

1 **I. WITNESS INTRODUCTION, PURPOSE OF TESTIMONY, AND**
2 **SUMMARY OF CONCLUSIONS**

3 **Q. Are you the same Karl A. McDermott that provided supplemental direct**
4 **testimony in this docket?**

5 A. Yes.

6 **Q. What is the purpose of your testimony in this proceeding?**

7 A. I respond to portions of the direct testimony of Mr. Charles E. Peterson on behalf
8 of the Division of Public Utilities (“DPU Phase I Exhibit 1.0”), Ms. Michele Beck
9 and Mr. Paul Chernick on behalf of the Utah Office of Consumer Services (“Beck
10 Dir.” and “Chernick Dir.”), Mr. Steve W. Chriss on behalf of Wal-Mart Stores
11 Inc. and Sam’s West Inc. (“Chriss Dir.”), Mr. Kevin C. Higgins on behalf of Utah
12 Association of Energy Users (“Higgins Dir.”), Ms. Nancy L. Kelly on behalf of
13 Western Resource Advocates (“Kelly Dir.”), and Ms. Elizabeth A. Wolf on behalf
14 of Salt Lake Community Action Program (“SLCAP Exhibit 1.0”).

15 **Q. What are your overarching comments concerning the testimony filed by the**
16 **various intervenors in this docket?**

17 A. First, it is worth remembering what this phase of the investigation concerns. I
18 understand that the Commission expects the record to answer the question of
19 whether the “adoption of *an* ECAM is in the public interest.”¹ To address this
20 question, the Commission requested that several issues be examined.² These
21 issues largely relate to the question of whether a cost tracking mechanism can be a

¹ “Notice of Scheduling Conference and Procedural Order,” UPSC, June 18, 2009 in Docket No. 09-035-15, p. 9 (referred to as the “Procedural Order”) (emphasis added).

² Id., pp. 9-10.

22 viable and useful tool in regulating public utilities. While the examination of the
23 issues listed in the Procedural Order is useful to put the evaluation in context, I
24 agree with DPU witness Mr. Peterson’s insightful observation that “some cost
25 recovery mechanism reasonably could be put in place... [T]he issue becomes one
26 of design and not so much one of whether, in the abstract, a power cost
27 adjustment mechanism is in the interest of both Rocky Mountain Power and
28 ratepayers.” (DPU Exhibit 1.0, 7:149-152) Indeed, alleged design flaws in the
29 proposed ECAM seem to permeate the concerns of some other intervenors. For
30 example, Wal-Mart Stores Inc. and Sam’s West, Inc. witness Mr. Chriss states in
31 his conclusion that the ECAM, *as proposed*, is not in the public interest and goes
32 on to express his concern over the lack of an ROE adjustment and the lack of
33 “transparency in rates” that he claims is a “major benefit of transitioning to a fuel
34 clause.” (Chriss Dir., 3:7-16) In my view these issues are a matter for design, not
35 policy. The matter of an ROE adjustment should be taken up at the time of the
36 next general rate case. Further, Mr. Chriss’s concern over price transparency is a
37 legitimate regulatory objective and such design issues can be addressed. Indeed,
38 DPU witness Mr. Peterson identifies pricing as a potential concern, although for
39 the design phase of this investigation. (DPU Exhibit 1.0, 24:564-571)

40 Second, there is a fundamental disconnect between theory and reality in
41 evaluating the three-prong test for public interest of the ECAM. The three-prong
42 test for adjustment mechanisms asks whether the costs under review are large,
43 volatile, and largely out of the control of the utility. Although all of the
44 intervenors acknowledge the appropriateness of this three-pronged test, some

45 suggest ratemaking approaches that are simply unavailable or request proof
46 beyond a reasonable doubt. For example, Mr. Higgins claims that volatility can be
47 adequately addressed through other means. (Higgins, Dir., 12:237- 15:310)
48 However, this clearly is not the case, (see Rebuttal from Company witness
49 Graves). If it were that simple, PacifiCorp would have no need for the ECAM.
50 Would it not be easier for a utility to buy a contract for natural gas or electricity, if
51 it could, and include that cost in the base rate calculation rather than going
52 through an ECAM proceeding? It is not credible to argue that the utility has all
53 the tools it needs today to address these issues. (Id.) Further, it seems that the
54 question of volatility is relative. There is no magic metric one can review to see if
55 a particular expense is volatile, but as shown earlier, PacifiCorp's Net Power
56 Costs (NPC) are more volatile than other costs typically included in rates.
57 (McDermott Sup. Dir.)³ Therefore, Mr. Higgins's absolute measures of volatility
58 miss the point entirely. (Higgins, Dir. 14:282-305) Moreover, as explained later in
59 this testimony, Mr. Chernick uses a simple arithmetic trick of rearranging data to
60 show that volatility in a set of numbers can be manipulated. (Chernick Dir.,
61 21:491-497) This, while true, misses the point, because the data I used was the
62 actual data over time, not a manipulation of arbitrary data. Furthermore, the
63 standard deviation and coefficient of variation, derived from the variance of a set
64 of data, provide standard methods of evaluating volatility.⁴ It is interesting to note
65 that Mr. Chernick does not refute the proposition that NPC are volatile or are

³ Also see McDermott Supplemental Direct Testimony for a discussion of why the relative volatility of NPC is important in traditional ratemaking.

⁴ See e.g., R. A. Brealey and S.C. Myers, *Principles of Corporate Finance*, McGraw-Hill, 2003, pp. 163-165 or J.C. Hull, *Introduction to Futures and Options*, Prentice Hall, 1998, especially Chapter 7.

66 more volatile than other O&M costs; he simply claims that PacifiCorp has not met
67 *his* high standard of proof.⁵

68 Third, there is much concern expressed about possible poor incentives as a result
69 of approving an ECAM. (*See e.g.*, Chernick Dir., Higgins Dir., SLCAP Exhibit
70 1.0, and Kelly Dir.) I maintain that, beyond the general question of whether an
71 ECAM in any form harms incentives to operate efficiently, this concern is a
72 matter for the design phase as well. I find it extremely difficult to believe that the
73 vast majority of regulators in the United States have been fooled into purposely
74 implementing a regulatory policy that would create less efficient utilities, on net,
75 and would maintain those policies, in many cases, for decades.⁶ The evidence
76 provided in this docket shows that design questions are important and different
77 regulators choose different designs based on their individual preferences and local
78 issues. The premise that regulators choose to utilize ECAMs to create unjust and
79 unreasonable rates is untenable.

80 Fourth, there seems to be confusion between risk and cost recovery. Many
81 intervenors claim a shifting of risk as a result of an ECAM. This claim apparently
82 results from a conclusion that prudently incurred costs that currently are borne by
83 shareholders, because of the persistent under-forecasting of NPC, (and thus are
84 not being recovered in rates under the current methods allowed by the

⁵ Mr. Chernick clearly has a different view of the standard for proof than either Mr. Peterson in this case or the staff of the Idaho Commission when reviewing this issue for PacifiCorp's Idaho property (as cited in McDermott Sup. Dir., 28:562-567).

⁶ We can argue as to whether this or that jurisdiction has the "right" ECAM, but that proves the point. We can also split hairs by pointing out that a few jurisdictions do not have significant (or any) investor-owned utilities, but again this proves the point. By relying on the outliers in the sample, we are missing the key point—nearly all regulators in the United States have implemented some form of a power cost and/or fuel cost tracking mechanism.

85 Commission), would be paid by ratepayers under an ECAM-type approach. Yet,
86 this is the nature of traditional regulation. Ratepayers pay for prudently incurred
87 costs and utilities have the obligation to provide service. Are ratepayers “at risk”
88 when a new transformer is added to ratebase? Are ratepayers “at risk” when the
89 cost of steel, copper, labor or any other O&M cost increases? Yes, in this sense
90 they are, but this is the nature of the regulatory bargain. We may want the owners
91 of utilities to pay for these costs, but it is not a legitimate argument to want to
92 maintain a system that is biased against recovery of certain prudently incurred
93 costs because one party benefits from this adjustment at the expense of another.
94 Finally, on a related theme, many intervenors claim that the regulatory process
95 will become too rushed and complicated, such that it cannot be assured that the
96 utility is adequately regulated. Implicit in this argument are two untenable
97 assumptions. The first assumption maintains that Utah cannot handle such a
98 review. Such a claim flies in the face of the fact that nearly every major (vertically
99 integrated) electric utility in the United States has some form of an ECAM and
100 each state commission must undertake the type of review contemplated by an
101 ECAM. There is no credible evidence that Utah is somehow less able to undertake
102 these reviews relative to other states or that other state’s reviews are inadequate.
103 Further, there is a supposition that the current forecast approach to NPC debated
104 in a regulatory hearing produces a more manageable and fair outcome. Perhaps
105 some parties may think it easier to argue over growth rates, commodity price
106 forecasts, and other such unknowable inputs into the rate making process. Mr.
107 Chernick even claims that the solution to the problem might be to “improve...

108 [PacifiCorp's.]...forecast” by incorporating inherently complex and uncertain
109 factors into the forecast rather than use the more obvious method of reviewing
110 actual costs through an ECAM. (Chernick Dir., 20:481-21:488) From a former
111 regulator’s perspective, this “game playing” over forecasts reduces the legitimacy
112 of the process and ultimately hurts utilities and customers.

113 **II. THE PUBLIC INTEREST STANDARD**

114 **Q. What is the public interest standard?**

115 A. The public interest standard rests primarily on the proper interpretation and
116 application of the regulatory bargain.⁷ This bargain is two-sided: ratepayers pay
117 the prudent costs of providing service and utilities are provided a reasonable
118 opportunity to recover those prudent costs. This is the fundamental building block
119 of the just and reasonable rate that should be the goal of regulation.

120 We need to keep in mind the question that needs to be answered in deciding
121 whether an ECAM is appropriate: does it make sense to have a separate
122 ratemaking mechanism for NPC instead of addressing these costs in base rate
123 cases? The conventional answer to this question, accepted by all parties in this
124 proceeding, is that an ECAM is justified if fuel and purchased power costs are
125 large, volatile, and largely beyond the control of the utility.

126 By treating large, volatile, and unpredictable costs outside of base rate cases, the
127 timing between base rate cases can potentially increase—or, at a minimum, the
128 issues in those cases can be narrowed. Additional time between rate cases gives a
129 utility the incentive to control the costs under its control. However, cost pressures

⁷ My discussion here is at a high level. I understand that Utah law has specific goals and objectives for rates and ratemaking that, in my view, fall from the application of this regulatory bargain. *See e.g.*, Utah Code Ann. § 54-3-1.

130 related to NPC—where the utility is a “price taker,” that procures fuel from a
131 market or sells power into the wholesale market with no ability to control the
132 price—can be recovered in an ECAM without harming the utility’s incentives.

133 **Q. How has the public interest standard been applied in cases of an application**
134 **of a cost tracker such as the proposed ECAM?**

135 A. The traditional approach to cost trackers is to
136 review whether the costs are large, volatile, and largely out of the control of the
137 utility. Intervenors did not question that NPC are large. The issue of whether
138 Rocky Mountain Power’s net power costs are volatile and beyond the control of
139 the utility received considerable attention by the intervenors and will be discussed
140 below.

141 **A. VOLATILITY**

142 **Q. Please discuss the volatility of net power costs.**

143 A. I refute the argument made by witnesses that the Rocky Mountain Power’s NPC
144 may not be “volatile enough” to justify an ECAM, especially considering that
145 Rocky Mountain Power’s engages in hedging of fuel volatility. (Beck Dir.,
146 Chernick Dir., Higgins Dir., Kelly Dir., and DPU Phase I Exhibit 1.0)

147 I emphasize that: (1) the intervenors ignore the fact that Rocky Mountain Power’s
148 NPC are much more volatile than its non-power costs; (2) coal, gas, and
149 wholesale spot electricity costs are volatile; (3) the accuracy or inaccuracy of
150 previous forecasts does not change the volatility underlying the commodities in
151 question; and (4) PacifiCorp’s hedging policy limits the possible range of prices

152 paid for the commodity, although hedging is not able to fully reduce all volatility
153 in commodity prices.

154 Ultimately, there is substantial evidence that natural gas, wholesale power, coal,
155 and other parts of NPC are volatile. In my view, Rocky Mountain Power has
156 amply met its burden of proof on this issue.

157 **Q. Please describe the volatility of NPC in relation to base rate costs.**

158 A. Net power costs are significantly more volatile than other components of revenue
159 requirement such as labor, maintenance, depreciation etc., yet the intervenors
160 ignore the fact that Rocky Mountain Power's NPC are more volatile than its non-
161 power costs. For the 2002-2008 period,⁸ NPC for Rocky Mountain Power were
162 roughly four times as volatile as non-power costs. Mr. Chernick presents a
163 hypothetical about smooth and volatile cost patterns but fails to rebut the
164 argument that Rocky Mountain Power's NPC are more volatile than its non-fuel
165 costs. (Chernick Dir., 21:498-499) Mr. Chernick does raise some technical
166 questions with respect to the coefficient of variation. It is important to remember
167 that the coefficient of variation is a *relative* measure of dispersion—it is
168 meaningful in terms of a “the amount of variability present in comparison to a
169 reference point or benchmark.”⁹ Thus, while a comparison of NPC *relative to*
170 non-NPC is meaningful and useful, Mr. Chernick's hypothetical, which merely
171 manipulates the order of one set of costs, is not. In his hypothesis, which merely

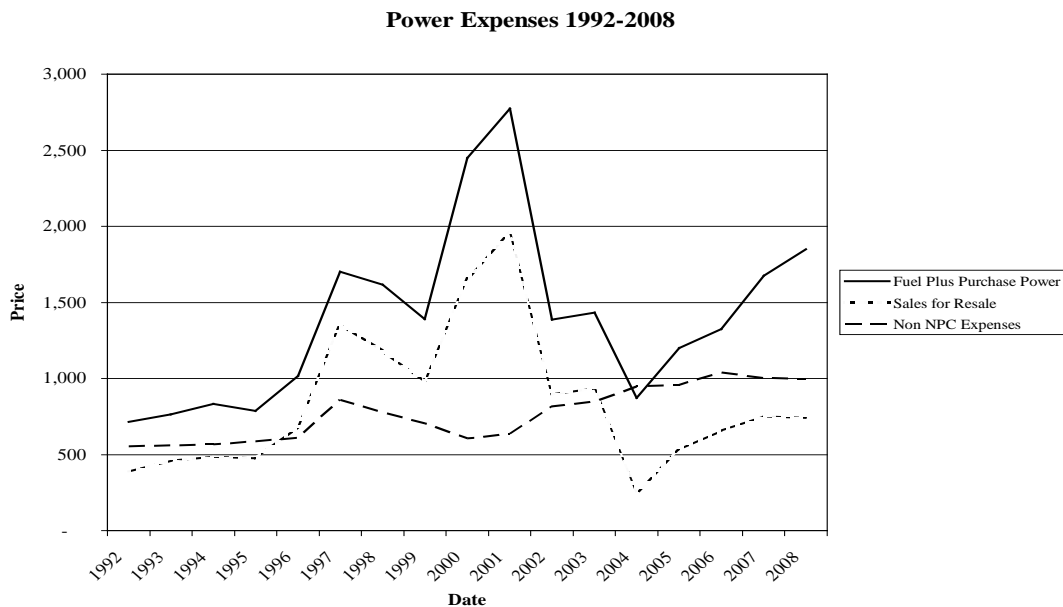
⁸ I choose to look at 2002-2008 because of the power price shocks that occurred in 2000-01.

⁹ DeFusco et. al, *Quantitative Methods for Investment Analysis* (Charlottesville, VA: AIMR, 2001), p. 135.

172 rearranges the order of a set of observations, Mr. Chernick does not compare NPC
173 to a reference point or benchmark.

174 **Figure 1** below graphically illustrates the *volatility* of fuel and purchase power
175 relative to non-power costs for the full 1992-2008 period.

Figure 1: Power Expenses Relative to Non-power Costs



176 Mr. Chernick goes on to argue that “some of the volatility may simply reflect
177 inflation from 1992 to 2008.” (Chernick Dir. 22:500-501) Inflation is part of the
178 problem that affects both NPC and non-NPC and it is not necessarily the case that
179 it should be ignored. Mr. Chernick also argues that costs per kWh should be
180 used—but again, this would affect both NPC and non-fuel costs. Finally, Mr.
181 Chernick claims that we must look at the revenue side of the equation by
182 somehow factoring in the evaluation of expenses, revenue changes as a result of
183 rate cases. This mixing of the revenue and expenses, as Mr. Chernick suggests,
184 would blur the question of expense volatility and not answer the fundamental

185 question as to whether NPC are volatile.

186

187 **Q. Please discuss the volatility of spot market prices.**

188 A. Coal, gas, and wholesale electricity costs are volatile, as shown in

189 A. **Figure 2.** Mr. Chernick characterizes Uinta and Rockies as the “least-expensive
190 and least-volatile regions” (Chernick Dir. 24:560-562).

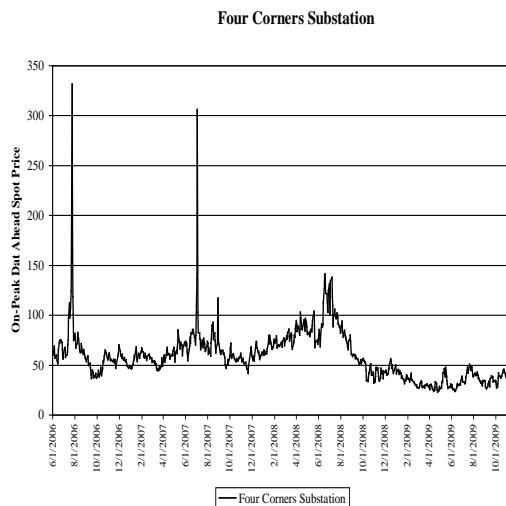
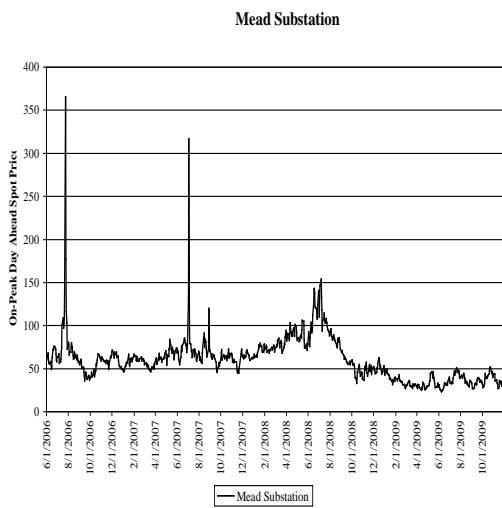
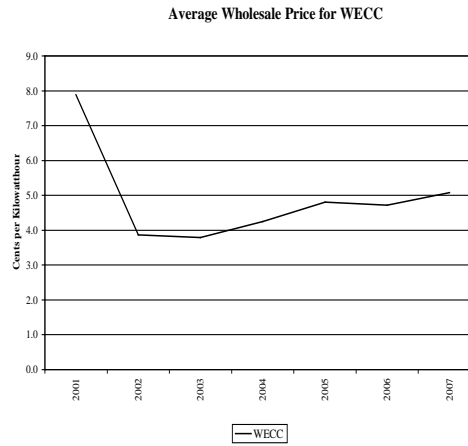
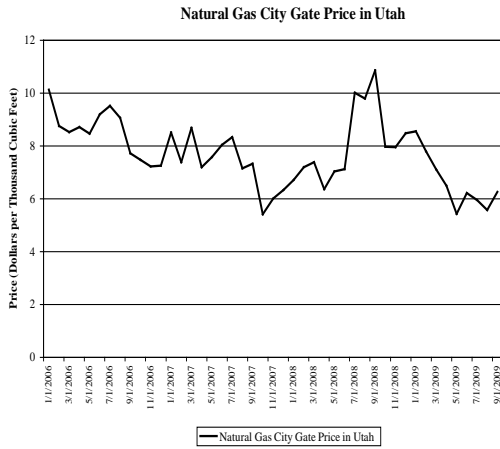
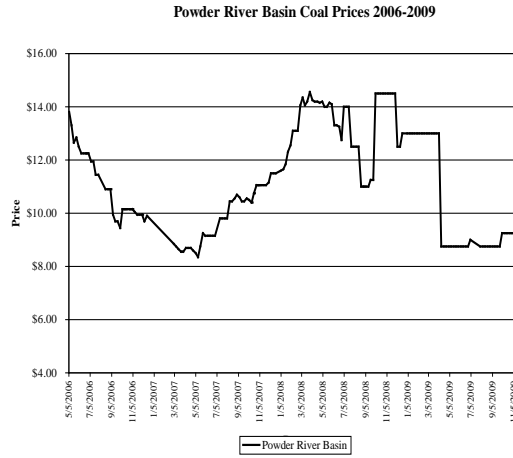
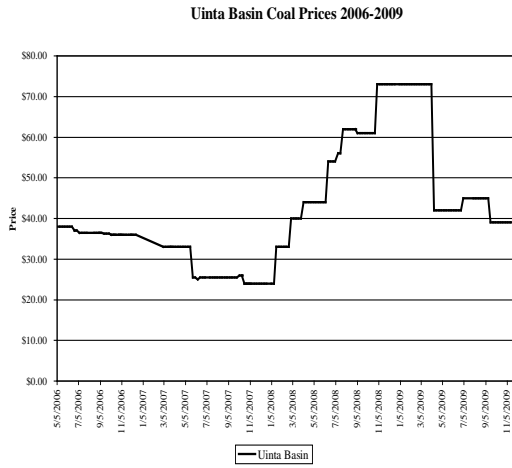
191 A. **Figure 2** shows, very graphically, that there has been substantial volatility in coal
192 prices at both Uinta and the Powder River Basin during the past three years.¹⁰

193 The same can also be said for gas and wholesale power costs. And, spot prices *are*
194 relevant—not all spot market risk can be hedged away. Fuel is a large, volatile
195 expense for PacifiCorp. Moreover, the majority of NPC come from coal, which
196 may face increasing volatility in the future.¹¹

¹⁰ This is corroborated by the fact that utilities in the Rockies, such as Xcel’s Colorado operations, have ECAM mechanisms in place. The fuel clause in Colorado is referred to as the Electric Commodity Adjustment.
http://xcelenergy.com/Colorado/Company/About_Energy_and_Rates/Energy%20Prices%20%28Rates%20and%20Tariffs%29/Pages/Colorado_Electric_Commodity_Adjustment.aspx. Accessed December 5, 2009.

¹¹ In June 2008, WRA produced a white paper demonstrating that coal prices in the spot market have been more volatile than natural gas prices, primarily because of increased foreign demand for domestic coal supplies. (Kelly Dir., 1:13-15)

Figure 2: Coal, Natural Gas, and Wholesale Electricity Prices



197 **Q. Please describe the effect forecasting will have on an ECAM.**

198 A. Mr. Chernick argues that “RMP has not demonstrated that the commodity price
199 forecasts used in developing the NPCs for various years were incorrect.” Mr.
200 Gregory N. Duvall’s Exhibit RMP___(GND-1R) shows that the commodity price
201 forecasts used to set NPC turned out to be incorrect by \$10 to negative \$25 per
202 MWh when compared to actual commodity prices over the last eight years. In
203 fact, there was no instance where the forecast was correct during that period.
204 While it is unclear exactly why this turned out to be the case, one might conclude
205 that the ordinary ratemaking process absent an ECAM—with the commodity
206 prices frozen for setting rates, while actual commodity prices fluctuate daily—
207 might best be supplanted by an approach that provides an assurance that
208 ratepayers pay rates that reflect the actual cost of supplying electricity.

209 Professor Alfred E. Kahn wrote in 1975 on the topic of forecasting absent the fuel
210 adjustment clause:

211 Without a fuel adjustment clause, the Commission would be forced literally to
212 guess what the average cost of fuel will be for at least a year into the future in
213 setting rates. This would require a prognostication not only of what fuel suppliers
214 will charge [...] but also what proportion of the time the company will use each of
215 its various generating units to supply electricity.

216 Without a fuel adjustment clause, we would have to make those predictions in
217 arriving at a best guess of the future average cost of fuel. And if we were
218 markedly—or even only moderately off—in either direction, the consumer would
219 suffer. He would obviously suffer if we estimate too high. What is doubtless less
220 obvious, he would suffer also if our allowance for fuel expenses was substantially
221 too low: in that event the financial condition of the utility could erode very
222 quickly, and with very little lead time jeopardize its ability to raise the capital
223 necessary to provide consumers with good service, on reasonable terms.¹²

¹² Statement of Alfred E. Kahn, Chairman, New York State Public Service Commission, On Fuel and Gas Adjustment Clause, October 22, 1975, pp. 3-4.

224 **Q. Mr. Chernick asserts that the volatility of fuel prices is irrelevant while the**
225 **differential between the forecasted gas prices and the actual spot price**
226 **should be the focus of the ECAM. (Chernick Dir. 9:210-216) What is your**
227 **response?**

228 A. The distinction between the actual spot price at a given time in the future and the
229 forecasted price for that period developed by PacifiCorp warrants discussion. The
230 accuracy of historical predictions does not change the volatility underlying the
231 commodities in question. With regard to the issue of volatility, it is irrelevant
232 whether historical gas forecasts have been accurate. Furthermore, even if past
233 forecasts had been accurate, which they clearly have not, that does not necessarily
234 mean that they continue to be capable of accurate prediction. As investment
235 managers constantly remind us, past performance does not predict future
236 performance. An ECAM would allow the actual price of the commodity to be
237 reflected in rates, allowing the customer to adapt their usage accordingly. This is
238 not to say the ECAM would usher in real-time pricing; however, an ECAM gives
239 consumers a greater price signal than if the costs were simply rolled into standard
240 rate cases. An ECAM would allow Rocky Mountain Power to cover its reasonable
241 and prudently incurred costs.

242 **Q. Please describe how Rocky Mountain Power’s hedging policy effects the**
243 **proposed ECAM.**

244 A. In essence, the intervenors argue that because Rocky Mountain Power hedges its
245 fuel costs, its NPC are not volatile enough to justify an ECAM. However,
246 mitigating volatility has an ex ante cost relative to not hedging, i.e., an “insurance

247 premium” is paid. While hedging reduces the volatility of fuel costs, it must be
248 considered in the context of a tradeoff between reduced volatility and higher ex-
249 ante fuel costs (given the uncertain nature of the reduced volatility to customers).

250 A report from the National Regulatory Research Institute notes that:

251 [U]tility hedging adds another complicating dimension. How much a utility ought
252 to hedge depends on the value placed by customers on more stable prices—a
253 value difficult to determine. Hedging requires a trade-off between the objectives
254 of moderating price volatility and passing through to customers the lowest cost for
255 purchased gas. Utilities and commissions face the challenge of deciding precisely
256 how much a utility should hedge, how it should hedge, and how much it should
257 spend on hedging. Customer tolerance of price volatility will vary among
258 customers and between classes. Because of these complications, early
259 commission involvement will help determine the utility’s hedging parameters.
260 Otherwise the utility has to guess about customer preferences and then risk
261 disallowance later if it guessed wrong—such as if the rates underlying the
262 selected hedge strategy exceed the prevailing price for spot gas. A commission
263 can provide a utility with at least a broad indication of the level of tolerable price
264 volatility or, conversely, the insurance premium charged to customers it will find
265 acceptable.¹³

266 **B. BEYOND THE CONTROL OF THE UTILITY**

267 **Q. Is the price of fuel and power beyond the control of the utility?**

268 A. Yes. The intervenors have misstated the “beyond the control of a utility” criteria.
269 The utility has to procure resources (such as fuel) and make sales for resale
270 prudently, but the prices are set in markets over which the utility has no control.
271 Prices in wholesale fuel markets are entirely outside the control of the utility and
272 the quantities used are based on the prudent operation of the system (over which
273 the Commission will continue to have oversight, as it always has). Rocky
274 Mountain Power’s obligation to justify the reasonableness of its costs to its
275 regulator gives it an incentive to continue to procure resources prudently,

¹³ National Regulatory Research Institute (Ken Costello), “*Gas Supply Planning and Procurement: A Comprehensive Regulatory Approach*,” June 2008, p. 2.

276 recognizing that it is but one of many entities that procure fuel from markets and
277 therefore cannot control the *price* of fuel.
278 Just as “exogenous costs” in price-cap mechanisms pass through costs that are
279 beyond the control of the utility without damaging incentives, so too can the *price*
280 of fuel and power be said to be beyond the control of the utility. Rocky Mountain
281 Power will still have direct economic, as well as regulatory, incentives to acquire
282 coal efficiently. Further, an ECAM would allow quicker pass-through of any
283 *decreases* in fuel costs, in the form of savings to end-use customers, something
284 neither irrelevant nor inconsequential given recent trends in natural gas prices.
285 These aspects and the other incentives I have noted earlier relating to the
286 proposed ECAM should not be overlooked.

287 **III. ECAM AND INCENTIVES**

288 **Q. What issue do you address in this section?**

289 A. Several intervenors have claimed that an ECAM distorts incentives or provides
290 poor incentives for efficiency. (Chernick Dir., 35:841-953; Higgins Dir., 7:132-
291 135; SLCAP Exhibit 1.0, 6:1-4; Kelly Dir.)

292 **A. INCENTIVE ISSUES**

293 **Q. What are the issues raised by the intervenors?**

294 A. There seem to be three distinct concerns about incentives. First, there is a concern
295 over the operational incentives. Second, there is a concern that short-term
296 operational incentives will affect long-term resource procurement. Finally, there
297 is a concern that an ECAM will produce a bias against renewable and energy
298 efficiency. I will address the first issue in this section of my testimony. The

299 second issue is addressed later in this testimony. The third issue is addressed by
300 Mr. Duvall. (Duvall Reb.)

301 **Q. How do you respond to the issue of operational efficiency?**

302 A. First, let me reiterate my position from my supplemental direct testimony. There
303 is no direct evidence that an ECAM, as proposed in this case, which includes a
304 prudence review, will *necessarily* distort the utility's incentives relative to the
305 current rate of return approach. As proof, I cited the fact that few, if any,
306 regulators have removed such programs as a result of this alleged inefficiency
307 bias. Mr. Chernick, however, takes issue with my conclusion and cites a litany of
308 academic studies that purport to show the incentive problem. We need to be clear
309 about exactly what Mr. Chernick's studies indicate. He first cites Alfred E. Kahn
310 for the proposition that regulatory lag is a meaningful incentive. I have no
311 disagreement that regulatory lag provides meaningful incentives to control costs,
312 in the areas that Kahn notes. Those areas are all ones where the utility has
313 significant control over the outcomes; this is largely not the case with fuel costs.
314 More importantly, when Professor Kahn, then Chairman Kahn, was faced with the
315 same questions raised by this proceeding at the New York Public Service
316 Commission, he defended the use of ECAMs as a necessary and important
317 regulatory mechanism. While Chairman Kahn notes the lack of incentives in a
318 truly automatic pass-through mechanism, he identifies the regulatory lag, even 30
319 to 60 days, as being an important factor counteracting the alleged disincentives.¹⁴
320 Kahn also notes that the alternatives to ECAMs are limited. I concur with this

¹⁴ Kahn, *supra* note 12.

321 conclusion, and despite our wish for a better solution, after many years of
322 searching, such a solution has not yet been found.

323 Further, Mr. Chernick's interpretation of the economic literature does not
324 comport with how economists view the literature. Economists view the literature
325 as far less certain than Mr. Chernick does, due to the offsetting efficiency effects
326 of rate or return regulation that is said to bias firms toward too much capital, and a
327 fuel adjustment charge which is said to bias firms toward too much fuel intensive
328 production. Indeed, Atkinson and Halvorson (1982) make this point which
329 appears lost in Mr. Chernick's translation (despite the conclusions from the
330 study). Furthermore, Mr. Chernick neglects to mention that the input bias effect is
331 often related to ECAMs that do not have a formal hearing process associated with
332 the mechanism. As I understand the ECAM process in Utah, it would have a
333 formal prudence review. Indeed, even Mr. Chernick's own testimony cites this as
334 a factor:

335 In short, firms face reduced financial punishment if inefficient production
336 methods are adopted....regulatory lag and formal hearings play an important
337 efficiency inducing role. (Gollop and Karlson cited by Chernick Dir., 36:865-867)

338 Other economists are reluctant to throw ECAMs out as a viable tool to regulate
339 utilities due to potential benefits. For example, Mr. Chernick cites the work of
340 Kasermen and Tepel (1982). These authors end their study by concluding:

341 [T]he automatic fuel adjustment clause carries with it certain benefits. These
342 consist primarily of resource savings from conserving on rate hearings and
343 preservation of the utility industry's ability to attract capital investment. It is our
344 recognition of such unmeasured benefits that prevents us from drawing more
345 sweeping public policy implications from our study results. (Id. p. 700)

346 Other studies cited by Mr. Chernick relate not to the fuel adjustment clause per se,
347 but to the greater levels of efficiency related to alternatives to traditional
348 regulation, including fuel pass through charges, (e.g., Knittle and Fabrizio et. al.).
349 In sum, Mr. Chernick's citation of studies from the academic literature does not
350 show that any particular ECAM will necessarily distort input choices in a manner
351 that reduces overall efficiency. Further, if we are concerned about efficiency
352 because of its relationship to prices, then the costs of hedging with and without an
353 ECAM must be taken into account. It is not at all clear that any of the studies Mr.
354 Chernick cites attempts to take this into account. My initial conclusion remains,
355 despite the theoretical ambiguity of the efficiency effect, that if the Commission,
356 finds evidence that this particular ECAM in the future, or more accurately the
357 ECAM approved by the Commission, causes input bias, then it may adjust the
358 design of the ECAM to address this issue. Therefore, the incentive issue is, in its
359 essence, an empirical issue and therefore a design issue.

360 **B. COMPREHENSIVE TREATMENT OF NET POWER COSTS**

361 **Q. Please discuss the comprehensive treatment of net power costs.**

362 A. At the outset, I note that this issue overlaps substantially with the issues to be
363 considered in the design phase of this proceeding. Nonetheless, because the
364 intervenors have given considerable attention to this issue in the context of their
365 arguments that an ECAM is not in the public interest because it would affect
366 utility incentives, I refute various arguments for asymmetric (i.e., non-
367 comprehensive) treatment of individual categories of net power costs, discuss the
368 problems with such asymmetric treatment from a resource-planning perspective,

369 and briefly touch on some issues with respect to gas-related hedging. I respond in
370 turn to the issues raised by WRA witness Ms. Kelly,¹⁵ UAE witness Mr.
371 Higgins,¹⁶ OCS witness Ms. Beck,¹⁷ and DPU witness Mr. Peterson.¹⁸ Please note
372 that the “comprehensive treatment” issues, to the extent they are incentive issues,
373 are related to issues already addressed in this testimony—notably whether net
374 power costs are large, volatile, and beyond the control of the utility—and
375 therefore I do not address these issues in great detail here.

376 ECAMs are designed to be comprehensive, i.e., all relevant costs related to fuel
377 and purchased energy are recovered on a level playing field. Typically, costs
378 related to fuel, purchased energy, fuel transportation, hedging, and emissions
379 allowances are the primary categories. The reason for this is simple: if some costs
380 were treated one way, and other costs another, perverse incentives could be
381 created. Comprehensive and symmetrical treatment provides an assurance that
382 fuel and purchased energy are treated equally, meaning that a utility would not
383 have an incentive to favor one over the other.

¹⁵ WRA witness Ms. Kelly raises a concern about the “incentives and disincentives that an ECAM creates for long-run resource acquisition.” (Kelly Dir. 2: 20 and 3:4)

¹⁶ UAE witness Mr. Higgins argues that “an ECAM could pass through cost that are not associated with price volatility.... Such costs are most appropriately recovered pursuant to a general rate case rather than a single issue proceeding. He also states that a concern about Rocky Mountain Power changing its hedging policy in a manner that would “increase the pricing risk to customers.” (Higgins Dir. 17:356-362)

¹⁷ OCS witness Ms. Beck identifies the ratemaking treatment of gas hedging-related costs and electricity market energy costs as “threshold” issues” and states that “[o]ne could conceive of a multi-tiered design in which different price caps or overall percentages of market costs were allowed” but then goes on to state that it is not “realistic to assume that ECAM design could remedy the problems associated with over-reliance on the market.” (Beck Dir. 11:223-334)

¹⁸ DPU witness Mr. Peterson states that “some of the qualifications or conditions the Division would expect” of an ECAM would include, among other items, that the ECAM mechanism “only cover those costs that are truly outside of Company control and cannot be anticipated and/or significantly mitigated.” Mr. Peterson goes on to discuss a “breakdown of items that could be included.” (DPU Phase I Exhibit 1.0, 18: 389-390, 19: 424-510)

384 **Q. Please respond to the relevant issues raised by WRA witness Ms. Kelly.**

385 A. Ms. Kelly is concerned that an ECAM would distort Rocky Mountain Power's
386 incentives and disincentives with respect to long-run resource acquisition. Simply
387 put, comprehensive treatment of NPC provides proper incentives to the utility. I
388 will begin by providing a simple explanation of why comprehensive treatment of
389 NPC is necessary.

390 Any electric utility has two primary categories of costs. The first category is
391 related to the utility's long-lived assets and the myriad of costs related to
392 operating its business, which can usefully be addressed through the base rate case
393 ratemaking process or through single-item rate cases for major plant additions.
394 The second category has to do with net power costs, which are normally
395 recovered through an ECAM, so long as these costs, as a whole, are found to be
396 large, volatile, and beyond the control of the utility. I see no reason why this
397 approach would be harmful from a resource-planning perspective relative to the
398 status quo approach of dealing with NPC in base rate case proceedings—this is
399 because the utility's incentives to procure least-cost resources would be
400 unchanged. Rocky Mountain Power would, in either case, strive to avoid
401 prudence-related disallowances, which would lead it to have the proper incentives
402 to procure resources on a least-cost basis.

403 Although this question should more appropriately be addressed in Phase II, it is
404 the case that NPC are recovered comprehensively because of the distortions that
405 could be presented if they were not treated that way. A few examples would
406 include:

407 ▪ Fuel and purchased energy are treated identically
408 because to do otherwise might give a utility a reason to favor one over the
409 other, rather than focusing on using the least-cost resources available at any
410 given time.

411 ▪ Fuel and fuel transportation costs are treated on a
412 level playing field because to do otherwise might favor more-costly but near-
413 at-hand resources over more distant resources that nevertheless have a lower
414 delivered cost.

415 ▪ The fuel costs that are recovered would be the
416 actual costs including any hedging-related costs and benefits that have been
417 incurred. Thus, if hedging of natural gas costs is done, the relevant costs
418 would be the actual ex post costs that reflect the outcomes of the hedging
419 transactions. Given that the utility would only hedge if it saw that customers
420 value a reduction in the volatility of the cost of electricity service, it would not
421 make sense, for example, to pass through the gas costs that would have been
422 the case if hedging had not been pursued (keeping in mind that on an ex ante
423 basis, hedging would be expected, on balance, to increase the cost of
424 electricity for the customer).

425 Rather than harming incentives, the combination of an ECAM and the standard
426 base rate case process provides a rational, incentive-based means of recovering
427 net power costs. Non-comprehensive treatment of categories of NPC would, on
428 the other hand, raise a myriad of concerns.

429 **Q. Please respond to the issues raised by Mr. Higgins. (Higgins Dir. 17: 356-362)**

430 A. Mr. Higgins raises three issues:

431 ▪ *An ECAM would pass through NPC that are not*
432 *necessarily associated with price volatility.* As discussed above, all NPC
433 should be recovered on a level playing field. This is proper and necessary.

434 ▪ *BPA transmission charges would be recovered in*
435 *the same way as other types of net power costs.* The relevant wholesale power
436 costs would include the costs of delivering that power to Rocky Mountain
437 Power’s grid. Again, this is proper and necessary, as discussed previously.

438 ▪ *Rocky Mountain Power could change its hedging*
439 *policy in a manner that would increase the pricing risk to customers.* The
440 Commission would continue to scrutinize the Company’s hedging policy as it
441 scrutinizes other categories of net power costs.

442

443 **Q. Please respond to the issues raised by OCS witness Ms. Beck.**

444 A. Ms. Beck identifies the ratemaking treatment of gas hedging-related costs and
445 electricity market energy costs as “threshold” issues. As discussed above, gas
446 costs and market electricity costs should be treated on a level playing field with
447 other categories of net power costs.

448 **C. THE RISK SHARING “STRAW MAN”**

449 **Q. How do you respond to the issue that an ECAM shifts the risk of NPC to**
450 **consumers?**

451 A. I refute the “straw man” argument, made by OCS witness Ms. Beck,¹⁹ UAE
452 witness Mr. Higgins,²⁰ and DPU witness Mr. Peterson,²¹ that the ECAM would
453 somehow shift risk from utility shareholders to customers.

454 In my view, arguing about risk shifting is a fruitless endeavor; essentially all
455 electric utilities in traditionally-regulated states are allowed to utilize this
456 reasonable ratemaking process. The risk sharing straw man is just that, a decoy or
457 red herring, that adds nothing to the debate about whether an ECAM is in the
458 public interest.

459 **Q. Why do you call the risk shifting argument a “straw man”?**

¹⁹ OCS witness Ms. Beck raises “concerns relating to the shifting of risk from utility management to customers” and erroneously argues that the ECAM would shift risk of fluctuating NPC onto “customers who have no input on management’s business decisions.” (Beck Dir. 6: 117-118 and 137)

²⁰ UAE witness Mr. Higgins argues that “ECAMs shift risks from utilities to customers.” He further states that these risks include price risk, resource portfolio risk, weather-related risk, forced outage risk. (Higgins Dir. 7: 135-139)

²¹ DPU witness Mr. Peterson states that “the proposed ECAM shifts too much risk from Rocky Mountain Power to ratepayers,” and suggests that Rocky Mountain Power wants ratepayers to “step up” and assume risks that Rocky Mountain Power is in the “best position to manage and mitigate,” and states that “mechanisms that share risk could, potentially, be in the public interest.” (DPU Phase I Exhibit 1.0, 5: 107-108, 24: 25: 551-554, and 25: 570-571)

460 A. The argument is a red herring for the real issue, which is that customers should
461 pay rates that reflect the cost of providing the service they receive. Webster’s
462 defines “straw man” as an “argument or opponent set up so as to be easily refuted
463 or defeated.”²² The risk shifting argument, which is a familiar regulatory topic,²³
464 is a distraction or decoy that cannot withstand careful scrutiny and should be
465 rejected by the Commission.

466 **Q. How do you refute the risk shifting argument?**

467 A. First, utility ratepayers can reasonably be expected to pay just-and-reasonable
468 rates that provide a utility with a reasonable opportunity to recover its prudently-
469 incurred costs. In conjunction with the base rate case process, an ECAM that is
470 designed and implemented in an appropriate manner is fully consistent with this
471 principle. Mr. Duvall shows in his rebuttal testimony that over the last eight years,
472 the practice of collecting net power costs through the base rate case process in
473 Utah has failed because Utah customers have underpaid prudently-incurred NPC
474 by over \$300 million. (Duvall, Reb.) Calling this risk shifting is, at best,
475 misleading and distracting.

476 Second, it is not at all clear what the proponents of “risk shifting” mean when
477 they use the term “risk.” Risk, when used loosely, is a nebulous, imprecise term.
478 It is fair to say that the term “risk” has not been defined carefully in the testimony
479 that I am responding to and thus the meaning is in the eye of the beholder. The

²² Webster’s II: New College Dictionary, p. 1090.

²³ See: Jeff D. Makholm, “The Risk Sharing Strawman,” *Public Utilities Fortnightly*, July 7, 1988, pp. 24-29.

480 business and financial risk borne by investors can be defined rigorously, but the
481 risk borne by ratepayers is an entirely different concept.

482 Third, risk shifting can amount to cost shifting. As an economist, I prefer to
483 analyze *cost*, which is a much more concrete concept than risk—costs can be
484 measured, verified, and classified. The same cannot be said about the “risk” that is
485 applicable to the “sharing” of risk between ratepayers and investors. An ECAM,
486 such as that proposed by Rocky Mountain Power, reconciles the cost of fuel and
487 purchased energy initially included in rates, with the actual, after-the-fact cost of
488 those items, so there is an assurance that ratepayers are paying a just and
489 reasonable rate that reflects the cost of service. In contrast, the absence of an
490 ECAM leads to the over- or under-recovery of net power costs. It would appear,
491 given the difficulties associated with setting rates based on forecasted net power
492 costs, that there would likely always be significant gaps between forecasted NPC
493 paid by ratepayers and the actual NPC borne by Rocky Mountain Power’s
494 investors. Most states have ECAMs—thereby avoiding problems related to the
495 over- or under-recovery of net power costs.

496 **Q. Do you have comments on the specific types of risk identified by UAE witness**
497 **Mr. Higgins?**

498 A. Yes. Mr. Higgins raises issues with respect to price risk, weather-related risk,
499 resource portfolio risk, and forced outage risk. I address these topics in turn.

500 ▪ *Price risk.* Elsewhere in this testimony, I explain
501 that given that the *price* of power is beyond a utility’s control (given that it is
502 a price-taker in power markets), there is no reason to not pass through the cost
503 of fuel to ratepayers.

504 ▪ *Resource portfolio risk.* UAE witness Mr. Higgins

505 argues (Higgins Dir. 18: 377-385) against transferring the risk/benefit of
506 hydro availability to Rocky Mountain Power’s ratepayers. But, Rocky
507 Mountain Power has no control over the availability of hydro-electric power,
508 and therefore shifting the over- or under-recovery of hydro-related costs to
509 ratepayers cannot affect the utility’s incentives in any way.

510 ■ *Forced outage risk.* UAE witness Mr. Higgins
511 states that forced outages would “automatically” pass through to customers.
512 Fuel costs would not be passed through “automatically” under the proposed
513 ECAM, but would always be subject to review by regulators and Commission
514 approval. In fact, in states where ECAMs are in place, regulators frequently
515 review utilities’ actions for prudence and, when a regulator finds that an
516 imprudent action led to unreasonable replacement power costs, have
517 disallowed the imprudently-incurred costs. Issues related to forced outages
518 resulting from imprudent operation of a generating unit can readily be dealt
519 with by state utility regulators, whether or not an ECAM is in place. A
520 utility’s incentives to avoid disallowances based on imprudence remain
521 squarely in place.

522 **Q. How would you respond to the suggestion that an ECAM that provides only**
523 **partial pass through of NPC can be a way to share risk?**

524 A. These issues are largely an issue for the “design” phase. Nevertheless, I would
525 question whether those types of mechanisms serve any useful purpose. DPU
526 witness Mr. Peterson states that “mechanisms that share risk could, potentially, be
527 in the public interest.” (Peterson Dir. 25: 570-571) It is hard to argue with this
528 since it is not clear what mechanisms Mr. Peterson has in mind. As a general
529 matter, as I discuss elsewhere in this testimony, I would be skeptical of
530 approaches such as “95/5 sharing” (as used in Missouri) except as a way to gain
531 experience with the implications of moving to a dollar-for-dollar ECAM.

532 Jurisdictions with partial pass through in an ECAM blur the distinction between
533 risk sharing for productive purposes and risk sharing in the price-taking purchase
534 of inputs. In other words, some jurisdictions impose risk sharing on the price of
535 fuel and purchased power. These cases are idiosyncratic and have generally been

536 a phase in a broad movement toward the full pass-through of fuel and power
537 purchases. Idaho, for example, has moved, over time, to fuller pass through of
538 power costs. For example, prior to 1993, Idaho Power absorbed all fuel cost
539 changes between rate cases, 40 percent from 1993 to 1995, 10 percent from 1995
540 to early-2009, and only five percent thereafter.²⁴ This represents an example of
541 the movement towards full pass through of power costs. In any event, these are
542 issues that need not be resolved in this Phase I.

543 **IV. REGULATORY SCRUTINY AND WHAT OTHER JURISDICTIONS DO**

544 **Q. What do you think of the “regulatory scrutiny” issue?**

545 A. It is another red herring. States that use ECAMs find ways to integrate prudence
546 oversight into the regulatory process. It is also clear that essentially all U.S.
547 utilities have an ECAM that is consistent with my basic understanding of what an
548 ECAM is intended to accomplish.

549 **A. SURVEY OF REGULATORY PRACTICE**

550 **Q. Is regulatory practice in other jurisdictions relevant here?**

551 A. Yes. Mr. Chernick notes that:

552 Despite its reliance on practice in other jurisdictions, Rocky Mountain
553 Power was unable to describe the mechanisms, in terms of the share of
554 costs flowed through the mechanism, adjustment caps and dead bands,
555 generator performance requirements, categories on costs included, and
556 whether the adjustment is based on actual fuel prices or market indices
557 (DR OCS 2.66). (Chernick Dir. 48: 1171-1175)

558 In Exhibit RMP____(KAM-1R), I provide comprehensive information on three key
559 characteristics of ECAM mechanisms: use of projected or historic fuel costs in the

²⁴ Before the Idaho Public Utilities Commission, *In the Matter of Idaho Power Company’s Petition for Approval of Changes to its Power Cost Adjustment Mechanism*. Case No. IPC-E-08-19. Order No. 30715, January 9, 2009.

560 initial month, whether true-up/balancing mechanisms are used to reconcile the
561 power costs in rates with actual power costs, and the length of the reconciliation
562 period. The Utah Commission will need to evaluate the evidence before it, just as
563 these other state commissions have done, and determine what is in the best
564 interests of the public and its utilities. I conclude, however, that Rocky Mountain
565 Power's proposal is squarely within the mainstream practice with respect to these
566 three characteristics of ECAM mechanisms. However, as noted above, the precise
567 design of Rocky Mountain Power's ECAM is not at issue in this phase of this
568 proceeding.

569 Mr. Chernick specifically referred to the ECAMs in Wisconsin and Vermont.
570 (Chernick Dir, 49:1190-1204) It is clear that Wisconsin currently has a
571 mechanism in place where the initial month's rates are based on a projection, but
572 if there is an over- or under-collection of actual costs (beyond a "variance range")
573 there is a reconciliation process; moreover, the Wisconsin legislature is currently
574 considering legislation that would amend Wisconsin's ECAM approach to be
575 more comparable to those in other states.²⁵ Mr. Chernick also mentions Vermont.
576 It may be true that Vermont approved ECAMs as part of the resolution of a more
577 comprehensive set of issues, but that does not change the fact that Vermont is
578 now squarely in the mainstream of regulatory practice with respect to ECAMs.

579 Some intervenors have raised concerns that Rocky Mountain Power's proposed
580 ECAM would somehow blur the "price signal" seen by end-use customers. Due to
581 the persistent under forecasting of NPC, customers currently are not seeing a price

²⁵ 2009 Assembly Bill 600. An act amending the current fuel clause mechanisms in place, November 24, 2009.

582 signal that is at all accurate. Any reconciliation period that takes place more often
583 than a traditional rate case would provide a better price signal than the ratemaking
584 that is currently in place. From this standpoint, a one-month or three-month
585 reconciliation period would be preferable, but any ECAM design would provide a
586 more accurate matching of costs and revenues providing better signals about the
587 cost of consuming electricity compared to the current, and consistent, under
588 charging for electricity. As mentioned elsewhere, the details of ECAM design
589 can be left to the design phase.

590 Exhibit RMP___(KAM-2R) provides examples of state regulatory practices with
591 respect to the share of costs flowed through the mechanism, adjustment caps and
592 dead bands, and generator performance requirements. Of the 95 companies I
593 reviewed, 78 use projected net power costs for the initial rate period and 93 have
594 some form of reconciliation (true-up) or balancing account mechanism. The
595 reconciliation period varies between one and twelve months, with 39 having a
596 reconciliation period of six months or less, although the majority of the
597 companies (52 of 95) have a twelve-month reconciliation period. I provided a
598 survey of the categories on costs typically included in ECAMs in other
599 jurisdictions as part of my direct testimony, so I will not re-do that survey here.

600 **B. REGULATORY OVERSIGHT OF PRUDENCE**

601 **Q. Please describe how other jurisdictions go about overseeing prudence.**

602 A. Regulatory oversight of the prudence of a utility's management of its power
603 procurement activities and the performance of the utility's generation plants can
604 be accomplished while allowing for timely rate changes that reflect fuel and

605 wholesale power market prices accurately. Many states have developed means,
606 such as periodic reviews, to provide a forum to discuss any prudence issues that
607 may arise. It is frequently the case that states which allow for fuel cost
608 adjustments also require some form of reporting to the public utility commission
609 as well as a public hearing or audit. States typically require that utility ECAMs
610 include public filings or hearings for increases on an established frequency. For
611 example, the Minnesota Public Utility Commission requires an annual report that
612 reviews the accuracy and prudence of its ECAM.²⁶

613 One straight forward way to show that states with ECAMs can oversee prudence
614 is to summarize some of the disallowances that have been made. **Table 1** shows
615 that it is not unusual for regulators to disallow net power costs based on
616 imprudence. In the absence of competitive forces, regulators must be charged
617 with ensuring that costs imposed on consumers are prudently incurred and
618 approximate those that would occur in a competitive market.

619 Many instances of prudence investigations in fuel cost adjustment mechanisms
620 occur when utilities were forced to purchase more expensive power on the
621 wholesale market as a result of a plant outage. For the utility to recover its costs:
622 “[t]he company must establish that it adequately studied the question of whether
623 to purchase these resources and made a reasonable decision, using the data and
624 methods that a reasonable management would have used at the time the decisions

²⁶ Minnesota Rule 7825.2810: Annual Report; Automatic Adjustment. *See*:
<http://www.revisor.leg.state.mn.us/arule/7825/2810.html> (accessed on December 5, 2009).

625 were made.”²⁷ Commissions investigate the costs that are reflected in the fuel
626 cost adjustment tariffs. Below is a list of current or recently concluded state
627 commission investigations of prudence of costs recovered in an ECAM or PGA.

²⁷ Washington Utilities & Transportation Commission, RE: Puget Sound Power & Light Co., 156 PUR4th 297, 303(Wash UTC, 1994) as cited in Goodman, Leonard S. "The Process of Ratemaking" Vol.II, pp. 881-2.

Table 1: Investigations & Decisions Regarding Prudence

State	Company	Date	Description	Reference
OH	Vectren Delivery of Ohio	6/14/2005	Ohio PUC denied VDO recovery of gas-related costs following a management/performance audit of the Company. The PUC indicated that the contract between Vectren and ProLiance was not at arms length, and that Vectren had no intention of awarding this asset management contract to an unaffiliated third-party. The Commission concluded improprieties occurred concerning the right to utilize unused gas transportation capacity, costs related to an unnecessarily high gas reserve margin and costs related to the treatment of interstate pipeline refunds.	Case No. 02-220-GA- GCR
TX	CenterPoint Energy Houston Electric	5/27/2004	Texas PUC precluded capacity costs from being recovered under fuel adjustment clauses, the CenterPoint contract had "an implicit capacity component because they had capacity attributes of reliability and firmness of supply and were used to meet Centerpoint's load obligations without increasing its generating capacity."	Docket No. 26195
WA	Puget Sound Energy	5/13/2004	WUTC established guidelines for recovery of costs associated with the Company's long-term wholesale contract to purchase power from the Tenaska plant. The WUTC also found that the Company did not, prior to the implementation of the PCA, adequately manage its fuel-cost risks and therefore ordered the Company to adjust its power cost adjustment deferral account to reflect the imprudent management.	Docket No. 031725
NJ	Elizabethtown Gas	5/14/2004	Settlement reached in an audit into company misconduct related to the Company's power procurement practices: management failed to adequately consider the risks associated with its growth strategy, and had improperly utilized the financially healthy utility operations to support failing non-utility activities.	Docket No. GA03030213
NV	Nevada Power Company	3/24/2004	The PUC authorized NPC recovery of \$169 million of a requested \$173 million of deferred energy costs as part of an application to recover fuel and purchased power costs as well as to adjust the prospective rate for fuel and purchased power.	Docket 03- 11019
TX	El Paso Electric	5/5/2004	Reversed a decision allowing energy-only purchased power contracts to be recovered which had been previously disallowed as capacity costs. Did not reverse other findings that other contracts did not contain capacity costs.	Docket No. 26194
NY		2/11/2004	A settlement disallowed the recoupment of costs of replacement power associated with power plant outages that were, in the Staff's view "could have and should have been either avoided or reduced in duration; but it also notes that its position includes a significant degree of uncertainty."	Case No. 00- E-0612

628 Q. Does this conclude your rebuttal testimony?

629 A. Yes.