

Richard S. Collins
Gore School of Business
Westminster College
1840 South 1300 East
Salt Lake City, UT 84105
Telephone: 801-832-2665
Facsimile: 801-832-3106
Email: rcollins@WestminsterCollege.edu
Representing Southwest Energy Efficiency
Project (SWEEP)

BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH

In the Matter of the Application of Rocky Mountain Power for Authority to Increase its Retail Electric Utility Service Rates in Utah and for Approval of its Proposed Electric Service Schedules and Electric Service Regulations


Docket No. 09-035-23

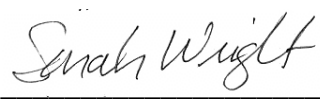
REBUTTAL TESTIMONY OF RICHARD COLLINS

**ON BEHALF OF
SOUTHWEST ENERGY EFFICIENCY PROJECT
(SWEEP) and
UTAH CLEAN ENERGY (UCE)**

SWEEP and UCE submit the Rebuttal Testimony of Richard Collins in this docket.

DATED this 23th day of March, 2010.

/s/ 
Representing SWEEP

/s/ 
Representing UCE

SWEEP and UCE
Rebuttal Testimony of Richard Collins
UPSC Dockets 09-035-23
Phase II Rate Design

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

2 A. My name is Richard S. Collins. I am an Associate Professor of Economics and Finance
3 at Westminster College located at 1840 South 1300 East, Salt Lake City, UT 84108.

4 **Q. Are you the same Dr. Richard Collins who submitted direct testimony in this**
5 **proceeding on behave of Southwest Energy Efficiency Project, (SWEEP) and Utah**
6 **Clean Energy, (UCE)?**

7 **A:** Yes, I am.

8 **Q: What is the purpose of your rebuttal testimony?**

9 **A:** I provide comments and rebuttal of the testimony of the Division of Public Utilities,
10 (DPU or Division), the Office of Consumer Services, (OCS or Office), and the Western
11 Resource Advocates, (WRA). SWEEP and UCE supports the recommendation of the
12 DPU to implement a decoupling mechanism that will recover the fixed costs associated
13 with the residential distribution costs identified by the Company in its direct testimony.
14 The adoption of the decoupling mechanism should be combined with SWEEP/UCE rate
15 design for residential customers.

16 **SUMMARY OF TESTIMONY**

17 **Q: Can you provide a summary of your rebuttal testimony?**

18 **A:** SWEEP and UCE support the Division's recommendation to implement a pilot
19 decoupling program aimed at recovering the residential fixed distribution costs identified
20 by the Company in its direct testimony of William Griffith. We do not support the
21 recommendations of the OCS because they do not promote the goal of achieving energy
22 efficiency to the extent warranted. We support the general goals of the WRA but we

23 prefer our approach to their proposal which adds fixed surcharges for usage above certain
24 levels. We support the Division's general recommendation for residential rate design
25 under decoupling, but feel that their recommendation would be improved if the rate
26 design includes a fourth tier for the residential ratepayer and if the rate differential
27 between tiers is accentuated. We recommend that the Commission approve the
28 Division's proposal for decoupling, but adopt SWEEP/UCE's rate design proposal. Our
29 rate proposal will send a more appropriate price signal to those customers that are placing
30 inordinate burdens on the system.

31 **Q: Could you describe the rate design proposal for the residential rate schedule 1 as**
32 **put forth by the Office of Consumer Services, (OCS)?**

33 **A:** The OCS appears to be taking a status quo approach to rate design for the residential rate
34 class. It is recommending that half of the \$12.18 million revenue increase assigned to
35 residential ratepayers be allocated to the customer charge while the other half is allocated
36 to certain blocks or tiers in the summer and winter rates. The OCS's "balanced"
37 approach "spreads the other half of the increase in class revenues evenly (on a total dollar
38 amount) into the second summer energy block, the third summer energy block, and the
39 winter energy rate"¹. This results in a 2.2% increase for the second summer block, a
40 2.82% increase for the third summer block and a 0.75% increase for the single winter
41 block.

42 **Q: Would you care to comment on and critique the OCS's proposal.**

43 **A:** Yes, I would. The OCS has taken a narrow view of the function of rate design. As stated

¹ See OCS Witness Gimble's Direct Testimony in this docket: line 108 to 110 on page 4.

44 in Mr. Gimble’s testimony, “The overall goal of rate design is to develop a rate structure
45 that is cost based, fair, relatively stable and generates sufficient revenues to cover a
46 class’s estimated cost of service.”² The Office did not focus on an important goal of rate
47 design which is to promote efficient use of resources. SWEEP and UCE, the Division,
48 and Western Resource Advocates (WRA) all strongly support a design of rates that
49 encourages customers to utilize their electricity consumption more efficiently. The
50 Commission should disregard the OCS’s recommendation because it fails to send strong
51 price signals to encourage energy efficiency.

52 **Q: OSC witness Gimble states that the first block of summer rates and the smaller**
53 **increase in the winter rate are designed to mitigate the adverse impact on low usage**
54 **customers. However, these low use customers i.e., less than 300 kWh, will**
55 **experience a larger increase in their bills than other customers as a direct result of**
56 **the OCS’s recommendation to increase the customer charge. To compensate for**
57 **this impact, OCS is recommending no increase in the first summer block and a**
58 **minimal impact in the single winter rate. Would you care to comment on the**
59 **effectiveness of their proposed rates to accomplish this goal?**

60 **A:** The Office’s recommendation results in rate increases for different usage levels as
61 indicated in Table 1 below. This table shows that the Office’s recommendation produces
62 larger rate increases in percentage terms for low use customers relative to other
63 customers. This produces an inequitable result for two reasons. First, there is a high
64 correlation between low income residential customers and low usage customers. So the

2. See Gimble’s Direct Testimony in this docket , line 55-58 page 2.

65 OCS recommended rate design will put a larger burden on low income customers in
66 relative terms. Secondly, it is the high use customers not the low use customers that are
67 putting a burden on the electric system. The OCS rate design recommendation places
68 larger percentage increases on low usage customers and then treats other levels of usage
69 basically the same. Customers using 100 kWh will experience a 6.74% increase in their
70 bills. From 400 kWh to 1000 kWh, the rate increase is approximately 2.17 %, at 1500
71 kWh the bill impact is a mere 2.61%, at 2000 kWh it is 2.78%, and at 5000 kWh the bill
72 increase is only at 3.08%. This sends inappropriate price signals to low and high use
73 customers. In relative terms low use customers see a larger percentage increase in their
74 bills than most high use customers. This appears to be contrary to relative usage levels
75 indicated in SWEEP's Direct testimony in Table 5 that shows the approximately 25% of
76 the customer who use 400 kWh or less use only 7% of the summertime energy, while the
77 top 5% (greater than 2000 kWh) use over 16% of the summertime energy. To increase
78 the low usage customer bill by larger percentage increase than a high usage customers
79 does not appear to be equitable. In the winter rate design, the OCS rate design leads to
80 even more inequitable results. Here low use customers have higher rate increase in
81 relative terms and the rate increase in percentage terms constantly decrease with usage.
82 As seen in Table 1, the SWEEP/UCE rate proposal treats low income and low usage
83 customers differently. Aside from the increase to low use customers due to the \$0.25
84 increase in the customer charge, high use customers, i.e., greater than 1000 kWh, see
85 higher bill increases in percentage terms as usage increases. This is more equitable and
86 sends more appropriate price signals to the customers who are placing more demands and

87 therefore costs on the electric system.

88 Table 1

Rocky Mountain Power				
Monthly Billing Comparison				
Schedule 1 - State of Utah				
Residential Service				
kWh	Summer		Winter	
	OCS %	SWEEP %	OCS %	SWEEP %
	Change	Change	Change	Change
100	6.74%	2.25%	7.10%	0.35%
200	3.95%	1.32%	4.49%	-0.87%
300	2.79%	0.93%	3.35%	-1.37%
400	2.16%	0.72%	2.75%	-1.64%
500	2.17%	0.57%	2.40%	-1.81%
600	2.19%	0.47%	2.14%	-1.93%
700	2.16%	0.40%	1.95%	-2.03%
720 a			1.92%	-1.77%
774 b	2.17%	0.36%	1.83%	-1.14%
800	2.17%	0.35%	1.81%	-0.87%
841 c	2.19%	0.33%		
900	2.18%	0.31%	1.69%	0.04%
1,000	2.19%	0.27%	1.60%	0.78%
1,100	2.31%	1.57%	1.52%	1.37%
1,200	2.40%	2.60%	1.47%	1.89%
1,300	2.48%	3.44%	1.42%	2.32%
1,400	2.55%	4.14%	1.37%	2.69%
1,500	2.61%	4.73%	1.33%	3.02%
2,000	2.78%	6.69%	1.18%	4.16%
3,000	2.96%	16.52%	1.04%	5.32%
4,000	3.04%	21.15%	0.97%	5.90%
5,000	3.08%	23.84%	0.92%	6.25%

¹ Including HELP, DSM and applicable adjustment.
 a: Winter average usage;
 b: Annual average usage;
 c: Summer average usage.

89

90 **Q: Are there any observations made by the Office that you agree with or approve?**

91 **A:** Outside the increase in the customer charge, the Office’s general treatment of rate design
 92 is moving in the right direction, they just appear to be rather timid in their

93 recommendations. SWEEP/UCE agrees with the general principle that the first block
94 should receive either a rate reduction or no rate increase and that the higher blocks should
95 get proportionally greater rate increases. We also agree with their observation that the
96 Company's recommended rate design which places the entire revenue increase in the
97 customer charge is motivated by their drive for revenue stability. However, this can be
98 more effectively achieved through a decoupling mechanism as proposed by the Division.
99 SWEEP/UCE also agrees with the Office's observation that it might be time to consider a
100 two block rate for the winter. We believe that now is the appropriate time to implement a
101 two tiered winter rate structure.

102 **Q. Would you summarize the recommendations made by WRA for residential rates?**

103 **A:** The WRA attempts to develop a rate structure that will encourage the ratepayers to utilize
104 their use of electricity more efficiently. WRA is proposing a residential rate structure
105 with a surcharge for use above certain levels. The surcharge is a fixed amount for each
106 month and increases as the usage level increases. There is no surcharge for consumers
107 using less than 1,000 kWh per month. The High Usage Surcharge starts at \$2.50 per
108 month for usage above the 1000 kWh demarcation and increases to \$10.00 for consumers
109 using 1501 to 2500 kWh per month. The surcharge then increases by \$10 for each 1000
110 kWh increment up to 10,000 kWh, after which it continues in larger increments up to
111 \$250 for usage beyond 22,500 kWh per month. WRA recommends that the charge be a
112 separate line item and that the bill include an explicit explanation for the charge. It is
113 hoped that the explicit nature of the surcharge will encourage customers to conserve
114 electricity or use it more efficiently in order to avoid the surcharge.

115 **Q. What is your professional opinion about the WRA proposal?**

116 A. I support the WRA's intention to create incentives for residential ratepayers to utilize
117 electricity more efficiently. This important goal should be pursued by the Company and
118 supported by the Commission. That said, I believe that WRA's rate design proposal is
119 complex- in that it would add a new layer of varying surcharges onto the current set of
120 tiered variable rates. The strongest element of the rate design is the possibility that
121 explicit charge for high usage that will get customers' attention the first time they see it.
122 However, due to the nature and size of the charge, there may be limited impact on
123 consumer behavior. Economists believe that people make decisions on the margin; they
124 compare marginal benefits with marginal costs before they make decisions such as
125 whether or not one consumes an additional kWh or not. With the WRA's proposal the
126 fixed costs imposed occur at discrete intervals. Customers will quickly recognize that
127 unless they are near the demarcation line, changes in consumption will not impact their
128 bill. While customers below 1000 kWh receive no surcharge, customers who consume
129 slightly above 1000 kWh will receive a small surcharge of \$2.50. For the customer the
130 additional cost of the 1001st kWh is \$2.50, but this price signal weakens as customers
131 increase their usage up to 1500 kWh. For the customers consuming 1001 kWh, their bills
132 increase by 2.7% but the percentage increase in the bill falls as the customer consumes
133 more kWh up until the 1500 kWh mark. At 1501 kWh the surcharge increases to \$10.00
134 and the percentage increase rises to 6.7%. However, this surcharge does not change again
135 until 2500 kWh level while the percentage increases falls to a 3.8% increase in one's bill.
136 This creates a somewhat perverse incentive. Once a customer has hit the surcharge level,

137 they will experience a decline in the rate increase as measured in percentage terms until
138 they hit the next 1000 kWh surcharge level.

139 This rate structure creates little or no incentive for a customer in the middle or
140 upper end of a tier to reduce their usage. For example a customer using 2000 kWh will
141 have little incentive to reduce their usage. In order to gain financially and receive a \$7.50
142 reduction in the usage charge, that family or residence would have to lower its usage by
143 500 kWh. A 25% decrease in consumption will yield an approximately 12.9% decrease in
144 the customer's bill. This assumes that the customer has an implicit elasticity coefficient
145 of approximately -2. Thus the WRA rate proposal implicitly assumes that for customers
146 in the middle of a tier, electricity must be an extremely elastic good in order for that
147 customer to respond and realize a utility bill reduction. This contradicts the results found
148 in most all empirical studies measuring elasticity responses of residential electric
149 ratepayers. Most all empirical studies performed on elasticity have found that the
150 demand for electricity is highly inelastic with the average estimate in the -.35 range.³
151 The only time this rate structure will affect consumers' behavior is if their usage level is
152 close to the surcharge trigger point. Otherwise, empirical evidence strongly suggests that
153 the surcharge will not affect behavior.

154 A steeply tiered rate structure as proposed by SWEEP/UCE will send a more
155 appropriate price signal that increases the incentive to reduce kWh usage with every
156 kWh, with the per kWh incentive increasing at higher levels of consumption. We agree

3 See Espey, James and Espey, Molly "Turning on the Lights: A Meta-Analysis of Residential Electricity Demand Elasticities", Journal of Agricultural and Applied Economics, 36,1 April 2004 p. 65-81 for elasticity estimates. Short run price elasticity estimates range from -.2.01 to -0.004 with a mean of -.35 and a median of -.28. Long run estimates of elasticity have a mean of -.85 and a median of .81.

157 with WRA, however, that consumers should be educated about the rate structure and
158 informed about how higher usage leads to higher rates, thus both rates and bills can be
159 decreased by cutting usage.

160 **Q: Could you briefly describe the DPU's residential rate design proposal?**

161 A: DPU witness Dr. Artie Powell, on page 9, lines 171-172 of his direct testimony in Phase
162 II states that "In this case, the Division's primary objective is to promote a rate design
163 that will send price signals promoting conservation." In order to accomplish this goal, the
164 Division is recommending that the Commission adopt a decoupling mechanism that will
165 mitigate the Company's risk of recovery of its fixed distribution costs. As Dr. Powell
166 succinctly stated in his direct testimony:

167 "For the Residential classes, the Division is proposing a decoupling mechanism designed
168 to collect the Company's fixed distribution costs. The Division believes that decoupling
169 will allow flexibility in designing rates that promote energy efficiency while mitigating
170 the risk of cost recovery."⁴
171

172 The Division recommends that the Customer Charge be kept at its current level of \$3.00
173 and that most of the revenue increase for residential customers be placed on the third
174 summertime tier. SWEEP/UCE strongly supports this proposal and commends the
175 Division for its ingenuity in developing a cogent proposal that addresses the Company's
176 concern about recovering its fixed distribution costs while promoting the important rate
177 design goal of encouraging the efficient use of electricity. The Division correctly notes
178 that there is an inherent conflict between a rate design that encourages conservation and
179 energy efficiency by recovering fixed costs through a volumetric charge and the

4 See Dr. Powell's Direct Testimony in Phase II of this docket DPU exhibit 11.0, page 2 lines 29-32.

180 assurance of cost recovery. Raising rates in the higher blocks will send the correct price
181 signal to high use customers to conserve on energy use; however, it is the use in these
182 higher blocks that is most often driven by air conditioning load which is heavily
183 dependent on weather. During a hot summer, there is higher usage of electricity and the
184 Company will over-recover its fixed costs, in a cool summer the Company is at risk for
185 under-collecting its fixed costs. The decoupling mechanism proposed by the Division
186 mitigates the risk of under or over-collection of these costs by the Company and allows
187 the Commission to adopt a rate design that will encourage maximum energy efficiency
188 and conservation. In turn, greater energy efficiency and conservation by customers will
189 decrease the need for future capacity expansion and future rate increases.

190 Another concern about collecting fixed costs centers on the elasticity of demand
191 of residential ratepayers to the higher tiered rates. This has been a major concern of
192 SWEEP/UCE who advocate for greater price difference between the tiers. Higher rates
193 in the upper tiers will lead to lower consumption. Unless this demand response is
194 included in the calculation of rates, the lower consumption means that the Company may
195 not collect all of its distribution fixed costs. The decoupling mechanism substantially
196 reduces these risks. SWEEP/UCE believes that this decoupling mechanism does a better
197 job of reducing such risks than use of an explicit elasticity adjustment in setting rates.

198 **Q: Why should the Commission adopt a decoupling mechanism at this time, shouldn't**
199 **this issue have its own docket?**

200 **A:** I do not believe that this issue requires its own docket. Now is the perfect time to
201 implement this limited decoupling mechanism. It should be noted that the Division's

202 proposal only applies to the residential class and it only decouples the collection of the
203 Company's fixed distribution costs assigned to residential customers. It does not include
204 transmission or generation fixed costs, a large component of fixed costs. In addition,
205 Utah's regulatory bodies have experience with a decoupling mechanism, Questar's
206 decoupling or Conservation Enabling Tariff ("CET"). It has proved to be successful and
207 has not resulted in volatile rates. It has also been accompanied by strong support for
208 effective DSM programs on the part of Questar, which in turn are providing very
209 significant economic benefits for utility customers. Furthermore, the Division's proposal
210 for RMP is a three year pilot program which will be reviewed in one year. It requires
211 monthly submission of data for regulatory review. It has also put limits on the
212 adjustment process which will prevent high rate volatility. The Division should be
213 commended for crafting such a careful decoupling proposal that protects ratepayers'
214 interests.

215 **Q: What are the benefits associated with the proposed decoupling mechanism?**

216 **A:** One of the major benefits of the proposed decoupling mechanism is that it eliminates or
217 mitigates the Company's incentive to increase profits with increased sales, and likewise
218 be hurt financially when electricity sales drop. Thus it aligns the company's financial
219 interest with that of consumers with respect to implementation of energy conservation
220 and DSM measures; i.e., the company's recovery of distribution costs is not affected by
221 the success of its DSM programs.

222 Another benefit of decoupling is that it facilitates the adoption of stronger tiered
223 rates, such as the tiered rates advocated by SWEEP/UCE, and it eliminates the pressure to

224 raise fixed charges and thus reduce variable charges. The uncertainty regarding revenue
225 recovery as the differential across tiers is increased is no longer an issue at least with
226 respect to recovery of fixed distribution costs. The company is assured of its authorized
227 cost recovery, whether or not there is a weak or strong customer response to the new
228 rates, and whether or not fixed charges are maintained at a relatively low level.

229 A third benefit of decoupling is that it protects customers as well as the company.
230 If sales exceed projections due to factors such as a hotter than normal summer or strong
231 economic growth, the company will refund its over-collection of fixed distribution costs
232 to customers. The mechanism works in both directions, ensuring that the company
233 obtains no more and no less than its approved fixed distribution costs per customer.

234 **Q: Does Federal energy policy support the adoption of decoupling at the state level?**

235 **A:** Yes it does. Section 410 of the American Recovery and Reinvestment Act (ARRA)
236 states:

237 “The applicable State regulatory authority will seek to implement, in appropriate
238 proceedings for each electric and gas utility, with respect to which the State regulatory
239 authority has ratemaking authority, a general policy that ensures that utility financial
240 incentives are aligned with helping their customers use energy more efficiently and that
241 provide timely cost recovery and timely earnings opportunity for utilities associated with
242 cost-effective, measurable and verifiable efficiency savings, in a way that sustains or
243 enhances utility customers’ incentives to use energy more efficiently.”

244
245 Adoption of at least partial decoupling is a step towards complying with this provision of
246 federal law.

247 **Q: In your observation, has Rocky Mountain Power been opposed to implementing**
248 **DSM measures and programs?**

249 **A:** Quite the contrary, RMP’s management has been very supportive of implementing

250 demand-side measures, and its DSM programs have grown substantially over the past
251 eight years in terms of budget and level of energy savings achieved. However, as the
252 programs have become more effective, there have been growing concerns expressed by
253 the Company of its ability to collect its fixed costs and the impact that DSM has on the
254 company's financial well-being. These are reasonable concerns that are addressed at
255 least in part by the decoupling mechanism proposed by the Division. With the mitigation
256 of these concerns, I expect that the Company will continue to enthusiastically acquire
257 even larger quantities of cost-effective DSM resources in the future. This in turn will
258 reduce revenue requirements and provide substantial net economic benefits for
259 customers.

260 **Q: Are there any other comments, you wish to make regarding the Division's proposal?**

261 **A:** Yes, as I stated before, I laud the Division's initiative of promoting a regulatory regime
262 that reduces the risk to the Company for the recovery of its residential distribution fixed
263 costs and promotes energy efficiency and conservation. However, I believe the Division
264 is too timid in its rate design recommendation. The Commission should pursue a much
265 more ambitious rate design that will create greater incentive for customers to reduce their
266 use of electricity through conservation and adoption of more energy efficient appliances.
267 The Commission should adopt the Division's decoupling mechanism and implement
268 SWEEP/UCE rate design which includes a tiered structure for both winter and summer
269 with a fourth tier in summer and greater price differentials between the summertime tiers.

270 **Q: Does that complete your rebuttal testimony?**

271 **A:** Yes, it does.

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was sent by United States mail, postage prepaid, or by email this 23 day of, March 2010, to the following:

Mark C. Moench (2284)
Yvonne R. Hogle (7550)
Rocky Mountain Power
201 South Main Street, Suite 2300
Salt Lake City, Utah 84111
Tel. 801.220.4459
Fax 801.220.4058
mark.moench@pacificorp.com
yvonne.hogle@pacificorp.com

Paul J. Hickey
Hickey & Evans, LLP
P.O. Box 467
1800 Carey Avenue, Suite 700
Cheyenne, Wyoming 82003-0467
Tel. 307.634.1525
Fax 307.638.7335
phickey@hickeyevans.com

Paul Proctor
Assistant Attorney General
Utah Office of Consumer Services
Heber M. Wells Bldg., 5th Floor
160 East 300 South
Salt Lake City, UT 84111
pproctor@utah.gov

Kevin Higgins
Neal Townsend
Energy Strategies
39 Market Street, Suite 200
Salt Lake City, UT 84101
khiggins@energystrat.com
ntownsend@energystrat.com

Gary A. Dodge
Hatch James & Dodge
10 West Broadway, Suite 400
Salt Lake City, UT 84101
gdodge@hjdllaw.com

Katherine A. McDowell
McDowell & Rackner, P.C.
520 SW 6th Avenue, Suite 830
Portland, OR 97204
Tel. 503.595.3924
Fax 503.595.3928
Katherine@mcd-law.com

Betsy Wolf
Salt Lake Community Action Program
764 South 200 West
Salt Lake City, UT 84101
bwolf@slcap.org

Cheryl Murray
Michele Beck
Utah Office of Consumer Services
160 East 300 South, 2nd Floor
Salt Lake City, UT 84111
cmurray@utah.gov
mbeck@utah.gov

William Powell
Philip Powlick
Division of Public Utilities
Heber M. Wells Building
160 East 300 South, 4th Floor
Salt Lake City, UT 84111
wpowell@utah.gov
philippowlick@utah.gov

Dennis Miller
Division of Public Utilities
Heber M. Wells Building
160 East 300 South, 4th Floor
Salt Lake City, UT 84111
dennismiller@utah.gov

Michael Ginsberg
Patricia Schmid
Assistant Attorney General
Utah Division of Public Utilities
Heber M. Wells Bldg., 5th Floor
160 East 300 South
Salt Lake City, UT 84111
mginsberg@utah.gov
pschmid@utah.gov

Roger J. Ball
Utah Ratepayers Association
1375 Vintry Lane
Salt Lake City, Utah 84121
Ball.roger@gmail.com

F. Robert Reeder
William J. Evans
Vicki M. Baldwin
Parsons Behle &, Latimer
201 South Main Street, Suite 1800
Salt Lake City, Utah 84111
bobreeder@parsonsbehle.com
bevans@parsonsbehle.com
vbaldwin@parsonsbehle.com

Gerald H. Kinghorn
Jeremy R. Cook
Parsons Kinghorn Harris, P.C.
111 East Broadway, 11th Floor
Salt Lake City, Utah 84111
ghk@pkhlawyers.com
jrc@pkhlawyers.com

Steven Michel
Penny Anderson
Nancy Kelly
Western Resource Advocates
2025 Senda de Andres
Santa Fe, NM 87501
smichel@westernresources.org
penny@westernresources.org
nkelly@ida.net

Arthur F. Sandack
8 East Broadway, Ste 510
Salt Lake City, Utah 84111
801-595-1300 office
801-363-1715 fax
asandack@msn.com

Peter J. Mattheis
Eric J. Lacey
Brickfield, Burchette, Ritts & Stone, P.C.
1025 Thomas Jefferson Street, N.W.
800 West Tower
Washington, D.C. 2007
pjm@bbrslaw.com
elacey@bbrslaw.com

Michael L. Kurtz, Esq.
Kurt J. Boehm, Esq.
Boehm, Kurtz & Lowry
36 East Seventh Street, Suite 1510
Cincinnati, Ohio 45202
mkurtz@BKLawfirm.com
kboehm@BKLawfirm.com

Sarah Wright
Utah Clean Energy

1014 2nd Ave

Salt Lake City, UT 84103
sarah@utahcleanenergy.org

