# **APPLICATION OF ROCKY MOUNTAIN POWER**

Docket No. 20-035-04

# PUBLIC HEARING

October 29, 2020

**ADVANCED REPORTING SOLUTIONS** 

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2	PUBLIC HEARING DOCKET NO. 20-035-04		
3	STATE CONTRACT #MA2908		
4	APPLICATION OF ROCKY MOUNTAIN POWER FOR AUTHORITY TO		
5	INCREASE ITS RETAIL ELECTRIC UTILITY SERVICE RATES IN		
6	UTAH AND FOR APPROVAL OF ITS PROPOSED ELECTRIC SERVICE		
7	SCHEDULES AND ELECTRIC SERVICE REGULATIONS		
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12	VIDEO CONFERENCED PUBLIC HEARING		
13	Taken on October 29, 2020		
14	From 9:01 a.m. to 4:30 p.m.		
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25	Reported by: Deirdre Rand, RPR, CSR, CCR		

1	APPEARANCES
2	
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5	COMMISSIONER DAVID CLARK COMMISSIONER RONALD ALLEN
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14	Utah Association of Energy Users:
15	PHILLIP J. RUSSELL
16	Walmart:
17	VICKI M. BALDWIN STEPHEN W. CHRISS
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21	Stadium: IRION SANGER
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1	PROCEEDINGS
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3	CHAIR LEVAR: Good morning. We're here for
4	public service commission cost of capital hearing in
5	Docket 20-035-04, Application of Rocky Mountain Power
6	for Authority to Increase its Retail Electric Utility
7	Service Rates in Utah and for Approval of its Proposed
8	Electric Service Schedules and Electric Service
9	regulations.
10	I'm Thad LeVar. We also have Commissioner Ron
11	Allen and Commissioner David Clark.
12	And with that, why don't we move to
13	appearances. So for Rocky Mountain Power, if you'd like
14	to make your appearance.
15	And I'm not hearing you, Mr. Sabin, if you're
16	speaking. You're still muted.
17	Okay. Why don't we we'll come back to
18	Rocky Mountain Power.
19	Would anyone like to make an appearance for
20	the Division of Public Utilities?
21	MS. SCHMID: Yes, I would. I am Patricia E.
22	Schmid with the Utah Attorney General's Office,
23	appearing on behalf of the Utah Division of Public
24	Utilities.
25	CHAIR LEVAR: Thank you, Ms. Schmid.

1	How about the Office of Consumer Services?
2	MR. MOORE: Yes. My name is Robert Moore,
3	with the AG's office. I'm representing the Office of
4	Consumer Services. Later on today or tomorrow I'll be
5	joined by Randall Woolridge, the OCS's witness.
6	CHAIR LEVAR: Thank you, Mr. Moore.
7	Ms. Baldwin?
8	MS. BALDWIN: Yes, this is Vicki Baldwin,
9	appearing on behalf of Walmart. And
10	CHAIR LEVAR: We're getting some
11	Ms. Baldwin, maybe
12	MS. BALDWIN: I was just going to say, my
13	witness, Steve Chriss, will be appearing later today or
14	tomorrow.
15	CHAIR LEVAR: Okay. Thank you, Ms. Baldwin.
16	We're getting a little feedback. Maybe if you turn your
17	volume down a little bit on your speakers, that might
18	help.
19	Okay. Thank you.
20	Mr. Sabin?
21	MR. SABIN: Cameron Sabin and Matt Moscon are
22	here on behalf of Rocky Mountain Power. We have with us
23	all of the company witnesses who will be testifying
24	today, as well as in-house counsel.
25	CHAIR LEVAR: Okay. Thank you, Mr. Sabin.

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1	Mr. Russell?
2	MR. RUSSELL: Phillip Russell appearing on
3	behalf of the Utah Association of Energy Users.
4	CHAIR LEVAR: Okay. Thank you. Just for
5	clarification, are you also, in this particular portion
6	of the hearing, representing the University of Utah and
7	US Mag?
8	MR. RUSSELL: Yes, I am. None of those
9	parties have any witnesses in this part of the hearing.
10	But yes, thank you for clarifying. I do represent the
11	University of Utah and US Magnesium in these
12	proceedings.
13	CHAIR LEVAR: For today you'll be
14	participating on behalf of UAE, right?
15	MR. RUSSELL: Yes.
16	CHAIR LEVAR: Okay.
17	Mr. Sanger?
18	MR. SANGER: Good morning. Irion Sanger here
19	representing Stadium. My witness, Brian Dickman, is
20	testifying in the second phase of the proceeding or
21	not the second phase in the revenue requirement
22	portion of the proceeding, so he will not be attending
23	the cost of capital part of the proceeding this morning.
24	CHAIR LEVAR: Thank you, Mr. Sanger.
25	Mr. Boehm?

1	MR. BOEHM: Good morning, your Honor. Kurt
2	Boehm appearing on behalf of the Kroger Company. And we
3	do not have a witness in this phase of the hearing.
4	CHAIR LEVAR: Thank you, Mr. Boehm.
5	There's a few other parties who are have
6	intervened but have not filed testimony in this portion
7	of the docket, and I'm not seeing anyone on the list.
8	If there's anyone else to make an appearance
9	who I've missed, please let me know.
10	MR. SABIN: Mr. Chairman, this is Mr. Sabin.
11	I'm not I've obviously made my appearance. There are
12	a number of individuals over here, including Matt
13	Moscon, my partner, who are not who are waiting in
14	the they've clicked on the Google Meet link and
15	they're waiting but are not being allowed in. I'm not
16	sure if that's something on our end or your end. I'm
17	wondering if somebody who's managing that could check
18	that.
19	CHAIR LEVAR: That should be on my end. I
20	usually get a notification when there's people waiting
21	to join, and I am not seeing any notifications of
22	individuals trying to join. I usually get a popup that
23	I just have to admit.

24 MR. SABIN: We'll try and have them do it 25 again and see if it pops up.

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1	CHAIR LEVAR: Yeah, we'll wait a few moments.
2	MR. SABIN: Give us one second. We'll try
3	that.
4	CHAIR LEVAR: We have not encountered that
5	issue before in any of our other hearings; that's new to
6	me. So we may have to take a moment to
7	MR. SABIN: Yeah, it's showing on it's
8	showing on their screen just spinning, saying,
9	"Waiting for the" "to be admitted."
10	MR. CLARK: Are we sure they've used the same
11	link that counsel used?
12	MR. SABIN: We're going to check the link.
13	We'll double-check that. Give us one second.
14	CHAIR LEVAR: While we're waiting for that,
15	Ms. Baldwin sent a message to the Public Service
16	Commission this morning asking about order of witnesses.
17	Ms. Baldwin, do you have a particular time
18	consideration for your witness?
19	MS. BALDWIN: No. We were just wondering
20	if what the order was going to be, and wondering if
21	it looked like it would be tomorrow or today or later
22	today. So, yeah, we were just wondering.
23	CHAIR LEVAR: Okay. I don't know how much
24	clarity I can give you on that. Typically, the
25	applicant's witnesses go first, followed by the state

**Public Hearing** 

1	agency witnesses, and then we move to the others. If
2	anyone wants to make a motion to deviate you know,
3	that's just the typical practice.
4	In terms of today or this afternoon or
5	tomorrow, I could there's no probably more clarity
6	on that later today, but
7	MS. BALDWIN: Okay.
8	CHAIR LEVAR: I don't know that I can give
9	any additional clarity at this point.
10	MS. BALDWIN: Thank you very much.
11	CHAIR LEVAR: I wonder if a five-minute recess
12	would be appropriate to deal with connection issues.
13	I just added one of your witnesses, Mr. Sabin.
14	MR. SABIN: Yeah, I think they're adding
15	the others are going through the link again. So maybe
16	give us just minute. And we're happy to have a recess
17	if that makes sense, but the others are joining going
18	back in to the same link to see if they can get back in.
19	CHAIR LEVAR: Okay. Why don't we stay on.
20	Maybe a recess won't be necessary. We'll just stay on
21	for another moment or two.
22	So we have Mr. Moscon and Mr. Hoogeveen. Is
23	anyone aware of others who are trying to get on?
24	Mr. Sabin, do you have more who are still
25	trying to get on?

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1	MR. SABIN: I think we're getting there. I
2	think that's it for now. Mr. Hoogeveen is a witness,
3	and then Mr. Moscon is here. So I think we're good for
4	now. Thank you, Mr. Chairman.
5	THE REPORTER: Just a moment. This is the
б	reporter. I am noticing that we are getting feedback
7	when Mr. Sabin is talking. I don't know if he needs to
8	reduce the sound of his speakers or something, or if
9	anyone else has noticed that.
10	CHAIR LEVAR: Thank you, Ms. Rand.
11	So, again, if you're not participating, please
12	mute yourself. There's a few that are not muted right
13	now. The feedback could be coming from any one of them.
14	But yes, generally, turning your volume down helps. If
15	it doesn't help, using some kind of earphones can become
16	necessary if the volume controls don't.
17	And before we go any further, I'll just remind
18	everyone, since we're on this platform and not in
19	person, it's a little more important than usual to speak
20	slowly for the court reporter and to make sure we're not
21	interrupting each other and speaking over each other.
22	Do we have any other preliminary matters
23	before we go to Rocky Mountain Power's first witness?
24	MR. SABIN: We don't have any.
25	CHAIR LEVAR: Okay. I'm not hearing anything

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from anyone. So, Mr. Sabin, if you want to move forward
with your witness.
MR. SABIN: Mr. Moscon will go first and
introduce Rocky Mountain Power's first witness.
Sorry. We're having technical difficulties on
this end. For some reason the computers are
disconnecting. Let us try it one more time.
CHAIR LEVAR: Okay. I just readmitted
Mr. Moscon again.
MR. SABIN: There we go.
MR. MOSCON: Okay. Can you hear me now,
Mr. Chairman?
CHAIR LEVAR: I can see and hear you clearly.
So we're ready for you to move forward with your first
witness if you are.
MR. MOSCON: Mr. Chairman and commissioners
CHAIR LEVAR: Mr. Moscon, I think you muted
yourself after you started. We heard you for a moment,
and then we lost you. So we're not hearing you right
now. You're indicated as being muted.
MR. MOSCON: Is there feedback if I talk now?
CHAIR LEVAR: I'm not hearing feedback now,
no. There was some before, but I don't hear anything
now.
MR. MOSCON: Okay. Can you hear me now?

1 CHAIR LEVAR: Yes. Yes. 2 I'm so sorry about all this. MR. MOSCON: 3 We're trying to coordinate multiple parties, witnesses, 4 and attorneys in one room, but without the feedback 5 loop. 6 So, for today, just to clarify order of witnesses and what we intend to do today, it is the 7 power company's understanding that today is the cost of 8 9 capital hearing. We intend on presenting three 10 witnesses today. The order that the company will 11 proceed in is, first, Mr. Gary Hoogeveen. Next is 12 Ms. Nikki Kobliha. Third is Ms. Ann Bulkley. That is 13 the order of witnesses that we intend to present today, 14 if that helps road map for the Commission and the 15 parties how we intend to proceed. 16 As far as preliminary matters go, I have seen 17 this morning some parties have been sending around some 18 cross exhibits, some have not. I'm wondering, for the 19 Commission, if there is a particular email address or if 20 that group email is reaching the commissioners? If we need to send some cross exhibit or have a witness look 21 22 at something, does the Commission prefer to get those by 23 email? To have split screens used and to just view it 24 live? How would the Commission have us proceed in that 25 fashion?

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1 If you are able to use the CHAIR LEVAR: 2 "share screen" function, that works well on this 3 platform, but we're always happy if parties email 4 exhibits to psc@utah.gov. Then we will distribute them to all of the attorneys who have made an appearance on 5 the docket. So we have that list of attorneys. But if 6 you're comfortable using the "share screen" function, 7 that works well also. 8 9 MR. MOSCON: Okav. 10 That was the question I had. I didn't want to 11 speak for any of the other parties. If the Commission 12 has other matters or if it wants us to proceed, we'll go 13 at the Commission's direction. 14 CHAIR LEVAR: Okay. I think at this point you 15 can go forward with your first witness, then, Mr. Moscon. 16 17 DIRECT EXAMINATION 18 BY MR. MOSCON: 19 Again, the company's first witness is ο. Okay. 20 going to be the company president, Mr. Gary Hoogeveen, 21 who, unlike in a typical case introduces the entire 22 case, he will today introduce the cost of capital 23 component for the case. 24 So with that, I will turn and I will ask 25 Mr. Hoogeveen, Mr. Hoogeveen, would you please, for the

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1 record, state and spell your name? 2 My name is Gary -- you also have to turn that Α. 3 down. I'll turn on my volume. 4 Apologies. My name is Gary Hoogeveen. Spelled G-a-r-y, Hoogeveen spelled H-o-o-g-e-v-e-e-n. 5 And would you please identify your position 6 0. with the company? 7 President and CEO of Rocky Mountain Power. 8 Α. CHAIR LEVAR: Mr. Moscon, I'll just briefly 9 10 swear in Mr. Hoogeveen. 11 MR. MOSCON: Great. 12 Mr. Hoogeveen, do you swear to CHAIR LEVAR: 13 tell the truth? 14 THE WITNESS: I do. 15 CHAIR LEVAR: Okay. Thank you. Thanks for 16 being with us this morning. THE WITNESS: Good morning, Chairman LeVar, 17 18 Commissioner Clark and Commissioner Allen. I appreciate 19 the opportunity to address you in this case. 20 Today, I'm here to support the company's 21 commitment to its customers and communities by providing 22 further details regarding our request for return 23 on equity. I will also introduce the --THE REPORTER: I'm sorry. Wait. This is the 24 25 court reporter. You are coming -- clicking in and out.

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1	I'm losing words. I don't know what's happening, but I
2	didn't hear a couple of words in that.
3	THE WITNESS: Okay.
4	I wonder if we should just take a break and
5	see if we can
6	MR. MOSCON: Can we take that five-minute
7	recess and try a phone bridge, Mr. Chairman?
8	CHAIR LEVAR: Thank you. That's a good idea.
9	The telephone connection usually solves these problems.
10	So why don't we recess until 9:20 a.m.
11	MR. MOSCON: Thank you.
12	THE REPORTER: Thank you.
13	(Whereupon a short recess was taken.)
14	CHAIR LEVAR: Why don't we go on the record
15	and return to Mr. Moscon and Mr. Hoogeveen to continue
16	your presentation. Thank you.
17	BY MR. MOSCON:
18	Q. All right. So, Mr. Hoogeveen, you introduced
19	yourself. You gave us your name.
20	Did you cause testimony to be filed in this
21	proceeding?
22	A. I did.
23	Q. And was that direct and rebuttal testimony?
24	A. That's correct.
25	Q. If I were to ask you the questions that are

1	set forth in your testimony today, would your answers be
2	the same as they are on the testimony as you previously
3	filed it?
4	A. It would be the same.
5	MR. MOSCON: All right. I would move for the
6	admission of Mr. Hoogeveen's testimony as Rocky Mountain
7	Power's first exhibit, together with the one attachment
8	exhibit to Mr. Hoogeveen's testimony.
9	CHAIR LEVAR: Thank you, Mr. Moscon.
10	If anyone objects to that motion, please
11	unmute yourself and indicate your objection.
12	I'm not seeing or hearing any objections, so
13	the motion is granted. Thank you.
14	MR. MOSCON: Thank you.
15	BY MR. MOSCON:
16	Q. Mr. Hoogeveen, have you had an opportunity to
17	prepare a summary of your testimony?
18	A. I have.
19	Q. Would you please share that with us?
20	A. Good morning, Chairman LeVar, Commissioner
21	Clark and Commissioner Allen. I appreciate the
22	opportunity to address you in this case.
23	Today, I am here to support the company's
24	commitment to its customers and communities by providing
25	further details regarding our request for return.

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	I will also introduce the company's other
witnesses	in this cost of capital phase proceeding.
	THE REPORTER: I'm sorry, it's still I'm
still havi	ng words missing. I don't know if it's your
microphone	
]	MR. CLARK: Yeah, I can confirm I'm having the
same issue	. It's like words are dropping out.
]	MR. MOSCON: I've got my last suggestion, and
that is, M	r. Hoogeveen, since I've done my part, let's
play music	al chairs and it must be a speaker thing on
your compu	ter. Let's just have you come speak from this
computer,	and I'll move out of the way.
]	MR. CLARK: Because Mr. Moscon, you're
extremely	clear.
]	MR. MOSCON: All right. Thanks again,
everyone,	for allowing us to work through this. So I'm
just going	to let Mr. Hoogeveen do his summary from
there.	
	THE WITNESS: Apologies. Should I start over?
Okay.	
	CHAIR LEVAR: Yeah, why don't you do that.
	Thank you for your patience and flexibility,
to everyon	e. None of this is anyone's fault. So we'll
keep parti	cipating, and we'll keep moving forward.
(	Go ahead.

Thank you, Chairman. 1 THE WITNESS: 2 Good morning, Chairman LeVar, Commissioner 3 Clark, and Commissioner Allen. I appreciate the 4 opportunity to address you in this case. 5 I'm going to pause. Is this okay? Are we okay? 6 Yes, that's great. 7 THE REPORTER: Thank you. THE WITNESS: 8 Okay. Today, I'm here to support the company's 9 10 commitment to its customers and communities by providing 11 further details regarding our requested return on 12 I will also introduce the company's other equity. 13 witnesses in this cost of capital phase of this 14 proceeding. 15 Rocky Mountain Power has had the privilege of 16 providing safe, reliable, and affordable electric 17 service to customers in Utah for over a century. We 18 continually strive to remain one of the lowest cost 19 utilities in the country, and remain actively engaged in 20 finding ways to leverage our vast integrated system for the benefit of customers. 21 22 Since the company's last rate case six years 23 ago, we have undertaken several major capital projects, 24 including new wind resources, repowering our existing 25 wind resources, and adding new transmission and

1 distribution projects.

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In this proceeding, the company is seeking approval of new rates that will allow us to recover our prudently incurred investments since the last rate case, and enable us to move forward to continue meeting the company's desire of providing energy solutions for customers.

8 However, the company recognizes that the 9 backdrop of our rate case is the COVID-19 pandemic, 10 which is not only impacting the health and safety of our 11 customers, but also impacting the economies of the 12 communities we serve.

To that end, the company has made a number of proposals that mitigate the impacts of the company's requested rate increase, most of which will be further explained by Joelle Steward in the hearings next week, but I will address the company's updated requested return on equity, or ROE, here.

Before I talk about the ROE, it is first important to address the health and economic impacts of the COVID-19 pandemic on our Utah customers and communities.

The company stands with its customers and communities to face the challenges presented by the pandemic, and is supporting them in many ways. The

company is working to keep the lights on, which is
 important now more than ever, to support families that
 stay and work from home during the pandemic, and to
 provide electricity to essential services such as
 hospitals.

6 Also, the company suspended residential 7 disconnections for nonpayments beginning in March, and 8 began to resume normal billing practices in late June, 9 with a provision of flexible payment plans, and waived 10 late fees to help customers through these challenging 11 times.

Finally, through the Rocky Mountain Power Foundation, which is funded with shareholder funds, the company has contributed over \$200,000 to local food banks and other critical organizations in Utah, specifically for COVID-19 community support.

The company has been monitoring the impacts of COVID-19 on the economy since it filed its direct case, and as a result, in rebuttal, the company updated its ROE request, decreasing it from 10.2 percent to 9.8 percent, which is the current authorized ROE.

While the company continues to believe the 10.2 percent ROE proposed in its direct case fairly reflects the company's risks, we recognize that, in light of current circumstances, it is reasonable to make

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no change to the ROE of 9.8 percent. 1 A reasonable ROE, such as 9.8 percent, and a 3 strong equity position sends an important signal to the 4 capital markets and ratings agencies as the company invests in the system. An unreasonably low ROE and capital structure, as proposed by certain parties in this proceeding, has the potential to make the company's 7 investments in cost-effective and necessary generation, transmission, and distribution investments more costly for customers. Further, the company has made a concerted effort to proactively and aggressively control the costs that it can, which is demonstrated by the fact that the 14 company last filed a general rate case in Utah in 2014. During this stay-out period, the company continued to invest in its power system, transform its generation resource portfolio, pioneer new energy market that saves customers money and reduces emissions, and adhere to its core mission of providing safe, reliable, and affordable service to customers. 21 In fact, the company's cost control measures have not impacted reliability, as evidenced by the key reliability indices trending downwards, or favorable, 24 since 2013. Allowing the company to maintain its currently authorized ROE will provide it the opportunity

to continue this trend to stay out of rate cases and
 allow it to make necessary investments.

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In summary, the company recommends that the Commission approve the company's requested ROE and capital structure as set forth in rebuttal testimony.

6 The company's cost of capital request is supported by two other witnesses. Ms. Kobliha, 7 PacifiCorp's vice-president, chief financial officer, 8 9 and treasurer, provides the company's overall cost of 10 capital recommendation, including a capital structure to maximize value and minimize risk. Ms. Kobliha will also 11 12 testify on the company's implementation of the Tax Cuts 13 and Jobs Act and pension costs in the revenue 14 requirement hearing next week in this proceeding.

Ms. Bulkley, senior vice president of Concentric Energy Advisors, provides a comparison of the company's business and financial risk compared to peer utilities, recommends a cost of equity, and provides supporting analyses.

Again, I appreciate the opportunity to appear before you this morning. As supported by all the company witnesses, the company's request in this case, as reflected in its rebuttal testimony, are reasonable and consistent with the company's core mission of providing safe, reliable, and affordable service for our

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1	nearly 950,000 customers in Utah, and therefore, I
2	request that the Commission approve our proposed new
3	rates and programs in this proceeding.
4	Thank you. That concludes my summary.
5	MR. MOSCON: Thank you, Mr. Hoogeveen.
б	Mr. Chairman and commissioners, Mr. Hoogeveen
7	is available for any questions or cross-examination.
8	CHAIR LEVAR: Thank you, Mr. Moscon and
9	Mr. Hoogeveen. I'll go to Ms. Schmid first.
10	Ms. Schmid, do you have any questions for
11	Mr. Hoogeveen from the Division of Public Utilities?
12	MS. SCHMID: The Division has no questions.
13	Thank you.
14	CHAIR LEVAR: Thank you.
15	Mr. Moore, do you have any questions for
16	Mr. Hoogeveen from the Office of Consumer Services?
17	MR. MOORE: No questions. Thank you.
18	CHAIR LEVAR: Okay. Thank you, Mr. Moore.
19	Ms. Baldwin, do you have any questions for
20	this witness?
21	MS. BALDWIN: No questions from Walmart.
22	Thank you.
23	CHAIR LEVAR: Okay. Thank you.
24	Mr. Russell?
25	MR. RUSSELL: No questions. Thank you.

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1	CHAIR LEVAR: Okay. Thank you.
2	Mr. Sanger?
3	MR. SANGER: No questions. Thank you.
4	CHAIR LEVAR: Mr. Boehm?
5	MR. BOEHM: No questions. Thank you.
6	CHAIR LEVAR: Thank you.
7	Commissioner Clark, do you have any questions
8	for Mr. Hoogeveen?
9	MR. CLARK: I have no questions. Thank you,
10	Mr. Hoogeveen.
11	CHAIR LEVAR: Thank you.
12	Commissioner Allen, do you have any questions
13	for Mr. Hoogeveen?
14	MR. ALLEN: Thank you. I have no questions.
15	CHAIR LEVAR: Well, thank you. I don't
16	either. So thank you for your testimony this morning,
17	and thank you for your flexibility on trying to find the
18	technological solutions.
19	And we'll go back to Mr. Moscon or Mr. Sabin
20	for your next witness.
21	MR. MOSCON: Thank you, Chairman.
22	MR. SABIN: Okay. Can you hear me okay,
23	hopefully?
24	CHAIR LEVAR: Yes. There's a little
25	background noise, but I think it may have been while you

1 were moving. 2 MR. SABIN: Let's try that again. 3 Does that sound okay? 4 CHAIR LEVAR: I'd say it's pretty good. There's still some background noise somewhere, but --5 6 and I'm hearing myself in the background. MR. SABIN: Okay. Well -- all right. 7 I'm going to slide into Mr. Moscon's chair. Maybe that will 8 9 solve the problem. 10 All right --11 THE REPORTER: You probably need to mute the 12 other one. 13 Great. 14 MR. SABIN: Okay. Is that working? Yes. 15 Okay. 16 CHAIR LEVAR: At this moment, we can see and 17 hear you clearly. 18 This is so much fun. MR. SABIN: Okay. 19 All right. Mr. Chairman, our next witness for 20 the company is Nikki Kobliha. 21 DIRECT EXAMINATION BY MR. SABIN: 22 23 Ms. Kobliha, would you please state your full ο. 24 name for the record? 25 Nikki Kobliha. Α.

1	Q. And what is your
2	A. I can spell it if you want.
3	Q. Yeah, would you please spell it for the court
4	reporter? Thanks.
5	A. N-i-k-k-i. Last name, K-o-b-l-i-h-a.
6	Q. Okay. Thank you.
7	Would you please state your title with the
8	company, and just give a brief description of your
9	duties?
10	CHAIR LEVAR: Mr. Sabin
11	THE WITNESS: I'm the chief financial
12	CHAIR LEVAR: I'm sorry, Ms. Kobliha. How
13	about if I swear you in quickly?
14	MR. SABIN: Oh. All right. Yes. Thank you.
15	CHAIR LEVAR: Thank you.
16	Ms. Kobliha, do you swear to tell the truth?
17	THE WITNESS: Yes, I do.
18	CHAIR LEVAR: Okay, thank you for sorry for
19	the interruption.
20	MR. SABIN: No, no, no. That was my fault.
21	BY MR. SABIN:
22	Q. Ms. Kobliha, would you please state your title
23	and give a brief description of your duties?
24	A. I am chief financial officer for PacifiCorp,
25	and I deal with all aspects of the finances of the

1	company.
2	Q. Ms. Kobliha, Have you submitted both direct
3	and rebuttal testimony in this proceeding?
4	A. Yes, I have.
5	Q. And I have that as you submitting direct
6	testimony with attached exhibits NLK-1 through NLK-6,
7	and then rebuttal testimony with exhibits NLK-1R through
8	NLK-2R. Is that correct?
9	A. Yes.
10	Q. Do you have any corrections to any of that
11	testimony you've submitted?
12	A. No, I do not.
13	Q. And if you were asked the same questions set
14	forth in that testimony, would you respond in the same
15	way today?
16	A. Yes, I would.
17	MR. SABIN: Okay. Mr. Chairman, I move for
18	the admission of Ms. Kobliha's direct and rebuttal
19	testimony, with the exhibits I referenced.
20	CHAIR LEVAR: Thank you.
21	If anyone objects to this motion, please
22	unmute yourself and indicate your objection.
23	I am not seeing or hearing any objections, so
24	the motion is granted. Thank you.
25	MR. SABIN: Thank you.

Ms. Kobliha, have you prepared a summary of 0. your testimony for today's hearing? Α. Yes, I have. Would you please go ahead and share that now? ο. Thank you. Α. Yes. Good morning, Commissioners. Thank you for the opportunity to be here today to provide a summary of my direct and rebuttal testimony related to the cost of capital position of this case. I will also be here during the revenue requirement phase to discuss pension issues, so will not be addressing those items today. My testimony discusses the cost of debt, cost of preferred stock, the company's proposed capital structure, and the overall cost of capital. Ms. Bulkley is testifying on the cost of equity, and I used her recommendation in determining the company's overall cost of capital at 7.48 percent. As I discuss in my direct and rebuttal testimony, I calculated the cost of debt using the methodology relied on in the company's previous Utah rate cases, which calculates a bond yield to maturity on all currently held debt, and any debt forecast to be issued during the test period, and removes the impact of

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BY MR. SABIN:

1 any debt schedules to mature.

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The cost of debt also looks at the cost associated with the company's variable-rate long-term debt, which were updated in my rebuttal testimony refecting the recent decline in rates. There is no disagreement among parties about the company's cost of debt or cost of preferred stock.

8 As it relates to the capital structure, the 9 company generally finances its regulated utility 10 operations using a mix of debt and equity of around 48 11 and 52 percent, respectively. However, during periods 12 of significant capital expenditure, as expected now 13 through at least 2023, the company will need to maintain 14 an average common equity level in excess of 52 percent.

In this rate case, I am recommending an equity level of 53.67 percent, which I expect will enable the company to maintain its current credit rating. A solid credit rating directly benefits customers by reducing the immediate and future borrowing costs relating to the financing needed to support continued investment and infrastructure that provides safe and reliable service.

Lower rating equates to higher risk and a higher cost of debt. My direct testimony provides examples of lower-rated entities who had challenges accessing the debt capital markets during the Great

Recession, and how those who could access the market 1 2 paid higher rates for their borrowing than the company 3 did at the same time. 4 The calculation of the 53.67 percent common 5 equity is based on a five-quarter average of the capital balances through December 31, 2021, the end of a test 6 7 period in this case. This method has been accepted by the Commission in the last several rate cases. 8 9 I believe the averaging of guarter-end 10 balances smoothes volatility in the capital structure, 11 which will fluctuate as the company issues debt or pays 12 The average provides the best view of the dividends. 13 company's capital structure over time. 14 Office of Consumer Services' witness, 15 Dr. Woolridge, is the only party who opposes the 16 company's proposed capital structure, and instead 17 recommends a hypothetical capital structure with an 18 equity component of 50 percent. I disagree with this 19 recommendation for several reasons. 20 First, a 50 percent hypothetical capital 21 structure is contrary to the five-quarter average 22 balanced approach that has been utilized in the 23 company's past rate cases. 24 Second, it does not consider the company's 25 significant capital expenditure cycle, which will

continue at least through 2023, and require thicker equity levels in order to maintain strong credit ratings and have consistent access to capital markets at a reasonable cost. As explained in detail in my rebuttal testimony, weakened credit metrics and increased risk of credit downgrade will occur if the company is financed with 50 percent equity.

8 Third, it does not consider the impact that 9 the Tax Cuts and Jobs Act has on the company's credit 10 measure, which have not been fully realized and are 11 being considered as part of this case.

Fourth, it is not comparable to the capital structures of the utility operating company proxy group presented in Exhibit RMP AEB-11 prepared by Ms. Bulkley, the mean of which is 52.73 percent, a level comparable to the company's proposed 53.67 percent.

Dr. Woolridge instead suggests the capital structure of the holding companies included in the proxy group are a better comparison, to which I disagree, given holding companies often have nonutility investments that influence their financing practices and objectives.

Fifth, the 50 percent hypothetical level contemplates short-term debt, which the company believes is inappropriate, as it double counts short-term debt as

financing both rate base and construction work in 1 2 Short-term debt is not a permanent source of progress. 3 financing in the company's rate base, and instead the 4 company seeks to match the funding source duration with the long-life nature of its assets. 5 6 Finally, the 50 percent hypothetical equity level assumes some amount of debt held at PacifiCorp's 7 parent company, Birkshire Hathaway Energy, is used to 8 9 finance the equity in PacifiCorp. PacifiCorp finances 10 its own operations through issuance of long-term debts 11 and cash from operations, not through regular equity 12 contributions from its parent company. 13 For those reasons, I disagree with the use of 14 a 50 percent hypothetical capital structure. 15 In conclusion, I recommend a cost of debt of 16 4.79 percent, a cost of preferred stock of 6.75 percent, 17 and an equity component of a capital structure at 53.67 18 percent, all, when combined with Ms. Bulkley's cost of 19 equity, results in an overall cost of capital of 20 7.48 percent. 21 That concludes my summary. 22 Thank you very much, Ms. Kobliha. MR. SABIN: 23 Mr. Chairman, Ms. Kobliha is now available for 24 questions or cross-examination. 25 CHAIR LEVAR: Thank you, Mr. Sabin.

1	Ms. Schmid, do you have any questions for
2	Ms. Kobliha?
3	MS. SCHMID: The Division has no questions for
4	Ms. Kobliha. Thank you.
5	CHAIR LEVAR: Ms. Schmid.
6	Mr. Moore?
7	MR. MOORE: Yes, I have some questions.
8	CROSS-EXAMINATION
9	BY MR. MOORE:
10	Q. First, Ms. Kobliha, do you have the copy of
11	the exhibits that the OCS sent out this morning?
12	A. I believe I do. I have a stack over here that
13	someone handed to me.
14	Q. All right. Thank you.
15	Isn't it true that since your direct testimony
16	in April of 2020, PacifiCorp has issued approximately
17	\$1 billion worth of long-term bonds?
18	A. The company issued that in April.
19	Q. Sorry.
20	Does the company does this affect the
21	company's actual capital structure?
22	A. Yes, it does.
23	Q. It's true that the credit rating considers the
24	actual capital structure in granting credit ratings;
25	that's consistent with your testimony, correct?

Yeah, the rating agencies will look at our 1 Α. 2 published financial statements, look at actual data or 3 whatever the latest information is that's available, 4 when they issue their rating in order to do their calculation of their metrics and determine our rating. 5 What is the actual capital structure at the 6 Ο. time of this hearing? 7 The percentage, I believe, is somewhere in the 8 Α. 51 percent. I think the point, though, with this rate 9 10 case is we actually are forecasting through a 2021 time 11 period, and the 2021 time period has us going up to that 12 53 percent in order to maintain our credit metrics. And 13 I have some good data in my rebuttal testimony that talks about the impacts of a lower threshold that we can 14 15 go to, and it gets into some confidential issues if we 16 need to go there. 17 ο. Just asking what your capital structure is 18 today. 19 Is it true that the timing of the issue of the 20 \$1 billion worth of bonds was influenced, to some 21 degree, by the low interest rate environment existing at 22 the present time? 23 Α. The timing of it actually was influenced by 24 what was happening with the pandemic. You know, low

25 rates, of course, are something that we're always

1	looking for. But, you know, with the concern if you
2	recall, back in that March time period, you know, the
3	volatile market, and not all parties being able to issue
4	debt, we opted to go to the market and issue the billion
5	dollars, which we are needing as we look at the capital
6	spend that we have for our significant wind investments
7	here for the course of this year.
8	So the timing I think the bigger issue
9	really was around the concern of liquidity for the
10	company.
11	Q. In preparing for your testimony, have you
12	reviewed the surrebuttal testimony of Professor
13	Woolridge, who is testifying for the OSC in this matter?
14	A. Yes.
15	Q. I'm going to direct your attention to OCS
16	Cross Exhibit 1, which is a copy of page 11 of Professor
17	Woolridge's surrebuttal testimony.
18	CHAIR LEVAR: Okay. Why don't we
19	THE WITNESS: I have that.
20	CHAIR LEVAR: Why don't we take just a moment
21	so we can all have that in front of us.
22	Let me ask if anyone needs more time before we
23	go forward.
24	Okay, go ahead, Mr. Moore.
25	BY MR. MOORE:

Figure 2 shows the amount of capital raised in 1 0. 2 debt and equity in capital markets from 2016 to 2020. 3 Looking at this -- looking at the graphs, 4 isn't it true that the utility industry in general has increased their debt ratio -- or their -- maybe not the 5 debt ratio, but the amount of debt that they are 6 procuring? 7 Yeah, I would agree with that gualification 8 Α. 9 that, you know, this doesn't tell us what the debt ratio 10 is, because, of course, some of those issuance could be associated with maturities, which would have a zero 11 12 impact to the ratio. 13 But yes, I think all companies, not just 14 utilities, is true, trying to have the most 15 cost-effective debt that they have available, and with 16 rates low, you know, we are trying to keep costs low and 17 issue debt when it's necessary and when it will keep us 18 in a good place for our ratings. 19 This actually -- this should actually show a ο. 20 downward pressure on the equity portion of the capital securities and utilities nationwide, shouldn't it? 21 22 I quess I don't agree with that, because the Α. 23 point that we have in terms of what I'm doing to balance 24 my capital structure is relevant to what that could do 25 to my credit rating.

So as a company, I wouldn't necessarily go out 1 and increase our leverage if that was going to put significant pressure on my credit ratings, which I said I -- you know, I have some of that in my rebuttal testimony -- which would result in a downgrade. That downgrade would ultimately cause higher costs for the customers. 7

Yes, but the utility market as a whole, the Ο. graph indicates that they are purchasing more debt. So as a utility market as a whole, would -- it would affect the downward pressure on the equity portion of their portfolio. Isn't that just almost axiomatic from the graph?

Α. I don't agree with that, just because of -new issuances aren't necessarily an increase to the outstanding debt. You know, in our case, we're looking, of course, at maturities. So a maturity will have the opposite effect of that new issuance.

19 So I'm not willing to just say, yes, that 20 means overall the leverage of utility companies is 21 increasing.

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23 On page 16 of Dr. Woolridge's testimony citing 24 Global Market Intelligence, he reports that the average common-equity ratio of electric utilities in 2019 was 25

51.15 percent, which is lower than the 53.6 percent that 1 2 PacifiCorp is requesting. Isn't that true? 3 Α. I don't have that particular page here in 4 front of me, but if that's what it says, then that's what his view was. 5 I think I've talked about the use of operating 6 utility versus the holding company. So I don't know if 7 you're referencing the holding company, but my position 8 9 has been Ms. Bulkley's exhibit, which talks about the 10 average equity component for the utility operating 11 companies, which is the mean of the 52.73 percent. 12 I think you made a mistake there. You stated Ο. 13 that the proxy companies were the holding -- were the operating companies, when in fact, the proxy companies 14 15 are the holding companies. Yeah, my reference to Ms. Bulkley's exhibit is 16 Α. 17 she actually presents the utility companies in her 18 chart, Exhibit AEB-11, and the equity component of the 19 operating companies, which the mean is the 52.73 20 And Dr. Woolridge, I believe, went at the percent. 21 equity at the holding company level. 22 And the holding company level are the proxy ο. 23 companies, because in order to run the models, you need

25 information about the electric -- you need market

financial information, and there are no financial

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information -- there's no market information about the 1 2 operating companies, which are not sold in the market. 3 Isn't that correct? 4 Α. Ms. Bulkley can provide the detail of the gathering of that entire exhibit, but my understanding 5 6 is she does make adjustments to get us to the operating holding company level. But I would defer that question 7 The schedule that I look at, though, does show 8 to her. 9 the equity level of the operating companies, which the 10 mean is the 52.73 percent. 11 And there's a -- there's a low mean in the Ο. 12holding companies, which is the proxy group; isn't that 13 true? 14 Α. The exhibit shows the low, the high, and the I believe the high is in the 60 percent. 15 mean. Τ'd 16 have to look that up here. I have it in my testimony. 17 ο. The mean is lower that the 53 percent of --18 that you're requesting; isn't that correct? 19 I would say the mean is comparable to our Α. 20 53.67 percent that we are requesting. 21 ο. Are you referring to the holding -- you're 22 referring to the operating companies not the holding 23 companies? 24 Α. The operating companies, yes. 25 Q. All right.

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1 Can I direct your attention to Cross 2 Exhibit 2, which is a copy of the S&P Global Market 3 Intelligence dated October 19, 2020, entitled Average 4 Utility Equity Ratio Declines in 2020 Amid COVID Pandemic? 5 6 There's a table on the first page. What does that table indicate the electricity average equity ratio 7 is of June 30, 2020? 8 9 MR. MOORE: Do we want to wait for a minute, 10 Commissioner, for everyone to get hold of the exhibit? 11 CHAIR LEVAR: Thank you, Mr. Moore. 12 Does anyone need a moment before he moves 13 forward? 14 MR. SABIN: I do, Mr. Chairman. Give me one 15 second. I'm just trying to open up his exhibit. 16 THE REPORTER: I'm sorry. This is the 17 reporter. For clarification, was that Mr. Moscon or 18 Mr. Sabin? 19 CHAIR LEVAR: It says on the screen it was 20 Mr. Moscon, but that was Mr. Sabin's voice. 21 THE REPORTER: Thank you. 22 MR. SABIN: Yeah, it was Mr. Sabin. Thank you 23 for asking. 24 Okay, go ahead. 25 BY MR. MOORE:

1	Q. Again, on that table on page No. 1, it has the
2	electric company's equity ratio at 42.5 percent. Do you
3	see that?
4	A. Yes, I do.
5	Q. I'm going to ask you a hypothetical
6	question oh, hold on.
7	I would move to admit the article OCS Cross
8	Exhibit No. 2.
9	CHAIR LEVAR: If anyone objects to that
10	motion, please unmute yourself and indicate your
11	objection.
12	I'm not seeing or hearing any objection, so
13	the motion is granted.
14	BY MR. MOORE:
15	Q. Ms. Kobliha, I'm going to ask you a
16	hypothetical question. It should be easily answered.
17	Assume a hypothetical commission that has a
18	predisposition to set capital structure and ROE at the
19	industry average. Also assume as a hypothetical an
20	industry average capital structure of 50 percent equity
21	and an average ROE of 9.5 percent.
22	Are you with me?
23	A. Sure.
24	Q. Under this hypothetical, utility requests and
25	equity percentage is higher than the industry average.

1 If the commission agrees to grant them a higher than 50 2 percent equity capital structure on the condition that 3 the higher capital structure does not increase the 4 revenue climate, the utility would have to accept a lower ROE below 9.5. Isn't that correct? 5 6 The -- I quess your question appears to be Α. asking the balance of the ROE associated with your level 7 of equity or debt in the capital structure, and as a 8 9 company leverages their position, taking on more debt, 10 then their return should increase. 11 So I'm unclear what you're asking me to say, 12 because, of course, there's lots of other factors to 13 consider, just dynamics that don't necessarily make the 14 hypothetical a straightforward issue. 15 Well, all things being equal, wouldn't you say ο. 16 that to keep a hypothetical revenue requirement common 17 when the cost of -- when the equity percentage increase, 18 the ROE has to decrease? That's how mathematically they 19 work so you can keep the revenue requirement constant; 20 isn't that correct? 21 You cut out a little bit there. Α. I'm sorry. 22 I'm sorry. Let me try again. 0. 23 Can you hear me now? 24 Α. Yes. 25 Okay. Q.

1 To keep the revenue requirement constant, if a 2 utility wants a higher-than-average capital structure, 3 more equity, they'd have to set a lower-than-average 4 ROE. If it's at .5, then it would have to be below 0.5. 5 Isn't that true? 6 I would say in this case, when Ms. Bulkley Α. established the ROE for the company, she considered our 7 53.67 percent along with the mean that we have for the 8 operating companies of the proxy group. So all those 9 10 dynamics have been considered in the establishment of 11 both those numbers in the case of the company. 12 Well, I'm asking a very simple question. ο. And 13 I think the Commission is aware of this, I think 14 everybody is aware of this. There's a relationship between the ROE, the revenue requirement, and the 15 16 capital structure, such that if the capital structure 17 goes up and the revenue requirement stays the same, the 18 ROE has to go down. 19 Wouldn't you believe that that is generally a 20 correct statement? 21 The company and Ms. Bulkley considered all of Α. 22 that when establishing the 53.67 and then her, 23 ultimately, 10.2, which has been changed to the 9.8 out 24 of, you know, consideration to keep it flat from what 25 we're currently in rates today.

1 You're not answering my question. 0. It's a 2 hypothetical question. I'm going to ask it one more 3 time. 4 To keep a revenue requirement equal, and you 5 have a higher-than-average equity ratio, the ROE would 6 have to go down. Do you understand that question? 7 I understand the math behind your question --8 Α. 9 0. Okay. 10 -- and I'm saying that the company has Α. 11 considered all of those factors when establishing its 12 revenue requirement at the 53.67 and the 9.8/10.2 that 13 was originally submitted in our case. 14 You're not going to answer my question, then? 0. I quess I'm providing the position that the 15 Α. 16 company has considered all of those components when 17 establishing this capital structure and, ultimately, 18 cost of capital. 19 I don't want to ask you what the company 0. 20 considered. I'm asking you a hypothetical about the 21 mathematical relationship with the -- cost of -- the 22 rate of equity, the cost of ROE, and the revenue 23 requirement. 24 I'm not going to keep going onto this. You're 25 just not going to answer the question, are you?

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1	A. I believe I've answered the question, yes.
2	Q. All right. Let's move on.
3	CHAIR LEVAR: I'm going to interject,
4	Mr. Moore. I think her answer of, "I understand the
5	math," was pretty close to an affirmative answer to your
6	hypothetical.
7	MR. MOORE: All right. Thank you very much,
8	Commissioner.
9	BY MR. MOORE:
10	Q. Thank you, Ms. Kobliha.
11	Ms. Kobliha, I want to turn your attention
12	testimony on the pension and relating costs, but I don't
13	want to discuss the portion of your testimony I only
14	want to discuss the portion of your testimony that
15	overlaps the capital structure, and that is the interest
16	rates you use and the return on the stock in the pension
17	portfolio. The remainder of your testimony will wait
18	until the revenue requirement.
19	Not getting into how or why, but isn't it true
20	that the interest rate and projected interest rates are
21	important components of your analysis related to the
22	pension?
23	A. In terms of the return in our plan? Is that
24	your question?
25	Q. Yes.

1 Yeah, we, the company, does an assessment Α. 2 based on the investments that it has made in the trust 3 that we have established for our pension, and estimates 4 using -- you know, with feedback from our consultants, what we believe the long-term rate of return will be on 5 the pension plan. 6 Right. 7 0. And you also project interest rates that will 8 9 exist in 2021; isn't that correct? 10 Α. Our interest rate that we established for the 11 pension has more of a long-term view; it's not 12 indicative of next year or the year after. If you look 13 at our history, there's years, of course, where the 14 markets returned 20 percent, when we had projected seven 15 percent, or where it's returned negative 20 percent and 16 we've projected the same thing. 17 So it's not really a projecting next year, 18 it's more of a long-term position. 19 And you projected low interest rates; isn't ο. 20 that correct? 21 Low interest rates -- again, we looked at the Α. 22 mix of our investments that we have in the trust, and 23 said, here is what we think our -- the return will be, 24 the fund manager alpha that we'll achieve in order to 25 come up with the return for those assets.

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1	I don't know if I would say it was declining.
2	It was using that mix of data, and investments, and
3	market information at the time, under advice from our
4	consultants.
5	Q. Isn't it did you base your conclusion about
6	the interest rates at the time the rates will be in
7	effect, which will be the 2021 test year?
8	A. So are we talking still about the pension
9	plan?
10	Q. We're talking about the pension plan. I'll
11	talk about your return on investments later. But I want
12	to talk about your interest rates.
13	You used an interest rate for the discounted
14	rate; isn't that true?
15	A. For our pension plan, the expected return on
16	assets
17	Q. No
18	A we used that long-term
19	Q to determine if you're going to have a
20	pension loss.
21	A. Yeah, so if we're talking about settlement
22	loss
23	Q. Settlement loss. Thank you.
24	A which yeah which is sort of the other
25	piece of the testimony, then yeah, there's several

1	factors that we did, and we actually have a discount
2	rate as you noted, there's a table in my testimony
3	that shows the 2021 discount rate, and we actually held
4	it flat.
5	Q. That's correct.
6	A. So the discount rate assumption was three a
7	quarter for the year-end measurement that we received
8	last year, and we forecasted it would stay at three and
9	a quarter, just because we didn't know what was going to
10	happen.
11	Q. Okay. So you used the interest rate
12	environment as it exists today?
13	A. Yeah, we held it flat. Correct.
14	Q. Okay.
15	Now we'll go into the what is the long-term
16	projected growth of the assets in your professional
17	portfolio? Do you know?
18	A. In the pension I don't have it off the top
19	of my head. I believe it's six and a half or six and
20	three-quarters, but I that would be subject to check.
21	I would want to refresh. I didn't come prepped to give
22	all the details on pension today. Apologies.
23	Q. Okay. Let me direct you to Cross Exhibit OCS
24	No. 10.
25	A. Okay. I'm there.

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1	Q. All right.
2	MR. MOORE: Does everybody else need more
3	time?
4	CHAIR LEVAR: I'm not hearing anyone else need
5	any more time, so go ahead, Mr. Moore.
6	BY MR. MOORE:
7	Q. This is a response to information that must be
8	filed with a rate case pursuant to Rule 746-700-20.
9	On the second page of the exhibit it shows
10	expected long-term growth rate at seven percent; isn't
11	that right?
12	A. You said on the first page that it shows the
13	2018 and 2019 expected long-term rate of return those
14	are both seven percent?
15	Q. Yes.
16	A. Is that your question?
17	Correct.
18	Q. All right.
19	Seven percent growth rate is significantly
20	lower than a 12.12 percent long-term growth rate; isn't
21	that true?
22	A. A 12.12 percent expected long-term rate of
23	return?
24	Q. Yeah. That's much higher than a seven
25	percent.

1	A. Yes, six and seven is lower than 12.
2	Q. Okay.
3	A. I agree with that math.
4	Q. Thank you.
5	Isn't it true, Ms. Kobliha, that a central
6	point of your capital structure testimony is that
7	PacifiCorp needs a high equity ratio, 53.6 percent, in
8	order to maintain the company's high credit rating of A
9	according to S&P, and A3 according to Moody's? Did I
10	get those numbers correct?
11	A. Yes, those are the Moody's and S&P ratings.
12	Q. Now, it's also true that the rating agents
13	look at a host of factors in addition to capital
14	structure in making the determination regarding credit
15	ratings?
16	A. I have a paragraph in my testimony that
17	discusses the key indicators that Moody's and S&P look
18	to of which the cash flow you have CFOs, FFO to debt,
19	I can define all that ratio. You know, in excess of 20
20	percent is one of the key measures that they look to,
21	along with things such as, you know, regulatory support
22	and continuing to finance the company at the level that
23	currently exists.
24	So I do have all that in the testimony, if you
25	want to look to it.

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Q. That's right.

The credit agency, as you say, consider the regulatory environment in making their determinations, correct? I believe you just said that.

A. Yep. There's a paragraph in there that says that it considers regulatory support.

Q. Isn't it true that credit agencies consider current planned capital expenditures in making the determination of a credit rating?

A. The typical look is they're looking at our actual position at a point in time. So the -- I'll use Moody's. And I'm only talking of Moody's, because Moody's is the lower rated of our two entities. So I'd like to stick to that -- or the lower ratings. So I'll stick to that.

16 But yeah, they consider our financials at a 17 point in time, and then they're looking at what does our projection look like for capital expenditure, which we 18 19 disclosed in our 10-K, with -- the primary factor there 20 is them calculating our CFO-to-debt ratio, and as long 21 as it's on, you know, a -- for a period of time, in 22 excess of the amount that they see, which that -- we 23 didn't call confidential, 20 percent, then that is a key driver for them to not downgrade the company. 24

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Q. Isn't it true that at present -- isn't it true

1	that at present, your credit agencies consider the
2	regulatory environment in Utah, PacifiCorp's current
3	planned capital expenditure, and the current equity
4	ratio at 51.79 percent, and has given PacifiCorp
5	superior credit ratings for the past three years?
6	A. The issue there is the past versus the future.
7	So if you look on my rebuttal testimony, page 7, I do
8	some calculations that show if we use our 51.76
9	percent or it actually is calc'd on a 51.6 percent
10	equity level that are the FFO-to-debt, which is
11	the important metric, will decline below the threshold
12	that Moody's has indicated. Again, we start to get a
13	little bit into some confidential items.
14	So in order for
15	Q. I don't want you to say any confidential
16	stuff.
17	A. Yeah, I'm trying not to.
18	So in order to, you know, negate that impact,
19	then, you know, an improvement or a favorable regulatory
20	support, which would support a return on equity and
21	funding of a company operation on a reasonable basis,
22	would help boost that calculation.
23	That's sort of where the regulatory support
24	comes into play, is its impact that it would have on the
25	metrics that I refer to for Moody's.

But it's true, isn't it, that you have a 1 0. superior credit rating, and that the credit rating 3 agencies have looked at your regulatory environment and 4 your capital expenditures, and given you that high credit rating? And isn't it also true that that high 5 credit rating makes -- is a determination from the 6 credit rating agencies that Rocky Mountain Power is less 7 risky than a company or utility or group of utilities 8 9 with a lower credit rating?

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10 Α. Our historical ratings have been, as you know, 11 the A3 from Moody's and the A1 from S&P, and it doesn't 12 fully reflect what we're seeing here in the future with 13 this significant growth cycle, which is why we're 14 requesting the thicker equity in order to shore up and 15 maintain that strong credit metric calculation, which is 16 weakened in this time period because of the capital 17 spend and because of the impact of tax reform.

18 As a general statement -- and this should be 0. 19 easy again -- a high credit rating means you're less risky than a company with a lower credit rating, or a 20 21 group of companies with a lower credit rating, 22 correct?

23 Α. The credit rating is associated with the 24 position of your debt. So the risk on the default, or 25 debt, is less risky for a higher-rated company than the

1	lower-rated company.
2	MR. MOORE: Thank you very much. I have no
3	further questions.
4	CHAIR LEVAR: Thank you, Mr. Moore.
5	I'll go to Ms. Baldwin next. Do you have any
6	questions for Ms. Kobliha?
7	MS. BALDWIN: I have no questions on behalf of
8	Walmart.
9	CHAIR LEVAR: Okay. Thank you.
10	Mr. Russell, do you have any questions?
11	MR. RUSSELL: No questions for this witness in
12	this stage of the proceedings. Thank you.
13	CHAIR LEVAR: Okay. Thank you.
14	Mr. Sanger?
15	MR. SANGER: No witness no questions, your
16	Honor.
17	CHAIR LEVAR: Thank you.
18	Mr. Boehm?
19	MR. BOEHM: No questions, your Honor.
20	CHAIR LEVAR: Commissioner Allen, do you have
21	any questions for Ms. Kobliha?
22	Oh, wait. Sorry. I'm a little premature.
23	Let me go back to Mr. Sabin for any redirect.
24	MR. SABIN: Thank you, Mr. Chairman. I have
25	just a couple of questions.

1	REDIRECT EXAMINATION
2	BY MR. SABIN:
3	Q. Ms. Kobliha, could you turn back to OCS Cross
4	Exhibit No. 2, that S&P Global Market Intelligence
5	document that you had?
6	A. Yes.
7	Q. Could you look at the second full paragraph on
8	page 1, where the it starts with the capital
9	structure data. Would you just read that paragraph
10	or the first couple of lines of that paragraph into the
11	record?
12	A. Yes, I will.
13	"The capital structure data contained in this
14	analysis is derived from an October 2nd study of utility
15	parent company financials."
16	Q. Okay. And so you made a distinction with
17	Mr. Moore when he was asking you questions about your
18	capital proposed capital structure versus
19	Mr. Woolridge's proposed capital structure.
20	Could you please explain for the Commission
21	the figures that we're looking at in this S&P Global
22	Market Intelligence what is the significant of the
23	fact that the study is based on utility parent company
24	financials rather than operating company financials?
25	A. Yes, great distinction. As I've noted, the

comparable capital structure that we've been looking at 1 2 for our proxy group is at the operating company level 3 versus the parent company level. And there's actually 4 some quotes in my rebuttal testimony that refer to, at the parent company level, those entities could have 5 nonutility investments, you know, nonregulated entities 6 or some other arm of their company, which will influence 7 their overall financing decisions, and ultimately could 8 9 be reflected in a capital structure that is lower than 10 what would be for an operating utility company, which is, of course, PacifiCorp in this case, and the several 11 12 that we note in that proxy group we display in 13 Ms. Bulkley's exhibit.

Q. So, for example, if an operating -- if a holding company or a parent corporation has business entities, subsidiaries, or affiliates that are not utility in nature, what impact do you -- are you suggesting that that somehow impacts the accuracy of that comparison?

A. Yes, I believe that the parent company level,
the holding company level, could grab in other factors
that aren't comparable to the operating utility
companies.

24 Q. Okay. And the data that you and Ms. Bulkley 25 reviewed for purposes of calculating your capital

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structure, or your proposed capital structure, did it 1 2 only include operating companies that were utility 3 companies, and excluded all other nonutility-like 4 relationships? Yeah, the comparison I referred to makes 5 Α. adjustments to get to the operating utility company 6 level, so that it is comparable to PacifiCorp. 7 8 0. Okay. Would you now read the second line of that 9 10 second paragraph in OCS Cross Exhibit 2? 11 The one starting, "We note"? Α. 12 0. Yes. 13 "We note that the overall equity ratio decline Α. 14 is consistent with the general slippage in parent company financial measures that are detailed in the 15 16 October 2nd study." So the equity ratio decline they're reflecting 17 ο. in this document, do you have an understanding of --18 19 that it is related to the slippage in parent company 20 financials or operating company financials? 21 As it says here, parent company financials. Α. 22 Now if I could have you look at the second 0. 23 page of this document, under the chart that is -- the 24 chart is called "Utilities with largest equity ratio 25 decreases and increases." There's a paragraph right

1 below that, that starts with "Regarding." Do you see 2 that? 3 Α. Yes. 4 Could you read that paragraph, please, into 0. 5 the record? 6 Α. "Regarding those companies that posted the largest declines in their common-equity ratios, OGE 7 Energy Corp. recorded an impairment charge in the second 8 9 quarter related to its investment in Enable Midstream 10 Partners LP. OGE holds a 25.5% limited partner interest 11 and a 50% general partner interest in Enable Midstream 12 Partners." 13 Do you want me to keep going? 14 Let's just stop there for a minute. 0. 15 Α. Okay. 16 I'm going to seize on the -- on this guestion 0. 17 of impairment charges. Do you have an understanding of 18 what impairment charges are? 19 Α. Yes. Could you please explain for the Commission 20 0. 21 what this is -- paragraph is referring to when it's 22 discussing impairment charges incurred by these -- some 23 of these entities during the second quarter? 24 Α. Sure. An impairment charge is typically if a 25 company has an investment or an asset on its financial

statement and it has lost value, the accounting rules 1 require assessment of that, and it looks like they took 2 3 a hit to their income statement, a loss on their income 4 statement, for this investment in this partnership. So if those impairment charges -- because 5 ο. there are impairment charges that are included in the 6 figures that are reported in this S&P Global Market 7 Intelligence report, what impact would that have had or 8 9 could that have had on the numbers that Mr. Moore was 10 asking you about, these equity ratios? 11 Α. The impairment charge ultimately makes its way 12 to the common equity. You know, as I referred to the 13 company's equity of the 53.67 percent, it ultimately 14 hits that component of the balance sheet and would 15 reduce it or drag it down. So that could be, you know, 16 a factor, or should be a factor in the math that would cause their -- the capital structure to decline, the 17 18 equity component to decline. 19 Do you see anything in this document that 0. 20 would reflect the equity ratios of these entities 21 without the impairment -- with the impairment charges 22 removed or factored out of the analysis? 23 It does not appear to make any adjustments. Α. 24 0. Okay. Without those adjustments, is the

equity ratio figure -- are the equity ratio figures --

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could you compare them on an apples-to-apples basis with 1 2 anything you or Ms. Bulkley has done in this matter? 3 Α. No, because it does, as we've said, a couple 4 things. It's grabbing that parent company level, which 5 includes investments, as we note, that are not operating utility company related. So it would be challenging for 6 us to compare that to PacifiCorp. 7 8 0. Okay. I want to move on to just another topic 9 10 briefly. Mr. Moore asked you about the debt equity 11 structure you've proposed, and at one point he asked you 12 about the impact that the debt and equity ratio could 13 have on your credit ratings with the credit ratings 14 agencies. 15 I would just ask you if you could explain, if 16 your debt and equity ratio ends up being too low -- as 17 you look forward into what the company is going to be doing in the coming years, in the test period and out 18 19 into 2021 and 2022, if it's too low, what is the impact or what could be the impact of that on your business 20 21 operations going forward?

A. Yeah. Ultimately, if it's too low and the company is unable to meet the metrics as outlined by the rating agencies, that would -- it's very possible that we could see a downgrade in our ratings from, you know,

1 Moody's and S&P. Like I said, I'll focus on Moody's, 2 since it's already the lower-rated -- lower rating for 3 the company. 4 It just ultimately causes costs to go up. The best position -- you want a strong utility with high 5 6 ratings, because when we go out into the market and purchase a billion dollars in bonds, like we did here in 7 April, we obviously want it to be the least cost debt 8 9 that we can procure, and if we have a lower rating, 10 those costs are going to go up. 11 My direct testimony actually does cite some 12 examples where, in a time period that the company was in 13 the market -- the Great Recession, great example -- that 14 we were able to issue debt, and actually issue it cheaper than other lower-rated entities at that point in 15 16 time, so that we can continue to fund our operations, 17 you know, that -- maintaining that reliable and safe 18 power for -- safety for the company and customers. 19 And you used the quote -- in response 0. Okay. 20 to one of Mr. Moore's questions, you talked about -- and 21 this is your phrase. It was -- you used the word that 22 you'll be in a "significant growth cycle," in your 23 estimate.

24 Could you please describe what you mean by a 25 "significant growth cycle," and what that has to do with

1	your capital proposed capital structure?
2	A. Yeah, the significant growth cycle is
3	referring to the capital expenditures that we're
4	having that we've had since about the 2019 period.
5	If you look at our past capital expenditures
6	from about the 2013 time period, or when we were last in
7	a case, our capital our annual capital expenditures
8	were only about a billion dollars. I say "only," only
9	because it is significant now, here in 2019, 2020, 2021,
10	and through the future.
11	So that added capital expense means that we'll
12	be going to the debt market more regularly in order to
13	continue to fund that growth, which is why the those
14	ratings are so important to us. We want to make sure
15	that we are higher rated, that we can continue to access
16	the market and get the cheapest debt possible.
17	Q. Okay.
18	And then finally, your anticipated increase in
19	capital spend, is that are you going through a period
20	that you would describe as an average capital spend, a
21	higher-than-normal capital spend, or a lower-than-normal
22	capital spend?
23	A. Looking at our past number of years, I would
24	say we are in a higher growth cycle than what we would
25	typically see, because of the, you know, transformation

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1	of our system for the renewables. You know, the
2	repowering project, the new wind, the associated
3	transmission. And all of that you can see depicted also
4	in the IRP that's been issued here in the last couple of
5	years, with the additional capital build cycle that
б	we're expecting to occur.
7	MR. SABIN: Okay. Thank you, Ms. Kobliha.
8	I don't have any further questions,
9	Mr. Chairman.
10	CHAIR LEVAR: Thanks, Mr. Sabin.
11	I'll go back to Mr. Moore now. Mr. Moore, do
12	you have any recross?
13	MR. MOORE: Just real quickly.
14	RECROSS-EXAMINATION
15	BY MR. MOORE:
16	Q. I have to apologize, Ms. Kobliha, I don't
17	remember your testimony. You mentioned apples-to-apples
18	comparison. I asked you before, is it an
19	apples-to-apples comparison to use the holding companies
20	to determine your ROE and the operating companies to
21	determine your capital structure, and I believe you
22	pushed that question off to Ms. Bulkley. Is that
23	correct?
24	A. I think when it comes to the relationship of
25	the capital structure and how that translates into

1	establishing the risks, Ms. Bulkley has more detail and
2	could address that.
3	My point is as I look at the capital structure
4	and its comparison, the comparable entities, from my
5	perspective, really are the operating companies. And
6	then, like I said, she'll be able to make the further
7	connections with the ROE itself.
8	MR. MOORE: All right. Thank you.
9	I have no further questions.
10	CHAIR LEVAR: Thank you, Mr. Moore.
11	If any of the other attorneys in this hearing
12	have any recross questions, please indicate to me that
13	you do.
14	I'm not seeing any, so I'll go to Commissioner
15	Allen. Do you have any questions for Ms. Kobliha?
16	MR. ALLEN: No questions. Thank you.
17	CHAIR LEVAR: Thank you.
18	Commissioner Clark?
19	MR. CLARK: I have no questions. Thank you
20	very much.
21	CHAIR LEVAR: Okay. Thank you.
22	And I do not either. So thank you for your
23	testimony Ms. Kobliha.
24	THE WITNESS: Thank you.
25	CHAIR LEVAR: Mr. Sabin or Mr. Moscon, you can

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1	call your next witness.
2	MR. SABIN: Mr. Chairman, I'm going to let
3	Mr. Moscon slide back into his seat, and he'll call
4	Ms. Bulkley.
5	MR. MOSCON: Thank you. As you may have
6	deduced by now, we have one computer that, for whatever
7	reason, seems to be synced up to the proceeding, and so
8	we're playing a little bit of musical chairs here. So I
9	appreciate the patience of the Commission and the
10	parties.
11	DIRECT EXAMINATION
12	BY MR. MOSCON:
13	Q. As indicated, our next witness is Ms. Ann
14	Bulkley. I see that she's there. So I will turn and
15	ask Ms. Bulkley to please, for the record, state your
16	name and spell the last name for the court reporter, if
17	you could.
18	A. Sure. My name is Ann Bulkley. The last name
19	is spelled B-u-l-k-l-e-y.
20	Q. Okay. And Ms. Bulkley, have you previously
21	testified before this Commission?
22	A. No, I have not.
23	CHAIR LEVAR: Excuse me, Mr. Moscon. Sorry.
24	Why don't I swear in the witness briefly?
25	MR. MOSCON: Sure. Thank you.

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1	CHAIR LEVAR: Thank you.
2	Ms. Bulkley, do you swear to tell the truth?
3	THE WITNESS: I do.
4	CHAIR LEVAR: Okay. Thank you.
5	Sorry for the interruption.
6	MR. MOSCON: No, and I in fact, I
7	appreciate that, and I apologize you have to keep
8	reminding me. Thank you.
9	BY MR. MOSCON:
10	Q. Ms. Bulkley, because you have not testified,
11	before we get to a summary, could you please just
12	briefly identify for the Commission a little bit of your
13	background and your experience generally in this field?
14	A. Sure. My educational background is an
15	undergraduate degree in economics and finance, and a
16	graduate degree in economics from Boston University.
17	I've spent about 25 years in consulting to the
18	utilities industry, and about probably 15 of those
19	years related to the development of the cost of capital.
20	And I have testified on this topic approximately 50
21	times.
22	Q. Okay.
23	Now, Ms. Bulkley, you prepared testimony to be
24	filed in this proceeding; is that correct?
25	A. Yes, that's correct.

1	Q. That was both direct and rebuttal?
2	A. Yes.
3	Q. Are you aware of any corrections that would
4	need to be made to your testimony, as you sit here?
5	A. No, I'm not.
6	Q. If I were to ask you the same questions as
7	contained in that, would your answers be the same as
8	contained in your testimony?
9	A. Yes, they would.
10	Q. Okay.
11	And with your testimony, you had some
12	attachments and exhibits that in your direct, it was
13	AEB-1 through AEB-11, and in your rebuttal we had AEB-1R
14	through AEB-11R. Do you agree that reflects the exhibit
15	that were attached to your testimony?
16	A. Yes, I believe that's correct.
17	MR. MOSCON: Mr. Chairman, I would move for
18	the admission of the direct and rebuttal testimony of
19	Ms. Bulkley, together with the exhibits annexed thereto.
20	CHAIR LEVAR: If anyone objects to that
21	motion, please unmute yourself and indicate your
22	objection.
23	I am not seeing or hearing any objections, so
24	the motion is granted. Thank you.
25	MR. MOSCON: Thank you.

1	BY MR. MOSCON:
2	Q. Now, Ms. Bulkley, I know that the testimony
3	that you prepared is somewhat complicated, and so I'm
4	going to ask you to prepare a or to give a summary of
5	your testimony to the Commission, and invite you, if you
6	need to refer to any specific charts or diagrams, to do
7	so, if that's of use to you. But I'll please share a
8	summary of your testimony, if you have one.
9	A. I do, yes. And I'll see if I can work this to
10	include a presentation as well. Just one moment.
11	Let's see. Sorry for the delay.
12	Hopefully, that's can folks see that
13	presentation screen yet?
14	CHAIR LEVAR: I can see it. I don't know if
15	everyone can
16	MR. CLARK: This is Commissioner Clark. I can
17	see it.
18	THE WITNESS: Just to make sure that the
19	correct thing is showing, because I can't see the screen
20	that's being presented so what I am intending to
21	present at least this first slide says DT, which is
22	intending to represent "direct testimony," Figure 2:
23	S&P 500 Index - Daily Price Change - January through
24	March 2020.
25	BY MR. MOSCON:

1	Q. Yeah, I'll represent that it is up and that's
2	what we're seeing.
3	A. Okay. Excellent. That's helpful. Thank you.
4	Mr. Chairman and commissioners, thank you for
5	the opportunity to provide you with a summary of my
6	direct and rebuttal testimonies in this proceeding.
7	My testimony addresses the appropriate return
8	on equity and capital structure for Rocky Mountain
9	Power. In my direct and rebuttal testimonies, I
10	consider many factors in the development of the range of
11	returns and my recommendation for the appropriate ROE
12	for Rocky Mountain Power. Those factors include:
13	Current and expected market conditions, credit and
14	equity analyst expectations, the appropriate comparison
15	and proxy group to be used in the analytical models used
16	to develop cost estimates, multiple ROE estimation
17	models, and business risk factors that are unique to
18	Rocky Mountain Power in this jurisdiction as compared
19	with the proxy companies.
20	My testimony discusses the importance of
21	considering all of these factors, and in particular, the
22	results of multiple ROE estimation models. Market
23	conditions affect the assumptions used in the ROE

Therefore, as I have discussed in 1 may be more robust. 2 my testimony, it's important to review the results of a 3 number of models to develop the range of the cost of 4 equity.

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As noted in my testimony, one factor that's important to consider is capital market conditions, and to understand the impact of changes in these conditions on the industrial required return on equity. Consideration of these factors is consistent with the Commission's views in the recent DEU general rate case.

11 My direct and rebuttal testimonies provide an overview of current capital market conditions, and how 13 those conditions have changed from the time my direct 14 and rebuttal testimonies were prepared. In addition, my rebuttal testimony provides some context for how current market conditions differ from the conditions when the company's last case was decided in 2014.

The analyses presented in Attachment 1 to 18 19 Mr. Coleman's surrebuttal testimony, which was prepared 20 by Duff & Phelps, supports the issues that I've 21 addressed in my direct and rebuttal testimony with 22 respect to recent market conditions.

23 Figure 2 of my direct testimony -- which I'm 24 showing currently -- demonstrates the volatility that 25 occurred in the market in February and March, and which

1	was embedded in the data that was relied upon in the
2	model that I used in my direct testimony. Furthermore,
3	this chart also demonstrates how abruptly the market can
4	change, without warning, and the risk that this creates
5	for equity investors.
6	Hopefully you've seen the picture change on
7	the presentation.
8	Q. We have.
9	A. Excellent.
10	Figure 3 in my direct testimony shows that the
11	Chicago Board Options Exchange mixed index, which is a
12	measure of the market's expectations with respect to
13	volatility and is often referred to as the fear index,
14	surpassed the level that was seen in 2008 and 2009's
15	financial market collapse.
16	Again, it's noteworthy that this spike
17	occurred without warning, after the VIX had maintained a
18	relatively moderate level for a period of years.
19	Figure 4, which I'll show briefly, from my
20	direct testimony, and also Figure 5 in my direct
21	testimony, summarize changes in the market sentiment
22	with respect to economic policy uncertainty and equity
23	market volatility. In each case, these indices were
24	either at all-time highs or remarkably high levels.
25	Finally, from my direct testimony, Figure 6

1 shows the yield on the ten-year Treasury bond. While 2 the fed has already been managing the ten-year Treasury 3 bond yield in response to international commerce 4 concerns -- which were sort of noted throughout this chart -- during the period from late February to late 5 March, the yield on the ten-year Treasury demonstrated 6 significant volatility, which is shown in red in this 7 chart. 8

Each of these indicators demonstrates that market conditions have been unstable, and that the risks to holding equity have been higher than in periods prior to the pandemic.

13At the time that I prepared my rebuttal14testimony, I updated some of the market conditions15charts.

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Looking at Figure 4 from my rebuttal testimony, which hopefully you're seeing, demonstrates how -- the changes in the VIX over time, and demonstrates that in 2014, the VIX was at an average of about 15 to 19 -- this is at the time of the company's last rate decision -- where the historical average for the VIX is typically about 20.

The VIX in the current period was 80 in March, and at the time of my rebuttal testimony, was in the 30 to 40 range when that testimony was prepared, which was

following unprecedented intervention in the markets by
 the Federal Reserve and the U.S. Treasury.

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The relevance of these conditions appears not to be disputed by Mr. Coleman. In his surrebuttal testimony, Mr. Coleman references a Duff & Phelps report which recognizes the importance of all of these same indicators.

Credit rating agencies have also weighed in on 8 9 the utilities industry and its performance over current 10 market conditions. In April 2020, S&P downgraded its 11 outlook for the industry as a whole. S&P noted that 12 prior to the COVID-19 outbreak, 25 percent of utilities 13 had negative outlooks or ratings that were on credit 14 watch, with negative implications. Furthermore, S&P 15 noted that many utilities with a stable outlook had 16 minimal financial cushion at the current rating level, 17 and S&P expected the pandemic to weaken the industry's 18 FFO-to-debt ratios.

Dr. Woolridge notes that utilities accessed the capital markets in the pandemic, including both debt and equity markets. While Dr. Woolridge notes that utilities took advantage of low-cost debt, which is undoubtedly brought about through the unprecedented federal intervention that occurred in March, he neglected to mention that the equity markets were not 1 nearly as beneficial.

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As is shown on the current chart that I'm presenting, this chart compares the S&P Utilities Index to the S&P 500. The S&P Utilities Index experienced the same market correction in February and March that the overall markets saw, but has not rebounded as the overall market has. In fact, the S&P Utilities Index is down 16 percent for the year as of September.

9 In my direct and rebuttal testimony, as I 10 mentioned earlier, I relied on many ROE estimation 11 models: The DCF, the CAPM, the bond yield risk premium, 12 and an expected earnings model.

13 Figure 1 in my testimony, which I'm showing 14 now, summarizes the results of those models. As shown 15 in the figure, the range of results was about eight and 16 a half percent, to a high of about 12.3, and within that 17 range I concluded that the appropriate range for the 18 cost of equity would be 9.75 to 10 and a quarter 19 percent. Within that range, I selected 10.2 percent as 20 a reasonable return for Rocky Mountain Power.

In my rebuttal testimony, I updated those results. The higher end of the range of the DCF increased. The most significant increases that we saw were in the CAPM, due to the fact that the betas for the proxy groups -- companies were -- had increased significantly due to the volatility experienced in the
 market and that I showed in a couple -- the slide prior.
 This slide here.

4 The reasons why these results change is an important consideration. Beta is a measure of the 5 relative volatility of the individual stock as compared 6 to the overall market. This increase in beta estimates, 7 which was provided and confirmed by multiple sources, 8 9 indicate that utility stocks began to trade more like 10 the overall market in current market conditions than they had in recent history. This data is quantitative 11 12 support of the viewpoints of equity analysts and 13 utility -- of the viewpoint of equity analysts that 14 utilities are not behaving as traditional safe haven 15 investments in the current market conditions, but rather 16 have been subject to volatility and have underperformed relative to the broader market. 17

18 This is a point on which Dr. Woolridge and I 19 agree. Dr. Woolridge also notes in his current market 20 conditions discussion that utilities have not been safe 21 haven investments in this market.

The range of results from updating my analytical models and rebuttal was between 8.54 percent and 12.92 percent, and within that range I concluded it was not necessary to change either the range or the

1 point estimate determined from my direct testimony. 2 The company, nevertheless, elected to reduce 3 its requested ROE in its rebuttal testimony to 4 9.8 percent, which is at the lower end of the range that I've established. 5 6 In response to Dr. Woolridge's testimony, it is remarkable that he protests so strongly the use of 7 earnings growth rates in the DCF model, when he states 8 9 in both his direct and surrebuttal testimonies that his 10 recommended ROE is based primarily on the models that he 11 developed using earnings growth rates as the assumptions 12 in the DCF model, and that he's relied almost 13 exclusively on his DCF model. 14 Likewise, it's notable that, while Dr. Woolridge devotes pages in his surrebuttal testimony 15 16 to his concerns regarding projected interest rates, in 17 his own CAPM analysis he relies on a normalized interest 18 rate that is higher than the short-term projected yield 19 on the 30-year Treasury bond that I've used in my CAPM. 20 Furthermore, the projected interest rates that I've relied on are within the normalized risk-free rate 21 22 range established by the Duff & Phelps report provided 23 in Mr. Coleman's surrebuttal testimony. Finally, it's important to note that 24 25 Dr. Woolridge doesn't even rely on his CAPM analysis.

Reviewing the totality of the case, the 1 2 Commission will see that the witnesses in this 3 proceeding have relied on different models with 4 differing assumptions, to develop ranges of ROEs and final point estimates. 5 Reviewing the rebuttal and surrebuttal 6 7 testimony is evidence that each of the witnesses firmly believes the ROE modeling that they have performed is 8 9 Benchmarking the results of that modeling reasonable. 10 against recently authorized returns from other jurisdictions can provide a broader framework for the 11 Commission to consider as it determines what a just and 12 13 reasonable ROE is for Rocky Mountain Power, given recent and current market conditions. 14 15 Figure 2 from my rebuttal testimony provides 16 recently authorized ROE data through August 31, 2020, 17 for vertically integrated electric utility companies. 18 As is shown on this scatter plot, the 19 company's requested ROE of 9.8 percent is well within 20 the range of the recently authorized ROEs since 2018, 21 including the first eight months of 2020. 22 Mr. Coleman and Dr. Woolridge's 23 recommendations are also provided on this chart, and as 24 you can see, the recommendations offered by these 25 witnesses are at the very low end of the returns that

were authorized at the time my rebuttal testimony was
 prepared.

3 Mr. Coleman provided what he considered to be 4 updated information on recently authorized ROEs in Attachment 6 to his surrebuttal testimony. While the 5 6 data that is presented there represents the broad range 7 of information that's available from S&P rate case databases, the data cannot be relied upon in the format 8 9 provided by Mr. Coleman, because the averages don't 10 reflect Commission determinations of the ROE in base-rate proceedings. Instead, that data included 11 12 multiyear formula rate adjustments, penalties for 13 management performance -- and penalties for management 14 performance that can't be included in a review of trends 15 of capital costs.

16 Mr. Coleman's summary includes in his averages authorized ROEs for limited-issue rider cases. 17 It's 18 common practice to remove these data points from 19 analysis of authorized ROEs conducted in a base-rate case, because limited-issue riders are not comprehensive 20 21 cases and they don't consider the same level of review 22 of models and proxy groups that are considered in 23 base-rate proceedings. Therefore, the averages that 24 Mr. Coleman relied on that include these data should be 25 disregarded.

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1	Mr. Coleman's data also includes a data point
2	for Central Maine Power, which suggests that the ROE
3	that was determined was eight and a quarter percent.
4	This was not the base ROE determination for that case.
5	Rather, in that proceeding, the company was authorized a
6	nine and a quarter percent return, and was issued a
7	penalty of a hundred basis points that was applied for
8	18 months for management performance related issues. As
9	a result, it is not appropriate to use this data point
10	in any of the averages, as Mr. Coleman has done.
11	Mr. Coleman's data also includes an 8.2
12	percent ROE for Green Mountain Power. In the decision
13	in that case, the commission specifically indicated that
14	the adjustments to the ROE down to 8.2 percent was based
15	upon an agreed-upon formula and a multiyear rate plan.
16	The commission did not make an independent determination
17	of the ROE, based on market data, in that case.
18	Therefore, this data point should also not be considered
19	in the analysis of trends of market-determined ROEs,
20	much the same way that the Illinois cases are typically
21	removed from a review of ROEs because of the use of a
22	formula to set ROEs in that jurisdiction.
23	Finally, Mr. Coleman's analysis of vertically
24	integrated utility ROEs include settlements. While
25	settlement data sometimes will specify ROE, it does not

1	reflect Commission's views of the market-required ROE,
2	given that settlements incorporate negotiations between
3	the parties on all aspects of the case and there are
4	tradeoffs that are made as part of those settlements.
5	Correcting for all of these issues in
6	Mr. Coleman's schedule, I conclude that the average
7	authorized ROE for vertically integrated electric
8	utilities in 2020 would be 9.66 percent, and the maximum
9	was 10. The company's request of 9.8 falls within that
10	range.
11	Considering settlements, the intervening
12	witnesses in this case suggest that the company should
13	be requesting a lower ROE based on the fact that there
14	was a settlement in Washington its Washington
15	jurisdiction at 9.5 percent.
16	As I just discussed, it's well-recognized that
17	settlements represent compromise between the parties in
18	a case, and no one element can be evaluated in
19	isolation.
20	The Washington settlement is no different than
21	any other settlement in that regard, and it is not
22	possible to identify that one element of the settlement
23	to compare to the relative return for other
24	jurisdictions.
25	Similarly, it's not reasonable to conduct an

analysis of the company's request in another jurisdiction. Other witnesses in this proceeding suggest that the Utah ROE should be lower because there are more rate mechanisms in Utah than in Wyoming, another jurisdiction, where the company is seeking rate relief.

7 The ROEs are established based on a proxy group of companies and the relative risk profile of the 8 9 subject company in that group. In each jurisdiction 10 that analysis is performed and considers the relative 11 risk of the proxy group and the company to determine 12 range and the recommended ROE. That's the comparison 13 that should be used to establish the ROE, not an 14 analysis of an individual operating company's requested 15 ROE.

16 At no point in any rate proceeding am I aware 17 of any witness submitting as evidence the requested ROEs in any rate case to demonstrate the market-expected ROE. 18 19 The suggestion to rely on the company's request in 20 Wyoming is similar to that, requesting that -- relying 21 on ROEs that are requested in other jurisdictions across 22 the country as a benchmark for the investor-required 23 return on, and it is inappropriate.

24Taking into consideration all of the factors25discussed in my direct and rebuttal testimony, and

summarized here, I conclude that the company's requested 1 2 ROE of 9.8 percent is reasonable and appropriate and at 3 the low end of the ROE range that I've calculated based 4 on relevant factors. Furthermore, as discussed in my direct and 5 6 rebuttal testimony, I have considered the company's proposed capital structure as compared with the capital 7 structures of the utility operating companies of the 8 9 proxy group. 10 Consistent with my review of regulatory risk factors and other business risks, all of which have been 11 12 performed by comparison to other utility operating 13 companies, I believe that it is the appropriate 14 benchmark for the capital structure to rely on utility 15 operating companies for the analysis. 16 As shown in my Exhibit AEB-11 that was 17 referenced earlier today to my direct testimony, the average equity ratio for the proxy companies was 52.73 18 19 percent, within a range that the maximum of which was 20 61.54 percent. Based on that range, the company's 21 requested equity ratio of 53.67 is reasonable and 22 appropriate. 23 Thank you for the opportunity to present my 24 summary. Thank you, Ms. Bulkley. 25 MR. MOSCON:

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1	Mr. Chairman, Ms. Bulkley is available for any
2	questions or cross-examination.
3	CHAIR LEVAR: Thank you, Mr. Moscon.
4	Why don't we take a short break and then we'll
5	return and resume with any cross-examination. Why don't
6	we recess for about 15 minutes. We'll return at 11:00
7	Mountain Time.
8	MR. MOSCON: Thank you.
9	(Whereupon a short recess was taken.)
10	CHAIR LEVAR: Thank you.
11	I will go to Ms. Schmid next. Ms. Schmid, do
12	you have any questions for Ms. Bulkley?
13	MS. SCHMID: I do. Thank you. Can you hear
14	me? Can you hear me?
15	CHAIR LEVAR: You're coming through very
16	clearly. Thank you.
17	MS. SCHMID: Thank you.
18	CROSS-EXAMINATION
19	BY MS. SCHMID:
20	Q. Ms. Bulkley, thank you for your summary this
21	morning. I have a few questions from that, so I'll
22	start with those.
23	Your summary contained references to many
24	numbers, and I'd like some help finding at least one set
25	of those numbers in your prefiled testimony.

1	In your summary, I believe that you said the
2	average ROE for vertically integrated utilities is 9.66,
3	with a max of 10. Did I recall that correctly?
4	A. What I said was that when you adjust the
5	analysis Mr. Coleman presented, that's what you get.
6	Yes, that's correct.
7	Q. And so is that in your rebuttal testimony?
8	A. No, it is not.
9	Q. So this is new information that you're
10	providing just today?
11	A. No, I wouldn't characterize it as new
12	information that I'm providing. I would characterize it
13	as information Mr. Coleman provided that I corrected.
14	Q. But you didn't do that until today; is that
15	correct?
16	A. Well, it was provided in his surrebuttal, so
17	this would have been my first opportunity to reference
18	it. That's correct.
19	Q. And his information was not provided in his
20	direct testimony?
21	A. That's correct. Exhibit 6 to his surrebuttal
22	testimony included an update of authorized ROEs through
23	2020, and that information in that exhibit was what I
24	was referring to, and it was not correct.
25	Q. Okay. So if we review your summary, we can

1	look for things where you make adjustments to his file
2	testimony; is that right?
3	A. I'm sorry. Say that again.
4	Q. If we review your summary, we can look for
5	instances where you made adjustments to his prefiled
6	testimony, his direct and his surrebuttal; is that
7	correct?
8	A. I don't think my summary includes any
9	adjustments to Mr. Coleman's direct testimony,
10	specifically. No, I don't think that's here at all.
11	Q. So they are adjustments to his surrebuttal
12	testimony?
13	A. It would be adjustments to Attachment 6 to his
14	surrebuttal testimony, correct.
15	Q. Okay.
16	Moving on. In your summary, you talked a
17	little bit about settlements, and you mentioned the
18	Washington settlement. If I recall correctly, you said
19	you can't look at a settlement item in isolation.
20	Is that a fair characterization of one thing
21	that you said?
22	A. Yep, that's correct. I did say that.
23	Q. Okay. So let's look at a couple of things.
24	And I'm going to use a hypothetical, and it's following
25	up on Mr. Moore's hypothetical. So let me set the

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stage. So we have a settlement in Washington, with an ROE of 9.5 and a capital structure that has less equity than the capital structure in Utah. We have a situation in Utah where there -- the company is asking for a higher ROE, and a more equity-rich capital structure. Do you follow me? I'm just writing this down to follow you with Α. vour hypothetical. So I think I have it, yes. Mr. Moore went through a series of questions ο. asking you about a mathematical result. Mr. Moore hasn't asked me any questions. Α. No. I thought Mr. Moore did some -- no, I'm sorry. Q. Sorry. Α. No. He asked Ms. Kobliha. Kobliha. I forgot. 0. Okay. So let's follow up on that. If we have the same revenue requirement in the Washington case, with the lower ROE and lower capital structure, as we have in the Utah case, with the higher ROE and higher -- and more equity-rich capital structure, where will the rate payers pay more? Α. I'm sorry. If the revenue requirements are equal, the rate payers will pay the same amount. The premise of your argument was if we have

1 the same revenue requirements in Washington and in Utah. 2 And so regardless of how you move the parts for ROE and 3 capital structure, if the revenue requirement is the 4 same, the customers would pay the same. So what would it take to get a lower revenue 5 ο. requirement or a lower rate in Washington? 6 Well, in a revenue requirement, there are a 7 Α. whole bunch of variables. So there could be all kinds 8 of things that would cause the revenue requirements to 9 10 differ from one jurisdiction to the next. The revenue 11 requirement isn't set solely based on the ROE and the 12 capital structure. 13 I may come back to that and I may not. I have 0. 14 a few questions concerning equity risk premiums. 15 Do you agree that the testimony of the various 16 parties demonstrated there are a number of methods and 17 inputs to calculate the equity risk premium? 18 There are a number of methodologies considered Α. 19 by the parties, that's true. 20 Okay. Let's look at the ERP from Duff & 0. 21 Phelps, which is the one Mr. Coleman used here. 22 If --23 Can you -- I'm sorry. Can you provide me a Α. 24 document so I can be looking at the same thing as you? 25 Q. Yes, I am. I'm just getting there.

1	A. Okay.
2	Q. If we look at DPU Exhibit 2.05 Direct, we
3	should see that.
4	And the top of the page that I'm looking at
5	says, Capital Asset Pricing Model Results, Duff & Phelps
б	Market Risk Premium.
7	Do you see that?
8	A. Well, I didn't have the DPU's exhibits
9	here, so I'm trying to pull them up electronically. So
10	can you just bear with me for a second?
11	Q. I can. Thank you.
12	A. Thank you.
13	Q. Obviously, I need to up my hearing-via-video
14	game, and I apologize for that. I should have thought
15	of that before.
16	A. Well
17	MR. MOSCON: Can I ask just a question to
18	clarify? And I think this might help. This is, by the
19	way, Matt Moscon. I think you said "direct." If it
20	helps, I think what we're all looking for and correct
21	me, Ms. Schmid, if I'm wrong is the DPU SRO2
22	Attachment 1, which is the surrebuttal exhibit to
23	Mr. Coleman.
24	Is that what we're looking for?
25	MS. SCHMID: I am looking at the Direct

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1	Exhibit No. 2.05. But let me turn to his
2	THE WITNESS: I don't have that handy,
3	actually.
4	BY MS. SCHMID:
5	Q. Okay. Well, I will represent to you, then,
б	that this exhibit, the risk-free rate presented by Duff
7	& Phelps, the average beta for all analysts, average
8	Value Line beta, average Zacks beta, average Yahoo!
9	Finance beta, and average Ned Davis beta, is 2.5.
10	A. The beta is 2.5? I don't
11	Q. The risk-free rate
12	A. I
13	Q. The risk-free rate is 2.5.
14	A. Okay. I don't have that exhibit in front of
15	me to verify that or to put that into context, but
16	MS. SCHMID: Chair LeVar, if we can take a
17	brief break, I will go and scan this so I can share it.
18	And I apologize for not doing that before.
19	CHAIR LEVAR: How about if I try to share it
20	right now and see if that works?
21	MS. SCHMID: Okay. Thank you.
22	CHAIR LEVAR: Is that showing enough of the
23	screen for the current discussion?
24	MS. SCHMID: It is. Thank you.
25	BY MS. SCHMID:

Page 9	2
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1	Q. Ms. Bulkley, do you see the exhibit that Chair
2	LeVar has kindly put up on the screen?
3	A. Yes, I do see this is it says it's Duff
4	& Phelps Market Risk Premium?
5	Q. Yes.
6	A. Yes, I see that.
7	Q. If we look at the risk-free rate, do we see
8	that the risk-free rate is 2.5 all the way down under
9	column one?
10	A. Yes, we do see that
11	Q. Okay.
12	A so but I'm not sure what that actually
13	means, because
14	Q. I'm getting there. I'm getting there.
15	A. Okay.
16	Q. And then if you look at column three, the ERP,
17	you'll see that it is 6.0 all the way down. Right?
18	A. Yes, I do see that.
19	Q. Okay. So according to Duff & Phelps, the
20	total market return for the stock market should be
21	approximately 8.5 percent, the sum of the ERP and the
22	risk-free rate. Is that correct? According to Duff &
23	Phelps.
24	A. That would be correct, presumably.
25	Q. Okay.

A. According to the exhibit.

Q. Again, I'm not asking if you agree; I'm just asking if I did the math right.

Is it correct that you are suggesting that a 12.49 MRP is appropriate for the Commission to use here, and that's a figure that is more than 50 percent higher than the total market return calculated by Duff & Phelps, and over 100 percent higher than the ERP calculated by Duff & Phelps?

A. Yes, that's correct, based on the S&P earnings
and estimates report, I believe, that's discussed in my
rebuttal testimony. So it would be using Standard and
Poor's own estimate of the market return of the expected
growth rates and the dividend yields for the S&P 500.
So that would be based on Standard and Poor's itself -its estimate for the S&P 500.

Q. But when I look at the Duff & Phelps numbers,
8 I get the 8.5; is that correct?

9 A. Yes, Duff & Phelps does have a different0 number.

Q. Okay.

A. S&P's number is for its -- for the overall
market as a whole. I don't exactly have the basis for
the Duff & Phelps information for you.

25

Q. Okay.

October 29, 2020 Page 94 1 It was discussed in Casey's testimony, and 2 But let's move on. presented there. 3 I'm going to ask you a few questions about 4 your testimony in the tax reform legislation. You may find it helpful to turn to your direct testimony. 5 Do you have that with you? 6 7 Α. T do. 8 0. Okay. 9 Lines -- let's start with lines 126 and 128. 10 And is it a fair characterization of your 11 testimony in lines 126 to 128 that you say -- or even 12 perhaps an exact quote -- that moreover, Rocky Mountain 13 Power's proposed common-equity ratio is reasonable 14 considering that federal tax reform legislation has had a negative effect on the cash flows and credit matrices 15 16 of regulated utilities? 17 Did I read that correctly? Just one word was incorrect. It's credit 18 Α. 19 metrics --20 0. Thank you. 21 -- of regulated utilities. Α. 22 Then let's turn to what effect the federal tax 0. 23 reform legislation has had on Rocky Mountain Power, 24 specifically. And I'm just going to state -- everybody 25 knows this, but I'm going to state it anyway.

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So Rocky Mountain Power is not traded on its
own; credit agencies look at PacifiCorp. And so I'm
going to start by using some information from Moody's
and data for PacifiCorp.
Around lines 599 to 607 of your direct
testimony, you discuss Moody's reaction to the tax
changes.
Are you there?
A. I'm there, yes.
Q. Thank you.
Your testimony notes how Moody's has responded
to the increased risk for utilities resulting from the
tax changes.
I can read what is in there verbatim, or else
I can just use a reference to those lines in your
testimony. Which would you prefer?
A. I think it's fine to use the reference.
Q. Okay. Thank you.
A. I can see down here.
Q. Just one second.
So using your testimony on those lines as a
background, let's turn to what Moody's has said
specifically about PacifiCorp. And this is getting into
a confidential exhibit that was provided, I believe,
with Mrs with Ms. Kobliha's testimony as a work

<ul> <li>think what I'm going to say is not confidential.</li> <li>whole often, whole reports are marked confident</li> </ul>	
3 whole often, whole reports are marked confident	tial,
4 and not everything in it is truly confidential.	
5 A. I don't have a copy of anything from	
6 Ms. Kobliha's testimony here.	
7 MR. MOSCON: This is Mr. Moscon. Before	e we go
8 forward, we're not sure what we're looking at to f	Eollow
9 along. What are we looking for?	
10 MS. SCHMID: Okay. If we turn to line 6	502 and
11 605 of Ms. Bulkley's testimony, you will reference	e a
12 June 2008 Moody's report; is that correct?	
13THE WITNESS: No. I reference a June 20	018
14 Moody's report.	
15 BY MS. SCHMID:	
16 Q. Sorry. Thank you. I couldn't read my c	own
17 writing. That was embarrassing.	
18 And now, would it surprise you that in	
19 June two thousand and June 27, 2019, Moody's ga	ave
20 PacifiCorp a long-term rating of A3? And I believ	ve that
21 has been discussed already by Ms. Kobliha.	
22 Do you recall that?	
A. I don't recall that specifically, no.	
24 But is there a document that could be	- if
25 you're going to focus on a document from the ratin	ng

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1	agency, is it possible to send that document to
2	counsel
3	Q. I can scan it and send it
4	A who can send it to me? Yeah.
5	Q or I can refer your counsel to the exhibit
6	on Ms. Kobliha's testimony, where it is.
7	A. Either works for me.
8	MR. MOSCON: Yeah, what if you can tell us
9	what specific exhibit you want us to turn to, we're
10	happy to try that.
11	MS. SCHMID: Okay. Thank you guys for helping
12	me with this.
13	It is, I believe, work paper number NCK-1 from
14	Ms. Kobliha's direct testimony. It is a confidential
15	exhibit. The title of the article is PacifiCorp Update
16	to Credit Analysis, and the date is June 27, 2019.
17	MR. MOSCON: Is that part of an exhibit?
18	MS. SCHMID: It's part of her work papers that
19	was filed with the commission.
20	MR. MOSCON: Okay. So
21	CHAIR LEVAR: Let me this is Thad LeVar.
22	Did you mean NLK with
23	MS. SCHMID: Yes, I did. Thank you.
24	CHAIR LEVAR: NLK-1, right? RMP work papers
25	NLK-1?

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1	MS. SCHMID: Yes. Thank you.
2	THE REPORTER: I'm sorry. I'm not hearing
3	anyone. Are we okay?
4	MS. SCHMID: I think we're waiting for your
5	counsel to find this.
6	THE REPORTER: Okay. Sorry. This is the
7	reporter. I worry when everything freezes and I don't
8	hear anything. So as long as we're still okay.
9	MR. MOSCON: Right.
10	So we're at NLK-1, the exhibit of from
11	NLK-1. I don't know if Ms. Bulkley is, but at least
12	I've found it so far.
13	So then from that, specifically, what are we
14	looking for?
15	MS. SCHMID: The credit opinion dated June 27,
16	2019. And the article title is PacifiCorp Update to
17	Credit Analysis.
18	And I apologize for this. I should have
19	scanned it, but I did not.
20	MR. MOSCON: Okay. So that
21	THE WITNESS: Others may have access to that.
22	I do not have access to Ms. Kobliha's work papers here.
23	I apologize for that.
24	MS. SCHMID: In that instance, Chair LeVar
25	I hate to do this, but could I ask for a break, and I

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1	will
2	MR. MOSCON: Can I confirm, if this helps, is
3	Exhibit 4 to Ms. Kobliha's direct, which is NLK-4, is
4	the Ratings Direct Key Credit Factors for Regulated
5	Utilities Industry, is that what you're looking for?
6	MS. SCHMID: What is the date of that report?
7	MR. MOSCON: November 19, 2013.
8	MS. SCHMID: Okay. It is not the same thing
9	I'm looking at.
10	So I hate to do this, Chair LeVar, but could
11	we have a break? And I will scan the article to which I
12	am referring, and I will send it to Mr. Sabin, who can
13	share it with his counsel and then their witness. And I
14	truly apologize.
15	CHAIR LEVAR: Sure, we can take a ten-minute
16	break. And I will just verify that I have NLK-1 in
17	front of me, and it is the document that Ms. Schmid was
18	describing. So that's the correct work papers to Ms
19	it's the first confidential exhibit to Ms. Kobliha's
20	direct testimony.
21	So with that, if we still need a few minutes
22	to make sure that's in front of Ms. Bulkley do we
23	need ten, just to make sure?
24	MR. MOSCON: I don't know that we need
25	CHAIR LEVAR: Is five okay. Why don't we

1	recess for five minutes.
2	MS. SCHMID: Five sounds good. Thank you.
3	(Whereupon a short recess was taken.)
4	CHAIR LEVAR: Okay. Why don't we go back on
5	the record.
6	Ms. Schmid, why don't you continue.
7	MS. SCHMID: Okay. I have provided a
8	confidential document to Rocky Mountain Power's counsel,
9	Mr. Sabin, and Mr. Moscon. Could they please send that
10	to Ms. Bulkley?
11	MR. MOSCON: Yes, we have forwarded that.
12	MS. SCHMID: Okay.
13	BY MS. SCHMID:
14	Q. Mr. Bulkley, can you pull that up?
15	A. Yes, I have it.
16	Q. Okay.
17	So you're looking at what should be a credit
18	opinion dated June dated 27 June, 2019, with the
19	title PacifiCorp Update to Credit Analysis. Is that
20	right?
21	A. Yes. From Moody's Investor Services, yes.
22	Q. And so if you look on the left-hand side,
23	there is a box titled Ratings, and then underneath it,
24	PacifiCorp.
25	A. I see that, yes.

1	Q. Okay. Can you read what the long-term rating
2	is, as presented in that box?
3	A. Yes. It's A3.
4	Q. Thank you. That was sort of a long way to get
5	there.
6	So is it fair to say that PacifiCorp, unlike
7	many regulated utilities that have been and still are
8	downgraded by Moody's PacifiCorp has a what we
9	could generally term a good rating?
10	A. That's sort of a relative term. It's a
11	reasonable rating.
12	Q. A reasonable rating. Okay.
13	And if and then let's go now and I
14	apologize. That was an awful lot of time to get that
15	simple question and answer in, but I learned a lot.
16	Thank you for your indulgence.
17	Let's turn now to around pardon me 538
18	or 589 or so of your testimony where you discuss
19	Standard and Poor's assessment of weakened credit
20	metrics for some utilities.
21	A. I'm there.
22	Q. Okay. I believe that you state, in essence,
23	utilities with minimal financial cushion will look at
24	issuing equity.
25	Is that a fair characterization or would you

1	like the group of sentences read into the record?
2	A. Well, I think it would be better to read it
3	into the record, actually. That's not entirely what it
4	says, but
5	Q. Okay. Could you read the whole thing into the
6	record, then, please?
7	A. Sure. Do you want me to start at 583 or are
8	you most interested in 585, which I think is where your
9	paraphrase may have started?
10	Q. I believe I'm interested in 585.
11	A. 584.
12	Q. Yes. And 585 to 588, I believe.
13	A. Okay. Excellent.
14	"In addition, S&P expects that weaker credit
15	metrics will continue for those utilities operating with
16	minimal financial cushion. S&P further expects that
17	these utilities will look to offset the revenue
18	reductions from tax reform with equity issuances."
19	I think that's what you're looking to say.
20	Q. Yes.
21	A. Yes.
22	Q. Would you agree that PacifiCorp has not issued
23	equity during the time from the passing of the TCJA to
24	today?
25	A. That's really a question for Ms. Kobliha. I

1	can't say that I know that for sure.
2	Q. Okay.
3	Let's turn now to electric industry ROEs. And
4	I did circulate this to all the parties, I believe, as
5	DPU and the Commission as DPU Cross Exhibit No. 1.
6	And what it is, is it is a report and charts from RRA.
7	A. And the date on that document, can you just
8	confirm for me so I make sure I have the right thing?
9	Q. Yes. It is October 20, 2020.
10	A. Yes, I have that document.
11	Q. Okay.
12	Have you seen this document before?
13	A. Yes, I have.
14	Q. What period of time does the article discuss?
15	A. The article says it discusses January through
16	September 2020.
17	Q. And if we look at the bottom of the first
18	paragraph, the second sentence from the bottom, we see
19	that it states, "Based on data gathered by Regulatory
20	Research Associates, a group within S&P Global Market
21	Intelligence, the average return on equity authorized
22	electric utilities was 9.50% in all rates cases decided
23	in the first three quarters of 2020, below the 9.65
24	average for cases in full-year 2019."
25	Did I read that correctly?

1 You did. I believe I addressed this very data Α. 2 in my summary, however. 3 ο. Yes. 4 Α. And this article goes on to discuss certain of 5 the specific cases I referenced that are part of that 6 average. Yes. And I was going to get there, but thank 7 ο. you for getting there all on your own. 8 9 With that in mind, you criticized, including 10 some of those ROEs in Mr. Coleman's figures -- however, isn't it true that those ROEs are what the customer is 11 12 paying through rates in the listed company areas? 13 Α. Well, for example, the Central Maine Power, 14 for an 18-month period, they would pay 8.25 percent, 15 after which time it would revert to nine and a quarter 16 percent. 17 So I -- it depends on which time period you're 18 referring to, I quess. However, that is a penalty based 19 on management performance, and it's not a measure of the 20 market cost of equity; it's a penalty to shareholders 21 for management performance. 22 So, yes, 8.25 percent would be paid for a 23 period of time, and then it would revert to nine and a 24 quarter. 25 Similarly, in the Green Mountain Power case,

1	this is a multiyear rate plan that did adjust for a
2	period of time. I'm not certain what the length of the
3	multiyear plan is and how many steps are in that plan,
4	but for some period of time, the rate adjusts to
5	8.2 percent. Again, it is not a market determination,
6	however, it's stipulated as part of a multiyear rate
7	plan.
8	MS. SCHMID: What I'd like to do is move for
9	the admission of DPU Cross Exhibit 1 so the Commission
10	can read this exhibit and take all comments made into
11	account.
12	May this DPU Cross Exhibit 1 please be
13	admitted?
14	CHAIR LEVAR: Ms. Schmid, I don't know that we
15	have that in our possession. I was looking for it while
16	you were discussing it with Ms. Bulkley, and I don't
17	have it in my possession. If you could direct me where
18	I should, or could, or
19	MR. CLARK: Chair LeVar, I'm seeing it as
20	having been sent to our email earlier today.
21	CHAIR LEVAR: Okay. I was looking through
22	that and didn't find it. I found the Office's but not
23	the Division's.
24	MR. CLARK: It came through at about 8 at
25	8:47.

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1	CHAIR LEVAR: Oh, okay. Cross Exhibit 2.
2	MS. SCHMID: No, it should be Cross Exhibit 1.
3	CHAIR LEVAR: Exhibit 1. Okay. Yes. Okay.
4	I have that one. So, sorry.
5	So with that, I'll go to the parties. Does
6	anyone object to that motion?
7	MR. MOSCON: No objection.
8	CHAIR LEVAR: Okay. I'm not seeing or hearing
9	any objection from anyone, so the motion is granted.
10	MS. SCHMID: With that, I conclude my
11	cross-examination of Ms. Bulkley. And again, I
12	appreciate the indulgence of the Commission and of the
13	parties. I will become more adept with electronic
14	trials soon. Thank you.
15	CHAIR LEVAR: Thank you, Ms. Schmid. We've
16	all had to adjust our practices a little bit this year.
17	Thank you for your participation.
18	Mr. Moore, do you have any questions for
19	Mr. Bulkley?
20	MR. MOORE: Yes, I do.
21	CHAIR LEVAR: Okay. Go ahead.
22	CROSS-EXAMINATION
23	BY MR. MOORE:
24	Q. Ms. Bulkley, you've testified in direct
25	testimony that RPM is riskier than your proxy group of

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1	companies; isn't that correct?
2	A. I'm sorry, I'm having could you speak up a
3	little bit? I have a hard time hearing you.
4	Q. I'll speak slower as well.
5	Ms. Bulkley, you've testified in your direct
6	testimony that Rocky Mountain Power is riskier than your
7	proxy groups of companies; isn't that correct?
8	A. I have done a comparison of Rocky Mountain
9	Power to the proxy group in my direct testimony, and
10	included on certain bases, yes, there was greater risk.
11	Q. What is RPM's current credit rating RMP's
12	current credit rating?
13	A. I'm sorry, I don't have that at my I don't
14	have that handy.
15	Q. Do you have Ms. Kobliha's direct testimony?
16	A. I do not have her direct testimony, no.
17	Q. I'll represent that it is an A from S&P, and
18	an A3 from Moody's. Do you have any reason to question
19	that?
20	A. Well, we've just looked at the Moody's report,
21	so I'll agree to that. And I subject to check, I
22	guess I can agree to the S&P, rather than going through
23	that process again.
24	Q. Do you know what the average rating is of your
25	proxy group of companies' credit rating?

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1	A. I don't have that, no.
2	Q. Do you have Professor Woolridge's testimony
3	available to you?
4	A. In electronic form, yes.
5	Q. Could you go to page 25 of his rebuttal?
6	A. His let me make sure
7	Q. His rebuttal testimony.
8	A. Or his surrebuttal testimony? I don't have a
9	rebuttal, I have direct and surrebuttal.
10	Q. Oh, I'm sorry. Direct testimony.
11	A. Okay. So it's page 25 of direct.
12	Q. Yes. He states there that your proxy group
13	company has a credit rating of BBB+. Isn't that from
14	S&P, and from Moody's, BAA1.
15	Isn't that is do you see that?
16	A. That is what he states there. I don't have
17	the work paper to support that, but that is stated there
18	on that page, that's correct.
19	Q. Okay.
20	In your testimony regarding Rocky Mountain
21	Power's business risk, you identified capital
22	expenditures, regulatory environment, and the generation
23	profile as factors credit ratings agencies examine in
24	making credit ratings, and claim that all these factors,
25	including indicate that Rocky Mountain Power is

1	riskier than your proxy group. Isn't that correct?
2	A. I'm sorry to ask you to restate that. I just
3	didn't hear the whole thing. I apologize.
4	Q. I this I've had problems before. Let me
5	go slower here.
6	Specifically, in your testimony concerning
7	Rocky Mountain Power's business risk, you identified
8	capital expenditures, the regulatory environment in
9	Utah, the generation profile, as factors credit agencies
10	examine in making credit ratings, and claim that all
11	these factors indicate that Rocky Mountain Power is
12	riskier than your proxy group.
13	Did I say that correctly?
14	A. That's kind of a general characterization.
15	We could take them one by one, if you'd like.
16	Q. Let's take regulatory risks first.
17	A. Okay.
18	Q. Now, there's a lot of discussion on this topic
19	in testimony, but I want to focus on an issue I believe
20	we're in agreement with, and that is, in establishing
21	your testimony, credit ratings examined the regulatory
22	environment in the setting of setting rates for
23	utilities. Isn't that correct?
24	A. Credit rating agencies consider the regulatory
25	environment. Is that what you said?

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Q. That's what I said.

A. Yes, I would agree with that.

Q. And would you agree that the credit rating agencies looked at Rocky Mountain Power's regulatory environment, and have given Rocky Mountain Power an A and A3 credit rating? Isn't that correct?

A. That's correct. We -- that's what their credit ratings -- well, subject to check on S&P, but certainly the Moody's we've verified that PacifiCorp had an A3.

Q. The same is true with capital factors -- with the factors of capital expenditures in generation profile. You testified that credit agencies examined these factors in issuing credit ratings for utilities. Isn't that correct?

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A. That's correct.

17 ο. Therefore, the credit rating agencies examined Rocky Mountain Power's regulatory environment, capital 18 19 expenditure, and generation profile. Incorporating all 20 these factors, you determined -- that you determined 21 made Rocky Mountain Power riskier than your proxy 22 groups, and determined that Rocky Mountain Power 23 qualified for a credit rating of, subject to check, A, 24 and A3. Isn't that correct?

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A. I'm sorry to ask you to say that again.

1 All right. Q. 2 Α. You're --3 Am I breaking up or am I going too fast? Q. 4 Α. I think it's a little bit of both. So -- it's not breaking up, but it's guiet and fast. So I'm trying 5 to hear, and it makes it a little bit difficult. 6 Ι 7 apologize. I'll see if I can help you out. 8 ο. No. The credit rating agencies examine Rocky 9 10 Mountain Power's regulatory environment, capital 11 expenditures, and generation profile, and determined 12 that Rocky Mountain Power qualified for a credit rating 13 of A, as you say for the S&P, subject to check, and A3 14 per Moody's. Isn't that correct? 15 Generally speaking, yes, that's correct. Α. 16 Now, the credit rating agencies presumably 0. 17 looked at similar factors for your proxy group, and 18 determined that the proxy companies should have an inferior credit rating, according to the testimony of --19 we talked about before, of S&P, BB+, and Moody's BAA1. 20 21 Isn't that correct? 22 Well, so here's the issue with that. Α. There's 23 no matrix of factors that have been considered and how 24 they've been considered in developing the ratings for an 25 individual company.

1 So they're considering each of these things in 2 total, with the overall business risk, which is why in 3 my testimony I've relied on an analysis of each of those 4 individual mechanisms to assess the overall risk. 5 Because when you're looking at the rating agencies, 6 there's not a lot of transparency on how they have 7 considered each of those factors.

So they are there to some extent. 8 To what extent, I can't say. So I've relied on the S&P data 9 10 that indicates for each jurisdiction that all of the 11 proxy companies are operating in, what specific 12 mechanisms they might have, what their capital 13 expenditures look like through Value Line data for that 14 analysis. But I've looked at each of these things 15 individually and very transparently. The ratings are 16 not very transparent with respect to how these 17 particular issues are addressed.

18

Q. Okay. Thank you.

Would you agree with me that credit agencies that give utilities a higher credit rating are putting a signal to the market that they're less risky than credit ratings -- than utilities that the credit rating agencies give a lower rating?

A. Again, I think that's a generalcharacterization. So there's the rating, there's the

outlook, there's a whole bunch of factors that go into
 that.

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#### Q. But generally that would be correct?

4 Α. Well, again, like I said, all of the factors, right? So you have the ratings, you have the outlooks. 5 Certainly, when S&P downgraded its outlook on the entire 6 industry, that's one factor that overhangs the entire 7 industry, right? It doesn't necessarily affect an 8 9 individual company's ratings, but it affects the 10 industry in its entirety, right?

So there are outlooks and there are ratings that all need to be taken into consideration. It's sort of -- I don't think you can take just the letter grade into account.

Q. I see.

So if I want to -- if a utilities company, to borrow to -- from a lender, the lender would consider their utility ratings as one factor in how risky the environment is, and if that is true, the lower credit rating would be a riskier -- would be a factor that would be -- indicate that it would be riskier than a higher credit rating?

A. That individual element by itself, yes. But
again, like I said, the overall factors would make a
difference as well. Is there a negative outlook? What

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1	do the coverage ratios like look? What are the
2	prospects? So I think there's a bigger picture than
3	just the rating itself.
4	Q. Ms. Bulkley, I'd like to turn now to your
5	projected DCF approach.
б	A. Yes.
7	Q. Isn't it true this is a unique approach
8	developed and used by you?
9	A. Yeah, I think I've discussed this, actually,
10	in my rebuttal testimony. The purpose of this analysis
11	was to show what happens when the market were to
12	correct, as it has done. So I think I know
13	Dr. Woolridge's testimony suggests that this is some
14	unique methodology, but it is simply an analysis to
15	demonstrate that as analysts expected the utility stock
16	prices to decline, how would that affect the DCF.
17	Q. Has your approach been published and has it
18	been subject to peer review?
19	A. No. This was not an academic pursuit; this
20	was an estimate to demonstrate, as I said, what happens
21	when the prices for utility stocks decline, as they
22	have.
23	Q. Can your approach be empirically tested?
24	A. Again, same answer.
25	Q. All right.

1	And then again, your approach wouldn't be
2	generally accepted in the scientific community?
3	A. It's not a scientific study, as I said.
4	Q. Okay.
5	A. No. Illustrative example, as discussed in my
6	rebuttal testimony.
7	Q. Ms. Bulkley, I'd like you to turn to your
8	direct testimony on page 81, line 1616.
9	Referring to your model's results, you stated,
10	"I believe the ranges between 9.75 and 10.5 is
11	reasonable."
12	Is that correct?
13	A. Yes, that's correct.
14	Q. Now I'd like to turn to your table on page 82.
15	None of your constant gross DCF results are as
16	high as 9.75. Isn't that correct?
17	A. Yes, that's correct. My testimony places a
18	lot of discussion on the concerns about the constant
19	growth DCF. That's true.
20	Q. In fact, your low means for the 30, 90, and
21	180 day average ranged from 8.53, 8.53, to 8.52,
22	respectively. Your means go from 9.01, 8.89, and 8.7,
23	respectively. And your high means on the hundred-day
24	average is 9.75, and only your high means for the 30-day
25	average come close to 9.75 as at the result of 9.69.

1	Did I read that chart correctly?
2	A. I'm not exactly sure where you were reading
3	from in that chart. I followed you on the lows, but
4	Q. Did I jump wrong in the highs?
5	Could you read what your high means are for
б	your DCF analysis?
7	A. So in my direct, they were 9.69, 9.45, and
8	9.45. And in my rebuttal they were 9.89, 9.86, 9.54.
9	Q. And your rebuttal is on RMP Exhibit AEB-1R?
10	A. Correct.
11	Q. Okay. And again, your low means average go
12	from 8.45 to 8.45 to 8.43?
13	A. Yes, that's correct.
14	Q. And your means go to 9.00, 8.89, and 8.76.
15	And you've already discussed your high means.
16	A. Yes.
17	Q. Is that correct?
18	A. Yes, that's correct. And if you sort of
19	looked at the projected DCF that you talked about
20	earlier in my direct, the high ratings would be 9.9, and
21	as prices dropped off, the highs in my constant growth
22	DCF were 9.89. So it kind of demonstrates directionally
23	that that wasn't so far off, huh?
24	Q. Well, good point.
25	It is apparent that you put very little weight

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1	in these models, isn't it? You almost totally
2	disregarded them to get to your recommendation of 10.20.
3	A. So, again, I did consider all of the models
4	that are here. My testimony discusses, at length, the
5	concerns that I have with the constant growth DCF.
6	I think I would say each analyst in this case
7	has considered their models and how much weight to place
8	on every one of those models. So, for example,
9	Dr. Woolridge places no emphasis on his CAPM, which is
10	at 7.6.
11	So I think the process has been that each
12	person has developed their models and considered the
13	appropriate weight to place on the results of those
14	models.
15	I have placed I have had demonstrated
16	concerns with the constant growth DCF. Certainly in
17	direct, my concern was that utility stock prices were
18	high, driving the dividend yields to be low. In
19	rebuttal, as we see, markets corrected and the DCF
20	results came back higher, and analysts were expecting
21	that they were still too high at that point, so again,
22	causing concern that the results of that that that
23	model might still be underpredicting.
24	Q. Okay. We'll get to that.
25	Isn't it true that your prediction of low

1	utility stock prices is directly tied to your prediction
2	that long-term interest rates will go up in the near
3	term when rates will be in effect? Isn't that correct?
4	A. I don't think there's a direct tie there. I
5	think that's actually been fairly loose over time.
6	Q. May I direct your attention to page 50 and 51,
7	I believe, of your of your direct testimony?
8	A. Fifty is the capital asset pricing model.
9	Q. I think so. Maybe I have your let me try
10	your surrebuttal testimony. I apologize.
11	A. I did not file surrebuttal testimony. I have
12	rebuttal testimony.
13	Q. Your rebuttal testimony.
14	A. Page 50 of my rebuttal testimony.
15	Q. Yes. Could you read line the first
16	sentence in on line 1027?
17	A. Yes. "An increase in long-term interest rates
18	will cause utility investors to move back into long-term
19	government bonds, as the yields on those bonds become
20	more competitive with the dividend yields of utilities."
21	Q. Keep going.
22	A. Oh. "A decrease in the stock price of
23	utilities resulting from such a shift will increase the
24	dividend yields of utilities."
25	That's, I think, what we saw. We were just

1	looking at that in our comparison of the direct versus
2	rebuttal DCF results.
3	Q. So there is a you would call it an indirect
4	or loose connection between the your testimony, the
5	prediction of long-term interest rates and the DCF
6	model? From what you just read.
7	A. Yes, there is a relation there. I would say
8	that as I said, I would say that it's loose.
9	Maybe it's sort of useful to demonstrate
10	Oh. I have a chart that might be helpful here.
11	I'm not sure if this is the point you're
12	trying to address. Let me see if I can be helpful.
13	Q. All right. We'll wait.
14	A. Let's see. I'm not maybe it's presenting.
15	Are you seeing anything presented yet? Oh,
16	here it is.
17	Q. Here you go.
18	A. Okay. So the relationships, like I said, are
19	fairly loose. I'm going to show you two different
20	charts. So the first is the this chart here is the
21	federal funds rate that has shown over time some
22	decreases, you know, in the as a result of the
23	financial market collapse. It stayed low for a period
24	of time, was on its way back up, and then most recently
25	has been low as a result of the pandemic.

Page 12	20
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1	But what happens in the marketplace is that
2	doesn't really translate the same way. This is the
3	30-year Treasury bond yield, showing quite a bit of
4	fluctuation in the market overall, and not at all really
5	related to that interest rate.
6	So that's what I mean when I say a sort of
7	loose there's a loose relationship here. Because,
8	you know, obviously, this chart doesn't look anything
9	like this chart.
10	Q. Right.
11	A. Right? So the relationship for interest rates
12	doesn't really translate perfectly. That's where I
13	was what I was trying to say.
14	Q. All right.
15	A. If you have a federal funds rate and the
16	discussion from the fed that they're going to hold
17	interest rates constant forever, that's not necessarily
18	going to or for a period of time, that doesn't really
19	affect the 30-year Treasury as one might think it does.
20	And that, then, would be the more appropriate thing to
21	think about in terms of the DCF, right, would be the
22	risk-free rate that investors could actually get.
23	Is that where you were headed?
24	Q. No, but that's a good point. We'll get back
25	to that.

1	Let's talk about your CAPM model. Your
2	projection that interest rates will go up in the near
3	term is essential to your CAPM model because they
4	directly affect the projected free-risk interest rates
5	which are a component of the equation. Isn't that
6	correct?
7	A. Yes, that's the concept here that I'm talking
8	about. Maybe we got to it too early.
9	Q. Yeah.
10	Now, can I have you go to your rebuttal
11	testimony, page 26?
12	A. Page 26. I'm there, yes.
13	Q. Could you read the first full sentence of
14	that of line that starts in line 482?
15	A. 482
16	"As shown," is that where you would like me to
17	start?
18	Q. Yes, please.
19	A. Okay. "As shown in Figure 8, while the share
20	prices of utilities declined in 2020, as investors
21	rotated from utilities to Treasury Bonds due to the
22	economic effects of COVID-19, the P/E ratios for my
23	proxy group companies in 2020 are still well above the
24	historical average levels over the past decade."
25	Is that the only sentence you need?

1	Q. Yes.
2	A. Okay.
3	Q. Now can I direct your attention to page 37 of
4	your direct testimony?
5	A. Yes, I'm there.
6	Q. You know, I had that misquoted. I'll just
7	skip that. You covered that.
8	On page 50 and 51 of your rebuttal
9	testimony
10	A. Yes, Im there.
11	Q. On line 1023 to 1034, may I have you read
12	that?
13	A. 1023 to where? We've read portions of this
14	already into the record, I think.
15	Q. That's right.
16	Yes. Could you just read it again, starting
17	with, "Investors" it's in the middle of 1023, where
18	it says, "Investors continue to expect an increase in
19	long-term interest rates over the intermediate to
20	long-term," and continue reading until you get to the
21	end of your question.
22	A. The end of my question? Okay, so we're going
23	to reread the section that we already read into the
24	record?
25	Q. Yes, please.

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1	A. Okay. So I will just start at the beginning
2	of that sentence on 1023 so that it makes sense.
3	"Section V of my rebuttal testimony notes that
4	investors continue to expect an increase in long-term
5	interest rates over the intermediate to long-term
6	despite the recent decline in yields on long-term
7	government bonds due in large part to the Federal
8	Reserve's effort to stimulate the economy and stabilize
9	financial markets during the COVID-19 pandemic."
10	I think this section we've already read, but
11	I'll read it again.
12	Q. Right.
13	A. "An increase in long-term interest rates will
14	cause utility investors to move back into long-term
15	government bonds, as the yields on those bonds become
16	more competitive with the dividend yields of utilities.
17	A decrease in the stock price of utilities resulting
18	from such a shift will increase the dividend yield of
19	utilities."
20	Is that where you want me to stop?
21	Q. No. Keep going until you get to "decrease
22	over time."
23	A. Okay.
24	"Thus, the forward-looking cost of equity
25	using the DCF model will increase. The projected stock

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1	prices developed by the Value Line reflect this
2	relationship. Consistent with market expectations,
3	Value Line projects that the valuations of the companies
4	in my proxy group will decrease over the near-term."
5	Q. And it seems to me that you're making the
6	point that is the decrease of the value of utility
7	companies is tied to the interest rate's environment at
8	the time. Is that correct? Because the investors are
9	rotating out of government bonds as interest rates goes
10	up, into utility stocks
11	A. Yes, the
12	Q then out of utility stocks, into bonds,
13	when the interest rate goes up, driving the price down.
14	Is that correct?
15	A. That is a sector rotation, yes.
16	Q. Now, interest rates are essential to all of
17	the models you use, isn't that correct, either directly
18	or indirectly?
19	A. They are related to the models, yes. Central
20	is strong, but they are related to all the models.
21	Q. All right.
22	A. As I pointed out in the charts that I've been
23	presenting. So it depends on which rates you're
24	referring to as well, right? The federal funds rate
25	that we're looking at here is not used in the model, but

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1	the 30-year Treasury that's shown here is used in the
2	model.
3	Q. All right.
4	A. So it sort of depends on which rates you're
5	referring to.
б	Q. We'll get to that right now, actually.
7	Are you aware that on page 8 and 9 of
8	Professor Woolridge's surrebuttal, he states the Federal
9	Reserve chair, Jerome Powell, stated in a September 4th
10	interview with NPR that, "We think that the economy is
11	going to need low interest rates to support economic
12	activity for an extended period of time; this will be
13	measured in years"?
14	A. So I don't necessarily know that portion of
15	Dr. Woolridge's testimony, but I am familiar with
16	Chairman Powell's testimony on that topic.
17	I think two days prior to that, Vice Chair
18	Richard Clarida had some comments as well that provided
19	a little bit more color on this. And this goes back to
20	these two charts that I keep referring to here.
21	Where the Federal Reserve is addressing the
22	federal funds target rate, which is shown in this chart,
23	the yield curve, the 30-year Treasury, for example, is
24	separate and apart from that. And the Vice Chair
25	Clarida's comments I think it was August 30th

1	suggested that they did not intend to touch the yield
2	curve.
3	So they're focused on this chart here, not
4	this chart here. And you can see that from the chart,
5	right? Obviously, they've held this federal funds rate
6	low in 2020. The federal funds rate is the interbank
7	lending rate, right? So that's
8	Q. Right.
9	A for banking. And then the 30-year Treasury
10	is what one might get if they were to invest in the
11	30-year Treasury. And so you can see that that yield
12	has moved completely independent from the Federal
13	Reserve's decision to maintain the federal funds rate at
14	a low level.
15	Q. May I direct your attention to OCS Cross
16	Exhibit No. 3?
17	A. Sure.
18	Q. Do you have
19	A. I do have it.
20	Q access to the OCS cross exhibits?
21	A. I do. They're in electronic form, so if you'd
22	just give me a second to open them, that would be great.
23	Yes, I have that open. This is an article
24	titled, "Fed expects to keep rates near zero through
25	2023."

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Is that correct?

# Q. That's correct.

A. Yep, that's this rate that we're talking about, the federal funds rate, in my chart.

Q. In your chart.

Isn't it true that the federal reserve has mechanisms in their disposal to keep interest rates low, long-term interest rates as well?

9 As I just mentioned, though, I think the Α. Yes. 10 comments from Vice Chair Clarida that were a couple of 11 days prior to the quote that was provided -- that you 12 provided to me from Dr. Woolridge's surrebuttal, 13 indicated that yield curve wasn't something that they were going to be addressing. And I think that's fairly 14 15 evident from this other chart that I have, right?

So if you look at -- again, this is the near zero. Here we are at the federal funds rate at 0.25 percent being held. And so that's what we're referring to here when we talk about the rates would be held near zero. Obviously, that has not been the case. As I recall, you said that Chairman Powell's comment was early September.

23 So if you look at this particular chart of the 24 30-year Treasury, and you look at September on this 25 chart, it's obvious that this is not being kept near zero by the Federal Reserve, right? It's floating very
 freely.

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# Q. And when does that chart end?

A. This chart ends October of -- the end of the month. So October 28th I think was the data that I had available to me.

So you could see at the bottom, September 7 is -- if you're going from the right, it's one, two --8 9 it's the second white section of the chart. That's sort 10 of where September starts, and then October starts at 11 the rightmost white bar on the chart. And so obviously, 12 you can see that since September, the 30-year Treasury 13 has increased, even though Chair Powell's comments with 14 respect to interest rates in September -- again, those 15 were related to these interest rates, the federal funds rates --16

17Q. Could you give me a cite -- excuse me, I18didn't mean to interrupt you.

19

A. No, no, that's fine.

20 Q. Could you give me a cite to vice chair's 21 comments?

A. Yeah. It was August 30th. I believe it's August 30th. I could, maybe at a break, pull up the -and provide a proper citation. I know when you go to the Federal Reserve web page, you can get all the

1	speeches listed by date.
2	Q. All right.
3	A. I believe it was August 30th.
4	Q. Do you dispute Professor Woolridge's
5	contention on page 19 and 20 of his direct testimony
6	that as his rebuttal testimony, that several academic
7	articles have proven that over the last decade Wall
8	Street economists have been consistently predicting high
9	interest rates, and these economists have been
10	consistently wrong?
11	A. I'm sorry, what page of the testimony is that?
12	Q. Page 19 and 20.
13	A. This is of his surrebuttal, you say?
14	Q. No, no. This is of his direct testimony.
15	A. His direct testimony. I'm sorry. Let me pull
16	that up.
17	I see his testimony on those pages, yep.
18	Q. There are several articles referenced in his
19	footnotes. Footnote 10, 11, and 12.
20	A. Ten, 11, and 12. I see those articles, yes.
21	Q. They include an article entitled, "Economists
22	got it wrong for a decade, and they're trying to figure
23	out why." That's a 2015 article.
24	A. I do see that title. That's I see that.
25	Q. And there's another one saying, "Interest

1 rates forecasters are shockingly wrong almost all the 2 time." 3 I do see that article title, yes, that's true. Α. 4 And another one, "How interest rates keep 0. making people on Wall Street look like fools." 5 Α. I see that title as well, yep. 6 Do you have any reason to dispute the 7 ο. conclusion or -- Mr. -- Professor Woolridge's contention 8 9 that these articles stand for the proposition that 10 economists have been predicting higher interest rates 11 for the last decade, and they've been wrong? 12 Well, I think they have actually ebbed and Α. 13 flowed. If you're sort of looking at this particular excerpt right here, you can see in my chart that 14 15 interest rates are higher and lower at periods of time. 16 So I'm not entirely sure, just by the catchy 17 titles of those articles, specifically what they entail, 18 but the actual yields do move, as evidenced here. 19 I would also note that the normalized rate 20 that Dr. Woolridge used is actually higher than the 21 projections that I relied on in the short term. So in 22 his CAPM, he's relying on -- I believe it's two and a 23 half percent at his risk free rate as a normalized 24 risk-free rate, where in the short term I think I relied 25 on a number that was about 1.81 maybe.

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Q. What was your -- what was your long-term number?

4 Α. So I was getting to that. The long-term number I think was 320, and that is actually within the range that Duff & Phelps established when -- in their --Duff & Phelps didn't just pick a point estimate for a 7 normalized return. Their analysis includes a range. The range goes over four.

10 So my long-term view is actually within the 11 range that was established by Duff & Phelps. And that 12 is actually in -- let's see. In the surrebuttal 13 testimony provided by Mr. Coleman, there is a Duff & 14 Phelps article there. I think it is Attachment 1 to his 15 surrebuttal.

And there is -- on page 50, actually, of that document, there's a discussion of how they've developed their risk-free rate. So the range goes up to 4.3 So I'm within that rate. percent.

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What is the risk-free long-term rate? 0.

Well, as I said, there's a range that they Α. establish. So it's from 1.4 to 4.3.

23 Okay. Would you agree with me that if someone 0. 24 is able to predict interest rates, they could make a 25 good living as a hedge fund manager in Wall Street?

1	A. You know, I'm not really sure what it takes to
2	be a hedge fund manager, so I'm not going to opine on
3	that.
4	Q. All right.
5	A. I don't think I think that's outside of my
6	scope in this case.
7	Q. That's outside of your scope?
8	But you but is your testimony that people
9	can actually predict what will happen with interest
10	rates three to five years out?
11	A. Well, no. Let's be clear about what I'm
12	relying on and what we're doing in this exercise in
13	setting the cost of capital. What we're looking for is
14	the investor-required return on equity. So what I'm
15	relying on is what investors' expectations are, and that
16	should feed into what their expectations are for a
17	return on a forward-looking basis.
18	So I think that's an important consideration.
19	If investors are expecting that to occur, that's an
20	important factor to consider.
21	All of my analyses also considered the 30-day
22	average of the Treasury bond yield as well, but I do
23	think it's important to look when we're setting a
24	return that is meant to satisfy investors' expectations,
25	that's a forward look, and so it's important to consider

	-
1	what investors are thinking about all of the
2	assumptions.
3	Q. And you're making the assumption that
4	investors are thinking that interest rates will be
5	higher three to five years out?
6	A. Oh, I'm not making that assessment by myself,
7	no.
8	Q. Okay.
9	A. I'm relying on a consensus estimate of 50
10	economists in the publication that I relied on.
11	Q. That would go back to the articles that
12	Professor Woolridge cited talking about the economists
13	being wrong consistently.
14	If those hypothetically let's ask
15	this because you haven't had a chance to read through
16	them. They were in the testimony. But hypothetically,
17	wouldn't you expect articles talking about the accuracy
18	of economic well, my point is let me start over.
19	These articles deal with objectual projections
20	with objectual facts, not ranges or judgment. What
21	they do is they look at the projections of a higher
22	interest rates at one time, and they compare them to
23	what interest rates actually occurred.
24	Would that make sense to you?
25	A. That's true, I'm assuming; I haven't read the

that would be one way to validate. I'll give you that.

But if you were to be trying to validate,

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articles.

Q. Okay. 4 Α. I don't know what the article has done. I do think that -- one thing that I do think 5 6 is interesting is that this is the subject of tremendous scrutiny for Dr. Woolridge, the production -- or the 7 expectation of interest rates, yet the expectation of 8 9 growth that's used in the DCF model has not entered any 10 concern in his analysis. They are both expectations, 11 and they are both approximately three to five years in 12 the future. 13 ο. Right. 14 Α. So I think it's important to recognize that 15 each of these models has -- in order to be considering a 16 forward-looking cost of equity, each one of these models 17 has some expectational information that's been relied 18 And so I think that's an important factor to on. 19 consider. 20 Certainly, Dr. Woolridge has relied, I think his testimony says, primarily on his DCF results using 21 22 the projected earnings-per-share growth rates. Which he 23 has pages in his testimony that he says he has concerns 24 about those growth rates, but he's relied primarily on 25 those in the development of his final recommendation.

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1	And again, they are projected, they're not
2	Q. Right. We'll let your lawyers do
3	THE REPORTER: I'm sorry, I didn't hear the
4	last word. "They are projected, they're not"
5	THE WITNESS: Known.
6	THE REPORTER: Thank you.
7	THE WITNESS: Sure.
8	THE REPORTER: Go ahead.
9	BY MR. MOORE:
10	Q. All right. Well, I'll let your lawyers deal
11	with Dr. Woolridge's testimony, his turn.
12	May I direct your attention to page 114 of
13	your rebuttal testimony?
14	A. Yes, I'm there.
15	Q. I think you were stating, in response to
16	Professor Woolridge's testimony, that academic articles
17	demonstrate an upward bias of Wall Street's analyst
18	reports of EPS growth.
19	When you say that you discussed well, why
20	don't you could you read what you said, starting at,
21	"As discussed previously in my rebuttal"?
22	A. Sure. So you want me to read at line 2325,
23	the first the sentence that starts "As"? Is that
24	what you're looking to do?
25	Q. Please.

1	A. Sure.
2	"As discussed previously in my rebuttal
3	testimony, recent academic research has found that
4	analyst bias has been reduced or eliminated, if it ever
5	existed, after the financial market reforms of early
6	2000s."
7	Q. Were you
8	A. Do you want me to just this?
9	Q. Yes, that's great.
10	Were you referring to page 94 and 95 of your
11	rebuttal testimony when you addressed a quote from a
12	McKinsey article?
13	A. I'm sorry. The pages that can you refer me
14	back to the pages so I can be sure?
15	Q. Yes, 94 and 95.
16	A. Yes, that does reference the same topic.
17	Q. Okay. Let me get there.
18	Could you read into the record the quote that
19	you have excerpts there from the McKinsey article?
20	A. Sure.
21	"Exceptions to the long pattern of excessively
22	optimistic forecasts are rare, as a progression of
23	consensus earning estimates for the S&P 500 shows
24	(Exhibit 1). Only in years such as 2003 to 2006, when
25	strong economic growth generated actual earnings that

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1	caught up with earlier predictions, do forecasts
2	actually hit the mark. This pattern confirms our
3	earlier findings that analysts typically lag behind
4	events in revising their forecasts to reflect new
5	economic conditions. When economic growth accelerates,
6	the size the forecast error declines; when economic
7	growth slows, it increases. So as economic growth
8	cycles up and down, the actual earnings S&P 500
9	companies report occasionally coincide with the
10	analysts' forecasts, as they did, for example, in 1988,
11	and from 1994 to 1997, and from 2003 to 2006."
12	Q. Yes.
13	Now, I'm going to have you turn to OCS's
14	Exhibit No. 8, which is a page from Dr from
15	Professor Woolridge's testimony, quoting the same
16	article.
17	He has an emphasized he has a are you
18	there?
19	A. I'm sorry, no. I've lost you. Where are you?
20	Q. I'm on I didn't know if you would have
21	Dr. Woolridge's testimony, so I made it into an exhibit
22	for reference.
23	A. Okay.
24	Q. That would be Exhibit 8.
25	A. Okay. Hold on one second. Let me just get

1 that. Exhibit 8, you said?	
2 Q. I believe so. If not, if you have	
4 A. I'm just waiting for it to pull up.	
5 Q. All right.	
6 A. Okay, I have that.	
7 Q. Okay. You see the long quote that's sepa	arated
8 from the text?	
9 A. I do see that, yes.	
10 Q. And this is the same article that you were	:e
11 referring to?	
12 A. Um	
13 Q. It's in the footnote 17, "Equity analysts	5:
14 Still too bullish."	
15 A. Let me go back and check.	
16 Yes, that's the same article. That's con	rrect.
17 Q. Could you read the concluding sentence th	nat's
18 been emphasized?	
19 A. Sure. The sentence the underlined	
20 sentence, yes. It says, "Moreover, analysts have b	been
21 persistently overoptimistic for the past 25 years,	with
22 estimates ranging from the 10 percent" "from 10	to 12
23 per" ah, try that again "10 to 12 percent a y	year,
24 compared to the actual earnings growth of 6 percent	- •
25 Over this timeframe, actual earnings growth surpass	sed

forecasts in only two instances, both during earnings 1 recovery following a recession. On average, analysts' 2 3 forecasts have been almost 100 percent too high." 4 0. Now I would like to direct your attention to OCS Cross Exhibit 5A. 5 I would note this entire article is addressed 6 Α. in my rebuttal testimony. And as I said in my rebuttal 7 testimony, the period that was analyzed in this article 8 9 extends through 2008 and includes the financial market 10 So very difficult to expect the analysts collapse. 11 would have been able to predict the severity and 12 magnitude of that financial crisis. 13 ο. Well, they didn't, did they? 14 Α. Well, I'm not sure anyone could. So the 15 concept that you could, you know, predict the onset of 16 that crisis, and the magnitude of it and how much it 17 would disrupt markets overall on a three- to five-year 18 look forward, would be unfathomable. 19 So the answer is no, they couldn't predict it? ο. 20 Α. No. 21 I mean, obviously. Q. 22 No one could. Α. 23 All right. Q. 24 Can I direct your attention --25 Α. That doesn't make their forecast inherently

#### Public Hearing October 29, 2020 Page 140 1 It does say that you can't possibly expect that wrong. 2 an analysis will predict a major market collapse. 3 0. Could you look at --4 CHAIR LEVAR: Mr. Moore, this is Thad LeVar. Before you go to this next exhibit, I think it's 5 probably a good time to take a recess. I don't know if 6 this is a good stopping point for you or if you'd like 7 to go a little bit further. 8 9 MR. MOORE: I'm almost done. 10 CHAIR LEVAR: Okay. 11 MR. MOORE: And I have no problem stopping 12 here --13 CHAIR LEVAR: For a break? 14 MR. MOORE: -- for a break. I just have a few 15 more questions. If you feel that -- I see that it's 16 12:30. It's a little bit late. We can stop here. 17 CHAIR LEVAR: Yeah, why don't we do that. Whv 18 don't we come back in one hour, and then you can 19 continue at that point. 20 MR. MOORE: All right. Thank you. 21 CHAIR LEVAR: Thank you. We're in recess for 22 one hour. 23 (Whereupon a lunch recess was taken.) 24 CHAIR LEVAR: We'll go back on the record and 25 we will continue with Mr. Moore's cross-examination of

1	Ms. Bulkley.
2	Go ahead.
3	BY MR. MOORE:
4	Q. Ms. Bulkley, may I direct your attention to
5	OCS Exhibit 5A?
6	A. Yes. I'm there.
7	Q. This is an excerpt of the McKinsey study we've
8	been referring to; is that correct?
9	A. It is yes. I don't know if it's an
10	excerpt, but it is the McKinsey study. I haven't been
11	through the entirety of it.
12	Q. Can you turn to page 2, the second page of the
13	exhibit?
14	A. So page 15 of the study?
15	Q. Yes.
16	A. Yes, I'm there.
17	Q. The graph on the bottom of the page, do you
18	see that?
19	A. I do.
20	Q. Yeah, that graph is a graph of the last
21	25 years of the analyst predictions, and the average
22	and it comes out to about the predictions, about to
23	12.2 to 12 percent you have for earnings per share.
24	Would that be a rough I know we can't tell
25	by looking at that, but that's just about right,

1 correct? The dotted line that's actually 13. 2 The dotted line that says 13. I'll agree to Α. 3 that. 4 0. And the --I don't know what it actually is supposed to 5 Α. represent, but --6 Long-term average forecast. Where the blue 7 0. line is right -- is representing the actual -- what 8 9 actually happened to the earnings per share. 10 MR. MOSCON: Mr. Moore, I'm sorry to belatedly 11 do this, but we've been trying to find it. Could you 12 restate which exhibit you're looking at? I realize I'm 13 the only one that hasn't found it, but I haven't. 14 MR. MOORE: It's 5B -- 5A. I have two 15 exhibits, 5A and 5B. 5A has the excerpt that I'm 16 talking about. 5B is the entire study. 17 MR. MOSCON: Okay. And 5A you sent -- you 18 took to the second page, and that's where we're at? 19 Okav. Sorry --20 MR. MOORE: This would be page 15. 21 MR. MOSCON: Thank you. Sorry to interpret. 22 Are you with me? MR. MOORE: 23 MR. MOSCON: I'm seeing lines, so I think I'm 24 there. 25 MR. MOORE: All right.

1 BY MR. MOORE: 2 And in the corner of the page, over the term Ο. 3 "overly optimistic," there's a little excerpt that says, "Actual growth surpassed forecasts only twice in 25 4 5 years -- both times during the recovery following a 6 recession." 7 Do you see that? 8 Α. I do see that. I'm missing pages 2 through 9 14, though, in this document. 10 Q. Well, could I direct your attention to 11 Exhibit 5B? Which is the whole study, if you want to 12 look at that. 13 Α. That would probably be helpful. Let me just 14 that a minute to open that. 15 Okay. Yep. 16 All right. Getting back to page 15, or the 0. 17 second page on Exhibit 5A, the graph on the bottom of 18 the page. Doesn't this depict that as -- the authors of 19 20 the study state that estimated -- long-term estimated 21 forecasts generally are widely higher than the actual 22 forecast? 23 I'm not entirely sure what this suggests, Α. 24 without having read the entirety of the document. But 25 certainly, it looks like the 7 percent is less than 13.

1	I'll say that.
2	Q. All right.
3	A. That's about what I can tell you. I
4	haven't you know, obviously, I just skipped briefly
5	from page 1 to 15 in less than a minute. So
6	Q. Well, you quoted from this article in your
7	testimony.
8	A. Yes. I just haven't committed it to memory,
9	so I would need to
10	Q. All right.
11	A review that. So
12	MR. MOORE: I will move to admit both Exhibits
13	A 5A and 5B.
14	CHAIR LEVAR: If anyone objects to that
15	motion, please unmute yourself and state your objection.
16	I'm not hearing or seeing any objection, so
17	the motion is granted.
18	MR. MOORE: With that, I'll end my
19	cross-examination.
20	CHAIR LEVAR: Okay. Thank you, Mr. Moore.
21	Ms. Baldwin, do you have any questions for
22	Ms. Bulkley?
23	MS. BALDWIN: Yes, thank you. I just have a
24	few.
25	CHAIR LEVAR: Okay. Go ahead.

1	CROSS-EXAMINATION
2	BY MS. BALDWIN:
3	Q. Good afternoon, Ms. Bulkley.
4	A. Good afternoon.
5	Q. Do you recall this morning I think you were
6	discussing with Mr. Moore the business risk factors that
7	rating agencies look at when they award credit rating to
8	public utilities, in addition to other companies?
9	A. Yes, I do recall that discussion.
10	Q. Did you look at the business risk factors for
11	the companies that you used in your comparables in this
12	case?
13	A. I did look at some risk factors, yes, on
14	Exhibit AEB-10, and also I looked at CAPX in comparison
15	to the proxy group on AEB-9.
16	Q. Do you feel you have a fair understanding of
17	the those risk factors for why PacifiCorp is awarded
18	the rating that it is?
19	A. So I think we should talk a little bit about
20	ratings first, because there's a little bit of a
21	misconception here about what ratings are offering.
22	So the ratings are looking at a risk of
23	default, first of all, and when you're looking at
24	that so this is on the debt side, not the equity
25	side, which I think is an important factor to recognize.

This is 1 So this does not necessarily affect the ROE. 2 not investor expectations, but a default risk. That's 3 what the ratings are measuring. So I think that's an 4 important consideration, number one. Number two, this is looking at PacifiCorp as a 5 whole, not any one individual subsidiary operation. 6 Whereas, when we're setting the return in this case, 7 we're looking at what is the appropriate return for 8 9 Rocky Mountain Power in this state. 10 And so that level of information is not -- at least not transparent in a ratings report, that they 11 12 have looked at the individual subsidiary level analysis, 13 and as I said, it's for credit default purposes. 14 So what is it that they look at for something 0. 15 like Rocky Mountain Power? Or what is it you take into 16 consideration for Rocky Mountain Power? 17 Α. As I noted in my testimony, I've looked at a 18 variety of risk factors. I've looked at what's the --19 whether there's a fuel cost recovery mechanism, what the 20 test year is, what the rate base is, is there 21 decoupling, capital cost recovery. I've looked at the 22 overall CAPX for the company as compared to the 23 operating companies -- the subsidiary operating companies of the proxy group. So all of their 24 25 individual utility operating companies, as compared to

1	this utility operating company
1	this utility operating company.
2	Q. So are you aware that NV Energy is a sister
3	company to PacifiCorp?
4	A. Yes.
5	Q. And are you aware that it has subsidiary
6	operating companies as well?
7	A. Not specifically, but that's excuse me.
8	Pardon me. That's probably the case.
9	Q. So you but you never even considered taking
10	into consideration what NV Energy's operating companies
11	how they compare being also Birkshire
12	Hathaway-owned companies, how they compare to PacifiCorp
13	or Rocky Mountain Power?
14	A. No, I would not do this that in this
15	analysis.
16	Q. Okay.
17	A. This analysis is looking at what the return on
18	equity should be for this individual operating
19	subsidiary as compared to the proxy group.
20	So we're using public market data for a set of
21	utility companies, which is the best public information
22	that we have. Within those companies there are many
23	utility operating companies. Would it be more ideal if
24	there were market data on each of those individual
25	utility operating companies? It would. But what we

have is market data on the parent company level.

So we're using the parent company-level
information, but then in order to assess the risk
associated with this individual subsidiary, we're
looking at the relative risks of the utility
subsidiaries of the parent companies not of Rocky
Mountain Power's parent company, but the companies
that we're using in our data set to calculate the
returns.
Q. But in that data set, you never considered to
use NV Energy, only MidAmerican?
A. Well, I wouldn't be able to do that, because
they don't have any public pricing data to run through
our model. So
Q. NV Energy you're claiming so I'm sorry
to interrupt, but so is your testimony that
NV Energy does not have public market data? The parent
company, NV Energy.
A. My I would have to verify that, but I'm
pretty sure that NV Energy no longer has a stock price,
that it's not traded publicly anymore.
Q. Okay.
Subject to check, I think that you are wrong

24 on that point.

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Is it also your position that MidAmerican does

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1	not have is not publicly traded?
2	A. Yes, it is. My understanding is that they
3	would all be under the parent company that they are
4	at the operating-company level, that they are not traded
5	independently anymore.
6	Q. That MidAmerican and NV Energy are not traded
7	publicly?
8	A. I don't believe so.
9	Q. Okay.
10	Would you accept, subject to check, that
11	Nevada Power Company, who is a sister company to Rocky
12	Mountain Power, has just recently settled their rate
13	case for an ROE of 9.4 percent?
14	A. I'm unaware of that.
15	Q. Okay.
16	MS. BALDWIN: I have no further questions.
17	THE WITNESS: Again, it's a settlement, but
18	I'm unaware of it
19	MS. BALDWIN: I have no further questions.
20	THE REPORTER: I'm sorry. You're talking at
21	the same time. Could I hear that again?
22	THE WITNESS: Sorry.
23	MS. BALDWIN: I have no further questions.
24	THE REPORTER: And then what you were saying,
25	Ms. Bulkley?

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1	THE WITNESS: Oh, that I was unaware. But it
2	was a settlement. I'm sorry.
3	THE REPORTER: Thank you.
4	THE WITNESS: We spoke at the same time.
5	CHAIR LEVAR: Thank you, Ms. Baldwin.
б	Mr. Russell, do you have any questions for
7	Ms. Bulkley?
8	MR. RUSSELL: No, I do not. Thank you.
9	CHAIR LEVAR: Okay. Thank you.
10	Mr. Sanger?
11	MR. SANGER: No, I do not. Thank you.
12	CHAIR LEVAR: Okay. Mr. Boehm?
13	MR. BOEHM: No questions, your Honor. Thank
14	you.
15	CHAIR LEVAR: Okay. Thank you.
16	Mr. Moscon, any redirect?
17	MR. MOSCON: Yes, just a couple of questions.
18	And I'm going to ask Mr. Sabin to send to everyone an
19	e-mail, because if I did it myself, I'm sure I would
20	disconnect from the proceeding and cause a feedback loop
21	and other giant issues.
22	But this a there should just be two pieces
23	of information here. Well, there's three pages, two of,
24	you've everyone's seen before. But just so it's all
25	in one place.

1	REDIRECT EXAMINATION
2	BY MR. MOSCON:
3	Q. Ms. Bulkley, you just went through a little
4	bit of discussion with Ms. Baldwin, as you had
5	previously with both Mr. Moore and Ms. Schmid, on the A3
6	rating that PacifiCorp has, and an implication that if
7	it's got such a strong rating, there should be no
8	investor risk.
9	Do you recall generally these questions by all
10	those parties?
11	A. Yes, I do.
12	Q. Okay.
13	One of the items that was just emailed
14	around and I'm I don't know if everyone has had a
15	chance to see their inbox, so maybe I should ask you to
16	share your screen, to pull it up is going to go to a
17	risk factor on the regulatory environment that Rocky
18	Mountain Power operates in.
19	While are you do you have that document
20	there handy that you could pull that up and put on a
21	screen?
22	A. I do. Let me see if I can be as good at it as
23	earlier.
24	Q. It's called Redirect No. 1, if that helps.
25	A. So I believe that I'm sharing the documents

1 | well, maybe it hasn't come through yet.

2 Is this the document that you are referring 3 to?

Q. Okay. Scroll down in that document. Keep going. Keep going to the page with the pie chart. Stop right there. You'll see there's something that's highlighted.

8 Now, do you recall in your testimony 9 referencing the fact that Rocky Mountain Power was in a 10 jurisdiction in which its regulatory environment posed 11 some risks that investors would consider, and it was one 12 of the factors making Rocky Mountain Power risky 13 compared to the proxy group? Do you remember that part 14 of your testimony?

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A. Yes. Yes, I do.

Q. With -- is the data that's here on this Exhibit -- or Redirect Exhibit 1 information that you had reviewed or relied upon in making that reference?

A. Yes, it is. So this document is a summary from Regulatory Research Associates, which is a subsidiary of S&P. It's part of S&P's Global Market Intelligence -- maybe it's -- yeah, I think it's Global Market Intelligence division. And they review the regulatory jurisdictions and rank them. And so this information was what I relied on with respect to the

1 Utah jurisdiction, and I made those comments in my 2 rebuttal testimony. 3 ο. Okay. So if you look specifically at the 4 highlighted paragraph that's in yellow -- will you just read for us that highlighted paragraph? 5 6 Certainly. Α. "RRA is reducing the rating of Utah regulation 7 to Average/2 from Average/1. This is driven primarily 8 by a recent restrictive Public Service Commission of 9 10 Utah decision for Dominion Energy, Inc. subsidiary 11 Questar Gas Company, in which the commission adopted a 12 below industry average equity return and directed the 13 company to phase-in a relatively modest rate increase. This in conjunction with constructive developments in 14 15 certain other jurisdictions caused a shift in Utah's 16 relative position within the RRA rankings framework." 17 Q. Okay. Thank you. 18 Could you put on -- as long as you're doing 19 this far bettor than I would -- share on your screen the 20 other two documents, which are the charts that have been 21 referred to several times during your cross-examination. 22 Α. Sure. 23 One, I believe, is the fed rate. So it's 2 ο. 24 and 3, Redirect 2 and 3. Although, I don't expect you

to put both on at the same time. Let's start with 2.

25

1	A. Just one minute.
2	Okay. I have it pulled up. Let me try to
3	present it. It should be coming.
4	Q. All right. And I don't know if it's possible
5	to get the No. 3 in the queue, or if it's not, the
6	way that they've been separated.
7	But do you recognize this chart?
8	A. I do.
9	Q. And then you had, from time to time, been
10	drawing comparisons between that and the yield curve,
11	which is there we are. You have it perfect. That
12	one right there.
13	So would you describe for the Commission the
14	interplay between the Cross Exhibit 2 and the Cross
15	Exhibit 3 or the Redirect excuse me, Redirect 2
16	and Redirect 3?
17	A. Well, so Redirect 2 is the federal funds rate.
18	So this is the interbank lending rate, and this is a
19	rate that is set by the Federal Reserve for the
20	borrowing between banks. And that is the rate that the
21	Federal Reserve is setting pretty close to it's .25
22	percent at this time. 0.25 is their target range for
23	this rate.
24	Redirect Exhibit 3 is the 30-year Treasury
25	bond, and this is the yield that this is the yield

1	the current yield on the 30-year Treasury bond. So if
2	you were to buy that bond today, this would be the yield
3	that you would be you would get on that bond.
4	They are different instruments. One is a
5	yield curve, the other one is the interbank lending
6	rate. That are different instruments. In the past, the
7	Federal Reserve has in the 2008-2009 market collapse,
8	they did use a cap on the yield on the 30-year
9	Treasury yields as a mechanism, as I mentioned earlier
10	in my testimony.
11	Based on Vice Chair Clarida's comments back in
12	August, that doesn't sound like an instruct that the
13	Federal Reserve is intending to use currently. And
14	certainly, as you can see when you compare the two
15	charts, at least currently, that has not been they
16	have not employed caps on the 30-year Treasury. So
17	and they don't relate at all to the federal funds rate.
18	So the federal funds rate has remained flat. And then
19	if you look at the 30-year Treasury yield, it has,
20	obviously, had considerable volatility over the last
21	eight months or so.
22	MR. MOSCON: Chairman LeVar, I would move for
23	the admission of Bulkley Redirect Exhibits 1, 2, and 3

24 in the record.

25

CHAIR LEVAR: If anyone objects to that

1	motion, please unmute yourself and state your objection.
2	I'm not seeing or hearing any objection, so
3	the motion is granted. Thank you.
4	MR. MOSCON: All right. Thank you. That's
5	all the redirect that we have. Thank you.
6	CHAIR LEVAR: Okay. Thank you, Mr. Moscon.
7	Ms. Schmid, do you have any recross questions
8	for Ms. Bulkley?
9	MS. SCHMID: I do not. Thank you.
10	CHAIR LEVAR: Okay. Thank you.
11	Mr. Moore?
12	MR. MOORE: I do.
13	CHAIR LEVAR: Okay, go ahead.
14	RECROSS-EXAMINATION
15	BY MR. MOORE:
16	Q. Ms. Bulkley, that first exhibit oh, there
17	you are. That first exhibit you had talking about the
18	Dominion case granting a lower ROE than industry
19	average, what was that again? Was it an who put out
20	that publication?
21	A. Yes, I understand your question. So the
22	publication is let me just open it to get the
23	correct it's S&P's Global Market Intelligence, and it
24	is the same it's Regulatory Research Associates,
25	which was purchased by S&P many years back. It's the

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1	same service that I think all of the witnesses in this
2	case have relied on for authorized ROE data.
3	Q. What is the date?
4	A. The date on this was March 26, 2020.
5	Q. All right.
6	May I direct your attention to OCS Cross
7	Exhibit No. 4?
8	A. Four. This is a
9	Q. Well, it's also do you have it up?
10	A. I do. I think I have the right exhibit. This
11	is a summary of water ROEs water utility ROEs?
12	Q. Well, that's what it's titled, but it's the
13	S&P Global Market Intelligence again, isn't it?
14	A. Yes, it is. Same service. Correct.
15	Q. But it's from a later date, July 20, 2020.
16	A. Yes, and a different analyst who covers the
17	water sector, Heike Doerr.
18	Q. Right.
19	And then we look to the third page of the
20	exhibit, and there's a chart.
21	A. I see that chart.
22	Q. And it has ROEs for water, electricity, and
23	gas utilities, correct?
24	A. It does have them as quarterly averages,
25	that's true. I am suspicious of these, though. As I

1	noted in my earlier testimony, that I think it's
2	important to look at all of the individual data,
3	because, as I noted in the electric cases, there were
4	several observations that shouldn't be included in the
5	averages. That being said, these are quarterly average.
6	Q. Let's look at the gas utilities, 2020, the
7	last the bottom of the table. It has there ROEs at,
8	the first quarter, 9.35, and the second quarter, 9.55.
9	That would average out to 9.4, correct?
10	A. That would be the average of those, correct.
11	Again, with my reservations about not seeing the
12	underlying data. But that would be the mathematical
13	average of those two points, correct.
14	Q. Now, you are aware that the ROE in the Questar
15	Gas Company or the Dominion gas company was
16	9.5 percent; isn't that correct?
17	A. Yes, it is.
18	Q. So that's higher than the industry average.
19	A. Well, again, so there's a difference in time
20	period, and I don't know what the underlying data is
21	here. So I'm not sure what else to say about that.
22	Q. All right.
23	Well
24	A. As I pointed out earlier, there can be quite a
25	few things that you need to correct for in the data

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1	sets.
2	Q. But didn't you just testify that this was the
3	organization where the witnesses are getting their ROE
4	recitations from?
5	A. Absolutely, but that doesn't mean that you
б	shouldn't verify the data you're using.
7	Q. Right.
8	But on this analysis, it has the Dominion case
9	coming in at a higher ROE than industry average.
10	A. Well, again, it's higher than the quarterly
11	averages that are reported here. And as I said, with
12	the caveat that you would need to understand all of the
13	underlying data points, just like I mentioned on the
14	electrics to start my testimony today. And it would be
15	important to vet that data.
16	MR. MOORE: All right. Thank you. I have no
17	further questions.
18	CHAIR LEVAR: Thank you, Mr. Moore.
19	Ms. Baldwin, do you have any recross for
20	Ms. Bulkley?
21	MS. BALDWIN: No recross. Thank you.
22	CHAIR LEVAR: Okay. Thank you.
23	Mr. Russell?
24	I don't know if you're I'm not hearing
25	anything from you, Mr. Russell. You're still muted on

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1 my screen. 2 MR. RUSSELL: Yeah, sorry. I was -- I had a 3 hard time finding my microphone button there. 4 No, I don't have any questions for this 5 witness. Thank you. 6 CHAIR LEVAR: Great. Thank you. 7 Mr. Sanger? I have no questions. 8 MR. SANGER: Thank you. 9 CHAIR LEVAR: Thank you. Mr. Boehm? Mr. Boehm? 10 11 I'm going to assume he doesn't have any. He 12 didn't have any cross-examination questions. 13 So I'll go to Commissioner Clark. Do you have 14 any questions for Ms. Bulkley? 15 MR. CLARK: No questions. Thank you. 16 CHAIR LEVAR: Thank you. Commissioner Allen? 17 18 MR. ALLEN: No questions. Thanks. 19 CHAIR LEVAR: Okay. And I don't have any 20 questions either. So thank you for your testimony 21 today, Ms. Bulkley. 22 Thank you very much. THE WITNESS: 23 CHAIR LEVAR: Mr. Moscon or Mr. Sabin, 24 anything further from Rocky Mountain Power? 25 MR. MOSCON: No, Mr. Chairman. This -- that

1	concludes, for cost of capital, the company's witnesses.
2	CHAIR LEVAR: Okay. Thank you.
3	I'll go to Ms. Schmid next. Do you have
4	would you like to call the Division of Public Utilities'
5	witness?
6	MS. SCHMID: I would. Thank you.
7	The Division would like to call Mr. Casey Jay
8	Coleman as its witness.
9	May he please be sworn?
10	CHAIR LEVAR: Good afternoon, Mr. Coleman. Do
11	you swear to tell the truth?
12	THE WITNESS: Yes.
13	CHAIR LEVAR: Okay. Thank you.
14	Go ahead.
15	DIRECT EXAMINATION
16	BY MS. SCHMID:
17	Q. Mr. Coleman, could you please state your full
18	name and spell it for the court reporter?
19	A. My name is Casey Jay Coleman. C-a-s-e-y,
20	J-a-y, C-o-l-e-m-a-n.
21	Q. By whom are you employed, and in what
22	capacity?
23	A. I work for the Division of Public Utilities
24	for the State of Utah, as a utility technical
25	consultant.

1	Q. In conjunction with your employment with the
2	Division, have you participated in this case on behalf
3	of the Division?
4	A. Yes.
5	Q. Specifically, did you prepare and cause to be
6	prefiled testimony and exhibits in this docket?
7	A. Yes, I did.
8	Q. Were those filed as DPU Direct DPU DIR
9	2.0/DIR on August 20th, with accompanying exhibits 2.1
10	DIR through 2.08 DIR?
11	A. Yes.
12	Q. And did you prepare and cause to be filed your
13	surrebuttal testimony on October 8th, which has been
14	identified as the prefiled surrebuttal testimony of
15	Casey Jay Coleman, and its certificate of service, as
16	DPU Exhibit 2, SR 2.0 SR?
17	A. Yes.
18	Q. And did that prefiled surrebuttal testimony
19	have exhibits accompanying it labeled 2.1 SR through
20	2.8 SR?
21	A. Yes.
22	Q. Do you have any changes or corrections to that
23	prefiled testimony?
24	A. I have a couple minor changes. It will be on
25	the surrebuttal testimony.

#### October 29, 2020 1 If you could present those. Q. Okay. 2 Α. Sure. 3 The first one will be on line 46 of the 4 surrebuttal testimony. And it's right there in the paragraph. It says, "In DPU 1.0 SR." 1.0 should be 5 6 changed to 2.0. 7 And then --8 MR. MOSCON: Sorry to interrupt. I thought 9 you said in your surrebuttal at line 46. 10 THE WITNESS: Correct. 11 MR. MOSCON: Is that where you're at? 12 THE WITNESS: Yes. 13 MR. MOSCON: So my line 46 says "DPU SR 02 14 Attachment 6." Is that what you're talking about? 15 Oh, okay. Maybe I was reading THE WITNESS: 16 an earlier version that had the 1 in there. It should be 2.0. So good to know that I changed the correct 17 18 one. MR. MOSCON: Well, and it's not -- mine says 19 20 DPU SR 02 Attachment 6." I just want to make sure I'm 21 looking at what you're looking at. 22 My line 46 says, THE WITNESS: Let's see. 23 "DPU 1.0 SR Attachment 6." 24 BY MS. SCHMID: 25 Q. Casey, I believe that that was not the filed

Public Hearing

1	version of your surrebuttal.
2	A. Okay. All right.
3	Q. What I have in front of me is the same as
4	Mr. Moscon has in front of him in DPU SR-02
5	Attachment 6.
6	A. Okay. That's fine, then. I just wanted to
7	make sure that I was the one that filed testimony,
8	and we had done it as Number 2. So I just wanted to
9	make sure that the surrebuttal had shown that.
10	Q. Okay. Anything else?
11	A. The only other one was on line 102.
12	Q. Also of your surrebuttal?
13	A. Surrebuttal testimony.
14	I believe what I was looking at that
15	should say "analyze," and it looks like an A was not
16	put in there. So that would just need to reflect
17	"analyze."
18	Q. With those corrections, if we were to ask
19	you if I were to ask you the same questions today
20	that are contained in your prefiled direct and
21	surrebuttal, would your answers be the same?
22	A. They would, yes.
23	MS. SCHMID: With that, I'd like to move for
24	the admission of DPU 2.0 DIR, with Exhibits 2.01 through
25	2.08 DR, and DPU 2.0 SR, with its exhibits 2.01 through

1	2.08 SR.
2	CHAIR LEVAR: Thank you.
3	If anyone objects to that motion, please
4	unmute yourself and state your objection.
5	I'm not seeing or hearing any objections, so
6	the motion is granted. Thank you.
7	BY MS. SCHMID:
8	Q. Mr. Coleman, have you had the opportunity to
9	prepare a summary of your testimony?
10	A. Yes, I have.
11	Q. Could you please share that with us?
12	A. Yes.
13	Good morning, Chairman LeVar, Commissioner
14	Clark, and Commission Allen. I appreciate the
15	opportunity to discuss the cost of capital for Rocky
16	Mountain Power on behalf of the Division in this docket.
17	In previous dockets, the Commission has
18	discussed its responsibility to determine the
19	appropriate cost of equity for a regulated utility,
20	indicating how applying the different financial models
21	requires judgment at each important step.
22	The Commission has been candid about how each
23	financial model analysis will provide a good framework
24	for analysis and a useful means of organizing relevant
25	information.

Using this framework of financial models, the 1 2 Commission can use judgment, experience, and other 3 necessary qualitative information to determine a fair 4 and reasonable rate for a regulated utility. The purpose of my testimony is to provide the 5 6 data and analysis that provides a reasonable framework for ratemaking purposes. I present evidence using 7 generally accepted evaluation methods, including the 8 Capital Asset Pricing Model, the Constant Growth 9 10 Discounted Cash Flow Model, and a risk premium method. Throughout my direct and surrebuttal 11 12 testimony, I discuss the financial principles stated by 13 Dr. James C. Bonbright. The calculated rate should act 14 as a minimum cost when determining the fair rate of 15 According to Dr. Bonbright, the minimum cost, return. 16 or floor, for regulated utility would be the cost of 17 equity. Cost of equity is the -- is a starting point 18 for regulatory commissions to set rates and from there 19 make adjustments according to other policy 20 considerations. Using generally accepted evaluation methods, I 21 22 was able to calculate the reasonable range of the 23 company's ROE estimates, or return on equity estimates, 24 at 7.24 percent to 9.17 percent. This range constitutes 25 the floor the party should use to begin the evaluation

1 of a fair rate of return for Rocky Mountain Power. 2 In my surrebuttal testimony using data from 3 Regulatory Research Associates, a group within S&P 4 Global Market Intelligence, I calculate the average allowed rate of return for electric utilities at 5 9.5 percent for the period of January 2020 through 6 September of 2020. 7 Following the principles outlined in Hope and 8

Bluefield that investors are generally given the
opportunity to earn equal returns earned by other
companies of similar risks, I would suggest the maximum
return on equity for Rocky Mountain Power would be the
average allowed rate of return of 9.5 percent, unless
Rocky Mountain Power can be shown to have significantly
greater risk than a comparable group of companies.

As my testimony shows, Rocky Mountain Power does not have significantly greater risk than a comparable group of companies. Therefore, it follows that the average allowed rate of return for the electric industry would establish the upper limit that would be considered a fair rate of return for investors and customers of Rocky Mountain Power.

From my reasonable range of return on equities from 7.14 percent to 9.17 percent for the company, the average allowed rate of return for regulated utilities

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1	is 9.5 percent. And using the principle of gradualism,
2	the Division recommends the Commission set the cost of
3	equity for Rocky Mountain Power at 9.25 percent.
4	The Division does not take issue with the
5	company's proposed capital structure, and using the
6	actual capital structure suggested by Rocky Mountain
7	Power of 5.367 percent equity, a .01 percent preferred
8	stock and 46.32 percent debt, the Division calculates a
9	weighted average cost of capital for Rocky Mountain
10	Power as 7.18 percent.
11	The Division's recommended return on equity of
12	9.25 percent and a weighted average cost of capital of
13	7.18 percent balances the competing forces of customers
14	and investors, while recognizing the need for gradualism
15	in the current market and the Utah-specific regulatory
16	climate. It allows just and reasonable rates.
17	The Commission should adopt the 9.25 percent
18	recommended return on equity for Rocky Mountain Power.
19	MS. SCHMID: Thank you, Mr. Coleman.
20	Mr. Coleman is now available for questions
21	from the parties and from the Commission.
22	CHAIR LEVAR: Thank you, Ms. Schmid.
23	I'll go to Mr. Moore first. Do you have any
24	questions for Mr. Coleman?
25	MR. MOORE: No questions. Thank you.

1	CHAIR LEVAR: Okay. Thank you.
2	Ms. Baldwin?
3	MS. BALDWIN: No questions. Thank you.
4	CHAIR LEVAR: Okay. Thank you.
5	Mr. Russell?
6	MR. RUSSELL: No questions. Thank you.
7	CHAIR LEVAR: Thank you.
8	Mr. Sanger?
9	MR. SANGER: No questions. Thank you.
10	CHAIR LEVAR: Okay. Mr. Boehm? And I'm not
11	sure he's still with us. I don't see him on the list of
12	people connected to the oh, no, I do see
13	Mr. Boehm, you're muted. Do you have any
14	questions for Mr. Coleman? You're still muted, but I'm
15	going to assume that's a no.
16	Mr. Moscon or Mr. Sabin, do you have any
17	questions for Mr. Coleman?
18	MR. MOSCON: We do have a few.
19	CHAIR LEVAR: Go ahead.
20	MR. BOEHM: I'm sorry, your Honor. This is
21	Kurt Boehm. I was having trouble finding the mute
22	buttons. But I have no questions.
23	CHAIR LEVAR: Okay. Thank you.
24	Mr. Moscon, go ahead.
25	MR. MOSCON: Thank you.

1	CROSS-EXAMINATION
2	BY MR. MOSCON:
3	Q. And good afternoon, Mr. Coleman. To make it
4	easier for the parties and the Commission and I may
5	even ask the Commission a question on what is easiest
6	we have just sent an email around that has
7	cross-examination exhibits, but I'll note that but for
8	one document, they're all contained in or all but
9	two they are all contained in the exhibit attached to
10	Mr. Coleman's surrebuttal, which is the Attachment 1
11	DPU SR 02 Attachment 1, which is the Duff & Phelps
12	report.
13	So if it's easier for parties to simply find
14	that attachment and to go through that, or to look
15	directly at the exhibits that were just emailed
16	whatever is easiest for the parties.
17	Mr. Coleman
18	CHAIR LEVAR: Mr. Moscon, would you I'm
19	sorry. Would you repeat the exhibit number again for
20	MR. MOSCON: Yes.
21	CHAIR LEVAR: We're in Mr. Coleman's
22	surrebuttal, correct, from October 8th?
23	MR. MOSCON: Correct. So it is make sure
24	that's right. It is the DPU Exhibit 2.0 SR,
25	Attachment 1. So in my copy, it's, I believe, the first

1 exhibit after his surrebuttal. 2 CHAIR LEVAR: Thank you. 3 MR. MOSCON: Okay. And as long as --4 Mr. Chairman, as long as I'm having a dialogue with you, I may ask if it's easier -- if the commissioners and 5 parties all have their own copies, I won't ask anyone to 6 share a screen and to put it up as a visual, but -- we 7 can do that. But if the commissioners and parties all 8 9 have this Duff & Phelps report, then I'm just going to 10 assume that if I ask Mr. Coleman to turn to a certain 11 page, that that's available to the commissioners and 12 parties; is that the way you'd prefer? 13 CHAIR LEVAR: I think the best way for me to 14 respond to that is, it's on the website and it's not 15 confidential. So it's pretty easy for any of us to 16 access just from the docket website without having to go 17 into our confidential database. So I think it should be 18 pretty accessible to everyone. 19 All right. MR. MOSCON: Then we're going to 20 go forward without putting it up on the screen. 21 BY MR. MOSCON: 22 Mr. Coleman, do you have accessible to you Ο. 23 both your surrebuttal testimony as well as this Duff & 24 Phelps report that we've just been talking about? 25 Α. Yes, I do.

1	Q. Okay.
2	And you recall generally in your testimony
3	and I'll characterize it this way, but it's really not
4	important, though but I'll call it a dispute between
5	you and Ms. Bulkley about who was or wasn't
6	understanding or processing or interpreting the Duff &
7	Phelps data correctly.
8	Is that are you familiar, generally, with
9	that dispute between the two witnesses?
10	A. I think the dispute was different, but I will
11	agree that we had a disagreement.
12	Q. Okay.
13	Would you go ahead and turn to your Attachment
14	No. 1, which is this Duff & Phelps report?
15	A. Okay.
16	Q. The first thing I want you to do is to turn to
17	page 5 in it, if you would.
18	Are you there?
19	A. I'm getting there. Just a second. Hold on.
20	MS. SCHMID: Mr. Moscon, what is the first
21	word on that page?
22	MR. MOSCON: "Disclaimer."
23	MS. SCHMID: Thank you.
24	THE WITNESS: Okay.
25	BY MR. MOSCON:

1	Q. Are we there?
2	A. Yeah.
3	Q. So you agree in fact, as noted, this report
4	comes with a disclaimer and what I'm about to read is
5	in the second paragraph that well, actually, let's
6	start at the first paragraph.
7	Doesn't the first paragraph tell us that
8	this these materials that you've attached as an
9	exhibit do not represent the official position of Duff &
10	Phelps, LLC? Is that a correct statement?
11	A. That's what the disclaimer says.
12	Q. And doesn't that disclaimer further go on to
13	state that it is not guaranteed to be complete,
14	accurate, or timely?
15	A. Well, what it says is the information
16	presented in this session has been obtained with the
17	greatest care from sources believed to be reliable, but
18	is not guaranteed to be complete, accurate, or timely.
19	Q. Right. Okay. And the timely is one of the
20	things we're going to focus on.
21	If you would turn to page 10 of this same
22	report. And to make sure that we're on the same chart,
23	I'm looking at something that is entitled, A COVID-19
24	Brief Timeline.
25	A. Okay. Yeah, I have it in front of me.

1	Q. Okay.
2	Now, you indicated that you received this
3	information in April of this year; is that correct?
4	A. That's when the webinar was held by Duff &
5	Phelps, yes.
6	Q. And in fact, their timeline ends in April of
7	this year; is that correct?
8	A. Correct.
9	Q. And so would you agree with me it's a fair
10	assumption to make that if this is already published in
11	April of 2020, that the data that was being relied on,
12	even the most recent data that was being relied on in
13	this, was from the March to early April timeframe?
14	A. No. And the reason why that is, is because
15	the reason that this was provided was to basically
16	reinforce that the Division had looked at COVID and a
17	variety of other factors that Ms. Bulkley was saying we
18	hadn't looked at.
19	And what we were trying to get at was the
20	point that Duff & Phelps had looked at a variety of
21	those elements, and so us, as the Division, reviewed
22	those elements as well. And so to characterize that we
23	hadn't looked or taken into consideration any of those
24	elements was an error. I didn't portray that Duff &
25	Phelps had done an in-depth and a complete analysis

there, but what it was, was to show that we had done a 1 2 good faith approach of trying to determine what the 3 impact would be with the market. 4 And also, having said this, this is when the webinar happened, but I think it would be an error to 5 suggest that Duff & Phelps hasn't continued to monitor 6 the market, because they do make changes to their 7 risk-free rate and their equity risk premium according 8 to what's happening in the market, and will put that 9 10 information out to investors. 11 And so to suggest that Duff & Phelps, on 12 April 20th, decided not to look at what was happening in 13 the market anymore, to me, would be erroneous. 14 Okay. Well, thank you for that, but my 0. question is really going to your exhibit that's in the 15 16 record. 17 And so would you agree with me that your 18 exhibit that's in the record, of Duff & Phelps, is 19 limited insomuch as the data that it's providing and 20 relying on is limited to information that was available 21 from April and prior to April? Is that correct? 22 Yes, but again, I don't see the relevance, Α. 23 because earlier today Ms. Bulkley and also Ms. Kobliha 24 had looked at credit reports for 2018. So does that 25 mean that the credit reports were only good as of 2018

1 and they shouldn't be used today? 2 Well, Mr. Coleman, let me simply ask this: 0. 3 Insofar as we are going to talk about the impact that 4 COVID had, and to the extent that we are going to rely 5 on this exhibit to support the fact that COVID has been examined, you would agree with me, wouldn't you, that 6 the impacts that COVID has had, and continues to have, 7 on the economy and on investors was not fully known or 8 realized as of April of this year? Wouldn't you agree 9 10 with that? 11 Α. That's what this information is showing. 12 That's true, yes. 13 Would you turn to page 55 in this same report? ο. 14 And again, to make sure that we're all looking at the 15 same page, it is entitled Summary Table of Factors. 16 Α. Okay. 17 And you would agree with me, wouldn't you, ο. that what this chart is showing us is how certain 18 19 factors, which are listed on the left-hand side -- how 20 -- whether they go up or down or they have a change, 21 what the effect is on ERP, which stands for equity risk 22 Is that your understanding of this chart? premium? 23 Α. Yes. 24 0. So just a couple of examples. The second line 25 down, implied equity volatility. If the change is that

1	equity volatility goes up, that the effect on the ERP
2	is that EPR also goes up, correct?
3	A. If you're looking at that specifically, then
4	yes, that would be one of the elements it would
5	consider, with the equity risk premium going up.
6	Q. And the same would also be true of the equity
7	uncertainty, which is two lines down from that, and two
8	lines up from the bottom, the default spread model. As
9	each of those go up, the realized effect on ERP is ERP
10	also moving up. Is that what this chart summarizes?
11	A. That's what it's showing, yes.
12	Q. Okay.
13	If you'd turn with me to the very next page,
14	page 56 of this report. This is a graphic showing the
15	Volatility Index from the Chicago Board Options
16	Exchange; is that right?
17	A. Yes.
18	Q. And the graphic notes that there's a new
19	record high for the VIX, which is this index, as of
20	March 16, 2020; is that correct?
21	A. Yes.
22	Q. And in fact, that high is significantly
23	greater than the Great Recession of 2008, which is also
24	pointed out on the chart; is that correct?
25	A. I don't know that I would characterize it as

1	significantly higher. 80.9 and 82.7 is not
2	significantly higher.
3	Q. Would you agree it's as high or higher than
4	the Great Recession
5	A. Yes.
6	Q of 2008?
7	A. Yes.
8	Q. Okay.
9	Now, one thing I didn't have you have handy,
10	but I'm going to ask you to do anyways do you have
11	Ms. Bulkley's rebuttal handy anywhere near you?
12	A. Let me see if I can find that. Hold on a
13	second.
14	Q. And I apologize I didn't, up front, tell you
15	to have that. That's my fault.
16	MS. SCHMID: Mr. Moscon or Mr. Chair, if I
17	may ask Mr. Moscon a question?
18	CHAIR LEVAR: Go ahead.
19	MS. SCHMID: Would it be possible for you to
20	put the references up on the screen?
21	MR. MOSCON: The references when you say
22	"the references," do you mean
23	MS. SCHMID: To Ms. Bulkley's testimony.
24	MR. MOSCON: Okay. So what I'm going to do is
25	to put page 17 of her rebuttal on the screen, and I'll

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1	ask someone I'm going to see if people that know this
2	system better than I do can get there.
3	Both Saba and Stewart get frustrated with me
4	when I refer to this computer as the magic black box.
5	So I'm not going to touch it myself.
6	MS. SCHMID: I sympathize with and agree
7	with your characterization of the computer.
8	MR. MOSCON: So Mr. Sabin is going to share a
9	screen. So I don't is that visible to everyone?
10	THE WITNESS: I can see it.
11	BY MR. MOSCON:
12	Q. Okay.
13	So we had just looked in the Duff & Phelps
14	report. That had a VIX index; that's what we were
15	looking at on their page 56. And on page 17 of
16	Ms. Bulkley's rebuttal, she also has a VIX index.
17	And that's what you're seeing there; is that
18	correct?
19	A. Yes.
20	Q. The difference being that Ms. Bulkley's VIX
21	index continues farther we already talked about the
22	fact that Duff & Phelps was already published in April,
23	and this seems to go until approximately September of
24	this year.
25	Do you see how it extends every four months

1 from 9 to 1 to 5, and the next line would be 9 of 2020? 2 Α. Sure. 3 And so you would agree, would you not, looking ο. 4 at this graphic and Ms. Bulkley's testimony, that the volatility, although it's dropped from March of this 5 year, still remains higher than it has been in the 6 previous five years? Do you agree with that? 7 The market right now is uncertain, and there's 8 Α. 9 more volatility than there has been previously, yes. 10 Okay. 0. 11 So you would agree that if you looked at the 12 line of August of 2014, which was when the last rate 13 case setting the company's current ROE was handled, that 14 the volatility in the market was lower -- demonstrably lower than it is currently; is that correct? 15 16 "Demonstrably" is not a word that I would use. Α. 17 That is relative. I would say that you could look and 18 see that there -- it is lower in 2014 than it is now. 19 0. Okay. 20 Would you turn with me to page 61, back on the 21 Duff & Phelps report? I call it a report. I don't know 22 if that's the right word. But page 61. 23 Hold on. Let me get there. You said page 61? Α. 24 0. Yes. 25 Α. Okay.

1	Q. Are you there?
2	This is a document that is entitled U.S.
3	Monthly Economic Policy Uncertainty Index, to make sure
4	we're looking at the same thing.
5	A. Yes.
6	Q. And similarly, you would agree with me that
7	the economic policy uncertainty, as demonstrated by Duff
8	& Phelps data, makes clear that uncertainty is much
9	higher, at least when this was published, compared to in
10	the summer of 2014, when the last ROE was set in this
11	matter. Is that correct?
12	A. There is differences there, yes.
13	Q. Okay. If you turn just one page in the Duff &
14	Phelps report, you're going to get a new table called
15	Default Spread Model.
16	A. Okay.
17	Q. Would you agree, similarly, that the Default
18	Spread Model shows greater risk of default in the 2020
19	timeframe than when the Commission decided this
20	company's last rate case in 2014?
21	A. Yes.
22	Q. Okay.
23	Let's turn to your surrebuttal. And I'm going
24	to ask you to turn to page 6 of your own testimony.
25	A. Okay.

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1	MR. MOSCON: And Ms. Schmid, do you is it
2	easier for you if we put this on the screen?
3	MS. SCHMID: I do have his in front of me.
4	Thank you, though.
5	MR. MOSCON: Okay.
6	BY MR. MOSCON:
7	Q. You agree with me, Mr. Coleman, don't you I
8	think, in fact, you may have led with this when I
9	first referenced this Duff & Phelps report, that what
10	brought this up was that Ms. Bulkley had criticized the
11	Division for not mentioning or referring to the Federal
12	Reserve's monetary policy, and in response, you
13	indicated that in fact, I'm just going to have you
14	read that sentence that's on line 110 that starts, "When
15	the Division analysis uses."
16	Will you read that sentence for us?
17	A. "When the Division analysis uses Duff and
18	Phelps' risk-free rate and equity risk premium as a key
19	metric, by association, the Division is just as
20	meticulous in its determination of an appropriate cost
21	of capital."
22	Q. Okay.
23	So you would agree with me that, essentially,
24	the Division has incorporated the Duff & Phelps analysis
25	in its work, because its response was, "Oh, we didn't

ignore it; we looked at Duff & Phelps, and Duff & Phelps
 looked at it."

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## Is that correct?

A. I think when you look at the models that I used, we used the equity risk premium from Duff & Phelps, we also used the risk-free rate, and we also analyzed what Duff & Phelps was doing to determine those rates. And so we were comfortable in using their equity risk premium and risk-free rates, because we felt that that had -- they had -- as you saw from what we had provided, they had done an extensive job of looking at a variety of market factors to determine those amounts.

Q. Okay.

Would you turn with me to your attachment -well, it's called the DPU SR 02 Attachment 3, but it's easiest for me to think of it as the second exhibit behind your surrebuttal.

A. Is that the one Cost of Capital in the Current Environment?

20

21

Q. Yes. That -- yep.

A. Okay.

Q. Now, the cost of capital in Duff & Phelps that
you attach when you refer to this, this itself does not
reference -- this page right here, itself, doesn't
reference the Federal Reserve monetary policy that

Ms. Bulkley had criticized the Division for leaving out, 1 2 does it? 3 Α. I think you need to look at Attachment 2 to 4 have a better understanding of that. Let me make sure that I have the number right. 5 So Attachment 2 in my surrebuttal testimony 6 shows -- and I will put in here that it's the most 7 recent information that Duff & Phelps has. I checked 8 9 twice to make sure that they had a 2020 report out, and 10 they didn't. So this is what is considered their 2019 11 report from their yearbook, which is using 2018 12 information. 13 But what this shows is what Duff & Phelps goes 14 through as far as the process to determine their equity 15 So when that infographic that I showed risk premium. 16 you shows Duff & Phelps is using the 6.0 equity risk 17 premium, by default they are following what is that 18 entire chapter three, as far as analyzing that. 19 And so they are looking at all of those things 20 that I included in my Attachment 1, plus all of the other elements that is included in this -- and I don't 21 22 know the exact -- and I don't know the exact -- it looks 23 like 67 pages in just this chapter when they do the 24 equity risk premium. 25 So I would say yes, when -- what -- that

1	information graphic doesn't show that, but anyone that's
2	familiar with Duff & Phelps and the process they're
3	going through is going to have an understanding that
4	that's included in what they're saying their equity risk
5	premium should be as of that date that incorporates all
6	of those things.
7	Q. Would you one of the things that's a
8	specific issue is going to be the impact and any
9	adjustment or analysis that should be triggered by the
10	Tax Cut and Jobs Act, or it's referred to as the TCJA in
11	testimony.
12	So if I just call it the TCJA, are you
13	A. Yes.
14	Q. You know what I'm referring to?
15	A. Yes, that's fine. Yes.
16	Q. Okay.
17	If you'd go to page 22 of your surrebuttal.
18	A. Sorry. I'm getting there.
19	Q. It takes me a minute, too, so no rush.
20	A. Okay. So surrebuttal page 22.
21	Q. Okay. You see on line 451 there's a sentence
22	right after "Yes."
23	Will you actually, two sentences. Will you
24	read those two sentences starting with, "The Division"?
25	A. Sure.

"The Division did not explicitly discuss the 1 2 overall risk related to the TCJA because it did not 3 believe this will be a significant risk faced by Rocky 4 Mountain Power in 2021. Investors have had time to understand and evaluate the cash flow implications to 5 Rocky Mountain Power." 6 So it's fair to say that the Division did not, 7 ο. in addressing any reasonable ROE for the company, 8 9 consider or make an adjustment for any uncertainty or 10 volatility that could be attributed by virtue of the 11 TCJA; is that correct? 12 Because as I said there, we don't Α. Yes. 13 believe it's a risk that's going to be impacting 14 investors in 2021, because they will have the ability --15 three or four years of time will allow them to see 16 what's going to happen with that. 17 Plus, the other element is the tax credits are 18 being dealt with right now in this rate case, as far as 19 how Rocky Mountain Power is going to deal with them, and 20 so we believe that that risk is going to be mitigated or reduced because of results that come out of this rate 21 22 case.

Q. Would you turn to page 32 of Ms. Bulkley's direct?

25

MR. MOSCON: And I'm going to ask Mr. Sabin,

1	if he can, to go ahead and put that up on the screen, 32
2	of her direct, just so that anyone that doesn't have
3	Ms. Bulkley's testimony handy
4	And specifically, we're going to be looking
5	for Figure 10.
6	MR. SABIN: Sorry, what page was it?
7	MR. MOSCON: Page 32 of direct of Ms. Bulkley.
8	THE WITNESS: Okay. Figure 10. "Credit
9	Rating Downgrades Resulting from TCJA."
10	BY MR. MOSCON:
11	Q. That's the one that we're at.
12	A. Okay.
13	Q. You would even though and your
14	understanding is that TCJA was passed when? When was
15	that act passed?
16	A. I believe it was in 2018, as a result of tax
17	cuts by President Trump.
18	Q. So even though it had been passed in 2018 or
19	earlier, you would agree with me, would you not, that
20	this data that is taken from a Moody's report indicates
21	that at least nine utilities have had credit downgrades
22	that Moody's tied to the TCJA from 2018 through 2020?
23	Is that correct?
24	A. It looks like it's more than nine, but
25	unless you're excluding gas companies from that. There

1 is a list of companies in 2019 and 2020 that did get a 2 downgrade. 3 ο. Yeah. Okay. 4 Well, in fact, what I was really looking at is Q4 2019 and Q1 2020. But you're correct, if you go back 5 6 earlier, there is even more than that. So it's my fault 7 for --Correct. I was just looking at 2019 and 2020. 8 Α. 9 All right. Ο. 10 But the point being is that Moody's has 11 demonstrated -- or Moody's is showing and reporting that 12 even as far as spring of this year, when this was 13 published, that it was continuing to have an impact on utilities. 14 Isn't that correct? It's all relative. Because what I don't know 15 Α. 16 from looking at those lists of companies is the 17 underlying factors that also caused this downgrade. Ι 18 haven't been able to look at the report that was out 19 there by Moody's, and the different things, to know that 20 it was exactly because of the TCJA. I don't know if 21 those downgrades and ratings happened as they were said 22 And there -- as was discussed in the hearing there. 23 today, the credit -- there's a lot of elements that go 24 involved with that, as far as what's going to make a 25 rating go up or down.

1 If you want me to say over the time period has some ratings gone down, sure, but I don't know if those 2 3 companies were as strong as Rocky Mountain Power in 4 2018, 2019, and 2020. I don't know what their metrics were, I don't know what their CFO rates were and the 5 other parts that go into that, to be able to have this 6 be a valuable evaluation, other than there were -- are 7 companies that have been downgraded. 8 9 ο. Okay. 10 But I think it's important to recognize that Α. 11 we're talking specifically Rocky Mountain Power, and if 12 they're going to be downgraded, not what -- not all of 13 the other companies that are out there as well. And I 14 believe Ms. Bulkley said the same thing earlier today in 15 her testimony. Okay. 16 Fair enough. 0. 17 Mr. Coleman, I understand you to be saying you 18 haven't had a chance to study this, you don't know what 19 all Moody's was looking at when they published their 20 report. But is it fair to say that coming into this 21 proceeding, you don't have any evidence at your 22 fingertips that would dispute the report that Moody's 23 tied these downgrades -- downgraded credit ratings to

24 **TCJA, do you?** 

25

A. No, I don't have any reason to dispute that,

1	but I don't know why that's relevant to Rocky Mountain
2	Power's specific situation in this rate case.
3	Q. Okay.
4	Will you turn to page 3 of your surrebuttal?
5	A. Maybe. Okay. Page 3.
6	Q. Okay. Now, here on page 3, in the middle, on
7	line 47, you indicate and you're referring to
8	Attachment 6 that the average cost of equity for 2020
9	is 9.5 percent. Is that right?
10	A. I updated a calculation, and what I calculated
11	was at 9.5 percent.
12	Q. Okay.
13	And you go on to assert that, based on
14	Dr. Bonbright's principle, that the actual cost of
15	equity may have been lower but, you know, the
16	Commission's added to that to get to the 9.5.
17	Is that a fair paraphrase of this line?
18	A. What I believe my testimony was is there is a
19	floor and a maximum, and when you're looking at the
20	allowed rate of return, which is what it's reported by,
21	our most of the commissions would have calculated a
22	return on equity, and then they would have adjusted for
23	whatever risk premiums or other elements in the market
24	they felt was appropriate, to come up with the settled
25	or allowed rate of return for a company.

1	Q. Okay.
2	And would you turn to the Attachment 6 that
3	was referenced by you on that page? So this is, for the
4	record, DPU SR 02 Attachment 6. And while everyone is
5	turning to it, to make sure we're all on the same page,
6	it's S&P Global Market Intelligence Rate Case History
7	(Past Rate Cases).
8	A. Yeah, give me just a minute.
9	Okay.
10	MS. SCHMID: And just to make sure I'm in the
11	right place, with the right attachment, is this an
12	attachment that has two pages? The first page
13	MR. MOSCON: Yeah.
14	MS. SCHMID: beginning with Iowa and the
15	second page beginning with Virginia?
16	MR. MOSCON: Well, mine, the first page begins
17	Iowa and the second page begins Indiana. But it is a
18	two-page document, and it's DPU document Attachment
19	No. 6 to Mr. Coleman surrebuttal, and it's just a list
20	of the litigated return on equities from various states.
21	MS. SCHMID: Thank you. Sometimes things
22	shift around when we print. But I'm on the same
23	attachment. So thank you.
24	THE WITNESS: Okay.
25	BY MR. MOSCON:

1	Q. Are you there, Mr. Coleman?
2	A. Yes.
3	Q. Okay.
4	And so just, again, making sure, this is a
5	listing of ROE decisions from the year 2020; is that
6	correct?
7	A. Yes. We tried to take all of the ones from
8	starting in January, up until where the report was
9	created, which looks like the last date was
10	September 24th of 2020.
11	Q. Okay. And in decision type, which is the
12	column right before the ROE, there is it's
13	distinguished between a settled case or a fully
14	litigated case. Do you see that?
15	A. Yes.
16	Q. And you don't dispute, do you, what I think
17	several parties have already discussed today, which is
18	that a settled case, whether it's high or low, that
19	number may or may not be as reflective of what a
20	commission really thought, because one party may have
21	given up some revenue for something or there may have
22	been some other process going on? But you would
23	distinguish settled cases from fully litigated cases,
24	wouldn't you?
25	A. Distinguish in which way?

1 Meaning that they may or may not reflect what 0. 2 the commission itself thought the appropriate ROE based 3 on all the evidence would have been. 4 Α. Because it is a settled case, the commission 5 didn't have the opportunity or didn't have the requirement to set a rate of return for utilities; they 6 just accepted the settlement, is how my understanding of 7 8 the regulatory process works. 9 0. Okay. 10 Now, I want to make sure I understand. This 11 document that we're looking at, it says S&P Global 12 Market Intelligence, but you talked about "we." Is this 13 a document that the Division prepared or S&P prepared? 14 Α. Well, I got the data from S&P Global Market Intelligence, but I did the calculations and I put 15 16 together the information using what was available from 17 S&P or RRA, which is the same thing. 18 Okay. 0. 19 I want to have you look at what I think is 20 going to be on everybody's page 2, which is the Vermont 21 case. 22 Do you see that? It's the Green Mountain 23 Power Corp. 24 Α. Correct. 25 Q. And it's listed as a fully litigated case from

August that resulted in a 8.2 ROE. Do you see that? A. I do.

Q. Now, when you put this together, did you turn to that case to determine whether that was a settlement versus a litigated case?

A. I trusted the information that was provided in S&P. So I didn't go look at each of these individual cases to determine if what they were putting out there was accurate or not.

Q. There should have been emailed to you, and to everyone, just before we began, a list of exhibits, and one of which is the actual order in the Vermont case. I don't know if you have your email handy. If it's going to cause too much trouble, I'm happy to read what I'm getting at, but I don't want you to feel like you haven't had a chance to see the document.

So do you see the exhibit that's been sent to you that is a State of Vermont decision in this case?

I'm going to ask Mr. Sabin to put it on the screen for everyone to just make it easier.

A. I have it in front me, but having it on the screen could be helpful.

Q. Okay.

I'm going to -- I've highlighted a portion onthe second page. I'm going to have Mr. Sabin go down to

And this is in the case where the commission is 1 that. 2 indicating why it landed on an 8.2 ROE. 3 And would you read the highlighted portion out 4 loud? 5 Α. Yeah. Yeah, just one second here. I'm just trying to make sure I'm in the -- okay. 6 "Under the MYRP" -- I'm not sure what that 7 stands for, but -- "Under the MYRP, the authorized 8 9 return on equity is calculated based on fluctuations in 10 the yield on 10-year Treasury Notes, which has dropped 11 precipitously as a result of disruptions to financial 12 markets caused by the COVID-19 pandemic. The Commission 13 emphasizes that the reduction of GMP's ROE from 9.06 to 14 8.20 is based exclusively on the results of the ROE 15 formula set forth in the MYRP." 16 Would you -- and let me represent to you --0. 17 and you're able to check, if you want, on page 1 -- that 18 MYRP is actually a multiyear plan, and so that -- rather 19 than basing its decision on evidence, the commission 20 simply ruled that, under this plan, a multiyear plan 21 that had been entered into prior to this rate case, the 22 commission was required to set the ROE at that rate, and 23 it was not based on any other factor. Would you agree 24 with that?

25

A. That's what that order is suggesting, yes.

1	Q. Okay.
2	Now, if we go back to the list of which is
3	your exhibit that the Attachment 6 that had all the
4	other reports listed, one of the other cases that was
5	listed as fully litigated is the Maine case, the Central
6	Maine Power Case, and it also ended up at an 8.25 ROE.
7	Do you see that? It's on my page 1. I'm not
8	sure what page it is on yours.
9	A. You said it was Maine?
10	Q. Uh-huh. Maine.
11	A. Central Maine Power Company. It's a
12	distribution company, fully litigated, 8.25 percent.
13	Q. And were you here when Ms. Bulkley stated that
14	that ruling was based on essentially assessing a penalty
15	against the shareholders of a utility for reasons
16	unrelated to actual economic circumstances?
17	A. I'm not sure if it's this case, but I did
18	review some of the Maine Central Maine, and I am
19	aware that because of management and other issues, they
20	were having a reduction in the ROE because of that.
21	Q. Okay.
22	Would you agree with this, if you just take
23	your chart, Attachment 6, that there's really two
24	outliers drawing the average down? This is the chart
25	that you've looked at, that, according to your

conclusions, says that vertically integrated utilities 1 2 have a 9.54 average, but there are two outliers at 8.2, 3 which are the Vermont case and the Maine case. 4 And I know you haven't done the math, or at least I suspect you haven't, but would you agree with 5 me, just looking at it, that if you were to remove those 6 two outliers, that the actual average would be well 7 above 9.6 percent? 8 So here's my answer to this. And this has 9 Α. 10 been a pretty consistent position with the Division. Ι 11 don't know if Rocky Mountain Power has gone and looked 12 at all of the ones that were higher, say like a 10.2 13 percent, to see if they also had formulas that would 14 cause them to need to be excluded. 15 What we did is we provided the information to 16 the Commission so that they can be able to make an 17 evaluation. 18 There are a couple that are lower. We believe 19 that ratepayers are paying those rates in those states, 20 and so it's some information that's valuable and helpful 21 to the Commission. But if you cut off the low part of 22 it, shouldn't you do the same to the high part? There 23 might be outliers as well.

24 What we did is we provided the information and 25 then created an average that was calculated with this, 1 and I don't think it's that far outside of what would be 2 acceptable.

3 And Ms. Schmid may have to help me with this, 4 because I know we've been bouncing around, but I believe earlier today she shared an exhibit that showed RRA had 5 recently calculated what the allowed rate of return was, 6 and had Ms. Bulkley look at that. That was as of 7 October 2020, with the most updated information, and RRA 8 9 had calculated the 9.5 percent, similar to what I had 10 calculated here from information.

So when they're putting that out there, they didn't say, "Well, these are two outliers that should be excluded." They calculated an average and a rate that is applicable and should be there.

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And so what we did is provide the information for the Commission, allow them to be able to make the determination, and the calculation was that it was at 9.5 percent.

Q. I appreciate that, Mr. Coleman, but -- and maybe I haven't been clear. I didn't want you to remove the two 8.2s because they were just so outrageously low compared to the rest, though they were. Wasn't -- the distinction that we were making is that they, in fact, weren't actually fully litigated cases, meaning that the results in those cases were based on things other than a

weighing of the evidence by commissions, right?

Isn't that the point we were making?

A. My analysis didn't do that. When I take the average of 9.5 percent, that was of all of the cases; fully litigated, settled, everything else. If you take all of those in there, the 9.5 percent includes all of those.

Now, you could suggest that those need to be eliminated, but if you look down lower at settled average and also at the litigated average, and then I also did the vertically integrated at 9.54, some of those exclude some of those things, and they're -- like vertically integrated was only the ones that said vertically integrated in there.

So the average that's there is of everything. It's not just of settled ones or fully litigated. That includes all the information that was there showing what the average was, and then I tried to break it out if the Commission wanted to get a little more detail as far as what would be applicable and how to look at it. That's what was included in there.

Q. Let's do this, then. This might be the
easiest way to make sure we're talking about the same
thing. I'm going to ask Mr. Sabin to put up the next
cross exhibit slide that we've sent over, but -- and put

1 But, again, everyone has had this it on the screen. 2 emailed. 3 Do you see in front of you a chart that says 4 "2020 Authorized ROEs"? 5 Α. Yes, I see that. So let me represent to you that what this is, 6 0. is it takes the diagram that had all of them, it removes 7 the settled cases, it -- and it puts forward only the 8 9 fully litigated cases from 2020. And that's the 10 results, and there are some, as you will see and note, 11 in that 9.25 range, and then there are some as high as 12 the 10.0 range. 13 So do you see that scattering? 14 I can see dots on a graph. I don't know what Α. any of those dots tie to, but I can see that some were 15 16 below 9.25 percent and some were higher than 10. -- but I don't know which dot ties back to what was on the 17 attachment here, if they're accurate or not. 18 I could 19 look at it and try to determine that quickly from what's 20 here. But I got this today, and I have no way to verify 21 the information is accurate or correct, or what it ties 22 back to. 23 I get that, so I won't ask you to vouch for ο.

24 the accuracy of this chart.

25

But would you agree with me that if the

Commission were to, itself, decide that, yes, those dots 1 2 are in the right place, and that's where the fully 3 litigated cases for 2020 have turned out thus far --4 would you agree with me that the company's request of the 9.8, which is shown by the dashed line, seems to go 5 through the two, four -- five top cases, and that there 6 are only three cases that have resulted below a 9.5? 7 Would you at least agree that this chart shows only 8 9 three dots below the 9.5 level?

The chart simply shows that, but there's too 10 Α. many other factors involved with this. I mean, how do I 11 12 know if those companies are lower risk, what their 13 business risks are, what their tax implications are, 14 what is their credit rating? There are so many other elements, which is what we've talked about the whole 15 16 time, as far as the framework that's being developed 17 with that.

18 Sure, that line goes between three or four 19 dots. What are those three or four companies, and what 20 makes up all those elements of it? I believe that's 21 what the Commission is here to determine, is to say, 22 "Okay, are those companies as risky, more risky or less 23 risky than Rocky Mountain Power in determining what the 24 appropriate rate of return should be?"

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And that's what I think I said in the

1	testimony, is when you look at the elaborative returns,
2	those are basically what should be the ceiling, or the
3	top part, of what the Commission should consider,
4	because that's what is required by the Hope and
5	Bluefield standards, and somewhere in between that is
6	what's probably the appropriate return on equity for
7	Rocky Mountain Power because of their risk position,
8	that they're a lower risk than the other utilities that
9	are out there.
10	THE REPORTER: Mr. Moscon, if you're talking,
11	I think you're muted.
12	CHAIR LEVAR: We're not hearing you.
13	And why don't we
14	MR. MOSCON: same speech. Go ahead.
15	Sorry.
16	CHAIR LEVAR: Is this an appropriate place to
17	take a quick break, or are you in the middle of a train
18	of thought on your next question?
19	MR. MOSCON: No. That's fine. I'm happy to
20	whatever is better for the Commission.
21	CHAIR LEVAR: Why don't we take a ten-minute
22	break right now, and then we'll return and resume your
23	cross-examination.
24	MR. MOSCON: Thank you.
25	(Whereupon a short recess was taken.)

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1	CHAIR LEVAR: Okay. Thank you.
2	Mr. Moscon, you can continue.
3	MR. MOSCON: Thank you.
4	Mr. Chairman, I'd like to move for the
5	admission of Coleman Cross Exhibits 1 and 2. There were
6	only two again that weren't already exhibits previously
7	admitted.
8	And after that, then I'll be concluded with my
9	cross-examination of Mr. Coleman.
10	CHAIR LEVAR: Thank you.
11	If anyone objects to that motion, please
12	unmute yourself and state your objection.
13	I'm not seeing or hearing any objections, so
14	the motion is granted.
15	Mr. Moscon, you said that concludes your
16	cross-examination?
17	MR. MOSCON: Yes.
18	CHAIR LEVAR: Ms. Schmid, any redirect?
19	MS. SCHMID: Very, very limited. Thank you.
20	REDIRECT EXAMINATION
21	BY MS. SCHMID:
22	Q. Good afternoon, Mr. Coleman.
23	A. Hello.
24	Q. At the beginning of your cross-examination by
25	Rocky Mountain Power, you were asked a series of

1	questions about the DPU sorry about the Duff &
2	Phelps report that was DPU SR 02 Attachment 1,
3	Exhibit 1.
4	Do you recall that attachment and those
5	questions?
6	A. Yes.
7	Q. Can you clarify for us what the purpose of
8	having that document attached to your prefiled testimony
9	was?
10	A. Yes, thank you. So the purpose in including
11	that information was to try to give a little more
12	breadth and understanding as far as Duff & Phelps and
13	the equity risk premium and the risk-free rate, and what
14	that company goes through in determining those elements
15	of it, so that we were criticized by Rocky Mountain
16	Power that we didn't look at a certain number of factors
17	when we were doing our analysis, and it was to show that
18	Duff & Phelps did, in fact, look at those things and a
19	variety of other elements to come up with this
20	determination.
21	So it was mischaracterized that we hadn't
22	looked at those things. Because we were using Duff $\&$
23	Phelps' published information meant that we had looked
24	at and had considered the impacts of COVID and some of
25	the elements with it as well.

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1	Q. Thank you.
2	Next, were you listening or reading what was
3	presented earlier in the hearing when the ratings
4	downgrade for the regulation of Utah was discussed as a
5	route of the Dominion Energy Utah rate case?
6	A. Yes.
7	Q. If you know, did Dominion and Rocky Mountain
8	Power treat the effects of the Tax Cut Jobs Act the same
9	in their rate cases?
10	A. So I can give you a very broad overview. I'm
11	honestly not the expert on that topic, but in
12	discussions with the Division and within our
13	organization, I can give you what my broad
14	understanding is.
15	I believe that Dominion Energy, when they were
16	dealing with the tax credits, made the decision to
17	refund back what was due to customers on bills basically
18	at that time, where Rocky Mountain Power, because of the
19	amounts that were there and the tax credits, instead
20	were able to defer or to keep those credits, which is
21	part of what we're discussing now in this rate case, to
22	be able to offset potential increases by customers or
23	other elements, and so they didn't refund the money
24	directly back to customers.

And so I believe that the way that Dominion

1	Energy and Rocky Mountain Power handled the situation
2	was different, and could have had some credit impacts
3	because of that.
4	Q. Thank you.
5	Various lists of states, ROEs, whether or not
6	a case was litigated or settled, have been presented in
7	this rate case, especially today.
8	Do you believe that if the Commission
9	determines certain states, such as Maine or Vermont or
10	New Hampshire, or the one that has the rider should be
11	kicked out, do you believe that information contained in
12	DPU Cross Exhibit 1, the RRA report for September, would
13	assist the Commission in calculating its own base
14	number?
15	A. Yes.
16	Q. Do you know if a settlement just goes into
17	effect automatically or if it is reviewed by a
18	commission?
19	A. I can only say specifically what happens here
20	in Utah. I don't know if each state is going to have
21	the same regulatory climate and environment. Here in
22	Utah, a commission the Commission has the ability to
23	accept or reject the settlement according to what the
24	parties have put forward.
25	So I believe we have the ability to review,

1	and I wouldn't think that we're going to be vastly
2	different than other places, but I don't know every
3	other state and what their regulatory environment is as
4	far as a stipulation.
5	Q. And when the Commission in Utah makes that
б	judgment, does the Commission is the Commission
7	I'll strike that question.
8	So you calculated a range of 7.24 to
9	9.17 percent as I'm just going to call it your base
10	layer. Is that fair?
11	A. Yeah. Framework would be a good
12	characterization; that's a word we've used a lot. But
13	that's the framework that I used to calculate an
14	appropriate rate of return.
15	Q. That's a much better word. Thank you.
16	So is the 7.24 to 9.17 your final
17	recommendation or do you adjust that for some things?
18	A. No, we do adjust the final recommendation
19	according to a variety of different factors. One that
20	we've specifically talked about was gradualism, and also
21	the business risks there, and come with our final
22	recommendation or my final recommendation of 9.25
23	percent.
24	Q. And it's that 9.25 percent that you recommend
25	the Commission adopt; is that correct?

1	A. That is correct, yes.
2	MS. SCHMID: Thank you very much. Those are
3	all my redirect questions.
4	CHAIR LEVAR: Thank you, Ms. Schmid.
5	I'll first ask all the attorneys in this
6	hearing not named Moscon, if any of you have recross
7	questions for Mr. Coleman, please unmute yourself and
8	let me know that you do.
9	Okay. I'm not seeing or hearing any. So
10	Mr. Moscon, do you have any recross for Mr. Coleman?
11	MR. MOSCON: No. Thank you.
12	CHAIR LEVAR: Thank you.
13	Commissioner Allen, do you have any questions
14	for Mr. Coleman?
15	MR. ALLEN: No questions. Thank you.
16	CHAIR LEVAR: Commissioner Clark?
17	MR. CLARK: No questions. Thank you.
18	CHAIR LEVAR: Okay. Thank you. And I don't
19	have any questions.
20	So thank you for your testimony today,
21	Mr. Coleman.
22	THE WITNESS: You're welcome.
23	MS. SCHMID: The Division has no other
24	witnesses in this portion of the hearing. Thank you.
25	CHAIR LEVAR: Okay. Thank you, Ms. Schmid.

1	Okay, Mr. Moore, we're to you now.
2	MR. MOORE: Yes, the Office of Consumer
3	Services calls Professor Randall Woolridge, and asks
4	that he be sworn.
5	CHAIR LEVAR: Okay. Good afternoon
6	Dr. Woolridge sorry Woolridge.
7	Do you swear to tell the truth?
8	THE WITNESS: I do. Sorry. I didn't know if
9	I was on or not.
10	CHAIR LEVAR: Yes. Okay. Thank you.
11	Mr. Moore, go ahead.
12	DIRECT EXAMINATION
13	BY MR. MOORE:
14	Q. Could you state and spell your name for the
15	record, and state how you are employed?
16	A. Yes. My name is the initial J. Randall
17	Woolridge. That's spelled W-o-o-l-r-i-d-g-e.
18	I am a professor of finance at the
19	Pennsylvania State University.
20	Q. Who are you testifying for today?
21	A. I'm testifying for OCS.
22	Q. Did you file, or cause to be filed, on
23	August 20, 2020, direct testimony, together with
24	exhibits RW JWR 1.1 to JWR 10.6, Attachment 1,
25	together with your work papers?

1 Exhibits JRW 1 through 10, yes. Α. Yes. 2 Did you file surrebuttal testimony on October 0. 3 8, 2020? Α. 4 I did. Do you have any changes you'd like to make to 5 ο. your testimony at this time? 6 I have two changes in my direct testimony. 7 Α. First of all, on page -- on page 46, line number 990, 8 9 the 5.5 percent should be 5.6 percent. So 5.5 percent 10 should be 5.6 percent. 11 And then if you go to my exhibits, go to page 12 1 of JRW 8 -- and somehow there was an Excel thing left 13 There's a panel C that should not be there. out. So 14 that should just be eliminated. 15 Are those all your changes? Ο. 16 Α. Yes. 17 Other than those two changes, if I asked you 0. the same questions today, would your answers be the 18 19 same? 20 Yes. Α. 21 MR. MOORE: The Office moves to admit his 22 testimony and exhibits. 23 CHAIR LEVAR: If anyone objects to that 24 motion, please unmute yourself and state your objection. 25 I'm not hearing or seeing any objections, so

1	the motion is granted. Thank you.
2	Go ahead, Mr. Moore.
3	BY MR. MOORE:
4	Q. Have you presented have you prepared a
5	summary to present to the Commission at this time?
6	A. I have.
7	Q. Please proceed.
8	A. Okay.
9	Good afternoon, Commissioners. I am here to
10	testify on behalf of OCS on the cost of capital rate of
11	return.
12	The company has proposed a capital structure
13	with a common-equity ratio of 53.67 percent.
14	Ms. Bulkley has recommended a ROE of 10.2 percent. The
15	company's overall rate of return request is 7.70
16	percent.
17	In rebuttal, Ms. Bulkley updated her ROE
18	studies and concluded that 10.2 percent is still her
19	recommendation, however, the company has reduced its ROE
20	request to 9.8 percent.
21	Now, I've reviewed the company's proposed
22	capital structure and overall cost of capital. The
23	proposed capitalization has more common equity and less
24	financial risk than other electric utility companies.
25	Therefore, my primary recommendation, I am using a

1 capital structure that is more reflective of the capital 2 structures of electric utilities. I'm using a capital 3 structure of 50 percent -- that 50 percent equity 4 makeup.

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To estimate the cost of equity, I have applied a discounted cash flow, or DCF, and the Capital Asset Pricing Model, or CAPM models, to two proxy groups of electric utilities. I have my own electric proxy group. I also used Ms. Bulkley's proxy group. In the end, I find my range for an ROE is 7.6 percent to 8.95 percent.

11 I believe this accurately reflects the current 12 market cost of equity capital. However, to recognize 13 the fact that authorized returns were above my numbers, 14 and the Commission's traditional view of gradualism, in 15 my primary recommendation I'm recommending an ROE of 9 16 percent. Given my recommendation and capitalization and 17 ROE, my primary recommendation is an overall rate of 18 return of 6.91 percent.

My alternative recommendation uses RMP's proposed capital structure with a common-equity ratio of 9. -- 53.67 percent. However, in that recommendation, since I'm using a higher common-equity ratio than -with less finance risk, I'm lowering my ROE to 8.75 percent, which is still at the high end of my range of ROEs. My alternative rate of return position is at 6.92 percent.

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2 Now, there's a number of issues in this case, 3 I think, that differ between my position and 4 Ms. Bulkley. First of all, in terms of the capital 5 structure, as I said, the cap structure has a high 6 common-equity ratio. And one of the things I do, I do a capital structure study in there, and I show that, you 7 know, they're proposing 53.67 percent, while the average 8 9 of the two proxy groups -- the average common-equity 10 ratios are 43.6 percent and 44.0 percent. 11 Much more, if you look at Rocky Mountain 12 Power's parent, Birkshire Hathaway Energy, they have a

So the common-equity ratio in the capital structure proposed by the company is much higher than other electric utilities, and obviously much higher than Rocky Mountain -- than Birkshire Hathaway Electric --Birkshire Hathaway Energy.

common-equity ratio of 42.4 percent.

Second thing is capital market conditions.
Ms. Bulkley's analysis is based on projections of higher
interest rates. As I talk in my testimony, interest
rates are low, and obviously with the coronavirus,
they've gone to be even lower. Economists have been
forecasting higher interest rates for ten years, and
interest rates have continued to go down over time.

Another third issue is the risk of Rocky 1 2 Mountain Power. I use credit ratings. Their credit rating -- S&P of A, Moody's of A3 -- show that they are 3 4 clearly less risky than other electric utilities. Number four. There's a disconnect between 5 Ms. Bulkley's 10.2 percent ROE recommendation and her 6 equity cost rate studies. The average of her mean DCF 7 studies is 8.9 percent. If you look at her risk premium 8 9 study, and you just look at the current rates, not the 10 projections, it's at 9.33 percent. The only thing that 11 really supports her 10.2 percent is her CAPM studies, 12 her CAPX pricing model studies, and there's a big flaw 13 in those, which I'll get to in a little bit. But, I mean, she has numbers from 8.5 to 14 12.3 percent. So she has a very broad range, but 15 16 there's a disconnect there between her equity cost-rate studies and her 10.2 recommendation. 17 18 With respect to the DCF approach, another 19 Number one, she's selectively eliminated low-end issue. 20 DCF results. If you look at what happens if you include the low-end numbers, her DCF result goes from 21 22 8.93 percent, to 8.59 percent. 23 She's also -- you know, there's other things. 24 I talk about she's exclusively used analysts' growth rate forecasts. She's created her own DCF model --25

1	projected DCF model, which you don't see anywhere. And
2	finally, obviously, she says the DCF doesn't work, the
3	dividend you know, the utility stock price is too
4	high and that sort of thing. She's been saying this for
5	a number of years in her testimonies and, you know, the
6	S&P you know, the utilities have continued to do
7	rather well.
8	With her CAPM approach, that's where the
9	big we have a big problem. Number one, she uses a
10	projected 30-year Treasury rate of 3.3 percent, which is
11	a lot higher than current rates.
12	Big issue was she also uses this thing
13	called ECAPM, which is an Empirical Capital Asset
14	Pricing Model, which is kind of a just a an ad hoc
15	model some consultant has come up with.
16	But the big issue is her market risk premium.
17	She has a market risk premium of 12.49 percent. I mean,
18	this is higher than any market I mean, the market
19	risk premium is one of the biggest mysteries of finance.
20	There's lots of studies on the market risk premium.
21	There's no study that comes with a market risk premium
22	nearly as high as 12.49 percent. It's just nobody
23	comes up and this is her own study for this you
24	know, for this consulting engagement, that sort of
25	thing, you know.

You look at -- around, and there's lots of studies of the market risk premium. And I looked at 30-some in developing my market risk premium, and there's nothing that comes close to 12.49 percent. When you dig into it, her 12.49 percent market risk premium is based on the expected stock market return of 14.05 percent.

I mean, historically, the stock market has produced a 10 percent annual return. I can guarantee if you look at the company's pension application, they don't have a return on U.S. stocks of 12 -- of 14.05 percent. If they did, obviously, that would change the pension issue a lot in this case.

14 But anyhow -- and the key ingredient to this 15 is she used -- she applies the DCF model to the S&P 500, 16 she uses analysts' growth rate forecasts as the growth 17 component of that, and she uses a growth rate of 11.6 percent. Well, you know, the fact is, companies 18 19 aren't going to grow their earnings 11.6 percent, 20 especially when -- in my testimony, I go through the tie 21 between earnings growth rates and GDP growth rates.

Now, the long-term U.S. economy is only forecasted to grow between 4 and 4.4 percent. Well, she's using an earnings growth rate that's basically almost three times that. There's no way that can

There's a direct tie between how fast the 1 happen. 2 economy can grow and how fast earnings can grow. And 3 her study assumes that corporate earnings can grow at 4 three times the GDP growth rate. It can't happen. By the way, it's not -- this isn't just my 5 I cite, you know, Milton Friedman, Warren 6 opinion. Buffet, Jeremy Siegel about -- there's a tie between 7 this. 8 So her DCF results should really be ignored 9 10 because of this huge market risk premium which is tied 11 to these -- this expected earnings growth rate. 12 Anyhow, a couple more things. Obviously, she 13 has a risk premium model. I know there's a lot of 14 discussion about authorized ROEs. Well, she directly 15 uses ROEs in her risk premium model. Again, using 16 current interest rates, her number is 9.33 percent, 17 which isn't that far from where I am. But anyhow, this is all based on commission 18 19 behavior, not on investor behavior. You know, usually 20 you use estimated equity cost rate, you look at numbers 21 in the marketplace, where are investors, you look at 22 risks and that sort of thing. This is just looking to 23 see what other commissions are doing, and then running 24 regression on those. 25 One of the things -- she also throws in the

1 expected earnings approach. This is not a measure --2 way to measure the market cost of capital. You know, 3 it's an accounting-based issue. It's independent of 4 market data. It really doesn't capture capital market indicators with the cost of equity. 5 6 And you know, even Dr. Moren (phonetic), who is pretty -- he cites this in his book, but you look --7 when he testifies, he doesn't use the expected earnings 8 9 model. 10 Several other things. Ms. Bulkley brought 11 up -- said RMP is riskier because, and she cites the 12 company's capital expenditures, she cites the Utah 13 regulatory climate, and she cites the electric, fuel, 14 and generation. These are all factors that are captured 15 in their credit ratings; that's all there is to it. 16 And so, given that they have better credit 17 ratings than other electric utilities, they're less 18 risky. 19 One other factor, she also cites flotation 20 We've -- she -- the company hasn't paid any costs. 21 flotation costs. They don't need revenues in the type 22 of -- in the form of a higher ROE to get -- for costs 23 they don't incur. 24 So other than that, in my surrebuttal

testimony, I pretty much reiterate a lot of this stuff.

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1	I show that utilities are taking advantage of this
2	low-cost environment to raise lots of capital. In 2020,
3	they've raised they're going to raise a record amount
4	of capital. So it's not like the capital markets
5	they're using the capital markets and getting low-cost
6	capital.
7	And I mention, for example, fed shares said
8	the interest rates are going to be near zero for
9	until 2023. I talk, again, about Rocky Mountain's risk,
10	and I talk about the capital structure issue.
11	And finally, once again, we go back and deal
12	with this CAPM model, and the having earnings growing
13	at three times GDP growth rate.
14	In summary, again, my recommendation my
15	primary recommendation is an equity ratio of 50 percent,
16	and an ROE of nine percent, recognizing gradualism. My
17	alternative is to go to a the company's proposed
18	capital structure, with a higher common-equity ratio,
19	less financial risk. As a result, you use a lower ROE
20	if you're going to use a higher common-equity ratio.
21	And again, part of all this remember, these
22	proxy companies are these are the utility-holding
23	companies. This came up earlier. They're not the
24	operating companies that lie below them. The ones that
25	have stock that are you know, you look at

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1	Ms. Bulkley's exhibits. The proxy companies are the
2	holding companies. They're not the operating companies.
3	So that's who we use to estimate an equity cost rate.
4	And overall, you know, Rocky Mountain is less
5	risky than these other electric utilities, as and by
6	their S&P and Moody's credit ratings.
7	Q. Does that complete your summary?
8	A. I'm sorry. Yes, that does.
9	MR. MOORE: Professor Woolridge is available
10	for cross of questions from the Commission.
11	CHAIR LEVAR: Thank you, Mr. Moore.
12	Ms. Schmid, do you have any questions for
13	Professor Woolridge?
14	MS. SCHMID: I do not. Thank you.
15	CHAIR LEVAR: Thank you.
16	Ms. Baldwin?
17	MS. BALDWIN: I have no questions for
18	Mr. Woolridge. Thank you.
19	CHAIR LEVAR: Okay. Thank you.
20	Mr. Russell?
21	I'm not hearing any response from Mr. Russell.
22	I think you're on mute.
23	Okay. I'll assume there's no questions from
24	Mr. Russell.
25	Mr. Sanger, any questions from you?

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1	MR. SANGER: No, thank you, I do not.
2	CHAIR LEVAR: Okay. Thank you.
3	Mr. Boehm?
4	Okay. I'll go to Mr. Sabin or Mr. Moscon. Do
5	you have Mr. Sabin, do you have questions for
б	Professor Woolridge?
7	MR. SABIN: I do. Thank you. Can you hear me
8	okay?
9	CHAIR LEVAR: I'm hearing you clearly, yes.
10	Mr. Woolridge, can you hear him?
11	THE WITNESS: Yes, I can.
12	CHAIR LEVAR: Okay. Go ahead.
13	CROSS-EXAMINATION
14	BY MR. SABIN:
15	Q. Professor Woolridge, in your opening statement
16	you noted that the range your calculated range for
17	ROE in this matter is from runs from a low of
18	7.60 percent to a high of 8.95 percent. Is that
19	correct?
20	A. Yes.
21	Q. And I think I if I wrote this quote down
22	correctly, I think you said authorized quote,
23	"Authorized returns are above your range."
24	Is that correct?
25	A. That is correct. Yes, that's correct.

1	Q. And that's true across the board, right, that
2	the authorized returns you're seeing are fall above
3	what you are recommending here?
4	A. Yeah. And I think utility commissions have
5	been slow to lower ROEs to reflect capital costs. Why,
6	I don't know. I mean, where you really see that is now
7	utility market-to-book ratios are above they were
8	above they were around two. That tells you one
9	thing. The returns these companies are earning are
10	above their equity cost rates.
11	And so I think commissions I don't know if
12	commissions are believing these forecasted interest
13	rates or what, but they've been very slow to lower ROEs
14	to reflect what's happened to interest rates over the
15	last decade.
16	Q. Mr or Professor Woolridge, in her rebuttal
17	testimony and I don't know if you have that if you
18	have Ms. Bulkley's rebuttal testimony there.
19	A. No, I do not.
20	Q. Okay. Well, I'm going to refer to Figure 13
21	of her rebuttal testimony. I'll try and bring it up for
22	you. Give me one second.
23	Okay. I'm going to ask you to tell me when
24	you see that, and I will proceed with my questions.
25	A. Yes.

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1	Q. You can see it okay? All right.
2	I'm going to refer to Figure 13, which is on
3	page here on page 83 of her rebuttal testimony. She
4	has plotted out the average authorized ROEs in the cases
5	in which you've testified, versus your recommendations.
6	Do you see that chart?
7	A. I do.
8	Q. Okay.
9	Do you have any reason to disagree with the
10	data or the representation she has provided in
11	Figure 13?
12	A. No. I kind of wish, though, that she'd gone
13	ahead and plotted what her recommendations are on that
14	graph, because you're going to see her recommendations
15	have all been above 10 percent consistently for the last
16	four or five years, higher than that if you keep going
17	backward.
18	So, I mean, if she'd plotted hers with this,
19	you could see just like mine are below the averages,
20	hers are well above the averages.
21	Q. I just think my question was, does this
22	accurately represent your recommended ROEs versus the
23	authorized ROEs that have been ordered by commission?
24	A. Oh, yes, I agreed with that, but I just made
25	that additional comment.

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1	Q. That's all I
2	A. I agreed with that, yes.
3	Q. That's all I needed to know. Thank you.
4	I have sent some exhibits that if you could
5	look in the exhibits that I have sent. You should see
6	that there were four or five exhibits. And I'm going to
7	share this with you.
8	A. I don't have those exhibits. I did not get
9	them. You didn't send them to me.
10	Q. I think I sent them to your counsel. Just
11	trying to make sure that they went the right route.
12	I'm going to put up this is Rocky Mountain
13	Power Cross Exhibit 3. This is a document that
14	represents all of the rate cases in which you've
15	testified from 2012 through 2020. And in each case it
16	has the type of utility, the docket number, your final
17	recommendation, and the authorized ROE.
18	Would you just look through that and tell me
19	if you have any if you believe that all to be
20	accurate?
21	A. I really don't know. I'd have to go back and
22	look at those. So I have no I can't say whether it's
23	accurate or not. I mean, I don't I don't know why
24	I would say subject to check, it subject to check, I
25	could agree. I don't I'm sure that Ms. Bulkley

1	wouldn't put false information in there. So I'm not
2	blaming her, I just I have no reason not to believe
3	that she did correctly, but can I verify it by looking
4	at this screen? No.
5	Q. Okay.
6	MR. SABIN: Mr. Chairman, I would move the
7	admission of Rocky Mountain Power Cross Exhibit No. 3.
8	CHAIR LEVAR: If anyone objects to that
9	motion, please indicate your objection.
10	I'm not seeing or hearing any objections, so
11	the motion is granted. Thank you.
12	BY MR. SABIN:
13	Q. Okay. And I'm just going to point out, in
14	your column for your final recommendation, it's true,
15	isn't it, on this chart that there is not a single ROE
16	you've ever recommended above nine percent?
17	A. I
18	Q. In eight years.
19	A. At least I would say generally, I would
20	say that's probably true. So I'm not going to disagree
21	with that.
22	Q. Okay. And would you accept, subject to check,
23	that your average is approximately 8.75 percent?
24	A. Probably, yes.
25	Q. Okay.

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1	I'm going to put up another exhibit here.
2	Give me one second.
3	All right. Tell me when you see that
4	document.
5	A. I do see that.
6	Q. Okay. I'm going to represent this is Rocky
7	Mountain Power Cross Exhibit No. 4. You can the
8	figure on the right should look familiar to you. That
9	is Figure 13 from Ms. Bulkley's rebuttal testimony.
10	On the left-hand side, what that is, is
11	that is we've taken the quarterly average of your
12	recommended ROEs from all of your cases from 2012 to
13	2020, and compared it to the authorized ROEs in those
14	same cases.
15	So you can see that your recommendation is
16	here in the first column, the authorized ROE is in the
17	second column, and then the average authorized ROE is in
18	the third column, meaning the average nationwide.
19	Do you have any I note your prior statement
20	about not being able to verify every line item on the
21	fly, but subject to check, would you accept that these
22	figures are accurate?
23	A. Again, I have no idea.
24	Q. Okay.
25	Well, let me represent to that you that

1 these -- this data comes from a -- comes from data 2 responses that you have provided -- or that the OC --3 that the Office provided with your cases, and we've 4 taken those cases and plotted them here. 5 Do you have any reason to disagree that this is accurate? 6 I don't know, but I can't verify. I can't 7 Α. even read the numbers. 8 Okay. Let me -- I'm sorry. 9 I didn't know 0. 10 that. Let me make it bigger. Is that helpful? 11 That is. Α. 12 0. Okay. 13 I -- yeah, I can read the numbers now. Α. I'm going to apologize again. I didn't 14 0. Okay. know you couldn't read them. So... It's hard to know 15 16 when it's displaying, how big it is. I can't see what 17 you're seeing. So please let me know if that happens 18 again. 19 No, no. I appreciate it. Α. Okav. Thank you. 20 Q. Okay. 21 And here, what I want to demonstrate is, the 22 percentages you are recommending are, in every case, 23 below the recommend -- below the authorized ROE, and 24 also, in every case it is below the average authorized ROE nationwide. 25

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1	Do you agree with that?
2	A. I agree. And I my bet is if you did the
3	same thing with Ms. Bulkley's recommendations, they're
4	all above where the Commission came in and they're above
5	the average authorized ROEs. I mean, the ROEs, for how
6	many years, have been in the nines, and I haven't seen
7	her in a case where she's been below ten in since
8	I've seen her testify.
9	So, I mean yeah, I mean, if you completed
10	this graph and put hers above it, it would look a lot
11	like mine below it.
12	Q. Well, I'll press you on that just a minute.
13	You agree with me that her range runs from 9.7 to 10.2,
14	right?
15	A. I believe so, yes.
16	Q. And I actually see authorized ROEs in both
17	columns, some above 10.2; there's a 10.25 here. But I
18	see lots of 9.7s, 9.8s, 9.9s. I don't see any that fall
19	within your range.
20	A. Yeah. Again, I again, there's two things.
21	One thing, these are, you know, her recommendations. As
22	I said at the outset, if you look at her numbers in this
23	have been DCD in a constant of it was a low to a c
	case, her DCF is 8.9 percent, or it goes down to 8.6
24	percent if you take care of her outliers. She doesn't

1	So, really, it's her professional judgment.
2	"Well, I'm going to ignore those low numbers. I'm going
3	to ignore this risk premium number, which is
4	9.33 percent. I'm going to ignore everything on this
5	CAPM number."
6	So, again, yeah, I mean, you're right. If you
7	look at her numbers, they're higher, but it's also
8	she's at 10.2. The numbers don't support it. I mean,
9	the DCF model is used in every jurisdiction around the
10	country. She ignores it. I mean and so it's all
11	based on one thing, her CAPM numbers.
12	Q. Let me represent to you that we did the math
13	on just taking the average of the authorized ROEs in
14	the cases in which you've testified, and those that
15	average is 9.65 percent.
16	I don't expect you to be able to know that,
17	but that compared to the authorized or to the
18	recommended ROEs from you from the prior exhibit, means
19	there's about a 90 basis-point difference between the
20	average you recommend and the average that the
21	commissions approve. A 90 basis-point difference.
22	Do you have any reason to dispute that?
23	A. I really don't know. Again, I can't verify
24	this. But my bet is if you had another column with
25	Ms. Bulkley's recommendations, there would be about a

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1	90 basis-point difference there.
2	Q. Well, I'll just note, there's nothing in the
3	record that demonstrates what you're saying.
4	That's right, isn't it? You don't have an
5	exhibit that shows what you're saying?
6	A. No, I don't, but I have a lot of experience,
7	and so I I've seen her testimony a lot.
8	Q. Okay.
9	MR. SABIN: I can't remember, Mr. Chairman
10	I'd like to move for the admission of Rocky Mountain
11	Cross Exhibit I think this is 5.
12	CHAIR LEVAR: Thank you.
13	If anyone objects to that motion, please state
14	your objection.
15	I'm not seeing or hearing any objection, so
16	the motion is granted.
17	BY MR. SABIN:
18	Q. Okay. Professor, I'd like to take you to a
19	different topic. I'm going to show you this is a
20	the case in which you testified, which you testified
21	in February in a case in Maryland. It's for the
22	application of Delmarva Power & Light Company for an
23	increase in its retail rates for the distribution of
24	electric energy. And I'm going to pull that up here.
25	Give me one second.

1 Let me know, Professor, when you see that. 2 Α. I can see that, yes. 3 Okay. I'm going to go down. This is the --0. 4 your testimony from that -- from -- your direct 5 testimony from that proceeding. And I'm going to go I don't mean to give anybody a down to page 17. 6 headache from moving through it fast. I just wanted to 7 8 show you the opening page. The question you asked yourself here is, "Do 9 10 authorized ROEs for electric delivery companies like BGE 11 differ from authorized ROEs for integrated electric 12 utilities?" And you answer, "Yes." 13 And then would you just read the remainder of 14 that paragraph into the record, please? 15 [As read] "One consistent factor in electric Α. 16 utility authorized ROEs is the ROEs for electric or 17 distribution-like companies have consistently been below those of vertically integrated utilities. 18 This is shown 19 The lower authorized ROEs are usually in Figure 4. 20 attributed to the fact that delivery or distribution 21 companies do not own or operate electric generation 22 which is presumed to be riskier part of electric utility 23 operations. I believe Commissions in states who have deregulated recognize the lesser risk and award lower 24 The ROE" -- "authorized ROEs for electric 25 ROEs.

1	delivery companies have been 30 to 50 basis points below
2	those of vertically-integrated electric utilities in
3	recent years. In 2018, the average authorized ROE for
4	electric delivery companies was 9.37%."
5	Q. Okay. And this testimony you filed by my
6	records, it was filed in February of 2020. Right? You
7	agree with that?
8	A. It sounds yeah, that sounds right.
9	Q. Okay. That was prior to the pandemic?
10	A. Yes.
11	Q. And in that case, you recommended that
12	Delmarva should receive a nine percent ROE, correct?
13	A. I think I recognized gradualism in that case
14	as well, but I don't remember the details.
15	Q. Okay.
16	Delmarva is a delivery it's an electric
17	delivery company only; it's not a fully integrated or
18	it's not a vertically integrated electric utility,
19	right?
20	A. No, it's not. And but again, Rocky
21	Mountain has better credit ratings, and so you would
22	think Rocky Mountain, in the view of S&P and Moody's, is
23	less risky than other utilities. So they account for
24	they account for their generation, they account for
25	their fuel supplies and that sort of thing.

1	Q. Yeah. And you say, though, that authorized
2	ROEs for electric delivery companies have been about
3	between 30 and 50 basis points below those of vertically
4	integrated utilities, right?
5	A. Historically, they have been, yes.
6	Q. And you say that at the bottom sentence
7	there, that the average ROE for electric delivery
8	companies is approximately 9.37 percent as of the
9	sometime in 2018.
10	A. That was in 2018, yeah.
11	Q. Right. So and you're providing this
12	information in a February 2020 case, right?
13	A. I do well, hold on. I don't know what the
14	date was of this testimony. I don't remember. It's
15	probably on the first page. I don't remember.
16	Q. I'm happy to right there. February 21,
17	2020, right?
18	A. Very good. Okay.
19	Q. So let me ask my question again. This
20	testimony you were providing was being provided in a
21	case when you filed this on February 20 21, which,
22	presumably, the case was heard after that date, right?
23	A. No. This was a settlement. I think it was a
24	settlement.
25	Q. Okay.

October 29, 2020 I'm pretty sure it was a settlement. Α. But in any event, the case -- you filed your 0. direct testimony before any settlement or proceeding was done, right? Yes, I did. Α. Okay. Q. So if I take -- and you're providing this 9.37 percent in a 2020 case. I assume you thought that was And I add to it the 30 to 50 basis points on relevant. top of the 9.37 percent, that gets us a range of between 9.67 to 9.87 percent that would normally, you would say, be the expected electric -- the ROE for a vertically integrated electric utility in that time period. Right? Α. Yeah. And I think that if you look at the data -- but you have to look at the data for 2020. First of all, you don't compare 2018 to 2020. Those are two different timeframes. I don't think I was. I think I was telling 0. you that, for that timeframe, it should have been between 9.67 and 9.87 percent. Right? Α. Well, and we have data. We know right now, in 2020 -- if you really focus -- want to focus on, you know, the authorized returns for -- obviously,

24 vertically integrated utilities, the number year-to-date 25 is like 9.67 percent. I mean, if you want to look at

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1	other utilities and pick your ROEs that way, that's one
2	way to do it.
3	When I I don't use other ROEs. I present
4	them so the Commission knows where they are, but I don't
5	use them in my determinations.
6	Q. I understand that.
7	A. Ms. Bulkley does. She uses a risk premium
8	model with authorized ROEs. I don't do that.
9	Q. Okay. Understood.
10	So, you believe, though, as you sit here, that
11	an electric service only company, just a few months ago,
12	before COVID-19, should be getting a nine percent ROE,
13	and Rocky Mountain Power, a fully integrated utility six
14	or seven months into the pandemic, should be getting
15	exactly the same ROE as that entity? I just want to be
16	clear. That's what you're telling us?
17	A. First of all, I don't know what my range was
18	in that case. The nine percent had gradualism built
19	into it. There's no doubt about that.
20	So I don't know what my range was. My I
21	know my range was below where it is in this case, but
22	again, I used gradualism in that case as well.
23	But anyhow, so that's one thing. But in the
24	end, obviously, interest rates are a lot lower now than
25	they were, things like that. Other factors have come

1	into play, and that's why, you know, the numbers still
2	have worked out to about nine percent.
3	And again, Rocky Mountain is less risky than
4	these other utilities, judged by their credit ratings.
5	Q. Okay.
б	You brought up interest rates. I want to
7	shift to that topic. On if I could get you to turn
8	to page 8 of your surrebuttal.
9	A. Yes.
10	Q. Tell me when you're there.
11	A. I'm there.
12	Q. Okay.
13	Do you see in the middle of page, line 146?
14	A. Yes.
15	Q. I'm going to ask you to read your question
16	there on line 146, and then go down to line 152. If you
17	could read that into the record, I'd appreciate it.
18	A. "Has Ms. Bulkley recognized that interest
19	rates and capital costs have declined?"
20	Q. Go ahead, continue reading.
21	A. Oh, the whole paragraph?
22	Q. Yep.
23	A. Oh. "No. She clearly ignores the impact of
24	interest rates which seems to suggest that she believes
25	that the lower level of interest rates has nothing to do

1 with the return on equity investors require. 2 Ms. Bulkley's direct and rebuttal testimonies and the 3 results of her analyses indicate that the decline in 4 interest rates does not matter to capital costs. This ignores the direct relationship between lower interest 5 rates and lower capital costs." 6 Okay. 7 Q. So you're critical of Ms. Bulkley because you 8 say her analysis does not properly take into account 9 10 interest rate adjustments; is that correct? 11 Δ No. I said she -- in the end, she didn't talk 12 about a lot of things. She didn't focus on what's 13 happening to interest rates. 14 Your position is that interest rates have a ο. 15 direct relationship with the return on equity. That's 16 what this paragraph you read just said; is that right? 17 Α. Generally, it does, yes. It's going to vary 18 over time. It's not one for one, it's going to vary. 19 But generally, over time, interest rates go down, RO --20 you know, equity cost rates go down. Likewise, interest 21 rates go up, generally. Not a one-for-one relationship. 22 0. Okay. 23 I'm going to bring up another exhibit here. 24 Just write myself a note. Okay. 25 Not that one.

1	Okay. Tell me when this will look
2	familiar. And actually, this is already in the record
3	as a different exhibit, but I will I also have it in
4	my exhibits.
5	So I tell me when you see that. That
6	should look familiar from an exhibit Mr. Moscon talked
7	with Ms. Bulkley about earlier.
8	A. Yes.
9	Q. Do you agree with me that this I mean, take
10	your time and look at it that this is
11	representative I'll just represent this comes from
12	the Federal Reserve, October 15, 2020. We plotted the
13	federal funds target rate from 2008 through the present.
14	Do you have any reason to dispute that this is
15	accurate?
16	A. I have no reason to dispute that, yes.
17	Q. Okay.
18	And it's already been admitted, so I'm going
19	to shift now to another exhibit. Okay. And I'm going
20	to show you this document. Tell me when that comes up.
21	A. Yes.
22	Q. Okay.
23	I'm going to let me represent to you we've
24	taken that same data from the earlier from your
25	recommended ROEs in the cases in which you've testified,

1	and we've plotted that against the average federal funds
2	rate over the same period, from 2012 to the third
3	quarter of 2020. Okay?
4	And let me just represent to you that so
5	this is a compilation of the earlier exhibits I showed
6	you, both the federal funds rate we've just averaged
7	it over the same period we averaged your recommended
8	ROEs.
9	And I'll just ask you, subject to check, do
10	you have any reason to dispute that this would be an
11	accurate reflection of those averages?
12	A. No. It could be, yeah. I don't have any
13	reason to dispute that. That's correct. And
14	Q. Okay.
15	A the results don't surprise me, because ROEs
16	are you know, the federal funds rate is a one-day
17	rate. We look at long-term rates when we're looking at
18	ROEs. We don't look at one-day rates.
19	Q. My point is that you just you criticized
20	Ms. Bulkley for saying that her analysis does not
21	properly account for the, quote, direct relationship
22	between interest rates and the return on equity, but as
23	I look at the recommended ROEs that you have put forward
24	in cases, it doesn't appear to me that it follows in any
25	regard what's going on with the federal funds changes in

1	the interest rates.
2	A. Well, that's because this exhibit doesn't
3	relate to ROEs. The fed the overnight fed funds rate
4	doesn't relate to ROEs. It can you know, the fed
5	adjusted rate is a one-day rate. You know, we look at
б	30-year rates, not one-day rates, when we set this. And
7	obviously, the fed directly controls this, and they can
8	manipulate it, but long-term rates are going to reflect
9	other factors as well.
10	They're going to reflect, primarily, two
11	things: expected growth and expected inflation. Those
12	are the primary drivers of long-term rates, and those
13	are what we look at when we compare it make our we
14	use our ROEs. But neither Ms. Bulkley or myself look at
15	the feds fund rates and use it in any way to estimate an
16	ROE.
17	Q. Okay. So you agree with her earlier testimony
18	today, then, that the interest rates that she was
19	looking at are the appropriate ones to consider in a
20	in your ROE analysis?
21	A. I don't understand what your question is.
22	Which ones are you talking about?
23	Q. Let me pull those up. Give me one second, and
24	I will go grab the earlier exhibit that
25	So let me pull this up.

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1	Do you recall earlier well, let me know
2	when you see this, and then we'll talk about that.
3	A. Yes.
4	Q. This is let me represent this is, again,
5	Bulkley Redirect Exhibit 3. So you agree with her,
6	then, that this these are the kind of rates these
7	30-year Treasury yields are the ones that you're looking
8	at when you're doing an ROE analysis properly?
9	A. Generally, yes, that's what I mean,
10	obviously, in our CAPM models and things like that, as a
11	base rate, you use that interest rate. And
12	Q. Okay. Okay. Thank you.
13	I'm going to stop sharing that.
14	MR. SABIN: Mr. Chairman, I would like to move
15	for the admission of Rocky Mountain Power Cross Exhibits
16	No. 4 and 8.
17	CHAIR LEVAR: Okay. If anyone objects to that
18	motion, please indicate your objection.
19	I'm not seeing or hearing any objections, so
20	the motion is granted.
21	MR. SABIN: Okay. Thank you.
22	BY MR. SABIN:
23	Q. I just want to cover one more topic with you,
24	Professor, and that is, Ms. Bulkley earlier testified
25	that I think there's a let me just represent I

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1	think there's a significant disagreement between you and
2	Ms. Bulkley about the health of the utility industry at
3	present. And that's not my that's not your words,
4	those are mine.
5	Do you agree that that's an area of
6	disagreement between the two of you?
7	A. I don't know what her opinion is.
8	Q. Well, I think she testified earlier that the
9	utility sector has not recovered in the current
10	pandemic, as the remainder of the S&P 500 has recovered.
11	And I if I heard you correctly in your statement
12	earlier, I think you're representing that it's never
13	been a better time for the equity markets, utilities are
14	going to set records on the amount of equity that
15	they're able to obtain in this timeframe, and that
16	it's things are going quite well for the utility
17	sector. And again, those are my words, not yours, so
18	Have I understood you correctly?
19	A. Well, let's put it this way: Utilities are
20	raising a record amount of capital. I mean, over a
21	hundred billion dollars a year for the last three years.
22	2020 was bigger than the last two years.
23	So their ability because they all
24	investment grade bond ratings, they have access to
25	capital, and they're raising capital. And it's cheap,

so it's good. But, you know, if things were so bad, 1 2 they couldn't be out there raising capital on a 3 day-to-day basis. The markets have been good; they've 4 been able to raise capital. Okay. So I think the answer, then, is yes, 5 0. you believe the industry is very healthy, and she 6 disagrees and believes that there are -- it's lagging 7 behind the remainder of the S&P. 8 In my testimony, I do say they haven't 9 Α. 10 recovered as well as the rest of the market, in terms of the -- from the stock -- you know, the Dow Jones Utility 11 12 Index hasn't performed as well, but, you know, over 13 time, utilities usually underperform in the market 14 because they're less risky. Historically, you can you 15 track that. 16 But they haven't recovered as well -- they got 17 hit harder than usual during March and April; they 18 haven't recovered as well. But that still hasn't 19 stopped them from raising capital, that sort of thing. 20 ο. Yeah. So I just want to confirm with you, 21 then -- I'm going to show you -- I'm putting up another 22 exhibit. This is Rocky Mountain Power Cross Exhibit 23 No. 7. You saw this in Ms. Bulkley's presentation 24 25 earlier this morning. You can see that the bottom line

1	represents the S&P 500 Utilities, versus the top number,
2	which is the S&P 500, right? See that?
3	A. Yes.
4	Q. And you can see that the S&P during the period
5	from January until basically September, October, has
6	pretty well recovered. Would you agree?
7	A. It pretty much has. This week hasn't been a
8	good week.
9	Q. Yeah.
10	And then if you look at the utility line, it
11	was running higher than the S&P in January, February,
12	and early March, but then took a deep dive in middle of
13	March, and really has never gotten back it's running
14	quite a bit below where it was, say, in, you know,
15	January or February? Wouldn't you agree?
16	A. Yeah, that's true. I agree. And I think one
17	of the ironies here is, of course, Ms. Bulkley the
18	only way that we really directly use utility stock
19	prices is in the DCF approach, and Ms. Bulkley has
20	ignored her DCF results, so because they're too low.
21	And so the irony is, even though they have
22	underperformed, their DCF numbers are still low, and
23	they're so low that she refuses to use them.
24	Q. Well, I mean, it's true, though, isn't it,
25	that the S&P Utilities Index is a reflection of what

1 investors think about the utility stocks at present? 2 If they had a high opinion of those stocks, Right? 3 they -- it would have recovered. 4 Α. Well, in the end, they have recovered to some The dividend yields are not back to where they 5 degree. were, but they're getting closer. They're at like 3.6, 6 not 3.1 or 3.2. But again, Ms. Bulkley didn't use 7 utility stock prices, because she doesn't -- because the 8 9 numbers are too low for her. 10 I'm just asking you about the disagreement Ο. 11 between you and her about the health of the utilities 12 And investors seem to agree with her, not industry. 13 with you. Isn't that true? 14 Α. I -- if you look at my testimony, I No. recognize they've underperformed. I talk about that, 15 16 but I said that hasn't stopped them from raising record amounts of capital. 17 18 So it's not like the capital -- I mean, 19 they -- it's still an attractive place. The markets 20 have been very kind to utilities. And they have 21 underperformed, but historically, utilities do 22 underperform because they're less risky. 23 MR. SABIN: Okay. Mr. Chairman, I'd like to 24 move to admit Rocky Mountain Power Cross Exhibit No. 7. 25 CHAIR LEVAR: Okay. If anyone objects to the

1	motion, please indicate your objection.
2	I'm not seeing or hearing anything, so the
3	motion is granted. Thank you.
4	MR. SABIN: So I just want to confirm,
5	Mr. Chairman. I believe I've admitted Exhibits 3, 4, 5,
6	7, and 8. I think that's correct. I want to just make
7	sure that you have the same.
8	CHAIR LEVAR: If we have not covered those
9	specific exhibit numbers, then I will grant this motion
10	to submit those exhibits.
11	MR. SABIN: Okay.
12	Could I ask for just one moment to confer with
13	my client to make sure that we've covered everything we
14	need to with this witness?
15	CHAIR LEVAR: Yeah. Well, in fact, why don't
16	we take a ten-minute break, and then we'll come back to
17	you and then to Mr. Moore, if he has any redirect.
18	MR. SABIN: That's fine. Thank you very much.
19	CHAIR LEVAR: Why don't we come back in ten
20	minutes.
21	(Whereupon a short recess was taken.)
22	CHAIR LEVAR: We'll go back to Mr. Sabin. Do
23	you have any further questions for Mr. Woolridge?
24	MR. SABIN: I do not have any further
25	questions at this time. Thank you.

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1	CHAIR LEVAR: Thank you.
2	Mr. Moore, do you have any redirect for
3	Mr. Woolridge?
4	MR. MOORE: Yes, I do.
5	CHAIR LEVAR: Okay. Go ahead.
6	REDIRECT EXAMINATION
7	BY MR. MOORE:
8	Q. Professor, do you have Ms. Bulkley's testimony
9	on hand?
10	I'm missing my witness.
11	MR. MOSCON: I note that he's not even on the
12	screen anymore.
13	CHAIR LEVAR: I probably should have checked
14	that before I started the hearing back.
15	MR. MOORE: I know he's planning on coming
16	back in.
17	There he is.
18	THE WITNESS: Sorry about that. I got knocked
19	off.
20	CHAIR LEVAR: Okay, Mr. Moore.
21	BY MR. MOORE:
22	Q. Professor, do you have access to Ms. Bulkley's
23	rebuttal testimony?
24	A. I do not.
25	Q. I will represent that on page 26 of her

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1	rebuttal testimony, Ms. Bulkley testified in connection
2	with the DCF mode, that utility prices are still too
3	high.
4	Could you respond to that?
5	A. Yeah. I mean, obviously, we saw that they've
6	underperformed since the March and April of this
7	year, and yet she still says they're too high, and
8	therefore, the dividend yields are too low, and that's
9	why she refuses to use the DCF model.
10	So, yeah, I mean, she still says I mean,
11	she's forecasting apparently, you know, she knows
12	more than the market, and thinks that utility stock
13	prices should be lower. But, I mean, she's been saying
14	this for three or four years, so this is not a new
15	observation on her part.
16	MR. MOORE: Thank you. I have no further
17	questions.
18	CHAIR LEVAR: Thank you.
19	Did those questions from Mr. Moore raise any
20	recross from anyone? If you do have any recross, please
21	unmute yourself and tell me that you do.
22	MR. SABIN: None from Rocky Mountain Power,
23	Chairman.
24	CHAIR LEVAR: Okay. Thank you.
25	And I'm not seeing any recross from anyone

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1	else, so I'll go to Commissioner Allen next.
2	Commissioner Allen, do you have any questions
3	for Professor Woolridge?
4	MR. ALLEN: No questions. Thank you.
5	CHAIR LEVAR: Okay. Commissioner Clark?
б	You're muted, Commissioner Clark.
7	MR. CLARK: Yeah, I that mute button is
8	elusive on this under this program. Sometimes it's
9	there, sometimes I can't find it.
10	But anyway, I have no questions. Thank you.
11	Thank you, Professor.
12	CHAIR LEVAR: Thank you.
13	And I don't have any other questions either,
14	so thank you for your testimony this afternoon,
15	Professor Woolridge.
16	THE WITNESS: Great. Thank you.
17	CHAIR LEVAR: Mr. Moore, anything else from
18	the Office of Consumer Services?
19	MR. MOORE: The Office has nothing else.
20	Thank you.
21	CHAIR LEVAR: Okay. Thank you.
22	Ms. Baldwin?
23	MS. BALDWIN: Commissioner, I'm very sorry.
24	My witness was available I didn't realize he told
25	me about an hour ago that he was only available until

1	about 4:00 our time. So, if possible, we'd like to be
2	able to put our witness on tomorrow.
3	CHAIR LEVAR: Okay. Does anyone else have
4	anything else? I don't think there were any other
5	witnesses from any parties for this phase of the
6	hearing. Does any participant in this hearing have any
7	other issue?
8	MR. MOORE: I have one issue, Commissioner.
9	CHAIR LEVAR: Mr. Moore?
10	MR. MOORE: I neglected to move to admit OCS
11	Cross Exhibit No. 4. I wonder if there would be any
12	objection if I could move to have it admitted now?
13	CHAIR LEVAR: If anyone objects to that
14	motion, please indicate your objection.
15	MR. SABIN: Can you give me one moment? I
16	just can't I don't think there's an objection, but I
17	can't remember what Cross Exhibit 4 is. Let me go back
18	and find that.
19	CHAIR LEVAR: Sure. We'll wait a few moments
20	for everyone to have that opportunity.
21	MR. SABIN: Sorry. It's coming up. Give me
22	one second.
23	Sorry. My computer is stuck. Give me one
24	second. I'm not sure what's going on.
25	There it is. Okay. I've got it up. Just one

-	
1	second.
2	Sorry. It's just alluding me. Give me one
3	second.
4	Okay, here they are.
5	So you said it was No. 4?
б	MR. MOORE: Yes.
7	MR. SABIN: I don't think we have any
8	objection to that. I think it's fine.
9	CHAIR LEVAR: Okay. Does anyone else need any
10	more time to see if you had any objections to the
11	motion?
12	Okay, with that, the motion is granted.
13	Anything else from any party before we recess
14	until tomorrow morning?
15	MR. SANGER: Yes. This is Irion Sanger. Just
16	one minor item. Just wanted to let you know that my
17	associate, Joni Sliger, will be appearing for me
18	tomorrow. She is she made an appearance in the
19	intervention. Just wanted to let you know.
20	CHAIR LEVAR: Okay. Thank you.
21	Anything else?
22	Thank you to everyone for your participation
23	today. We are in recess until 9:00 a.m. Friday morning.
24	Thank you.
25	(Hearing in recess at 4:30 p.m.)

1	REPORTER'S CERTIFICATE
2	STATE OF UTAH )
3	) COUNTY OF UTAH )
4	
5	I, DEIRDRE RAND, a Certified Court Reporter and
6	Registered Professional Reporter, hereby certify:
7	THAT the foregoing proceedings were taken via
8	teleconference, at the time and place therein set forth,
9	with the parties via videoconference from their
10	respective locations; that the proceedings were taken
11	down by me in shorthand and thereafter my notes were
12	transcribed through computer-aided transcription; and
13	the foregoing transcript constitutes a full, true, and
14	accurate record of such arguments adduced and oral
15	proceedings had, and of the whole thereof, which were
16	and intelligible through the videoconference connection.
17	I further certify that I am not a relative or
18	employee of any of the parties, nor do I have a
19	financial interest in the action.
20	I have subscribed my name on this 9th day of
21	November, 2020.
22	Trilend
23	DEIRDRE RAND, RPR, CSR, CCR
24	
25	
	Advanced Poperting Solutions

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