

1 **Introduction and Purpose of Testimony**

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

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
9 Utah Division of Public Utilities (“Division”) witness Mr. Charles E. Peterson,
10 Utah Office of Consumer Services (“OCS”) witness Mr. Daniel J. Lawton, and
11 Federal Executive Agencies (“FEA”) witness Mr. Michael P. Gorman. I will also
12 respond to the comments of Wal-Mart witness Mr. Steve W. Chriss concerning
13 the risk effect of the Company's energy balancing account (“EBA”). Additionally,
14 I will respond to the other witness's comments on the methodology I used in my
15 direct testimony to estimate RMP's COE, and I will update my analysis for
16 current market costs and conditions.

17 **Review of ROE Recommendations**

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

19 A. The parties offer the following ROE recommendations:

| | | |
|----|----------|-------|
| 20 | RMP | 10.2% |
| 21 | Division | 9.3% |
| 22 | OCS | 9.4% |
| 23 | FEA | 9.25% |

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

26 reducing effect of the EBA and reduce the allowed ROE accordingly. As I will
27 explain in my updated ROE analysis, my DCF models continue to support a
28 reasonable range of 9.6 percent to 10.2 percent, the same as in my direct
29 testimony. My updated risk premium analysis indicates a range of 9.55 percent to
30 9.88 percent, which is slightly above the range of 9.55 percent to 9.70 percent
31 from my direct testimony. Given the continuing difficulties with interpreting
32 quantitative COE model results and given the ongoing volatility in the equity
33 markets, a 10.2 percent ROE at the upper end of my DCF range remains
34 reasonable.

35 **Q. How do the other parties' ROEs compare to the rates of return recently**
36 **allowed for other vertically-integrated electric utilities around the country?**

37 A. They are much lower. In Exhibit RMP____(SCH-1R), I provide quarterly average
38 ROE data through the 1st Quarter of 2012, which are published by SNL's
39 Regulatory Research Associates, an authoritative source for this information that
40 is regularly relied upon by regulatory economists, as well as by regulatory
41 commissions and their staffs. Table 1 below summarizes the quarterly ROE data
42 for vertically-integrated electric utilities:

Table 1
Authorized Equity Returns for Vertically-Integrated Electric Utilities*

| | 2008 | 2009 | 2010 | 2011 | 2012 |
|-------------------------|--------|--------|--------|--------|--------|
| 1 st Quarter | 10.49% | 10.57% | 10.59% | 10.09% | 10.30% |
| 2 nd Quarter | 10.48% | 10.75% | 10.18% | 10.26% | |
| 3 rd Quarter | 10.48% | 10.50% | 10.32% | 10.11% | |
| 4 th Quarter | 10.38% | 10.59% | 10.32% | 10.39% | |
| Full Year Average | 10.45% | 10.63% | 10.38% | 10.24% | 10.30% |
| Average Utility | | | | | |
| Debt Cost | 6.65% | 6.28% | 5.55% | 5.17% | 4.51% |
| Indicated Average | | | | | |
| Risk Premium | 3.80% | 4.35% | 4.83% | 5.07% | 5.79% |

*Vertically-Integrated Electric Utilities only. See Exhibit RMP____(SCH-1R), page 1 for the results for all companies.

43 These data show that there has not been one quarter in the past five years when
44 allowed ROEs have been nearly as low as the other parties recommend. In fact,
45 for the 1st Quarter of 2012, the average allowed ROE for vertically-integrated
46 electric companies, like RMP, was 10.3 percent. Mr. Peterson's recommendation
47 on behalf of the Division is a full 100 basis points below this contemporaneous
48 result for other utilities. Mr. Peterson's misplaced discussion of my analysis
49 notwithstanding, his and the other parties' low ROE recommendations are simple,
50 mechanical applications of standard ROE estimation models. Those models are
51 out of sync with current market realities and they do not provide a sound basis for
52 substantially reducing RMP's allowed rate of return.

53 **Q. Why do you believe that the traditional models are out of sync with the**
54 **current cost of equity?**

55 A. The Government's ongoing efforts to hold interest rates at record low levels in an
56 effort to stimulate the economy have created an artificial supply and demand
57 relationship in the capital markets. While these efforts have been successful in

58 reducing borrowing costs, they have not had an equal mitigating effect on equity
59 market risks, a fact that the technical ROE models cannot capture and that the
60 other parties have tried to ignore.

61 The current, artificially low interest rate environment presents a serious
62 challenge for any effort to apply traditional rate of return models. The
63 Government's stated policy of intervening in the capital markets to keep interest
64 rates low¹ has entirely disrupted traditional relationships for income-oriented
65 investors. With few income-producing investments available, such investors have
66 turned to dividend-paying stocks, like utilities, because yields on their traditional
67 fixed-income investments are so low. In the basic "yield plus growth" DCF
68 format, this situation has produced historically low dividend yields and ROE
69 estimates that are locked to the interest rate drop. Similarly, in the equity risk
70 premium models, either the CAPM or conventional risk premium plus bond yield
71 models, artificially low interest rates have directly reduced ROE estimates. The
72 currently low dividend yields for utilities produce lower DCF estimates and low
73 interest rates produce lower ROE estimates from equity risk premium models.

¹ On January 25, 2012 the Federal Open Market Committee of the Federal Reserve System ("Fed") issued the following policy statement:

Consistent with its statutory mandate, the Committee seeks to foster maximum employment and price stability. The Committee expects economic growth over coming quarters to be modest and consequently anticipates that the unemployment rate will decline only gradually toward levels that the Committee judges to be consistent with its dual mandate. Strains in global financial markets continue to pose significant downside risks to the economic outlook. The Committee also anticipates that over coming quarters, inflation will run at levels at or below those consistent with the Committee's dual mandate.

To support a stronger economic recovery and to help ensure that inflation, over time, is at levels consistent with the dual mandate, the Committee expects to maintain a highly accommodative stance for monetary policy. In particular, the Committee decided today to keep the target range for the federal funds rate at 0 to 1/4 percent and currently anticipates that economic conditions--including low rates of resource utilization and a subdued outlook for inflation over the medium run--are likely to warrant exceptionally low levels for the federal funds rate at least through late 2014.

74 Although these factors are hardly mentioned by the other witnesses, they
75 totally dominate the other parties' analyses. This status quo approach is not a
76 reasonable basis for setting RMP's allowed rate of return.

77 The theoretical basis for the various COE models is that markets are
78 operating in a free and unrestrained manner in which interest rates and stock
79 prices are established solely based on investors' choices and not influenced by
80 artificial intervention by the Government. While it may never be the case that the
81 market is completely free from the impacts of Government monetary policy, the
82 prolonged intervention of the Government to attempt to promote economic
83 recovery through extremely low interest rates has caused distortions that the
84 models were never designed to address.

85 **Q. In your direct testimony, you provided data that illustrated interest rate**
86 **trends and the spreads between U.S. Treasury bond yields and yields on**
87 **single-A rated utility bonds. Have you updated that information?**

88 A. Yes. In Exhibit RMP___(SCH-2R), page 1, I have updated the Government and
89 utility interest rates and the associated spread data. These data for the past two
90 years are summarized in Table 2 below.

Table 2
Long-Term Interest Rate Trends

| Month | Single-A Utility Rate | 30-Year Treasury Rate | Single-A Spread |
|--------------|----------------------------------|----------------------------------|----------------------------|
| 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 |
| Jun-11 | 5.26 | 4.23 | 1.03 |
| Jul-11 | 5.27 | 4.27 | 1.00 |
| Aug-11 | 4.69 | 3.65 | 1.04 |
| Sep-11 | 4.48 | 3.18 | 1.30 |
| Oct-11 | 4.52 | 3.13 | 1.39 |
| Nov-11 | 4.25 | 3.02 | 1.23 |
| Dec-11 | 4.33 | 2.98 | 1.35 |
| Jan-12 | 4.34 | 3.03 | 1.31 |
| Feb-12 | 4.36 | 3.11 | 1.25 |
| Mar-12 | 4.48 | 3.28 | 1.20 |
| Apr-12 | 4.40 | 3.18 | 1.22 |
| May-12 | 4.20 | 2.93 | 1.27 |
| 3-Mo Avg | 4.36 | 3.13 | 1.23 |
| 12-Mo Avg | 4.55 | 3.45 | 1.22 |

Sources: Mergent Bond Record (Utility Rates); www.federalreserve.gov (Treasury rates). Three month average is for March-May 2012.

Twelve month average is for June 2011-May 2012.

91 The data in Table 2 track the steady decline in corporate interest rates that
92 has occurred since early 2009 and the market turmoil that has existed during this
93 time period. Although rates have stabilized and risen slightly since November
94 2011, the Federal Reserve's continuing efforts to keep short-term rates near zero
95 and longer-term U.S. Treasury rates at historically low levels continue to hold
96 down corporate debt costs as well. While the effects of these monetary policy
97 efforts are not easily captured in rate of return estimation models, equity market
98 turbulence and the resulting elevated level of risk aversion indicate that the
99 decline in ROE has been far less than the decline in corporate interest rates.

100 **Q. Do the smaller spreads between single-A utility bond yields and U.S.**
101 **Treasury bonds mean that the markets have fully recovered from the**
102 **economic turmoil that resulted from the financial crisis?**

103 A. No. While markets have stabilized considerably since early 2009, concerns
104 remain about high unemployment, large federal deficits, the sovereign debt crisis
105 in Europe, as well as other domestic economic issues. These factors combined
106 with sluggish growth in gross domestic product (“GDP”) continue to raise
107 substantial equity market concerns and contribute to heightened investor risk
108 aversion.

109 **Q. What do interest rate forecasts show for the coming year and beyond?**

110 A. By late 2012, interest rates are expected to have begun increasing from currently
111 low levels. In Exhibit RMP__(SCH-2R), page 2, I provide S&P's *Trends &*
112 *Projections* forecasts, which extend through 2013. In Table 3 below, I compare

113 those forecasts to average interest rate levels for May 2012, obtained from the
114 Federal Reserve System website:

Table 3
Interest Rate Forecast

| | May 2012 | 2012E | 2013E |
|-----------------|----------|---------|---------|
| | Average | Average | Average |
| Treasury Bills | 0.1% | 0.1% | 0.1% |
| 10-Yr. T-Bonds | 1.8% | 2.1% | 2.6% |
| 30-Yr. T-Bonds | 2.9% | 3.2% | 3.7% |
| Aaa Corp. Bonds | 3.8% | 4.0% | 4.4% |

Sources: Current Rates, www.federalreserve.gov.
Projected Rates, S&P *Trends & Projections*, May 2012.

115 These data show that during 2013, long-term Treasury interest rates are
116 expected to rise by 80 basis points relative to the low levels in May 2012. The
117 yields on high-grade corporate bonds are also expected to rise significantly from
118 their current historically low levels.

119 **Q. How have utility stocks performed since the market low point reached in**
120 **March 2009?**

121 A. Prior to May of 2011, utility stock prices had lagged well behind the general
122 market recovery. Since the latter part of 2011, however, fears of potential
123 sovereign defaults as well as domestic financial problems have caused equity
124 market risk aversion to increase. This situation has made dividend oriented stocks,
125 like utilities, relatively more attractive for all income-oriented investors.
126 Improving stock performance for utilities has produced lower dividend yields in
127 the DCF model; i.e., the DCF model results, with respect to dividend yields, do
128 not reflect the overall market's volatility and heightened risk aversion. This
129 anomaly makes it more difficult to interpret current DCF cost of equity estimates
130 for utility companies.

131 **Q. The other parties' employ the CAPM in their analyses. Can you explain why**
132 **the CAPM currently understates ROE and why CAPM estimates should not**
133 **be included in estimates of RMP's cost of capital?**

134 A. Yes. The CAPM requires three inputs to estimate ROE:

135 1) the risk-free interest rate (R_f);

136 2) the market risk premium for stocks relative to the risk-free rate ($R_m -$
137 R_f); and

138 3) a measure of market-related, or nondiversifiable, risk (β or beta).

139 The CAPM estimate of ROE is calculated from the following equation:

$$140 \text{ ROE} = R_f + \beta(R_m - R_f)$$

141 Under present market conditions, and as applied by the other parties in
142 their CAPM analyses, all three of the CAPM inputs tend to understate ROE. The
143 risk-free rate, R_f , is understated because, due to the Government's easy money
144 policies and investors' flight to safety, the U.S. Treasury rates used for R_f are
145 artificially low. The second input, the market risk premium ($R_m - R_f$) is also
146 understated. This is the case because the other parties base their market risk
147 premium estimates on historical data and prior academic studies that cannot
148 possibly reflect the recent market turmoil. While there is no objective source for
149 measuring the widening equity risk premium phenomenon, the ongoing equity
150 market volatility discussed above is indicative of the effect.

151 Finally, the CAPM's market risk factor, β , may be depressed if utilities
152 provide poor market performance relative to the broader market indexes. All these

153 factors are reflected in the other parties' low CAPM estimates. Under these
154 circumstances, their CAPM estimates of ROE should be disregarded.

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

156 **Q. What are your principal areas of disagreement with Mr. Peterson?**

157 A. Our most important disagreement is our alternative views of current financial
158 market conditions. Mr. Peterson summarizes his view in the following statement
159 at the end of his economic discussion: "The U.S. financial markets appear to have
160 largely returned to their pre-crisis operations." (Peterson Direct at 14, line 304.)
161 From his immediately preceding economic discussion (at 7-14), this statement is
162 at best a non sequitur. As Mr. Peterson acknowledges, the Government's ongoing
163 monetary policies have driven interest rates to record low levels and continuing
164 turmoil in Europe has heightened investor risk aversion. Under these
165 circumstances, Mr. Peterson's routine application of the various ROE estimation
166 models is a fundamental mistake.

167 **Q. Do you also disagree with technical aspects of Mr. Peterson's analysis?**

168 A. Yes. I disagree with Mr. Peterson's continuing use of the capital asset pricing
169 model ("CAPM") and his so-called Value Line financial strength risk premium
170 model. He reports and, to some extent, claims value for the 7.5 percent to 8.5
171 percent ROE estimates that these models produce.² Such results should have been
172 dismissed. I also disagree with Mr. Peterson's comparable company choices and
173 with his selection and application of DCF growth rates. I will show that some of

² At page 32, lines 698-700, Mr. Peterson states that given the current 2.72 percent rate on a Treasury bond, his 7.43 percent CAPM estimate might be a reasonable expected return from a utility stock. On page 33, lines 713-716, Mr. Peterson says that his risk premium and CAPM estimates are "...suggestive that the DCF model results may be too high." These statements are indicative of Mr. Peterson's belief that lower interest rates translate directly to lower ROEs.

174 the companies he included in his comparable group are currently affected by
175 extraordinary circumstances. I will also show that Mr. Peterson incorrectly used
176 the "*Questar*" growth rate weighting scheme in his analysis and that he selected
177 long-term DCF growth rates that are not consistent with investors' long-term
178 economic growth rate experience. I also correct a mistake in the "terminal value"
179 calculation in Mr. Peterson's two-stage DCF models. When these technical
180 deficiencies are corrected, Mr. Peterson's DCF analysis supports a significantly
181 higher ROE than he recommends for RMP.

182 **Q. How is Mr. Peterson's analysis structured?**

183 A. Mr. Peterson continues to present results from numerous alternative models,
184 including the extremely low estimates from his CAPM and Value Line financial
185 strength risk premium models. In DPU Exhibit 1.3, he provides estimates from six
186 constant growth DCF models, the average of four two-stage DCF models, plus his
187 CAPM and Value Line financial strength risk premium models. At the bottom of
188 that exhibit, he indicates a reasonable range of 9.00 percent to 9.60 percent and a
189 "Final Estimate Applicable to PacifiCorp" of 9.30 percent.

190 **Q. Are Mr. Peterson's "Reasonable Range" and "Final Estimate" of ROE**
191 **based on all the models he presents?**

192 A. No. Although he includes a 7.43 percent CAPM result and an 8.53 percent Risk
193 Premium result in his exhibit, his 9.00 percent to 9.60 percent range seems to
194 have been formed from the average of his two-stage DCF models (9.01 percent)
195 and his single-stage DCF model using forecast EPS growth rates (9.64 percent).
196 Near the middle of that range, Mr. Peterson finds 9.28 percent to 9.32 percent

197 from his single-stage model with a 75/25 earnings/dividend growth rate
198 assumption. With these results in mind, my technical responses to Mr. Peterson
199 focus on our disagreements about how the DCF models should have been applied.

200 **Q. Do you agree that Mr. Peterson's 75/25 growth rate weighting scheme from**
201 **the 2002 *Questar* case should provide the midpoint of his range?**

202 A. No. In the *Questar* case, the Commission found that a 75 percent earnings-25
203 percent dividends growth rate was a reasonable approach for setting the *low end*
204 of the range. The Commission also recognized projected earnings growth rates for
205 establishing the entire DCF growth rate range. In fact, in that case the
206 Commission used the weighted average as the bottom of the DCF range and used
207 projected earnings growth to set the top end of the range (*Questar* Order at 34-
208 35).

209 From a policy perspective, reliance on dividend growth instead of earnings
210 growth is problematic because, over the long-term horizon measured by the DCF
211 model, earnings growth drives dividend growth, not the opposite. Had Mr.
212 Peterson correctly used the 9.28 percent ROE from his dividend-earnings
213 weighted average for the bottom of his range and the 9.64 percent ROE from his
214 earnings-only growth rate for the top of his range, his own midpoint would have
215 been approximately 9.5 percent instead of the 9.3 percent he recommends.

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

218 A. Yes. While he presents only a single average from his four two-stage growth
219 models, it is clear that the results from portions of that analysis would have been

220 higher if he had used more reasonable long-term growth rates in stage 2 of his
221 models.

222 Mr. Peterson's two-stage growth DCF results are shown in DPU Exhibit
223 1.9. In the first three of his four estimates, Mr. Peterson finds an ROE range of
224 only 8.91 percent to 8.97 percent. The results for these three models are low
225 because the long-term growth rate in stage 2 of those models (4.57 percent) is
226 based on unreasonably low long-term GDP growth rate assumptions. In DPU
227 Exhibit 1.5, Mr. Peterson indicates that the 4.57 percent GDP growth rate is the
228 average of Congressional Budget Office ("CBO") (4.66 percent) and U.S. Energy
229 Administration ("EIA") (4.48 percent) long-term forecasts.

230 These rates are unreasonable for two reasons. First, these rates are
231 estimates of GDP growth only for the next 10 years. The DCF model assumes
232 growth over a very long term. Therefore, rather than using an estimated growth
233 rate through 2022, which is heavily weighted by current economic conditions, a
234 growth rate going out much farther should be used. That is why I use a growth
235 rate based on actual historical growth rates over 60 years giving greater weight to
236 current results.

237 Second, and more important, these rates are low because they assume
238 long-term inflation rates that are only about one-half the long-term historical
239 inflation rate in the U.S. economy. The projected inflation rate in the CBO
240 forecast is 1.73 percent and in the EIA forecast, it is 1.87 percent. As shown in my
241 updated GDP forecast in Exhibit RMP____(SCH-6R), for the past 60 years, the
242 U.S. GDP deflator has increased 3.4 percent per year and the consumer price

243 index has increased by 3.7 percent per year. Government policy issues for
244 balancing the budget, containing the national debt, and maintaining the social
245 security system aside, such low long-term inflation rates are not consistent with
246 long-term experience or with the long-term requirements of the DCF model. As
247 shown in Exhibit RMP____(SCH-6R), the long-run average nominal GDP growth
248 rate has been 6.6 percent and my moderated forecast, weighted more heavily
249 toward recent data, is 5.7 percent. Mr. Peterson's (as well as Mr. Lawton's and Mr.
250 Gorman's) two-stage DCF estimates are based on unreasonably low medium-term
251 growth rate projections and should be modified or disregarded.

252 **Q. On page 21, Mr. Peterson explains that he eliminated six companies from**
253 **your initial comparable group and used the remaining eight plus five other**
254 **companies for his 13-company comparable group. How do you respond to his**
255 **group selections?**

256 A. The differences in our group selections are caused by differences in our respective
257 selection criteria, and Mr. Peterson's failure to consider the extraordinary
258 circumstances of three of his companies.³ Relative to my single-A bond rating
259 requirement (like PacifiCorp's actual bond ratings), Mr. Peterson expanded the
260 bond rating cut-off to triple-B, he applied a size criterion, and he used a more
261 complicated regulated revenue calculation.

262 For the majority of his companies most of his selections do not make a
263 difference in his results. For three of his companies, however, there are currently
264 extraordinary circumstances that make their DCF results questionable as estimates

³ I included one of these companies, Edison International, in my initial proxy group, but have excluded it in my updated analysis based on the extraordinary change in circumstances since I completed my initial analysis.

265 of ROE for RMP. I will show that his inclusion of Edison International, Entergy
266 Corp., and Pacific Gas & Electric is a major cause for Mr. Peterson's much lower
267 average ROE estimates.⁴

268 **Q. Please explain why these companies face extraordinary circumstances.**

269 A. All three are undergoing a period of erratic earnings and earnings prospects
270 caused by extraordinary events. PG&E Corp. has incurred and is continuing to
271 incur significant expenses associated with a September 2010 pipeline explosion in
272 San Bruno, California. During 2011, PG&E's earnings were reduced 80 cents per
273 share by the effects of the explosion, and a further \$200 million fine is pending
274 before the California PUC. Based on these factors, Value Line notes: "[T]he
275 company has already stated that the dividend won't be increased this year, and we
276 expect no raise in 2013, either."⁵ The DCF model is based on the assumption of
277 steadily growing dividends. Because of PG&E's erratic earnings and the
278 interruption of its normal dividend pattern, it should have been eliminated from
279 Mr. Peterson's comparable group.

280 Entergy also is affected by several factors that detract from its
281 comparability. The company's marginal single-A bond rating (A-/BBB+ from
282 Standard & Poor's and Baa1 from Moody's) is indicative. Additionally, Entergy's
283 non-regulated nuclear units have created significant concerns and the company is
284 in the process of selling its transmission business. Therefore, a significant portion
285 of the company's operations is currently undergoing merger/acquisition activity.

⁴ As shown in Mr. Peterson's DPU Exhibit 1.6, in his constant growth DCF analysis, Edison International produces an ROE range of 5.92 percent to 6.15 percent; Entergy an ROE range of 7.18 percent to 8.89 percent; and PG&E an ROE range of 5.37 percent to 8.15 percent.

⁵ Value Line Investment Survey, PG&E Corp. company page, May 4, 2012.

286 Finally, as a result of these factors, Entergy does not currently have
287 consistent earnings growth estimates from investment analysts. In its most recent
288 edition covering Entergy,⁶ Value Line shows a growth estimate of negative 1.5
289 percent. Similarly, Thomson's growth estimate for the next five years is negative
290 1.70 percent. Zacks growth estimate is positive, at 2.0 percent. The average of
291 these three estimates is a negative 0.40 percent. Such a rate is not sustainable, and
292 for this reason, Entergy is not a good comparable in the DCF model and should
293 not have been included in Mr. Peterson's group.

294 Edison International has similarly erratic earnings prospects due to
295 nonrecurring charges for its non-regulated coal plants. Value Line notes that low
296 power prices have made it unappealing for the company to spend large sums on
297 environmental upgrades that would be needed to keep the coal units operating.⁷
298 Value Line, Zacks, and Thomson forecast earnings growth for Edison
299 International to be 1.0 percent, 1.50 percent, and 0.33 percent, respectively. The
300 average of these rates is less than 1.0 percent. Edison's projected growth rates are
301 so low that, along with its dividend yield of about 3 percent, its DCF estimates are
302 not significantly above the cost of debt. For these reasons, Edison International
303 should have been excluded from Mr. Peterson's proxy group.

304 **Q. What would Mr. Peterson's constant growth DCF estimates have been if he**
305 **had eliminated these three companies?**

306 A. In Exhibit RMP____(SCH-3R), page 2, in the upper three panels I have replicated
307 Mr. Peterson's constant growth DCF calculations. In the lower three panels, I have

⁶ Value Line Investment Survey, Entergy Corp. company page, March 23, 2012.

⁷ Value Line Investment Survey, Edison International company page, May 4, 2012.

308 recalculated his results after eliminating Edison, Entergy, and PG&E. The
309 differences are significant. From his range of 9.27 percent to 9.35 percent, the
310 recalculated results increase to a range of 9.86 percent to 10.19 percent. In the
311 recalculations, I simply eliminated the three questionable companies and made no
312 other changes to any of Mr. Peterson's other inputs or assumptions. Therefore, the
313 difference in the results is entirely due to the inappropriate negative impact that
314 these companies had in Mr. Peterson's analysis. These companies should have
315 been eliminated by Mr. Peterson rather allowing them to skew his results to such
316 unreasonably low levels.

317 **Q. In Mr. Peterson's two-stage growth DCF models, what would his results have**
318 **been if he had used a higher long-term GDP growth forecast?**

319 A. A more reasonable GDP growth forecast would have significantly increased his
320 results. That analysis is provided in Exhibit RMP___(SCH-3R), pages 3 and 4. In
321 my adjustment to Mr. Peterson's assumed growth rate, I substituted my 5.7
322 percent long-term GDP growth rate for stage two growth in his first three models
323 and I eliminated his low growth rate calculations for the three non-comparable
324 companies, discussed above, in his fourth model. The average modified result
325 from Mr. Peterson's four two-stage growth models is 9.87 percent.

326 **Q. On page 34, lines 755-756, Mr. Peterson says that you put little or no weight**
327 **on your DCF results based on analysts' growth rates. Is this statement**
328 **correct?**

329 A. No. In my direct testimony, I included the analysts' growth rate results (9.6
330 percent) as the bottom end of my DCF range. As shown in Exhibit

331 RMP___(SCH-7R), I continue to include that analysis in my update.

332 **Q. On pages 36-37, lines 802-803, Mr. Peterson says that a trend analysis of**
333 **authorized ROEs presented in your direct testimony, suggests that**
334 **authorized ROEs in 2012 will average 9.49 percent. What is your response?**

335 A. While I do not question Mr. Peterson's calculation, it misses my major point that
336 as interest rates have declined to artificially low levels, COE has not moved in
337 lockstep. In fact, Mr. Peterson's DPU Exhibit 1.13 clearly shows that the slope of
338 the interest rate line is steeper than that of the authorized ROE line. This supports
339 both the fact that risk premium increases as interest rates decline and that despite
340 the unprecedented decline in bond yields from 2009 to the present, authorized
341 ROEs have been relatively flat. This is particularly the case if data from 2012 is
342 added to the graph. Although interest rates have continued to decline in 2012,
343 authorized ROEs have actually increased modestly.

344 **Q. On page 38, lines 832-837, Mr. Peterson says that you are missing the point**
345 **of regulation and that the only concern should be what returns are currently**
346 **required for RMP to attract capital. Do you agree?**

347 A. No, and I believe this statement is a useful illustration of the fact that Mr.
348 Peterson has placed excessive reliance on mechanical application of mathematical
349 formulas without considering the impact of the current economic environment on
350 the reliability of their results. We cannot measure the COE for one company, let
351 alone for several companies. If we could, one of the most difficult issues in most
352 general rate cases would be eliminated, and the Commission could simply plug
353 numbers into a formula and rely on the result. Rather than doing that, the

354 Commission considers the opinions of analysts who use various models to assist
355 them in estimating COE. In this case, the various models produce widely
356 divergent results. Although this is attributable in part to the inputs selected for the
357 models, it is also attributable to the fact that the models use different approaches
358 to estimate COE. In this case, CAPM results are consistently well below DCF
359 results. In other circumstances, CAPM results are consistently above DCF results.
360 The models are tools to assist the analyst in reaching a judgment, they are not a
361 substitute for expert judgment. If an analyst were to recommend an ROE that was
362 outside the range of all models, he or she would clearly be required to provide
363 some reasonable justification for doing so. In this case, I have explained why I
364 believe ROE is at the high end of the range of results from my DCF model runs.
365 Mr. Peterson and the other ROE witnesses would have the Commission rely
366 entirely on model results.

367 **Q. Finally, on page 40, lines 872-881, Mr. Peterson says that you are**
368 **increasingly throwing out or ignoring data and have reduced the number of**
369 **estimators you use because the results are too low. Do you agree?**

370 A. No. I have conducted all of the same analyses in this case that I have in other
371 cases over the past several years. I have long questioned the validity of CAPM,
372 and have not used it for several years. I have considered the results of my risk
373 premium results in this case just as I have in other cases. Therefore, Mr.
374 Peterson's suggestion that I have eliminated data or model results because they
375 produce results that are too low is unfounded.

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

377 **Q. What is the basis for Mr. Lawton's 9.4 percent ROE recommendation?**

378 A. At page 9, lines 223-224, Mr. Lawton explains that he employs the DCF model to
379 estimate the cost of equity. At lines 227-229, Mr. Lawton further states that he
380 uses CAPM and risk premium methods as checks of reasonableness. At page 28,
381 in Table 3, and on lines 725-726, Mr. Lawton shows and explains that his DCF
382 models produce a range of 9.0 percent to 9.8 percent. On page 32, in Table 4, Mr.
383 Lawton expands his table to include risk premium, CAPM, and ECAPM
384 (Empirical CAPM) results. Although Mr. Lawton discusses his risk premium
385 estimates (9.5 percent-9.6 percent), he does not discuss or appear to use his
386 CAPM and ECAPM results (6.7 percent and 7.1 percent). At lines 824-826, Mr.
387 Lawton also claims, that his midpoint ROE recommendation is supported by
388 RMP's regulatory mechanism that he believes mitigate the Company's business
389 risk. He does not recommend a reduction from his midpoint ROE to account for
390 this claimed risk mitigation.

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

393 A. Similar to Mr. Peterson, Mr. Lawton's ROE recommendation is well below RMP's
394 cost of equity. At 9.4 percent, Mr. Lawton's recommendation is 90 basis below
395 the 1st Quarter 2012 average allowed return for other integrated-electric utilities
396 (10.3 percent - 9.4 percent = 0.90 percent). His results are low because his models
397 are artificially influenced by the Government-induced low interest rate
398 environment; his models are negatively biased by his selection of growth rates in

399 his DCF analysis; and, also like Mr. Peterson, his results are negatively skewed by
400 his inclusion of at least two companies that are not comparable to RMP. All these
401 factors lead to an unreasonably low estimate of ROE.

402 **Q. How is Mr. Lawton's DCF analysis structured?**

403 A. Mr. Lawton presents both constant growth and two-stage growth DCF results. For
404 both models, he employs a 21-company proxy group that includes Value Line
405 electric utility companies with at least investment grade bond ratings (triple-B).
406 He eliminate three of the otherwise qualifying companies (Black Hills, Sempra,
407 and Vectren) because, even though they are classified as electric utilities by Value
408 Line, more than one-half of their revenues come from gas distribution activities.
409 He provides two versions of the constant growth model—one based on analysts'
410 earnings per share ("EPS") growth rates and one based on the average of
411 projected EPS growth and a calculated "sustainable growth rate."

412 **Q. Do you disagree with any of the technical aspects of Mr. Lawton's DCF**
413 **analyses?**

414 A. Yes. Although most of Mr. Lawton's proxy company selections do not have much
415 effect on his results, his general approach of expanding the group to include
416 companies with bond ratings below PacifiCorp's single-A rating is questionable.
417 Also, as noted above, I strongly disagree with his inclusion of at least two
418 companies that are not comparable to RMP, and which happen to produce the
419 lowest ROE estimates in his analysis.

420 I also disagree with Mr. Lawton's inclusion of the "sustainable growth,"
421 "br + sv" approach to average down his otherwise arguably reasonable analysts'

422 EPS growth rates. The "sustainable growth" approach has generally been rejected
423 because it fails to include growth rate sources beyond earnings retention and new
424 common stock sales above book value, and because the method itself is circular.
425 The method is circular because the "r" in the "br" portion of the formula is the rate
426 of return that the companies are expected to earn. And, the earned rate of return is
427 itself in large part a result of the allowed rate of return in regulatory proceedings.
428 The "br" result, therefore, depends on the allowed rate of return and, if the "br"
429 approach is used in the regulatory process, the allowed rate of return depends on
430 the rate of return expected to be earned by the utility. The "sustainable growth"
431 approach is preferred by some regulatory economists because it ignores utilities'
432 other potential sources of growth and thus generally produces a lower expected
433 growth rate. That appears to be precisely the case in Mr. Lawton's present
434 analysis.

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

437 A. Yes. In Exhibit RMP____(SCH-4R), I have recalculated both his constant growth
438 and two-stage growth models with more reasonable growth rate inputs. In my
439 recalculations of Mr. Lawton's models, in all cases I eliminated two companies
440 from his group (Edison International and Consolidated Edison). As I explained
441 previously in my rebuttal of Mr. Peterson, Edison International is currently
442 undergoing extraordinary conditions that are significantly affecting its earnings
443 forecasts. Consolidated Edison also should be eliminated because it is a
444 distribution-only utility, not a vertically-integrated utility like RMP.

445 Page 2 of Exhibit RMP____(SCH-4R) contains the results of Mr. Lawton's
446 constant growth analysis with the growth rate based on his average analysts'
447 growth rates, without his unreliable "b times r" growth rates. The result of that
448 analysis is a COE of 9.82 percent. On page 3 of Exhibit RMP____(SCH-5R), I
449 have recalculated Mr. Lawton's two-stage DCF model using his input
450 assumptions, but without Edison International and Consolidated Edison in the
451 group. The result of that analysis is a COE range of 6.57 percent to 9.69 percent.
452 On page 4 of Exhibit RMP____(SCH-5R), I have recalculated Mr. Lawton's two-
453 stage DCF model without Edison International and Consolidated Edison and with
454 my updated 5.7 percent GDP growth rate estimate substituted for his 5.2 percent
455 long-term growth rate estimate. The result of that analysis is a COE range of
456 10.01 percent to 10.13 percent. These calculations show that Mr. Lawton's DCF
457 results do not support his low ROE recommendation when more reasonable inputs
458 are used in his analysis.

459 **Q. On page 33, Mr. Lawton concludes that his midpoint ROE recommendation**
460 **is further supported by regulatory mechanisms like MPA and EBA. What is**
461 **your response to this conclusion?**

462 A. Mr. Lawton's assessment is incorrect because he fails to address the existence of
463 these factors for other electric utilities, he fails to balance his discussion with
464 other higher risk factors such as the large construction program that RMP faces,
465 and he fails to even mention that the bottom line effect of these factors has not
466 resulted in RMP earning a profit level for its shareholders anywhere near its
467 allowed rate of return.

468 With respect to operating risks, Mr. Lawton notes the EBA, but he fails to
469 mention that every company in the comparable group I used to estimate ROE has
470 fuel and purchased power cost recovery mechanisms in place (as shown in Exhibit
471 RMP____(SCH-1R), page 2), and that most of those mechanisms provide full cost
472 recovery rather than the 70 percent level of the EBA. Mr. Lawton's reliance on
473 MPA and EBA to support his low midpoint recommendation is misplaced and
474 should be rejected.

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

476 **Q. What is the basis for Mr. Gorman's 9.25 percent ROE recommendation?**

477 A. Mr. Gorman's results are summarized on page 36 of his testimony. Based on three
478 constant growth and one multi-stage growth DCF model, a risk premium analysis,
479 and the CAPM, he concludes that the reasonable ROE range is 9.0 percent to
480 9.5 percent with a midpoint of 9.25 percent.

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

483 A. Mr. Gorman's recommendation is understated because he applies improper and
484 inconsistent approaches in reaching his final ROE estimate. In his constant growth
485 DCF model, he mistakenly retains a company (Edison International) with now
486 unreliable analysts' growth rate data. The result of his multi-stage DCF analysis is
487 low because his estimate for long-term GDP growth in that analysis is
488 understated. Finally, Mr. Gorman's risk premium analysis is flawed because he
489 continues to reject the well documented inverse relationship between equity risk
490 premiums and the level of interest rates. Equity risk premiums increase when

491 interest rates are low, as they are now, and decrease when interest rates are higher.
492 When corrections are made in these areas of Mr. Gorman's analysis, the results
493 support an ROE near 9.8 percent (See Exhibit RMP____(SCH-5R), page 1).

494 **Q. What are your general areas of disagreement with Mr. Gorman?**

495 A. Mr. Gorman's analysis is negatively skewed by his assumptions and his
496 application of the models. In his constant growth DCF analysis, he includes the
497 ROE result for Edison International, which he determines to be 5.63 percent (see
498 Exhibit FEA-4 (MPG-4)). On its face, this result should have been rejected since
499 it is barely more than 100 basis points above the current cost of single-A debt at
500 4.4 percent (see Exhibit RMP____(SCH-2R), page 1). I previously discussed the
501 reasons why Edison International should be excluded from the current comparable
502 group in my rebuttal of Mr. Peterson. Mr. Gorman's constant growth DCF result
503 is too low because he includes Edison International in his analysis. On page 2 of
504 Exhibit RMP____(SCH-5R), I replicate Mr. Gorman's constant growth DCF
505 analysis, but with Edison International excluded. As shown on that exhibit, by
506 eliminating this one company, Mr. Gorman's range increases by about 20 basis
507 points (from 9.32 percent-9.38 percent to 9.49 percent-9.60 percent).

508 While Mr. Gorman applies a non-constant growth DCF model similar to
509 mine and agrees with me that GDP growth is acceptable for use in this approach,
510 he relies on relatively short-term GDP growth rate forecasts that are dominated by
511 recent historically low inflation. Mr. Gorman's GDP growth forecast contains
512 inflation estimates that are almost a full percentage point below longer-term

513 historical averages. This approach is inconsistent with the long-term growth rate
514 assumption that is fundamental to the DCF model.

515 In Mr. Gorman's risk premium analysis, he selects risk premiums that are
516 not consistent with recent risk premium data because he fails to include the well
517 documented inverse relationship between risk premiums and interest rates, *i.e.*,
518 the tendency for risk premiums to widen when interest rates are low and narrow
519 when interest rates are high. This omission causes Mr. Gorman's risk premium
520 estimates to be significantly understated.

521 **Q. Please elaborate on your specific disagreements with Mr. Gorman's multi-**
522 **stage DCF analyses?**

523 A. Mr. Gorman uses analysts' growth forecasts in the first five years of his multi-
524 stage analysis and a GDP growth forecast for years 11 and later. In the
525 intermediate years, six through 10, he interpolates between the first and third
526 stages. I disagree with Mr. Gorman's results because his estimate of future GDP
527 growth is far too low. His forecasts are for five- and 10-year periods from the
528 *Blue Chip Financial Forecasts*.⁸ The current Blue Chip consensus is low because
529 it is dominated by recent virtually zero growth in the economy, and it is based on
530 assumed long-term inflation rates of only about 2.0 percent. As shown in my
531 updated GDP forecast (Exhibit RMP____(SCH-6R)), these inflation rates are lower
532 than in any 10-year period in the last 60 years. The nominal 5.0 percent growth
533 rate that he uses is itself lower than nominal GDP growth in most of the 10-year
534 periods, other than the most recent period, which includes growth rates of -1.2
535 percent and 0.0 percent for 2008 and 2009, respectively. For Mr. Gorman to base

⁸ Gorman Direct Testimony at 24.

536 his long-term DCF growth rate on such depressed data creates an unrealistically
537 low estimate of ROE.

538 **Q. If Mr. Gorman had used your updated GDP growth forecast of 5.7 percent in**
539 **his multi-stage growth DCF analyses, what would his results have been?**

540 A. In Exhibit RMP____(SCH-5R), page 3, I have reproduced Mr. Gorman's multi-
541 stage growth DCF exhibit (Exhibit FEA-9 (MPG-9)) with the 5.7 percent growth
542 rate substituted for his long-term GDP growth estimate. That revised analysis
543 indicates a median ROE of 10.0 percent.

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

545 A. Mr. Gorman's risk premium analysis fails to include the well-documented
546 tendency for risk premiums to expand when interest rates are low.⁹ When his
547 analysis is modified to properly reflect wider risk premiums when interest rates
548 are lower, Mr. Gorman's risk premium analysis indicates a much higher ROE.

549 **Q. Please elaborate.**

550 A. Mr. Gorman's risk premium data are presented in Exhibits FEA-11 (MPG-11) and
551 FEA-12 (MPG-12). He discusses the analysis on pages 26-30 of his testimony.
552 The analysis consists of two parts. In one approach Mr. Gorman adds Government
553 bond equity risk premiums of 4.41 percent to 6.13 percent to a projected Treasury
554 bond yield of 3.90 percent. This produces an ROE result of 9.50 percent using a
555 one-third weight for the lower end of the range and a two-thirds weight for the
556 upper end. In Mr. Gorman's second approach, he adds a utility bond risk premium
557 of 3.03 percent to 4.62 percent to the recent "A" utility bond yield of 4.40 percent.

⁹ The relationship is a well-documented fact. A summary of published research on this topic is contained in Dr. Roger Morin's *New Regulatory Finance* text at pages 128-129. Mr. Gorman is inconsistent with the majority on this topic.

558 This produces an ROE result of 8.50 using the same weighting scheme as
559 described above. From these two results, Mr. Gorman concludes that an ROE of
560 9.00 percent is appropriate (midpoint of 8.50 percent and 9.50 percent).

561 **Q. In the risk premium analysis from your direct testimony, you used a**
562 **standard regression analysis to account for the inverse relationship between**
563 **risk premiums and interest rates. What do Mr. Gorman's risk premium data**
564 **indicate when this approach is used?**

565 A. In Exhibit RMP____(SCH-5R), pages 4-7, I have applied the standard regression
566 analysis to calculate "interest rate adjustment" factors for Mr. Gorman's two risk
567 premium studies. This approach properly takes into account the inverse
568 relationship between equity risk premiums and interest rates. With this
569 adjustment, Mr. Gorman's Treasury bond risk premium analysis indicates an ROE
570 of 10.12 percent, as shown in pages 4-5 of Exhibit RMP____(SCH-5R). For his
571 utility bond risk premium analysis, the indicated ROE is 9.52 percent as shown on
572 pages 6-7 of Exhibit RMP____(SCH-5R). These results further confirm that
573 Mr. Gorman's risk premium data support an ROE as high as 10.1 percent.

574 **Q. In your direct testimony, you showed that the inverse relationship between**
575 **equity risk premiums and interest rates can be seen without resort to the**
576 **regression analysis approach. Does that analysis apply to your rebuttal of**
577 **Mr. Gorman's risk premium analysis?**

578 A. Yes. While statistical analysis is often used, especially in academic research, to
579 substantiate certain economic and financial relationships, for the equity risk
580 premium issue, the relationship is so basic that simple observation and averaging

581 of the data for various time periods makes the inverse relationship clear. In Table
 582 4 below, I have averaged the utility bond yields and equity risk premiums for each
 583 non-overlapping five-year period between 1986 and 2010 and for 2011 from my
 584 equity risk premium data that Mr. Gorman used.

Table 4
Average Five-Year Interest Rates and Equity Risk Premiums
(1986-2011)

| Period | Average Utility Bond Interest Rate | Average Equity Risk Premium |
|----------------|--|-----------------------------------|
| 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% |
| 2011 | 5.17% | 5.05% |
| Simple Average | 7.63% | 3.82% |

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

585 These data clearly show that equity risk premiums have consistently increased as
 586 interest rates have declined. This result is a simple reflection of the fact that
 587 expected and achieved rates of return in the stock market are not entirely
 588 dependent on changes in interest rates. Because utilities must compete with other
 589 types of equity investments for capital, the COE for utilities does not change by as
 590 much as the observed changes in interest rates. For Mr. Gorman to use the
 591 unadjusted simple average of long-term equity risk premiums with current,
 592 historically low interest rates is simply wrong. Such an approach will consistently
 593 understate the required COE.

594 **Q. On pages 40-49, Mr. Gorman criticizes various aspects of your ROE analysis.**
595 **What is your general response to his criticisms?**

596 A. Mr. Gorman's criticisms are not accurate. They are principally focused on my use
597 of the GDP growth rate in my DCF model, my use of projected interest rates, and
598 my adjustment to the risk premium data to account for the current, low interest
599 rate environment. I disagree with Mr. Gorman's use of relatively near-term, five-
600 and 10-year Blue Chip forecasts for GDP growth; I disagree with his criticism of
601 my use of projected interest rates in my risk premium analysis because Mr.
602 Gorman also uses projected interest rates in his analysis; and I disagree with his
603 contention that risk premiums do not increase as interest rates decrease.

604 **Q. On page 42, Mr. Gorman criticizes your GDP growth forecast because it is**
605 **higher than his Blue Chip forecast, which contains much lower projected**
606 **inflation rates. How do you respond to Mr. Gorman's criticisms?**

607 A. As noted by Mr. Gorman (at 42, lines 903-905), his Blue Chip forecasts are for
608 only the next five- and 10-year periods and those forecasts indicate inflation rates
609 of only 2.1 percent and 2.2 percent, respectively. My GDP growth rate estimate is
610 based on a much longer time period, which is consistent with the DCF model's
611 requirements, and with what investors can reasonably expect once economic
612 conditions become more stable. While my forecast includes the near-term, low
613 inflation rates that dominate Mr. Gorman's five- and 10-year periods, I also
614 include longer-term data that cover other economic conditions, which can
615 reasonably be expected over the very long-run DCF model horizon. Although I
616 use data dating back to 1951 from the St. Louis Federal Reserve Bank data base,

617 my forecast is not a simple average or extrapolation of the historical data. Like
618 most econometric forecasts, my approach uses the long-run historical
619 relationships to project what investors may reasonably expect for the long-run
620 future. To account for recent data having a greater influence on current
621 expectations, I applied a weighted averaging process that gives about five times as
622 much weight to the most recent 10 years as compared to the earliest 10 years.
623 Giving more weight to the more recent, low inflation years also lowers the overall
624 forecast. For example, my updated forecast is for a future growth rate of
625 5.7 percent, while the overall long-run average of the data is a growth rate of
626 6.6 percent. In this context, Mr. Gorman's criticism of my longer-term GDP
627 growth forecast is unwarranted.

628 **Q. Mr. Gorman criticizes your risk premium analysis because you used**
629 **projected rates in part of that analysis. How do you respond?**

630 A. Mr. Gorman's criticisms are misplaced. His risk premium analysis is constructed
631 very similar to mine in that we both rely on current rates and projected rates. We
632 both recognize that interest rates are forecast to increase in the coming years and
633 that this near unanimous viewpoint should be reflected in the ROE analysis in this
634 case.

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

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

639 A. Mr. Chriss is mistaken on at least two accounts. First, the premise of his

640 recommendation is that the Utah EBA reduces the Company's risk. With the
641 Company exposed to potential loss of up to 30 percent of the difference between
642 its in-rates and actual net power costs, it is unlikely that investors perceive a
643 substantial risk reduction relative to typical energy cost recovery clauses of other
644 electric utilities. While the EBA would mitigate conditions like those that resulted
645 from the 2000-2001 energy crisis, other avenues of recovery might also be
646 available under such conditions. Thus, Mr. Chriss' basic premise is questionable.
647 The second, and more important, fallacy in his recommendation is that he ignores
648 the relative position of RMP with respect to the comparable group. In Exhibit
649 RMP___(SCH-1R), page 2, I show the fuel and purchased power recovery
650 mechanisms for the 14 companies, with their operations in over 30 jurisdictions.
651 In all the jurisdictions, there are only eight instances that involve dead bands or
652 sharing mechanisms, and these are generally in the two percent to five percent
653 range. All the other operations provide dollar-for-dollar recovery of prudently
654 incurred costs. Using these companies to estimate RMP's cost of equity clearly
655 eliminates any need to reduce the ROE estimate for RMP's EBA. Mr. Chriss'
656 recommendation in this regard is inappropriate and should be disregarded.

657 **Updated ROE Analysis**

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

660 A. Yes. Consistent with my customary practice, I have updated my ROE analysis for
661 current market conditions using the same methodologies that I employed in my
662 previous analysis.

663 **Q. What are the results of your updated DCF analyses?**

664 A. My updated DCF results are shown in Exhibit RMP___(SCH-7R). In the updated
665 analysis, two companies were removed from my original comparable group and
666 two companies were added. As already discussed, I removed Edison International
667 because of the extraordinary circumstances currently affecting projections of its
668 growth. I also removed Vectren because its percentage of regulated revenue has
669 fallen below 70 percent. I added CMS Energy and Integrys. These companies
670 were added because, in the case of Integrys, its regulated revenue percentage is
671 now above 70 percent and, in the case of CMS Energy, its financial condition has
672 normalized (its equity ratio is now above 30 percent). These companies now pass
673 my screening criteria. The resulting group, therefore, remains 14 companies. The
674 indicated DCF range is 9.6 percent to 10.2 percent.

675 **Q. What are the results of your updated bond yield plus risk premium analysis?**

676 A. My updated risk premium analysis is presented in Exhibit RMP___(SCH-8R).
677 Based on projected single-A utility interest rates, the risk premium analysis
678 indicates an ROE of 9.88 percent. Based on the most recent three month's average
679 single-A rates, the risk premium ROE is 9.55 percent.

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

681 A. My updated technical analyses indicate a current cost of equity capital in the
682 range of 9.6 percent to 10.2 percent. These results are a realistic reflection of
683 capital market conditions, but given the Government's ongoing intervention in the
684 credit markets, they may not fully reflect the equity market risk that remains. My
685 updated results show clearly that the other parties' recommendations are below

686 Rocky Mountain Power's current cost of equity capital. As stated previously,
687 given current difficulties with interpreting financial model estimates and the
688 forecasts for higher interest rates that I have presented, I believe the Company's
689 initially requested 10.2 percent remains reasonable.

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

691 A. Yes.