuel and purchased power
50 adjustment mechanisms, and most of those mechanisms provide full cost recovery
51 of prudently incurred costs, Mr. Chriss' comments about reducing RMP's ROE to
52 account for the EBA's risk effects are entirely misplaced. If anything, his theory
53 would support a higher ROE for RMP. All these factors show that the other
54 parties' recommendations are unreasonably low and should be modified or
55 rejected by the Commission.

56 **Economic and Market Conditions**

57 **Q. In your direct testimony, you provided data to illustrate interest rate trends**
58 **and the spreads between U.S. Treasury bond and single-A rated utility**
59 **bonds. Have you updated that information?**

60 A. Yes. I provide that data in Exhibit RMP___(SCH-2R), page 1, and summarize the
61 results below in Table 1.

Table 1
Long-Term Interest Rate Trends

Month	Single-A Utility Rate	30-Year Treasury Rate	Single-A Utility Spread
Jun-08	6.38	4.69	1.69
Jul-08	6.40	4.57	1.83
Aug-08	6.37	4.50	1.87
Sep-08	6.49	4.27	2.22
Oct-08	7.56	4.17	3.39
Nov-08	7.60	4.00	3.60
Dec-08	6.52	2.87	3.65
Jan-09	6.39	3.13	3.26
Feb-09	6.30	3.59	2.71
Mar-09	6.42	3.64	2.78
Apr-09	6.48	3.76	2.72
May-09	6.49	4.23	2.26
Jun-09	6.20	4.52	1.68
Jul-09	5.97	4.41	1.56
Aug-09	5.71	4.37	1.34
Sep-09	5.53	4.19	1.34
Oct-09	5.55	4.19	1.36
Nov-09	5.64	4.31	1.33
Dec-09	5.79	4.49	1.30
Jan-10	5.77	4.60	1.17
Feb-10	5.87	4.62	1.25
Mar-10	5.84	4.64	1.20
Apr-10	5.81	4.69	1.12
May-10	5.50	4.29	1.21
Jun-10	5.46	4.13	1.33
Jul-10	5.26	3.99	1.27
Aug-10	5.01	3.80	1.21
Sep-10	5.01	3.77	1.24
Oct-10	5.10	3.87	1.23
Nov-10	5.37	4.19	1.18
Dec-10	5.56	4.42	1.14
Jan-11	5.57	4.52	1.05
Feb-11	5.68	4.65	1.03
Mar-11	5.56	4.51	1.05
Apr-11	5.55	4.50	1.05
May-11	5.32	4.29	1.03
3-Mo Avg	5.48	4.43	1.04
12-Mo Avg	5.37	4.22	1.15

Sources: Mergent Bond Record (Utility Rates); www.federalreserve.gov (Treasury rates). Three month average is for March 2011-May 2011. Twelve month average is for June 2010-May 2011.

62 The data in Table 1 show that interest rates have increased since late summer
63 2010 and the market turmoil that has occurred over the past three years. Since the
64 lowest levels reached in August and September 2010, both utility interest rates
65 and yields on long-term Treasury bonds have increased over 30 basis points. Over
66 the past three years, interest rates have shown the widest fluctuations in recent
67 history. The Federal Reserve's continuing efforts to reduce borrowing costs for
68 banks by holding the Fed Funds rate near zero and the policy-induced, low rates
69 on U.S. Treasury bonds have affected high quality corporate borrowers as well.
70 While the effects of these artificially low interest rates may not be easily captured
71 in financial models for estimating the rate of return, equity market turbulence and
72 the elevated level of risk aversion that currently exists should not be ignored in
73 estimating the cost of equity capital.

74 **Q. Do the smaller spreads between yields on single-A utility bonds and U.S.**
75 **Treasury bonds mean that the markets have fully recovered from the**
76 **economic turmoil that resulted from the financial crisis?**

77 A. No. While markets have stabilized considerably from the conditions that existed
78 in late 2008, investors remain concerned about high unemployment, large federal
79 deficits, the Mideast turmoil and skyrocketing commodity (oil, gold, and silver)
80 and gasoline prices, and the potential for further fallout from foreclosures and
81 other effects of the financial crisis. These factors combined with sluggish growth
82 in gross domestic product (GDP) during the first quarter of 2011 continue to
83 cause a high level of market volatility and contribute to heightened investor risk
84 aversion.

85 **Q. What do interest rate forecasts show for the coming year?**

86 A. Interest rates are expected to rise substantially. In Exhibit RMP___(SCH-2R),
87 page 2, I provide Standard and Poor's (S&P) most recent interest rate forecast
88 from its *Trends & Projections* publication for May 2011. Table 2 below
89 summarizes the interest rate forecasts:

90 **Table 2**
91 **Standard & Poor's Interest Rate Forecast**

	May 2011	Average	Average
	Average	2011 Est.	2012 Est.
Treasury Bills	0.1%	0.2%	2.1%
10-Yr. T-Bonds	3.2%	3.8%	5.2%
30-Yr. T-Bonds	4.3%	4.8%	6.0%
Aaa Corporate Bonds	5.0%	5.4%	6.9%

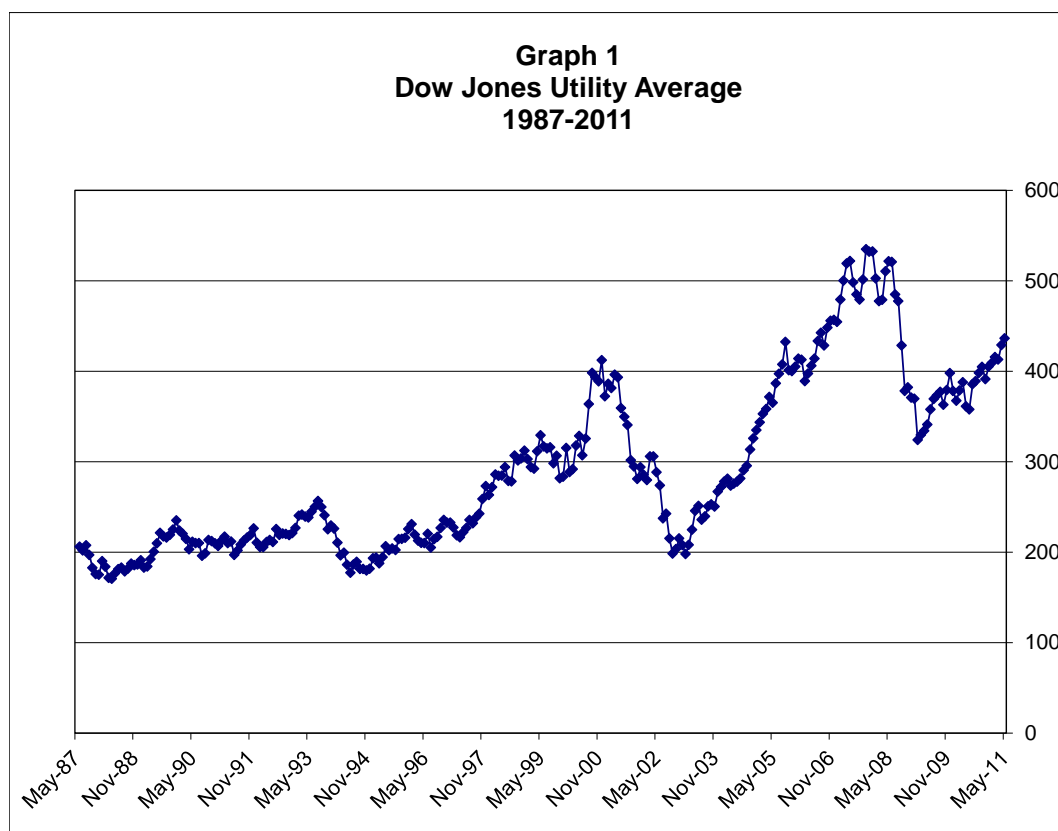
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98 Sources: www.federalreserve.gov, (Current Rates). Standard &
99 Poor's *Trends & Projections*, May 2011, page 8 (Projected Rates).

100 These data show that, during 2011, average long-term Treasury interest rates are
101 expected to increase by an additional 50 basis points relative to their May 2011
102 levels and that rates will rise substantially more during 2012. Yields on the other
103 bonds shown in the table are expected to increase by similar amounts. The interest
104 rate increases reported by S&P are consistent with the Federal Reserve ending its
105 so-called Quantitative Easing 2 program (i.e., lower demand for Treasuries, all
106 else equal, will lead to lower prices and higher yields)³ and a sluggishly
107 improving U.S. economy. Such expectations for large increases in fixed income
108 yields indicate that the expected rates of return for utilities, which must compete
109 with such investments for required capital, are increasing as well. In this
110 environment, the other parties' ROE recommendations are below RMPs cost of
111 equity and should be rejected.

³ See *Wall Street Journal*, "Fed Takes Foot Off the Gas," April 28, 2011, page A1.

112 **Q. Have you updated the graph from your direct testimony that shows how**
113 **utility stocks have performed during the past several years?**

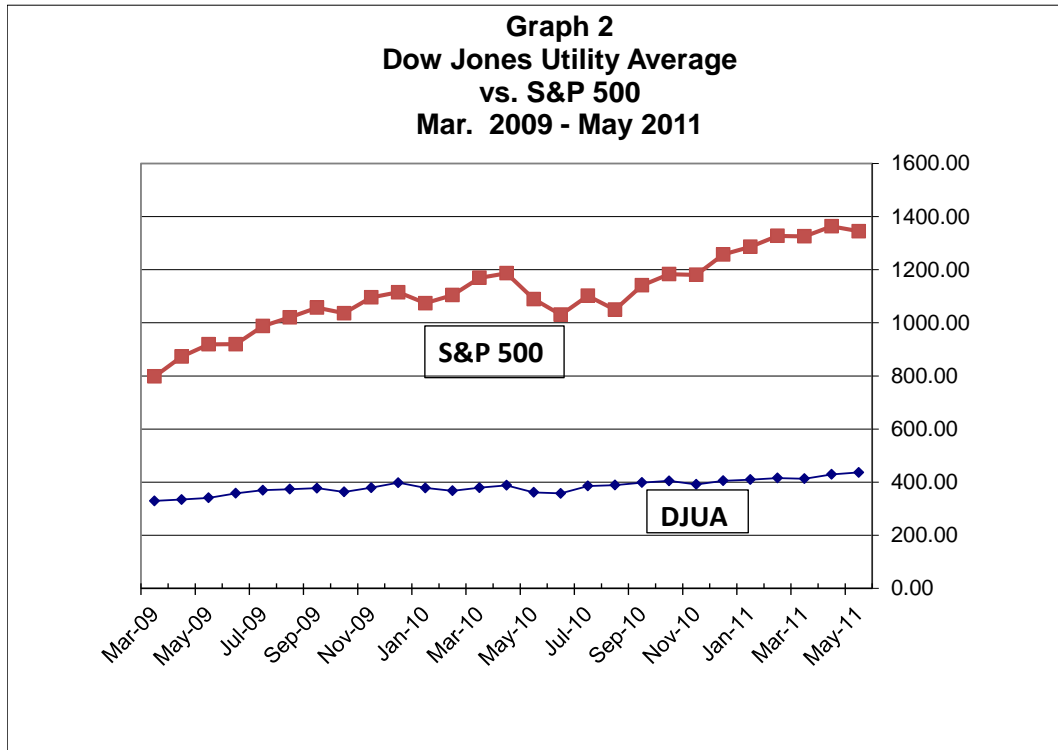
114 A. Yes. Utility stock prices have remained volatile and are well below their pre-
115 financial crisis levels. The wider fluctuations in more recent years are vividly
116 illustrated in the following Graph 1, which depicts DJUA prices over the past 25
117 years.



118 In this environment, investors' return expectations and requirements for providing
119 capital to the utility industry remain high relative to the longer-term, traditional
120 view of the utility industry. Increased market volatility for utility shares causes
121 investors to require a higher rate of return.

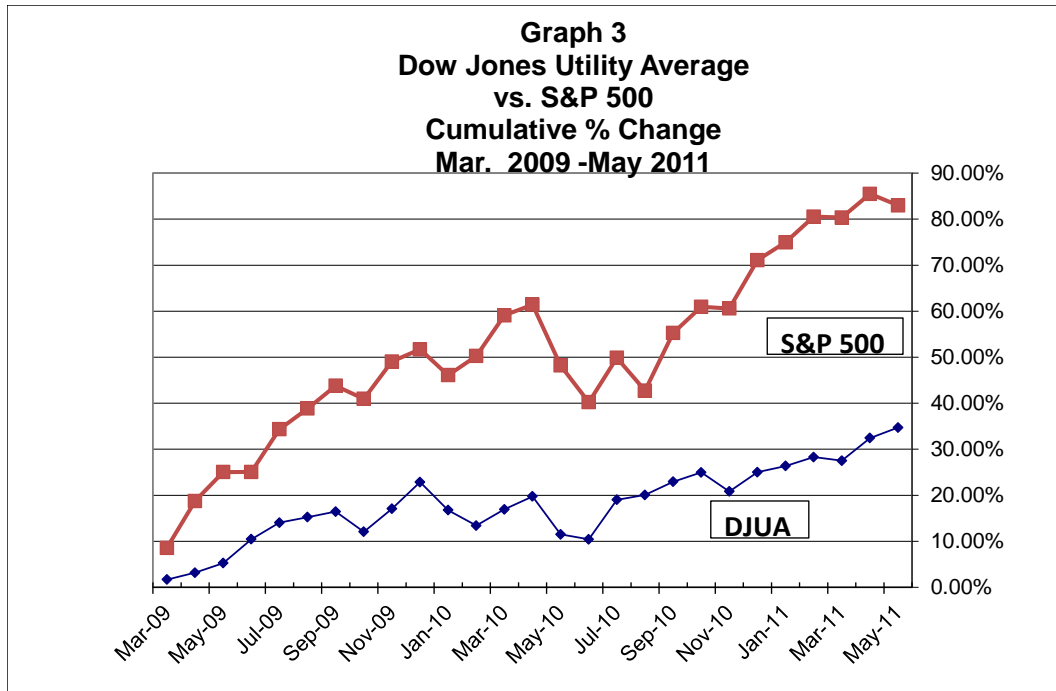
122 Q. How have utility stocks performed relative to the overall market recovery
123 since March 2009?

124 A. Utility stock prices have lagged far behind the overall market. Graph 2 shows the
125 monthly levels for the DJUA versus the broader market S&P 500 Index since the
126 market lows that occurred in February and March of 2009.



127 While the S&P 500 has increased significantly since March 2009, utility prices
128 have remained relatively flat. This result is a further indication that the cost of
129 equity for utility companies has not declined to the same extent as interest rates
130 have fallen or to the same extent that the cost of equity may have come down for
131 the broader equity market. The relatively lower prices for utility shares indicate
132 that the cost of capital for utilities is higher.

133 Graph 3 further illustrates this result by showing the cumulative
134 percentage change in the two equity indexes since the March 2009 lows.



135 The general market, as represented by the S&P 500, has recovered 83 percent
 136 (83.00%) from its March 2009 lows. During the same period, utility stocks, as
 137 measured by the DJUA, have increased by only about 35 percent (34.69%). While
 138 utility stock prices are normally less volatile than the general market, their
 139 recovery of less than one-half of the general market's gain since March 2009
 140 again points out the market difficulties that utilities face and the continuing
 141 relatively higher cost of equity for utility companies.

142 **Q. How do the other parties' ROE recommendations compare to the rates of**
 143 **return authorized by other state utility commissions around the country?**

144 A. They are substantially lower. Over the past five years, quarterly allowed ROEs
 145 have averaged about 10.4 percent. For 2010, the average rate for integrated
 146 electric utilities was 10.38 percent and for the 1st Quarter of 2011 it was 10.18

147 percent.⁴ Table 3 below summarizes the ROE data as reported by Regulatory
148 Research Associates for the past five years:

149 **Table 3**
150 **Authorized Electric Utility Equity Returns**

	2007	2008	2009	2010	2011
151 1 st Quarter	10.27%	10.45%	10.29%	10.66%	10.35%
152 2 nd Quarter	10.27%	10.57%	10.55%	10.08%	
153 3 rd Quarter	10.02%	10.47%	10.46%	10.26%	
154 4 th Quarter	10.56%	10.33%	10.54%	10.30%	
155 Full Year Average	10.36%	10.46%	10.48%	10.34%	10.35%
156 Average Utility					
157 Debt Cost	6.11%	6.65%	6.28%	5.55%	5.66%
158 Indicated Average					
159 Risk Premium	4.25%	3.81%	4.20%	4.79%	4.69%

161
162 Source: Regulatory Focus, Regulatory Research Associates, Inc., Major Rate
163 Case Decisions, April 5, 2011. Utility debt costs are the “average” public utility
164 bond yields as reported by Moody’s.

165 The most recent averages for all of 2010 and for the 1st Quarter of 2011 were both
166 approximately 10.35 percent. These data show that Mr. Lawton’s 9.5 percent
167 ROE and Mr. Gorman’s 9.8 percent ROE are well below the ROEs deemed
168 appropriate in other recently decided cases.

169 **Q. The other parties include CAPM estimates in their COE analyses. Are you**
170 **providing a CAPM analysis in your updated analysis?**

171 A. No. The market data discussed above show that, under present market conditions,
172 potentially all three of the CAPM’s principal inputs tend to understate COE. The
173 risk-free rate, R_f , is understated because, due to governmental credit market
174 policies and investors’ increased risk aversion, the U.S. Treasury rates used for R_f
175 are artificially low. The second input, the expected market risk premium, $E(R_m -$
176 $R_f)$, when based on historical data, is also understated because such data cannot

⁴ See Exhibit RMP____(SCH-2R), page 3.

177 reflect the heightened investor risk aversion that has resulted from the financial
178 crisis. Finally, utility beta coefficients have declined because, as shown in Graphs
179 2 and 3 above, utility stocks have far underperformed relative to the broader
180 market index during the recent stock market recovery. All these factors indicate
181 that CAPM estimates of COE for utilities are unreliable and currently understated.

182 **Rebuttal of Division Witness Charles E. Peterson**

183 **Q. What is the basis for Mr. Peterson’s 10.0 percent ROE recommendation?**

184 A. Mr. Peterson continues to apply a “scattergun” approach based on three types of
185 COE estimation models (DCF, CAPM, and Value Line financial strength risk
186 premium). In Exhibit DPU 4.3, he presents estimates from six constant growth
187 DCF models, four two-stage DCF models, one CAPM estimate, and one estimate
188 from his Value Line financial strength risk premium model. At the bottom of that
189 exhibit, he indicates a reasonable range of 9.85 percent to 10.15 percent and a
190 “Final Estimate Applicable to PacifiCorp” of 10 percent.

191 **Q. Are Mr. Peterson’s “reasonable range” and point estimate of ROE based on
192 all the models he presents?**

193 A. No, they do not appear to be. While he provides extensive discussion of the
194 constant growth DCF models on pages 31-34, the two-stage growth DCF models
195 on pages 35-36, the CAPM on pages 37-40, and his risk premium model on pages
196 40-41, he does not say how he decided on the reasonable range. At page 33, lines
197 731-732, referring to Exhibit DPU 4.6, he does say that the 75-25 percent
198 earnings growth-dividend growth weighting scheme resulted in a range of 9.85 to
199 10.15 percent.

200 **Q. Is Mr. Peterson’s 9.85 percent to 10.15 percent range actually supported by**
201 **the 75-25 percent growth rate weighting approach that he attributes to the**
202 **Commission from the 2002 Questar Gas Company case, Docket No. 02-057-**
203 **02?**

204 A. No. Although not a large difference mathematically, his statement at page 33,
205 lines 731-732, does not appear to be correct. In fact, 9.85 percent is the result
206 from his constant growth DCF model with the growth rate based on dividend
207 growth only, and 10.15 percent is his result based on earnings growth only. As
208 shown on his Exhibit DPU 4.6, in the “Estimated Cost of Equity Wtd. Growth”
209 column, the 75-25 weighting scheme produces an ROE estimate of 10.06 percent.
210 In effect, his selection of the midpoint of the dividends-earning range gives 50
211 percent weight to dividend growth and 50 percent weight to earnings growth, not
212 the 75-25 percent approach he cites from the Commission’s decision in *Questar*.
213 If interpreted correctly, therefore, based on Mr. Peterson’s own comparable group
214 and his preferred growth rate approach, his results support an ROE above 10
215 percent.

216 **Q. Why do you disagree with Mr. Peterson’s interpretation of the growth rate**
217 **weighting scheme from the 2002 Questar case?**

218 A. In the *Questar* case, the Commission found that a 75 percent earnings-25 percent
219 dividends growth rate was a reasonable approach for setting the *low end* of the
220 range. The Commission also recognized projected earnings growth rates for
221 establishing the entire DCF growth rate range. In fact, in that case the
222 Commission used the weighted average as the bottom of the DCF range only and

223 applied a 100 percent earnings approach to set the top end of the range (*Questar*
224 Order at 34-35). From a policy perspective, reliance on dividend growth instead
225 of earnings growth is problematic because, over the long-term horizon measured
226 by the DCF model, earnings growth drives dividend growth, not the opposite. Had
227 Mr. Peterson correctly used the 10.06 percent ROE from his dividend-earnings
228 weighted average for the bottom of his range and the 10.15 percent ROE from his
229 earnings-only growth rate for the top of his range, his midpoint would have been
230 slightly above 10.1 percent, not the 10.0 percent he recommends.

231 **Q. Do you have other areas of disagreement with Mr. Peterson's growth rate**
232 **inputs?**

233 A. Yes. While he appears to give less weight to his two-stage growth DCF analysis,
234 it is clear that the results from that analysis would have been higher if he had used
235 more reasonable long-term growth rates in stage 2 of his models. The two-stage
236 results are shown in DPU Exhibit 4.9. In the first three of Mr. Peterson's four
237 estimates, he finds an ROE range of only 9.24 percent to 9.34 percent. The results
238 for these three models are low because the long-term growth rate in stage 2 of
239 those models (4.62%) is based on unreasonably low long-term GDP growth
240 estimates. In Exhibit DPU 4.5, Mr. Peterson indicates that the 4.62 percent GDP
241 growth rate is from Congressional Budget Office (CBO) and U.S. Energy
242 Administration (EIA) long-term forecasts.

243 These rates are low because they assume inflation rates that are only about
244 one-half the long-term historical inflation rate in the U.S. economy. The projected
245 inflation rate in the CBO forecast is 2.0 percent and in the EIA forecast, it is 1.8

246 percent. As shown in my updated GDP forecast in Exhibit RMP____(SCH-3R), for
247 the past 60 years, the U.S. GDP deflator measure of inflation has averaged a 3.4
248 percent increase per year and the consumer price index has increased by 3.7
249 percent per year. Government policy issues for balancing the budget and
250 containing the national debt aside, such low long-term inflation rates are not
251 consistent with investors' long-term experience or with the long-term
252 requirements of the DCF model. As shown in Exhibit RMP____(SCH-3R), the
253 long-run average nominal GDP growth rate has been 6.7 percent and my
254 moderated current forecast is 5.8 percent. Mr. Peterson's (as well as Mr.
255 Lawton's and Mr. Gorman's) two-stage DCF estimates are based on unreasonably
256 low growth rate projections and should be disregarded.

257 **Q. If Mr. Peterson had used your long-term GDP growth forecast in his two-**
258 **stage DCF models, what would his results have shown?**

259 A. That analysis is provided in Exhibit RMP____(SCH-4R), pages 1 and 2. In that
260 analysis, I substituted my 5.8 percent estimated long-term GDP growth rate in
261 stage two of his two-stage models. The results indicate an ROE range of 10.20
262 percent to 10.30 percent.

263 **Q. In Exhibit DPU 4.3, Mr. Peterson shows a CAPM result of only 8.73 percent**
264 **and he includes that result in the average and median estimates he shows**
265 **near the bottom of that exhibit. How do you respond to this portion of Mr.**
266 **Peterson's analysis?**

267 A Mr. Peterson's inclusion of the low CAPM result in his average and median
268 values is potentially confusing. The range produced by those values (9.73%-

269 9.98%) might appear to support his 10.0 percent recommendation as reasonable.
270 However, in the electronic version, in the unprinted area of Exhibit DPU 4.3, Mr.
271 Peterson gives no weight at all to his CAPM result. Additionally, the Commission
272 has previously addressed its rejection of the CAPM: In the 2002 *Questar* case,
273 which Mr. Peterson cites in his DCF growth rate discussion, the Commission
274 stated flatly: “[W]e cannot rely on the CAPM.” (*Questar* Order at 34). Mr.
275 Peterson’s continuing efforts to inject the CAPM into this Commission’s ROE
276 deliberations is not supported by economic facts or the Commission’s prior
277 findings.

278 **Q. On page 42, Mr. Peterson explains that he eliminated 11 companies from**
279 **your initial comparable group and used the remaining nine in his analysis.**
280 **How do you respond to his group selections?**

281 A. I agree with his elimination of Duke Energy, Progress Energy, and DPL, Inc., and
282 I have eliminated those companies from my updated analysis, because they are
283 involved in mergers. I also agree that NextEra (formerly FPL Group) should be
284 eliminated, which I have also done in my updated analysis, because its percentage
285 of regulated revenues has fallen below 70 percent. With respect to the other
286 companies, however, Mr. Peterson’s explanations are questionable. The average
287 revenues for the six companies he eliminates as being too small are about the
288 same size as RMP’s Utah operations, which are the subject of the present case.
289 Additionally, his elimination of Sempra Energy and Vectren Corp. as being
290 primarily gas companies is inconsistent with Value Line’s classification of those
291 companies in their electric utility group. As shown in DPU Exhibit 4.4, his

292 resulting 9-company group has mean and median revenues that are over twice the
293 size of PacifiCorp's total company revenues. Finally, Mr. Peterson's approach is
294 the opposite of that taken by Mr. Lawton and Mr. Gorman, both of whom
295 accepted my comparable group selections as reasonable. While it is not clear what
296 the effect of these eliminations might have been on Mr. Peterson's analysis, based
297 on my updated DCF analysis, Exhibit RMP____(SCH-7R), the analysts' growth
298 rate results for nine companies that Mr. Peterson selected are 30 to 60 basis points
299 lower than the results for the seven additional companies that remain in my
300 updated group (see Exhibit RMP____(SCH-4R), page 3).⁵

301 **Q. On page 43, lines 935-936, Mr. Peterson says that you put little or no weight**
302 **on your DCF results based on analysts' growth rates. Is this statement**
303 **correct?**

304 A. No. In my direct testimony, I included the analysts' growth rate results (10.1%) as
305 the bottom end of my DCF range. As shown in Exhibit RMP____(SCH-7R), I
306 continue to include that analysis in my update, which currently indicates a DCF
307 range, based solely on analysts' growth rates, of 10.1 percent to 10.5 percent.

308 **Rebuttal of OCS Witness Daniel J. Lawton**

309 **Q. What is the basis for Mr. Lawton's 9.5 percent ROE recommendation?**

310 A. At page 8, lines 188-195, Mr. Lawton explains that he employs the DCF model to
311 estimate the cost of equity as well as CAPM and risk premium methods as checks
312 of reasonableness. At page 23, in Table 2, and on lines 587-588, he explains

⁵ As shown in the upper right hand portion of the exhibit, the difference after excluding Entergy's low result from Mr. Peterson's group is 30 to 40 basis points.

313 further that his DCF models produce a range of 9.3 percent to 9.7 percent, with an
314 average of 9.5 percent. On page 29, in Table 4, and on lines 726-730, he expands
315 his explanation to include CAPM and risk premium results and points to a wider
316 range of 9 percent to 10 percent as further support for his 9.5 percent
317 recommendation. In addition to his ROE estimation models, at pages 30-33, he
318 also discusses risk mitigation factors and concludes that a 25 basis point reduction
319 to ROE would be appropriate, although he does not apply this reduction to reach
320 his 9.5 percent ROE recommendation.

321 **Q. What is your general assessment of Mr. Lawton's analysis and**
322 **recommendation?**

323 A. Mr. Lawton's ROE recommendation is far below RMP's cost of equity. His
324 analysis is flawed in at least four areas, and he is quite selective in the data he
325 uses to support his low recommendation. In fact, within his analysis, much of the
326 data support an ROE of well above 10 percent. His one-sided discussion of risk
327 mitigation factors, without any consideration for RMP's heightened investment
328 and operating risk factors or the implicit debt created by its purchased power
329 contracts, seems to be a recognition that his technical analysis does not reasonably
330 support his recommendation. All these factors indicate that Mr. Lawton's
331 arguments should be rejected and his unreasonably low ROE recommendation
332 should be disregarded.

333 **Q. What are the four fundamental flaws in Mr. Lawton's analysis?**

334 A. The overriding factor is that Mr. Lawton would have the Commission believe,
335 incorrectly, that utility capital costs are declining. At page 13, line 316, he says

336 that corporate bond interest rates have “steadily declined” since the peak levels
337 reached in November 2008. While it is true that the liquidity crisis (at least for
338 now in the U.S.) has eased, it is simply not true that interest rates have “steadily
339 declined.” Mr. Lawton’s data in Exhibit OCS 1.2 show that since late summer
340 2010, yields on 30-year Treasury bonds have increased by over 70 basis points
341 (from 3.77% September 2010 to 4.50% in April 2011). That same exhibit shows
342 that BBB corporate rates have increased from 5.66 percent in September 2010 to
343 6.02 percent in April 2011. Furthermore, as discussed previously and shown in
344 my Table 2, both Treasury and corporate interest rates are predicted to rise
345 substantially more during the coming year. Mr. Lawton’s basic premise that
346 capital costs are declining is simply not true.

347 His technical analyses are also flawed by his efforts to average down the
348 DCF results with unreliable growth rates and to apply a currently unreliable
349 model (the CAPM) and unreliable inputs in his additional risk premium analysis.
350 In his discussion, he also attempts to discount the more reasonable outcomes from
351 his portions of his own analysis. For example, in his Exhibit OCS 1.16, he shows
352 a constant growth DCF median of 9.26 percent and average of 9.66 percent. In his
353 discussion (at 21, line 557), he concludes that this result supports an ROE
354 estimated range of 9.3 percent to 9.7 percent. However, these low results are only
355 obtained by his averaging in totally unreliable “b times r” growth rates (at a 50%
356 weight) for his comparable companies. Had Mr. Lawton simply reported the
357 constant growth results based on his own analysts’ growth projections, without b
358 times r, his range would have been 9.95 percent to 10.05 percent. Mr. Lawton’s

359 failure to even report the constant growth DCF result based on his own analysts'
360 growth rates is indicative of his efforts to produce an unreasonably low ROE.

361 His two-stage growth DCF analysis is similarly flawed. In Exhibit OCS
362 1.7, he derives a two-stage DCF estimate of 9.57 percent to 9.61 percent and
363 states (at 22, line 583) that this analysis supports an ROE of 9.6 percent. In his
364 discussion (at 22, lines 575-576), Mr. Lawton says that the long-term (stage-two)
365 growth rate is 5.2 percent, based on the average of his analysts' growth rate
366 estimates. However, in Exhibit OCS 1.5, page 1, in column M "Average EPS
367 Forecast," the growth rate is 5.4 percent. When this higher growth rate is inserted
368 into Mr. Lawton's two-stage analysis, the result is a range of 9.74 percent to 9.79
369 percent, not the 9.6 percent he reports. I will also show below that had Mr.
370 Lawton used a long-term GDP growth rate of 5.8 percent in this analysis, his
371 range would have been 10.10 percent to 10.14 percent. Mr. Lawton was only able
372 to support his low ROE recommendation by injecting incorrect and negatively
373 biased growth rates into his DCF analysis.

374 **Q. Can you demonstrate the estimates of COE that Mr. Lawton's DCF models**
375 **would have produced with more reasonable input assumptions?**

376 A. Yes. In Exhibit RMP__(SCH-5R), I have recalculated his constant growth and
377 two-stage growth models with more reasonable growth rate inputs.⁶ Page 1 of
378 that exhibit contains the results of his constant growth analysis with the growth
379 rate based on his average analysts' growth rates, without his unreliable "b times r"

⁶ In my recalculations of Mr. Lawton's models, I also eliminated three companies (DPL, Inc., Duke Energy, and Progress Energy), which are currently involved in merger activities.

380 growth rates. The result of that analysis is a COE range of 10.10 percent to 10.17
381 percent. On page 2 of Exhibit RMP____(SCH-5R), I have recalculated Mr.
382 Lawton's two-stage DCF model with my 5.8 percent GDP growth rate estimate
383 substituted for his long-term growth rate estimate. The result of that analysis is a
384 COE range of 10.00 percent to 10.10 percent. These calculations show that Mr.
385 Lawton's DCF results do not support his low ROE recommendation when more
386 reasonable growth rate inputs are used.

387 **Q. On pages 24-25, Mr. Lawton describes a risk premium analysis similar to the**
388 **one you presented in your direct testimony (Exhibit RMP____(SCH-5)). Is his**
389 **recalculation of you risk premium analysis reasonable?**

390 A. No. Mr. Lawton's risk premium analysis is incorrect for two reasons. First, he
391 bases his analysis solely on a 5.4 percent "current" single-A bond yield. In this
392 regard, he totally ignores projections for higher utility interest rates during the
393 coming year. In my updated risk premium analysis (Exhibit RMP____(SCH-8R)), I
394 provide the risk premium results with interest rates projected for the coming year.
395 That analysis indicates an ROE of 10.75 percent, well above Mr. Lawton's 8.7
396 percent to 10.14 percent risk premium range. Mr. Lawton also has a second, and
397 more fundamental error in his risk premium analysis. For the low end of his risk
398 premium range, he uses a simple average of the risk premiums from the historical
399 1980-2010 data, without adjustment for the inverse relationship between interest
400 rate levels and risk premiums. The 8.7 percent result he obtains in this manner,
401 without accounting for the inverse relationship between interest rates and risk
402 premiums, is incorrect and should be disregarded.

403 **Q. Can you illustrate the inverse relationship between interest rates and equity**
404 **risk premiums without relying on the statistical analysis that you provided in**
405 **your direct testimony?**

406 A. Yes. While statistical analysis is often used, especially in academic research, to
407 substantiate certain economic and financial relationships, for the equity risk
408 premium issue, the relationship is so basic that simple observation and averaging
409 of the data for various time periods makes the inverse relationship clear. In Table
410 4 below, I have averaged the utility bond yields and equity risk premiums for each
411 non-overlapping five-year period between 1980 and 2010 from my equity risk
412 premium data that Mr. Lawton used.

Table 4
Average Five-Year Interest Rates and Equity Risk Premiums
(1980-2010)

Period	Average Utility Bond Interest Rate	Average Equity Risk Premium
1980-1985	13.96%	1.23%
1986-1990	9.86%	3.21%
1991-1995	8.31%	3.48%
1996-2000	7.61%	3.72%
2001-2005	6.75%	4.16%
2006-2010	6.13%	4.27%
Simple Average	8.94%	3.28%

Source: Exhibit RMP____(SCH-8R), page 1.

413 These data clearly show that equity risk premiums have consistently increased as
414 interest rates have declined. This result is a simple reflection of the fact that
415 expected and achieved rates of return in the stock market are not entirely
416 dependent on changes in interest rates. Because utilities must compete with other
417 types of equity investments for capital, the COE for utilities does not change by as

418 much as the observed changes in interest rates. For Mr. Lawton (and Mr. Gorman)
419 to use the unadjusted simple average of long-term equity risk premiums with
420 current, historically low interest rates is simply wrong. Such an approach to will
421 consistently understate the required COE.

422 **Q. On page 25, Mr. Lawton provides an additional risk premium analysis based**
423 **on the long-term Morningstar risk premium data. Does the 10.25 percent**
424 **COE estimate he obtains from that analysis support his 9.5 percent ROE**
425 **recommendation?**

426 A. No. At this point, he concedes that this check of reasonableness “indicates the
427 equity return estimate should not be higher than the lower 10% levels.” (Lawton
428 at 25, line 650.) Again, Mr. Lawton’s own technical analysis shows that his ROE
429 recommendation is well below the zone of reasonableness.

430 **Q. On pages 26-29, Mr. Lawton presents two versions of the CAPM and finds**
431 **an ROE range of 8.14 percent to 8.54 percent from those models. How do you**
432 **respond to this portion of his analysis?**

433 A. Mr. Lawton summarizes these results along with the low ends of his DCF and risk
434 premium analyses in his Table 4 on page 29. The CAPM results are by far the
435 lowest of any of the estimates shown in the table. As I explained previously,
436 under present market conditions, all three of the principal inputs to the CAPM
437 (risk-free rate, market risk premium, and beta) are likely depressed and, therefore,
438 the results from that model are unreliable. In this context, Mr. Lawton should
439 have rejected the CAPM outcomes. Only by retaining these unreasonably low
440 results was he able to obtain a CAPM/risk premium range that might appear to

441 support his low ROE recommendation. This analysis should be rejected, and Mr.
442 Lawton's ROE recommendation should be disregarded.

443 **Q. On pages 30-33, Mr. Lawton discusses "Risk Mitigation Factors." Do these**
444 **factors reduce RPM's operating risks relative to typical electric utility**
445 **industry standards?**

446 A. No. He lists six factors that he says the Commission should consider in setting
447 RPM's allowed rate of return. Mr. Lawton's assessment of these factors is
448 incorrect because he fails to address the existence of these factors for other
449 electric utilities, he fails to balance his discussion with other higher risk factors
450 that RMP faces, and he fails to even mention that the bottom line effect of these
451 factors has not allowed RMP to earn a profit level for its shareholders anywhere
452 near its allowed rate of return.

453 With respect to capital structure, Mr. Lawton notes that RMP's requested
454 equity ratio is slightly higher than the comparable group average. He does not,
455 however, discuss the additional financial leverage that RMP's purchased power
456 contracts create. It is clear from the rating agency discussions of RMP's financial
457 metrics (see Exhibit RMP____(BNW-3)) that RMP's position on a stand-alone
458 basis might not support its present "A" bond rating. Balancing the financial
459 leverage created by the imputed debt of purchased power agreements requires a
460 slightly higher equity ratio.

461 With respect to operating risks, Mr. Lawton's discussion is similarly one-
462 sided. He notes the EBA, but he fails to mention that every company in his
463 comparable group has fuel and purchased power cost recovery mechanisms in

464 place (as shown in Exhibit RMP____(SCH-1R), page 2). Likewise, he points to the
465 Company's forecasted test year and major plant addition filings, but in these areas
466 he fails to discuss the relative size of the Company's capital requirements or the
467 earnings attrition that the Company continues to face. With respect to bonus
468 depreciation, however, he says that the Company is relatively better off than other
469 utilities *because of the size and timing* of its investment additions. Finally, he
470 claims that RMP's proposed \$10 customer charge is a further risk reducing factor.
471 In fact, none of these "Factors" is unique to RMP. The consistent bond ratings for
472 the proxy group, relative to PacifiCorp, also suggest that the rating agencies do
473 not find Mr. Lawton's risk mitigation factors persuasive. A more balanced view
474 and the simple recognition that RMP has not been able to earn its allowed return
475 shows that his "Risk Mitigation" discussion is suspect.

476 **Rebuttal of FEA Witness Michael P. Gorman**

477 **Q. What is the basis for Mr. Gorman's 9.80 percent ROE recommendation?**

478 A. Mr. Gorman's results are summarized on pages 20 and 31 of his testimony. Based
479 on two constant growth DCF model and one multi-stage growth model, a risk
480 premium analysis, and the CAPM, he concludes that the reasonable COE range is
481 9.6 percent to 10.0 percent with a midpoint of 9.80 percent.

482 **Q. What is your general assessment of Mr. Gorman's ROE testimony and**
483 **recommendation?**

484 A. Mr. Gorman's recommendation is far below RMP's COE. His recommendation is
485 understated because he employs negatively biased model inputs and he includes
486 the results from one model, the CAPM, that are currently unreliable. In addition,

487 his equity risk premium analysis is flawed because he rejects the well-
488 documented fact that equity risk premiums increase when interest rates are low
489 (as they are now) and decrease when interest rates are higher. I will show that, but
490 for these deficiencies, Mr. Gorman's analysis should have supported an ROE of
491 10.35 percent.

492 **Q. What are your specific areas of disagreement with Mr. Gorman's analysis?**

493 A. Mr. Gorman and I disagree strongly on the principal inputs to several of his
494 models, and we disagree on the current reliability of the CAPM. In his analysis,
495 he consistently applies inputs that produce low COE estimates. In his constant
496 growth DCF models, he omits readily available data and makes flawed
497 assumptions about long-term growth that are not substantiated by his own results.
498 In his multi-stage DCF model, which is similar to the one I use, he agrees that
499 GDP growth is an appropriate input, but he uses short-term GDP growth rate
500 forecasts that are significantly dominated by recently low inflation rates. The
501 inflation rates in his GDP forecast are almost a full percentage point lower than
502 the longer-term historical averages. This approach is not consistent with the long-
503 term growth rate requirement of the DCF model.

504 In his equity risk premium analysis, he selects data that are not consistent
505 with the recent risk premiums allowed by regulators and he fails to include the
506 well documented inverse relationship that exists between equity risk premiums
507 and interest rates, i.e., equity risk premiums tend to increase when interest rates
508 are low and decrease when interest rates are high. With this omission, in the
509 currently low interest rate environment, his equity risk premiums are significantly

510 understated and, therefore, his equity risk premium estimates of COE are low.

511 **Q. Can you demonstrate what Mr. Gorman's results would have been if he had**
512 **used more reasonable input assumptions?**

513 A. Yes. I have redone both of Mr. Gorman's constant growth DCF models with
514 simple corrections and I have redone his multi-stage model with a higher long-
515 term GDP growth rate. In his "analysts' growth" DCF model, he excludes Empire
516 District Electric Company because apparently that company was not included in
517 his growth rate sources. However, Value Line projects Empire District's earnings
518 growth rate to be 7.0 percent and the Thomson Financial Network (available at
519 yahoo.com) indicates an Empire District growth rate of 6.0 percent. The average
520 of these two growth rates is 6.50 percent. In my correction of Mr. Gorman's
521 analysts' growth rate analysis, I include this growth rate for Empire District. In
522 addition, I update his dividend data for the Value Line West companies from their
523 most recent Value Line edition (May 6, 2011). This analysis is shown in Exhibit
524 RMP___(SCH-6R), page 2. With these updates, the median and average COEs
525 are 10.10 percent and 10.03 percent, respectively as compared to Mr. Gorman's
526 average result of 9.81 percent.

527 **Q. Has Mr. Gorman changed his position on how he summarizes his DCF**
528 **results in this case?**

529 A. Yes. In other recent cases Mr. Gorman has relied on the "median" of his DCF
530 results to support his ROE recommendations. In those cases, this approach
531 produced slightly lower results than if he had relied on the "average" of his
532 results. In this case, without explanation, Mr. Gorman has switched back to using

533 average results in his DCF summary tables. Again, while the differences are not
534 large, in this case the “average” approach produces the lower results. For his
535 constant growth DCF analysis, his average is 9.81 percent, whereas his median
536 result is 9.94 percent. For his multi-stage DCF analysis, the average is 9.43
537 percent and the median is 9.60 percent. For the sustainable growth DCF analysis,
538 the median is also lower.

539 **Q. Mr. Gorman says that the analysts’ growth rates in his constant growth DCF**
540 **analysis are too high and not sustainable. Is this conclusion consistent with**
541 **other data in Mr. Gorman’s analysis?**

542 A. No. This conclusion is not consistent with his overall recommendation. Mr.
543 Gorman’s constant growth DCF analysts-based study produces an average ROE
544 estimate of 9.81 percent. This result is virtually identical to his overall ROE
545 recommendation of 9.80 percent. Hence, there is no basis for Mr. Gorman to
546 reject analysts’ growth rates when they produce the virtually the same result as he
547 ultimately recommends.

548 **Q. Are there flaws in Mr. Gorman’s “sustainable growth” DCF calculation?**

549 A. Yes, this approach should be rejected entirely. As mentioned above in my rebuttal
550 of Mr. Lawton, the “b times r,” “sustainable” growth methodology is unreliable
551 because it fails to consider sources of growth other than retained earnings and
552 because it is circular. The “sustainable” growth rate depends directly on the
553 earned ROE for each company, which obviously depends on the level of ROE set
554 in the regulatory process. For these reasons, the “sustainable” growth approach is
555 generally rejected.

556 **Q. What is your specific disagreement with Mr. Gorman's multi-stage DCF**
557 **analysis?**

558 A. In that analysis, he uses analysts' growth rates in the first five years and a GDP
559 growth rate forecast for years 11 and later. In the intermediate years, years six
560 through ten, he interpolates between stage 1 and stage 3. I disagree with his
561 results because they are dominated by his very low GDP growth estimate. His
562 GDP growth forecast is from the five and ten-year periods published by the Blue
563 Chip Financial Forecast service. Like the CBO and EIA forecasts, the current
564 Blue Chip forecast is low because it is dominated by low expected real growth in
565 the economy (caused by the recent recession) and an assumed long-term inflation
566 rate of only about 2.0 percent. As shown in my updated GDP forecast (Exhibit
567 RMP__(SCH-2R)), this inflation rate is lower than for any ten-year period in the
568 last 60 years. The nominal 4.90 percent growth rate that Mr. Gorman uses is
569 approximately equal to or lower than nominal GDP growth in any 10-year period,
570 other than the most recent recession-dominated 10 years. For Mr. Gorman to base
571 his long-term DCF growth estimate on currently depressed, near-term GDP
572 growth is inconsistent with the DCF model's long-term growth rate requirement.

573 **Q. If Mr. Gorman had used your updated GDP growth rate, what would the**
574 **results of his multi-stage DCF analysis have been?**

575 A. In Exhibit RMP__(SCH-6R), page 3, I have reproduced Mr. Gorman's multi-
576 stage analysis (from his Exhibit WIEC__(MPG-9)) with my 5.8 percent GDP
577 growth forecast substituted for the Blue Chip growth rate he used in years eleven
578 and later. In addition, I included Empire District in the analysis based on the

579 discussion above. Based on the latest dividend data for the Value Line West
580 companies from their most recent Value Line edition (May 6, 2011), that analysis
581 indicates an average COE of 10.30 percent and a median COE of 10.35 percent.

582 **Q. Please comment on Mr. Gorman's equity risk premium analysis.**

583 A. Mr. Gorman has a fundamental mistake in his equity risk premium analysis. In
584 that analysis, he excludes the well-documented inverse relationship between
585 equity risk premiums and interest rate levels, i.e., the tendency for equity risk
586 premiums to increase when interest rates are low and to decrease when interest
587 rates are higher. In my direct testimony, I provided a detailed regression analysis
588 to document this fact. Also, as I demonstrated in my rebuttal of Mr. Lawton in
589 Table 4, the basic relationship can be shown clearly without need for the
590 statistical analysis. Additionally, in his criticism of my analysis, Mr. Gorman
591 provides an incomplete discussion of the academic literature. In fact, while
592 portions of that literature do point to additional factors that may affect equity risk
593 premiums, the literature does not dispute the basic inverse relationship. When Mr.
594 Gorman's analysis is properly modified to reflect this relationship, his equity risk
595 premium and estimate of COE are much higher.

596 **Q. Please elaborate.**

597 A. Mr. Gorman presents his equity risk premium data in Schedules MPG-11 through
598 MPG-12. He discusses that analysis on pages 21-25 of his testimony. The analysis
599 consists of two parts. In one approach, he adds equity risk premiums based on
600 government bond interest rates of 4.40 percent to 6.09 percent to a projected
601 Treasury bond yield of 5.20 percent. This analysis produces a COE range of 9.60

602 percent to 11.29, with a midpoint of 10.45 percent. In his second approach he
603 adds equity risk premiums of 3.03 percent to 4.62 percent over utility bond yields
604 to the recent “A” utility bond yield of 5.61 percent. This analysis produces a COE
605 range of 8.64 percent to 10.23 percent, with a midpoint estimate of 9.44 percent.
606 From these two results, he concludes that a risk premium COE of 9.95 percent is
607 appropriate (average of 10.45% and 9.44%).

608 **Q. What does Mr. Gorman’s equity risk premium data indicate when the**
609 **inverse relationship between interest rates and risk premiums is included?**

610 A. In Exhibit RMP____(SCH-6R), pages 4-7, I have applied the standard regression
611 analysis to calculate “interest rate adjustment” factors for his two equity risk
612 premium studies. This approach properly takes into account the inverse
613 relationship between equity risk premiums and interest rates. With this
614 adjustment, Mr. Gorman’s Treasury bond equity risk premium analysis indicates a
615 COE of 10.85 percent, as shown in pages 4-5 of Exhibit RMP____(SCH-6R). His
616 utility bond equity risk premium analysis indicates a COE of 10.21 percent (pages
617 6-7). The midpoint of these revised risk premium results is 10.53 percent.

618 **Q. Please summarize the results of your adjustments to Mr. Gorman’s analysis.**

619 A. My adjustments are summarized in Table 5 below:

Table 5
Summary of Updated Gorman ROE Results

	Gorman Average DCF	Updated Median DCF	Updated Average DCF
DCF Models			
Constant Growth DCF (Analysts' Growth)	9.81%	10.10%	10.03%
Constant Growth DCF (Sustainable Growth)	9.61%	N/A	N/A
Multi-Stage DCF	9.43%	10.35%	10.30%
DCF	9.62%	10.22%	10.17%
Risk Premium Average	9.95%	10.53%	10.53%
CAPM	9.90%	9.90%	9.90%
Indicated ROE	9.80%	10.20%	10.20%
Indicated ROE without CAPM		10.35%	10.35%

620 In the DCF model based on analysts' growth rates, the inclusion of readily
621 available growth estimates for Empire District and the inclusion of updated Value
622 Line information increases his estimate to 10.03 percent to 10.19 percent. His
623 sustainable growth DCF model is flawed and should be rejected. The inclusion of
624 a more realistic long-term GDP growth rate of 5.8 percent in his multi-stage DCF
625 analysis increases that result to 10.30 percent to 10.35 percent. Factoring in the
626 observed inverse relationship between interest rates and equity risk premiums
627 increases the equity risk premium average to 10.53 percent. I did not adjust his
628 CAPM result. As shown above, the average of the adjusted DCF result with the
629 risk premium and CAPM results is a COE of 10.20 percent. Without the inclusion
630 of the unreliable CAPM results, the adjusted average is 10.35 percent. Had Mr.
631 Gorman considered more reasonable inputs, his COE estimates would have been
632 well above the 9.80 percent ROE he recommends.

633 **Q. On page 40, Mr. Gorman criticizes your GDP growth forecast by saying that**
634 **it is based on historical GDP data. Is it accurate to say that your forecast is a**
635 **historical input?**

636 A. No. The GDP growth rate that I use is a forecast based on general economic
637 conditions that investors may expect for utilities in the very long run, as is
638 required in the DCF model. While I develop my forecast from the St. Louis
639 Federal Reserve Bank data base that covers the past 60 years, my forecast is not a
640 simple average or an extrapolation of the historical data. As is done in most
641 econometric forecasts, I use the long-run historical relationships to project what
642 investors may reasonably expect for the long-term future. I also give more weight
643 to more recent observations by applying weighted averages that give about five
644 times as much weight to the most recent 10 years as compared to the earliest 10
645 years. Giving more weight to the more recent data lowers the overall growth rate
646 forecast. For example, my current forecast is 5.8 percent whereas the annual
647 average of the growth rate data is 6.7 percent. In this context, Mr. Gorman's
648 criticism of my growth forecast is unwarranted and his comparison of my
649 approach to forecasted earnings growth rates is misplaced.

650 **Q. How do you respond to Mr. Gorman's criticisms of your equity risk**
651 **premium analysis?**

652 A. Portions of his comments are inconsistent with his own risk premium analysis. He
653 adopts my commission-authorized ROEs to estimate risk premiums and then he
654 applies those risk premiums, as I do, to both projected and current interest rates.
655 The primary differences between our approaches is that my historical timeframe

656 is longer (my data go back to 1980 and Mr. Gorman's to 1986) and I take into
657 account the inverse relationship between interest rates and equity risk premiums.
658 As I demonstrated previously, had Mr. Gorman included this fundamental
659 relationship in his analysis, his equity risk premium analysis would have produced
660 an ROE above 10 percent.

661 **Q. Mr. Gorman criticizes your use of projected interest rates in your risk**
662 **premium analysis (pages 42-43). Is this fair?**

663 A. No. In fact, Mr. Gorman relies on projected interest rates in developing key parts
664 of his own ROE analysis. In one of his risk premium studies, he uses the projected
665 long-term Treasury bond yield as the starting point to which he adds an equity
666 risk premium. In his CAPM analysis, he relies on a projected Treasury bond yield
667 as his risk-free rate. Mr. Gorman's remarks concerning my use of projected
668 interest rates are inconsistent with his own analysis and should be disregarded.

669 **Q. On pages 36 and 37, Mr. Gorman refers to the recent Idaho and Washington**
670 **decisions as evidence that your ROE recommendations have been too high.**
671 **Have other commissions recently found just the opposite in evaluating your**
672 **and Mr. Gorman's respective ROE recommendations?**

673 A. Yes. In its Order dated May 24, 2011, in Commonwealth Edison, Docket No. 10-
674 0467, the Illinois Commerce Commission (ICC) offered the following evaluation
675 of Mr. Gorman's 9.6 percent ROE recommendation:

676 The Commission finds the testimony of [Illinois Industrial Energy
677 Consumers] IIEC and AG/CUB relating to ROE also unpersuasive.
678 **The evidence shows that Mr. Gorman's estimated ROE is too**
679 **low because his model inputs are negatively biased and that**
680 **under current market conditions his CAPM is unreasonable.** In
681 addition, the Commission agrees with ComEd that Mr. Gorman

682 incorrectly believes that the cost of equity for utilities have
683 declined as much as interest rates. (Order at 153, emphasis added.)

684 The ICC also found the following:

685 The results of Dr. Hadaway's updated DCF analysis yield an
686 estimated ROE range of 10.3%-10.9%. (Order at 123) Th[e
687 adjusted Staff CAPM] number would be more in the range of Dr.
688 Hadaway's midpoint of 10.6%. A reasonable average between
689 [Staff witness] Mr. McNally's CAPM with adjustments and Dr.
690 Hadaway's average is 10.50 %. Having reviewed all of the
691 evidence and the arguments of the parties, the Commission finds
692 that a 10.50% cost of common equity for ComEd is reasonable and
693 is hereby adopted in this proceeding. (Order at 153-154.)

694 **Rebuttal of Wal-Mart Witness Steve W. Chriss**

695 **Q. On page 3, lines 7-11, Mr. Chriss recommends that the Commission should**
696 **consider the reduction in the Company's risk that, he says, results from the**
697 **ECAM? What is your response to his recommendation?**

698 A. Mr. Chriss is mistaken on at least two accounts. First, the premise of his
699 recommendation is that the Utah EBA reduces the Company's risk. With the
700 Company exposed to potential loss of up to 30 percent of the difference between
701 its in-rates and actual net power costs, it is unlikely that investors perceive
702 substantial risk reduction. While the EBA should protect against catastrophic
703 conditions like those that resulted from the 2000-2001 energy crisis, other
704 avenues of recovery might also be available under such conditions. Thus, Mr.
705 Chriss' basic premise is questionable. The second, and more important, fallacy in
706 his recommendation is that he ignores the relative position of RMP with respect to
707 the comparable group. In Exhibit RMP____(SCH-1R), page 2, I show the fuel and
708 purchased power recovery mechanisms for the 16 companies, with their
709 operations in over 30 jurisdictions. In all the jurisdictions, there are only eight

710 instances that involve dead bands or sharing mechanisms, and these are generally
711 in the two percent to five percent range. All the other operations provide dollar-
712 for-dollar recovery of prudently incurred costs. Using these companies to estimate
713 RMP's cost of equity clearly eliminates any need to reduce the ROE estimate for
714 RMP's EBA. Mr. Chriss' recommendation in this regard is inappropriate and
715 should be disregarded.

716 **Update of ROE Estimates**

717 **Q. Have you updated your analysis to take into account recent data and the**
718 **current conditions in the capital markets?**

719 A. Yes. Consistent with my customary practice, I have updated my analysis for
720 current conditions using the same methodologies that I employed in my direct
721 testimony.

722 **Q. What are the results of your updated analysis?**

723 A. My updated DCF results are shown in Exhibit RMP____(SCH-7R). The indicated
724 DCF range is 10.1 percent to 10.5 percent. My updated equity risk premium
725 studies are shown in RMP Exhibit____(SCH-8R). That analysis indicates a COE
726 range of 10.18 percent to 10.75 percent.

727 **Q. What do you conclude from your updated analyses?**

728 A. Interest rates as measured by both long-term Treasury yields and yields on long-
729 term single-A rated utility bonds have increased substantially since the
730 Company's direct case was filed. While my updated DCF results continue to
731 support only a mid-to-lower 10 percent range, the results of my risk premium
732 analysis are now about 50 basis points higher than they were when the case was

733 filed. Importantly, interest forecasts for the coming year indicate significant
734 further interest rate increases. In this environment, an ROE of 10.5 percent is
735 reasonable. I believe this is a reasonable reflection of RMP's cost of equity
736 capital.

737 **Q. Does this conclude your rebuttal testimony?**

738 A. Yes.