

1 **Q. Please state your name, business address and present position with Rocky**  
2 **Mountain Power (the “Company”), a division of PacifiCorp.**

3 A. My name is Gregory N. Duvall, my business address is 825 NE Multnomah St.,  
4 Suite 600, Portland, Oregon 97232, and my present title is Director, Long Range  
5 Planning and Net Power Costs.

6 **Q. Have you previously filed testimony in this case?**

7 A. Yes. I filed direct testimony, supplemental direct testimony and rebuttal testimony  
8 in Phase I of this case. I also filed rebuttal testimony in Phase II-1 and  
9 supplemental direct testimony in Phase II-2 of this case.

10 **Q. Will any other witnesses be presenting rebuttal testimony with this filing?**

11 A. Yes. In addition to myself, three witnesses will present rebuttal testimony in  
12 support of Rocky Mountain Power’s<sup>1</sup> Energy Cost Adjustment Mechanism  
13 (“ECAM”): Dr. Karl A. McDermott, Ameren Distinguished Professor of Business  
14 and Government at the University of Illinois at Springfield and a Special  
15 Consultant to National Economic Research Associates, Inc. (“NERA”); Dr.  
16 Samuel C. Hadaway, Principal in FINANCO, Inc.; and Mr. Stefan A. Bird, Senior  
17 Vice President, Commercial and Trading.

18 **Q. What is the purpose of the Company’s rebuttal filing?**

19 A. The rebuttal filing responds to issues raised by the Division of Public Utilities  
20 (“DPU”), presented in the testimony of Mr. Charles E. Peterson; the Office of  
21 Consumer Services (“OCS”), presented in the testimony of Mr. Daniel E. Gimble;  
22 the Utah Association of Energy Users (“UAE”), presented in the testimony of Mr.

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<sup>1</sup> Rocky Mountain Power is a division of PacifiCorp, however for simplicity references to Rocky Mountain Power or the Company at times denote PacifiCorp or another division, PacifiCorp Energy, unless in figures or charts a specific publication source cites to the company name.

23 Kevin C. Higgins; the Utah Industrial Energy Consumers (“UIEC”), presented in  
24 the testimony of Mr. Maurice Brubaker; and Western Resource Advocates and  
25 Utah Clean Energy (“WRA/UCE”), presented in the testimony of Ms. Nancy L.  
26 Kelly.<sup>2</sup>

27 I address a number of the design issues including the deadband and  
28 sharing mechanisms, the load growth adjustment, the level of the carrying charge,  
29 treatment of renewable energy credit (“REC”) revenues, treatment of natural gas  
30 fuel costs, hedging costs and market purchases, treatment of hydro-electric  
31 generation and its effect on inter-jurisdictional allocation issues and the  
32 disposition of the deferral of incremental net power costs (“NPC”), and audit  
33 issues.

34 Dr. McDermott provides testimony on US regulatory practice with regard  
35 to prudence reviews in the context of ECAM mechanisms, particularly as it  
36 relates to the proposed deadband and sharing mechanisms, as well as the issue of  
37 management incentives.

38 Dr. Hadaway provides testimony responding to comments concerning the  
39 effect on allowed return on equity (“ROE”) that should result from the adoption  
40 of an ECAM.

41 Mr. Bird provides testimony that corrects the analysis presented by the  
42 DPU to show the Company has not lost money on its hedging program, to explain  
43 the proper analysis to determine if a hedging program is effective and to explain  
44 why adoption of the DPU’s proposed incentive to decrease the sharing band as the

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<sup>2</sup> Unless otherwise noted, cites to testimony contained in this rebuttal testimony refer to the testimonies filed with the Commission on August 4, 2010.

45 Company reduces reliance on market purchases, the OCS's proposal to exclude  
46 natural gas fuel costs, natural gas hedging costs and market purchases and the  
47 DPU's, OCS', UAE's and WRA's proposals to exclude REC revenues from the  
48 ECAM would create perverse incentives that are not in customers' interests.

49 **Summary of Testimony**

50 **Q. Will you please summarize the topics you will cover in your rebuttal**  
51 **testimony?**

52 A. In my rebuttal testimony, I cover the following topics:

- 53 • Would the deadband and sharing mechanisms proposed by the parties result in  
54 just and reasonable rates and are they necessary?
- 55 • Should an ECAM include a load growth adjustment factor, and if so, how  
56 should it be designed?
- 57 • What is a reasonable carrying charge to be applied to the deferred ECAM  
58 balance?
- 59 • Is it preferable for incremental revenues from REC sales to be included in the  
60 ECAM?
- 61 • Should natural gas fuel costs, natural gas hedging costs and market purchases  
62 be excluded from the ECAM?
- 63 • Should hydro-electric generation be included in the ECAM?
- 64 • Should rolled-in allocations be implemented in this docket?
- 65 • What should be done with the balances that have accumulated in the deferred  
66 NPC and REC revenue balances?
- 67 • Does the complexity of auditing the utility's generation function in

68 comparison to the auditing of a Purchased Gas Adjustment (“PGA”) justify a  
69 deadband and/or a sharing band be applied to an electric utility, while  
70 concurrently applying a dollar-for-dollar PGA to a gas utility?

71 At the end of my testimony, I address a few miscellaneous issues raised in  
72 the testimony of other parties.

73 **Deadband and Sharing Mechanisms**

74 **Q. Please describe the deadband and sharing mechanisms proposed by the**  
75 **parties if an ECAM is adopted.**

76 A. Mr. Peterson proposes a deadband of 2 percent on either side of forecast NPC. He  
77 and Mr. Gimble, Mr. Higgins and Ms. Kelly also propose sharing of differences  
78 between forecast NPC and actual NPC of 30 percent to the Company and 70  
79 percent to customers. Mr. Peterson adds a proposal that there be no sharing if  
80 actual costs diverge by more than 30 percent from NPC allowed in rates.

81 **Q. Would adoption of these proposals result in just and reasonable rates?**

82 A. No. Professor Bonbright defines reasonable rates as follows:

83 “reasonable” rates of charge for public utility services are held to  
84 be rates sufficient, but no more than clearly sufficient, to cover the  
85 total costs actually and prudently incurred by a company in  
86 supplying these services.<sup>3</sup>

87 The statute which authorizes the Commission to approve an ECAM states:

88 Prudently incurred actual costs in excess of revenues collected  
89 shall: (i) be recovered as a bill surcharge over a period to be specified by  
90 the commission ....<sup>4</sup>

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<sup>3</sup> Bonbright, James C., *Principles of Public Utility Rates*, Columbia University Press, 1961, p. 240.

<sup>4</sup> Utah Code Ann. § 54-7-13.5(2)(h).

91                   A deadband of two percent and recovery of only 70 percent of incremental  
92 prudently incurred costs appears to be inconsistent with Bonbright’s definition of  
93 “reasonable” rates and with Utah’s authorizing statute.

94 **Q.    What is the difference between the Company’s actual prudently incurred**  
95 **costs and the costs that the Company would recover under the deadband and**  
96 **sharing mechanisms proposed?**

97 A.    The answer varies depending on the amount of forecast NPC and the amount of  
98 actual NPC. With regard to the deadband, the Company would not recover any  
99 actual NPC in excess of the amount included in rates unless it was in excess of  
100 two percent of NPC included in rates. With regard to the 70/30 sharing  
101 mechanisms proposed, the Company would only recover 70 percent of any  
102 incremental NPC not included in rates. This does not result in just and reasonable  
103 rates.

104 **Q.    Do you believe that deadband and sharing bands are effective incentive**  
105 **mechanisms to include in adjustment clauses?**

106 A.    No, for at least three reasons.  
107 First, the most effective incentive is a prudence review and that is what the  
108 Company has proposed. Notably, no other party seems to have enough confidence  
109 in its proposed incentive to offer to eliminate the prudence reviews.

110                   Second, the proposed deadband and sharing mechanisms do not  
111 incentivize the right behavior. For example, assume the average market cost  
112 increases by \$200,000,000 in a 12-month period but, through extraordinary and  
113 prudent efforts, the Company is able to limit the increase to \$50,000,000. The so-

114 called incentives (a 70/30 sharing mechanism) would deny the Company recovery  
115 of \$15,000,000 of out-of-pocket costs, even though the Company went through  
116 extraordinary efforts to mitigate cost increases. Now assume market prices  
117 decreased by \$200,000,000 in the next 12-month period, and the Company does  
118 nothing more than ride the market down. The 70/30 sharing mechanism proposed  
119 by the other parties would allow shareholders to retain \$60,000,000, for the  
120 Company doing nothing.

121 Third, cost disallowances based on artificial percentages are not effective  
122 in influencing the conduct of the decision makers. The decision makers in this  
123 instance are the power traders and fuel negotiators who must fulfill the obligation  
124 to serve customers. These decision makers are focused on making the most  
125 prudent transaction at the time they enter into a deal to meet customers' power  
126 needs. That is the incentive which drives their decisions, and it should also be the  
127 basis upon which their decisions are judged.

128 In summary, the so-called sharing bands are punitive because they would  
129 penalize the Company when it has done nothing wrong. Ultimately, the  
130 Commission will determine if the Company has acted prudently by conducting a  
131 prudence review, showing that a prudence review is the only true effective  
132 incentive.

133 **Q. What do you recommend with regard to the proposed deadband and sharing**  
134 **mechanisms?**

135 A. The Commission should reject them because they would not result in just and  
136 reasonable rates and because they are not necessary or effective in motivating the

137 Company to be prudent.

138 **Load Growth Adjustment Factor**

139 **Q. Please describe the load growth adjustment factor proposed by UAE.**

140 A. On page 5 of his testimony, Mr. Higgins recommends that a load growth  
141 adjustment factor should be included in an ECAM design. In UAE Exhibit 1.4.D,  
142 Mr. Higgins includes a specific calculation of his proposed factor, and  
143 recommends the factor should be set to \$28.43 per MWh if the ECAM becomes  
144 effective before the conclusion of the next general rate case in 2011. He states that  
145 the value of the factor would be multiplied by each MWh of Utah load change  
146 that occurs relative to the test-period load used for setting rates in the most recent  
147 general rate case resulting in a symmetrical adjustment. Mr. Higgins claims, and  
148 the Company agrees, that the calculation in UAE Exhibit 1.4D is the same as the  
149 calculation of the load adjustment factor included in the Company's Idaho ECAM  
150 with the exception that UAE's proposed factor for Utah adds the revenues  
151 associated with transmission plant.

152 **Q. What is the Company's response to this proposal?**

153 A. The Company is opposed to a load growth adjustment factor as part of the ECAM  
154 for several reasons.

155 First, the investment and expenses functionalized to generation and  
156 transmission used to calculate the proposed load growth adjustment have no direct  
157 connection to NPC, are dissimilar to and not part of NPC and are beyond the  
158 scope of the ECAM. The ECAM, as proposed, trues up highly volatile and  
159 unpredictable forecasts of NPC-related revenues with actual NPC. The proposed

160 load growth adjustment is a step, although an incomplete and one-sided step,  
161 toward a generation and transmission cost adjustment mechanism, which no party  
162 has proposed.

163 Second, the proposed load growth adjustment is one-sided in that it  
164 reflects increases in revenues associated with load growth, but does not reflect  
165 any increases in non-NPC costs associated with that load growth. This is  
166 particularly an issue when rates remain in effect beyond the test period. If the test  
167 period used to set base rates is perfectly aligned with the rate-effective period, this  
168 issue is mitigated to a large extent during the first year rates are in effect. For any  
169 period beyond the test period, however, the mismatch of reflecting increased  
170 revenues from load growth without also reflecting the increased cost associated  
171 with that load growth remains.

172 Third, a load growth adjustment penalizes utilities, like Rocky Mountain  
173 Power, that are engaged in a significant capital investment program and  
174 exacerbates the impacts of regulatory lag. Regulatory lag occurs even when  
175 incremental revenues from additional retail sales are retained by the utility if the  
176 incremental investments are more expensive than embedded costs. When a  
177 portion of those revenues are returned to customers, the impacts of regulatory lag  
178 become even greater and would incent the Company to file annual rate cases to  
179 keep costs and revenues aligned. While the Company has the opportunity to  
180 request recovery of major plant additions, they account for far less than the total  
181 capital investment and cost increases experienced by the Company.

182 Finally, a load growth adjustment that reflects revenue increases without



183 reflecting increases in costs would violate the regulatory principle of matching  
184 which would be exacerbated the further the test period lags the rate-effective  
185 period.

186 If the Commission decides that a load growth adjustment is appropriate, it  
187 should only be included as part of a comprehensive ECAM that incorporates all  
188 NPC components and includes very tight, if any, sharing bands and no dead band.  
189 If the Commission decides a load growth adjustment and sharing bands are  
190 appropriate, the sharing bands should apply to the load growth adjustment. In  
191 addition, a load growth adjustment should only be included if the revenue  
192 requirement and base NPC are established in a general rate case using a fully  
193 forecasted test period that aligns with the rate-effective period, as allowed by  
194 statute, to address the mismatch between costs and revenues described above. The  
195 load growth adjustment would be positive or negative depending on whether the  
196 actual Utah loads are higher or lower than the test-period loads.

197 **Q. In support of his proposal Mr. Higgins references the load growth**  
198 **adjustment in the Idaho ECAM. How does the Company respond to this**  
199 **reference?**

200 A. Rocky Mountain Power did not propose and, in fact, opposed the load growth  
201 adjustment in Idaho for the reasons addressed above. The load growth adjustment,  
202 which does not include a transmission component, was included in the Idaho  
203 ECAM as part of a quickly achieved, comprehensive ECAM settlement that  
204 included no deadband and 90/10 sharing, which also applies to the load growth  
205 adjustment. As opposed to the ECAM recommended by UAE and other parties in

206 Utah, the Idaho ECAM, which was filed approximately five months before the  
207 Company filed its ECAM application in Utah and is now in its second year of  
208 operation, incorporates all NPC components, including hedging costs and front  
209 office transactions. It also includes a renewable energy investment adjustment.

210 If the load growth adjustment factor presented by Mr. Higgins in UAE  
211 Exhibit 1.4D is adopted, two minor corrections need to be made to his  
212 calculations.

213 **Q. What corrections need to be made to Mr. Higgins' calculation?**

214 A. Mr. Higgins uses data from the Company's original major plant addition filing in  
215 Docket No. 10-035-13 and does not include the impacts of the updates or  
216 settlement in that Docket. Based on the final order in the Company's general rate  
217 case, Docket No. 09-035-23, the Company updated the capital structure and ROE  
218 in the major plant addition case, resulting in a pre-tax return on rate base of 11.65  
219 percent consistent with the Commission's order. This update was not reflected in  
220 Mr. Higgins' exhibit. He also did not reflect the Company's updates to reflect the  
221 actual amount spent on the additions as agreed to in the major plant addition  
222 settlement. These two corrections reduce the \$28.43 per MWH load growth factor  
223 by \$0.57, resulting in a corrected load growth factor of \$27.86 per MWh.

224 **Q. Did DPU witness Mr. Peterson propose a load adjustment factor?**

225 A. Yes. In the formula on page 19 of Mr. Peterson's testimony, line 417, there is a  
226 term that is the actual annual revenues less the forecast revenues over the annual  
227 ECAM period approved by the Commission in a general rate case. He does not  
228 provide any additional detail in testimony on the mechanics of this proposal or

229 why it is reasonable. For example, he does not identify which revenues should be  
230 included.

231 **Q. Is Mr. Peterson's load adjustment factor calculation similar to the one**  
232 **proposed by Mr. Higgins?**

233 A. No. DPU Exhibit 3.3 appears to detail the calculation of the load adjustment  
234 factor proposed by Mr. Peterson. His proposal is based on measuring the  
235 difference in total Company system load, and multiplying that difference by the  
236 total Company average revenue from Form EIA-826. Based on this example, if  
237 loads in Oregon were to increase, then Utah customers would receive a revenue  
238 credit in the ECAM calculation even if Utah actual loads matched Utah forecast  
239 loads included in rates. Mr. Peterson's load adjustment factor proposal could lead  
240 to unintended consequences and should be rejected by the Commission.

#### 241 **Carrying Charge on ECAM Balancing Account**

242 **Q. On page 31 of Mr. Higgins' testimony, he disagrees with the Company's**  
243 **proposal that the ECAM balancing account earn the Company's most**  
244 **recently approved rate of return and use instead the Company's cost of long-**  
245 **term debt consistent with the carrying charge of 5.98 percent approved in**  
246 **this docket for any deferred NPC or REC revenues. How do you respond to**  
247 **his recommendation?**

248 A. The Company does not object to using the cost of long-term debt from the  
249 Company's most recently approved cost of capital as a carrying charge for the  
250 ECAM balance. However, if the Commission adopts this proposal, the cost of  
251 long-term debt should be updated each time a new cost of capital is approved by

252 the Commission.

253 **Renewable Energy Credits**

254 **Q. Has any party to this proceeding proposed the inclusion of REC revenues in**  
255 **the Utah ECAM?**

256 A. Yes. The Company proposed to include REC revenues in the Utah ECAM in its  
257 supplemental direct filing in Phase II-2 of this proceeding.

258 **Q. Does any other party support this proposal?**

259 A. No. However Mr. Higgins expresses a preference for incremental REC revenues  
260 to be included in an ECAM rather than to not be recognized as a credit to  
261 customers at all. (Higgins page 38, lines 797-799)

262 **Q. What is Mr. Higgins' view?**

263 A. Mr. Higgins states that his view is that incremental REC revenues should be  
264 credited to customers as an offset to rates irrespective of whether an ECAM is  
265 approved. (Higgins page 35, lines 758-760)

266 **Q. What is the basis of Mr. Higgins' view?**

267 A. He claims that there is no direct or necessary relationship between NPC and REC  
268 revenues. (Higgins page 35, line 756)

269 **Q. Do you agree that there is no direct or necessary relationship?**

270 A. No. There is a direct and necessary relationship between NPC and REC revenues  
271 because both RECs and energy are generated from the same source. Since the  
272 energy generated from the resources that generate RECs is included in the Utah  
273 ECAM, the REC revenues should be included in the ECAM.

274 **Q. Is there any other reason that it is necessary to treat incremental NPC and**  
275 **incremental REC revenues the same?**

276 A. Yes. Both are large, volatile, unpredictable and largely outside the control of the  
277 Company. Allowing incremental REC revenues to be tracked and passed through  
278 to customers in the absence of similar treatment of NPC would be inequitable.

279 **Natural Gas Fuel and Hedging Costs and Market Purchases**

280 **Q. Mr. Gimble recommends that natural gas fuel costs, natural gas hedging**  
281 **costs and market purchases be excluded from the Utah ECAM. Are these**  
282 **recommendations sensible?**

283 A. No. If these recommendations, along with Mr. Gimble’s recommendation to  
284 include wheeling revenues in the ECAM, were adopted, the Utah ECAM would  
285 include non-gas related fuel expense (primarily coal expense), purchased power  
286 expense that is not considered a “market purchase”<sup>5</sup>, and wheeling expense; offset  
287 by wholesale sale and wheeling revenues and adjusted by a load growth factor.

288 **Q. How does Mr. Gimble characterize his proposal?**

289 A. He characterizes it as a partial ECAM which could create unintended perverse  
290 incentives. (Gimble page 19, lines 545-546). I agree. DPU witness Mr. Peterson  
291 indicates that the DPU abandoned the approach of excluding specific elements  
292 from the ECAM due to the potential of perverse and unintended incentives as  
293 well. (Peterson page 11, lines 224 and 234, and page 23, line 510)

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<sup>5</sup> It is unclear from Mr. Gimble’s testimony what is included in “market purchases”.

294 **Q. Please give an example of a potential perverse and unintended incentive that**  
295 **could result if the Commission were to adopt the ECAM proposed by Mr.**  
296 **Gimble.**

297 A. Mr. Gimble proposes to include all wholesale sales revenues in the ECAM, even  
298 though they are made possible by total system generation including natural gas  
299 generation. Under this approach, if the Company could reduce NPC by making  
300 additional wholesale sales by turning on a natural gas plant, it would be incited  
301 not to do so since customers would see cost reductions due to the increase in  
302 wholesale sales revenues, but shareholders would pay for the natural gas.

303 **Q. How does the Company's hedging strategy benefit Utah customers?**

304 A. The Company's hedging strategy mitigates the volatility of NPC and protects  
305 against increases in NPC as a result of unforeseeable changes in wholesale market  
306 prices for electricity and natural gas. For example, if the Company had not had a  
307 hedging program prior to the last general rate case, forecast NPC determined by  
308 GRID in that case could have been \$120 million higher due to changes in market  
309 prices alone. The Company's hedging program reduced this range to about \$10  
310 million and protected retail customers from adverse market prices that could  
311 increase NPC significantly due to circumstances outside the control of the  
312 Company.

313 **Q. How did you determine the range of NPC outcomes with and without**  
314 **hedging?**

315 A. The Company started with the Commission ordered NPC in the most recent  
316 general rate case, Docket No. 09-035-23. For the hedged cases, GRID runs were

317 made using the Company's official forward price curves for June 2008, March  
318 2009 (the official price curve in the docket) and June 2010 to test a range of  
319 prices. For the unhedged cases, all short-term firm physical and financial  
320 contracts were converted to index contracts. The unhedged results were developed  
321 using the same set of three forward price curves.

322 **Q. Do retail customers receive this benefit today?**

323 A. Yes. Retail customers receive benefits from the Company's hedging strategy  
324 whether or not there is an ECAM as illustrated by the example cited above.

325 **Q. What do you recommend with regard to Mr. Gimble's proposal that natural  
326 gas fuel costs, natural gas hedging costs and market purchases be excluded  
327 from the Utah ECAM?**

328 A. The Commission should reject Mr. Gimble's proposal because it could create  
329 unintended perverse incentives and excludes hedging costs that provide benefits  
330 to Utah customers. Mr. Bird further responds to Mr. Gimble's proposal in his  
331 rebuttal testimony.

332 **Hydro, Rolled-In Cost Allocation and Treatment of NPC and REC Revenue  
333 Deferrals**

334 **Q. Why have you grouped hydro, rolled-in cost allocation and the disposition of  
335 the deferred accounts together?**

336 A. Parties have made recommendations that create dependencies among these three  
337 items.

338 **Q. Please explain.**

339 A. Parties express a concern with the treatment of hydro which leads to

340 recommendations about implementation of rolled-in and what to do with the  
341 deferred incremental NPC. Specifically, they express concern that Utah customers  
342 should not be exposed to actual hydro risk through the ECAM when all of the  
343 benefits of hydro are not included in base rates.

344 **Q. How does the DPU propose to address this concern?**

345 A. The DPU proposes that the disposition of the incremental NPC deferral not be  
346 included in the ECAM and be decided separately by the Commission in the next  
347 general rate case. They also recommend that the ECAM not start until base NPC  
348 are set by the Commission in the next general rate case.

349 **Q. What does the Office propose?**

350 A. The Office recommends if the Commission orders an ECAM, it should also  
351 calculate revenue requirement based on rolled-in. Mr. Gimble recommends a  
352 reduction in revenue requirement of approximately \$14.9 million should be  
353 implemented the first time any accumulated balance in the ECAM is amortized in  
354 rates.

355 **Q. What does UAE propose?**

356 A. Mr. Higgins identifies three alternatives, but it is unclear which alternative he is  
357 recommending. The first alternative would be to include the deferral along with a  
358 credit to adjust for the 1 percent premium over rolled-in included in Utah rates. It  
359 appears he is suggesting this credit begin in February 2010, potentially resulting  
360 in retroactive ratemaking. The second alternative is to implement the ECAM at  
361 the conclusion of the next general rate case as long as the Commission adopts  
362 rolled-in. Under this alternative, the accruals would cease and it is unclear what



363 would happen with the balance that has already been accrued. The third  
364 alternative is to recognize the deferral in the ECAM as requested by the Company  
365 and apply rolled-in after it is litigated and approved by the Commission in the  
366 next general rate case.

367 **Q. How does the Company respond to these proposals?**

368 A. The Company filed its proposed ECAM at least three months prior to the filing of  
369 the last general rate case in accordance with its acquisition commitments and Utah  
370 law. I understand that this was required so that the ECAM could be implemented  
371 concurrently with the change in rates at the conclusion of the general rate case.  
372 However, this proceeding has extended months beyond the conclusion of the prior  
373 rate case when the ECAM should have been implemented. To keep the Company  
374 whole under these conditions, it is necessary to include the NPC deferrals in the  
375 ECAM.

376 Moreover, to mitigate carrying charges and the size of the ECAM balance,  
377 the approval of the ECAM should not be deferred until after the conclusion of the  
378 next general rate case as proposed by the DPU and UAE.

379 Moving to rolled-in prior to addressing this issue in the Company's next  
380 general rate case does not give parties the ability to create an evidentiary record  
381 upon which the Commission can base a decision, so the proposal by the Office  
382 and the first alternative from UAE would not be procedurally proper. It also  
383 seems that the positions of the parties are inconsistent with their Stipulation in  
384 Docket No. 02-035-04, which states:

385 Unless and until any amendments to the Revised Protocol are  
386 ratified by the PSCU, for the Company's fiscal years beginning

387 April 1, 2009 through March 31, 2014, for all general rate  
388 proceedings, the Company's Utah revenue requirement to be used  
389 for purposes of setting rates for Utah customers will be the lesser  
390 of: (i) the Company's Utah revenue requirement calculated under  
391 the Rolled-In Allocation Method multiplied by 101.00 percent; or  
392 (ii) the Company's Utah revenue requirement resulting from the  
393 Revised Protocol, plus the Rate Mitigation Premium referenced in  
394 Paragraph 3, if applicable. (Stipulation in Docket No. 02-035-04,  
395 page 4, Section 4.b.)

396 The only practical alternative left is the third alternative identified by  
397 UAE, where the deferral is included in the ECAM, and the change in inter-  
398 jurisdictional allocation methods is litigated in a general rate case.

399 **Q. Are any of the benefits of the Company's west-side hydro facilities currently**  
400 **included in Utah rates?**

401 A. Yes. The reserve carrying capability of the west-side hydro facilities are not part  
402 of the hydro endowment; rather they are shared system-wide. In the NPC study,  
403 west-side hydro units carry reserves in both the west and east balancing areas. By  
404 carrying reserves on hydro units, the Company's thermal units can produce more  
405 energy to be used to meet load, avoid market purchases, and make wholesale  
406 sales, thereby reducing NPC.

407 **Q. How do you respond to the concerns that Utah customers should not be**  
408 **exposed to hydro risk when base rates do not include all the hydro benefits?**

409 A. To date, no party has identified any damage of allowing hydro in the ECAM,  
410 other than conceptually. It is possible that exposure to the hydro risk in the  
411 ECAM results in lower costs to Utah customers if actual hydro generation  
412 exceeds the level of normalized hydro generation included in the GRID model. I  
413 would also note that the mismatch is anticipated to be temporary and can be

414 remedied by the Commission at the end of the next general rate case. At this time,  
415 it appears that parties in Utah and other states are supportive of a change to the  
416 Revised Protocol to deliver Utah an outcome that is very close to rolled-in thereby  
417 making this concern moot.

418 **Q. Does the Company have any recommendations that would help offset any**  
419 **potential cost increases that would result from exposure to hydro risk?**

420 A. Yes. The Company's recommendation to include incremental REC revenues in  
421 the ECAM could help mitigate any cost increases that materialize as a result of  
422 including hydro risk in the ECAM. This is consistent with Mr. Higgins'  
423 preference that it would be better for incremental REC revenues to be included in  
424 an ECAM than to not be recognized as a credit to customers at all.

#### 425 **Complexity of Auditing**

426 **Q. Mr. Brubaker proposes minimum performance standards be applied to the**  
427 **Company's lowest cost resources because, unlike gas utilities, a prudence**  
428 **standard is not sufficient for an electric utility because the complexity of**  
429 **auditing an electric utility is overwhelming compared to the more limited**  
430 **analysis required under the PGA. How do you respond to this claim?**

431 A. Mr. Brubaker has not supported his allegation that auditing electric NPC costs is  
432 more complex than auditing natural gas procurement. But, even assuming there  
433 was more complexity, the ECAM proposed by the Company does not add to that  
434 complexity.

435 NPC are currently subject to audit and prudence review in a general rate  
436 case. The same NPC would be subject to exactly the same review under the

437 Company's proposed ECAM. In fact, an argument could be made that the  
438 Company's ECAM will actually enhance the auditing and prudence review as  
439 compared to the status quo because NPC will be the sole focus of the ECAM  
440 prudence review, unlike a rate case where it is one of thousands of items of  
441 revenue requirement. In addition the audit will be of actual rather than forecasted  
442 costs.

443 **Q. Do any other witnesses make a similar claim?**

444 A. Yes. Mr. Higgins cites the number of transactions involved in managing NPC on  
445 page 12 of his testimony which in part leads to his recommendation that a 70/30  
446 sharing band be incorporated in the design of the Utah ECAM. Many of these are  
447 standard products transacted at market price and would be straightforward to  
448 audit. The Company manages the prudence of these transactions through written  
449 policies and procedures that are monitored and enforced under strict governance.

450 **Q. Are there alternatives to performance standards, sharing bands and**  
451 **deadband for addressing the claim that the Company energy costs are more**  
452 **complex than Questar Gas's?**

453 A. Yes. A straightforward way to address this is to allow parties sufficient time to  
454 conduct a prudence review and audit. This could be accomplished by allowing the  
455 ECAM rates to go into effect subject to refund as proposed by the Company and  
456 supported by the DPU (Peterson page 9, lines 185-187). By allowing parties the  
457 time necessary to review and audit the actual NPC data to assess the prudence of  
458 the Company actions in operating the system, the need for performance standards,  
459 sharing bands and deadband would be eliminated. Implementing an ECAM absent

460 sharing bands and deadband would substantially reduce the time and effort parties  
461 currently spend on modeling issues and forecasting NPC and would allow parties  
462 to redirect their efforts towards conducting a prudence review and audit of actual  
463 costs.

464 In addition, the parties ignore the fact that it is not necessary to review  
465 each and every transaction to audit a company's performance. One can look at  
466 totals, averages, general trends and samples to determine if it is necessary to look  
467 deeper.

468 **Other Issues**

469 **Q. On page 8, line 152 of Ms. Kelly's testimony, she indicates that the ECAM**  
470 **would only take effect if the Company meets the acquisition targets based on**  
471 **its Step-Three (least cost, least risk) Portfolio. Does the Company have a**  
472 **Step-Three Portfolio?**

473 A. No.

474 **Q. How does Ms. Kelly define the Step-Three Portfolio?**

475 A. Ms. Kelly defines the Step-Three Portfolio by saying "Use of the three-step  
476 approach identifies a 20-year portfolio that best balances cost, risk, and  
477 uncertainty across multiple possible futures." (Kelly, page 7, lines 138-139, and  
478 footnote 11.) She goes on to say that there would be a three-year Action Plan  
479 based on that portfolio called the Step-Three Portfolio Action Plan and suggests if  
480 the Company takes the actions identified in the Step-Three Portfolio Action Plan  
481 in the two years prior to the year in which it is seeking recovery through an  
482 ECAM, it would be considered compliant.

483 **Q. Who decides what is in the Step-Three Portfolio?**

484 A. Ms. Kelly does not specify who makes that decision other than the three-step  
485 approach. However she does say that the Company would be required to develop  
486 the action plan for this undefined portfolio as part of the Integrated Resource  
487 Planning process (Kelly page 10, lines 190-191) and could file for approval of a  
488 revised action plan under certain conditions. (Kelly page 9, line 178) She gives  
489 no indication how the Commission would approve a revised action plan when it  
490 does not approve an initial action plan under its current practices.

491 **Q. Does an action plan contain targets for resource acquisition?**

492 A. No.

493 **Q. What does the Company recommend regarding this proposal?**

494 A. The Company recommends the Commission reject Ms. Kelly's proposal. It is  
495 undefined, and even if it were defined, appears to be inconsistent with the use of  
496 the Integrated Resource Planning process in Utah. It also would require  
497 acceptance of the plan by all states receiving generation service from the  
498 Company.

499 **Q. On page 7, line 140, Mr. Peterson indicates that the DPU proposes the**  
500 **Company be required to file a general rate case at least every three years in**  
501 **order to keep the baselines and other elements of the Company's revenue**  
502 **requirement in balance. Do you agree with this proposal?**

503 A. No. However, the Company supports the concept of updating the base NPC for  
504 the ECAM on a periodic basis as necessary. This issue may best be deferred until  
505 a future time when the Company is not filing rate cases at the current frequency.

506 Furthermore, as noted above, if a load growth adjustment is adopted, it will  
507 certainly be necessary to update load levels more often than once every three  
508 years.

509 **Q. On page 9, lines 181-182, Mr. Peterson says that the DPU would expect the**  
510 **Company to file for recovery of the accumulated ECAM balance 30 days**  
511 **after the close of the twelve-month ECAM period. Is this practical?**

512 A. No. The data is not available in 30 days. The Company's proposal is to file on  
513 December 15 of each year which is two and a half months after the close of the  
514 twelve-month ECAM period. This amount of time is necessary for the Company  
515 to finalize the actual NPC and prepare its filing. In response to RMP Data Request  
516 2.7, the DPU stated that it would be willing to consider a proposal for a filing time  
517 longer than 30 days if needed by the Company.

518 **Q. Does this conclude your testimony?**

519 A. Yes.