In the Matter Of:

In Re: RMP - RFP Solicitation Process for Wind Resources

HEARING, DOCKET NO. 17-035-23

September 19, 2017

Job Number: 416305

1 BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH 2 Application for Rocky) DOCKET NO. 17-035-23 3 Mountain Power for) Approval of Solicitation 4) HEARING Process for Wind) 5 Resources) PRESIDING OFFICER) THAD LE VAR 6) 7 8 SEPTEMBER 19, 2017 9:00 a.m. 9 Location: Public Services Commission 10 160 East 300 South, 4th Floor Salt Lake City, Utah 84111 11 Reporter: Rose-Marie Robinson 12 Registered Professional Reporter 13 Utah CCR, California CSR 14 15 16 17 18 19 20 21 22 23 24 25 Job No. 416305

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1	Page 6 September 19, 2017 8:59 a.m.
2	PROCEEDINGS
3	MR. LEVAR: Good morning. We are here for
4	Public Commission Docket 17-035-23, the application
5	of Rocky Mountain Power for approval of a
6	solicitation process for wind resources. Rocky
7	Mountain Power filed this application in this docket
8	on June 17th, 2017. After a round of comments and
9	reply comments, we issued an order on August 22nd,
10	2017, in which we concluded Rocky Mountain Power had
11	not made a showing sufficient to justify our
12	approval of this solicitation process under the
13	statutory standards of the Energy Resource
14	Procurement Act.
15	In that order, we indicate our willingness
16	to continue to consider the application. Since that
17	order, we have received written, direct, and
18	rebuttal testimony, and we anticipate receiving
19	surrebuttal testimony during today's hearing. With
20	that supplemental record, we will continue to
21	consider Rocky Mountain Power's application.
22	So why don't we move to appearances next
23	for the utilities.
24	MS. HOGLE: Good morning, Chairman,
25	commissioner's parties.

Page 7 Yvonne Hogle for Rocky Mountain Power, and 1 2 with me here today is Mr. Rick Link. 3 Thank you. For the division? MR. LEVAR: 4 MS. SCHMID: Patricia E. Schmid with the attorney general's office for the division. 5 The division's witness today is Mr. Charles E. Peterson, 6 and he is with me at counsel table. 7 8 MR. LEVAR: Okay. Thank you. 9 For the office? 10 MR. MOORE: Roger Moore for the Office of 11 Consumer Services. With me at counsel table is Bela 12 Vastag. On the phone we have Philip Hayet -13 witnesses. 14 MR. LEVAR: Okay. Thank you. And is Mr. 15 Wayne Oliver here? 16 MR. OLIVER: Yes. 17 MR. LEVAR: Mr. Oliver? Okay. Thank you. 18 And you are not represented by counsel. 19 Right? You're the independent evaluator for the 20 RFP? 21 MR. OLIVER: Yes. And I do have a 2.2 colleague on the line that is also participating. 23 His name is Mr. Ed Selgrade. 24 MR. LEVAR: Okay. Thank you. 25 And he's on the phone? Okay.

Page 8 1 Anyone here from Interwest Energy 2 Alliance? 3 MR. LONGSON: Mitch Longson here with 4 Interwest, thank you. MR. LEVAR: Ms. Wright, I'll get your name 5 6 correct today. 7 MS. WRIGHT: No, that's great. Sophie Hayes sends her apologies. She's ill today. Gary 8 9 Dodge has agreed to help me out on this one. MR. LEVAR: Okay. Thank you. 10 11 Mr. Dodge? 12 MR. DODGE: Thank you, Mr. Chairman. I'm 13 Gary Dodge on behalf of the Utah Association of 14 Energy Users. 15 MR. LEVAR: Okay. And you have a witness 16 present --17 MR. DODGE: I should indicate that our witness, Steve Knudsen, is here in the room. 18 19 MR. LEVAR: Okay. Thank you. 20 And Ms. Barbanell? 21 MS. BARBANELL: Yes. Melissa Barbanell 2.2 with sPower. Our witness, Hans Isern, is available 23 on the phone today. 24 MR. LEVAR: Let's see. Is there anyone 25 else on the telephone that has not yet been

1	identified? Page 9
2	MR. SELGRADE: Ed Selgrade from Merrimack
3	is on.
4	MR. HAYET: Phil Hayet.
5	MR. LEVAR: I think there's some mumbling
6	on the phone that we're not picking up.
7	I have on the phone Mr. Phil Hayet, Mr.
8	Hans Isern, Edward Selgrade with Merrimack.
9	Those are the ones I've identified. Is
10	there anyone else who needs to identify themselves
11	on the phone, or do we just have some who are
12	listening?
13	Okay. I'm not hearing any further
14	responses. I would also point out that the hearing
15	can be listened if someone just wants to listen,
16	it's being streamed through YouTube.
17	I think our next issue to move to is the
18	intervention of Utah Clean Energy. We received the
19	application to intervene from Utah Clean Energy.
20	That has not yet been ruled on. The 20th day under
21	which any party could oppose that intervention ends
22	at the end of the day today; so I will ask if anyone
23	in the room if any parties in the room intend to
24	oppose intervention of Utah Clean Energy.
25	And I am not seeing any indication of

1	Page 10
1	opposition to that intervention; so the intervention
2	is granted.
3	And then the next we have a contested
4	intervention from sPower, and we had indicated that
5	we will consider that this morning; so why don't we
6	go to Ms. Barbanell.
7	Why don't you speak first to your position
8	to intervene. We'll hear from Ms. Hogle, and then
9	if any other attorneys have any desire to weigh in
10	on the intervention issue, we will do so, and I
11	think we will have some questions for both Ms.
12	Barbanell and Ms. Hogle as we move forward.
13	So why don't you go ahead.
14	MS. BARBANELL: Thank you, Commissioner.
15	While PacifiCorp alleges that sPower
16	cannot show intervention is proper under UAPA or any
17	other statute, sPower's intervention should be
18	allowed based on both policy and legal analysis. In
19	light of the Energy Resource Procurement Act's goal
20	of ensuring that solicitations result in the
21	acquisition, production, and delivery of electricity
22	at the lowest cost to Utah customers, excluding the
23	Utah bidder from this RFP process where it may be
24	able to help shape RFP rules that ultimately provide
25	for a lower-cost electricity procurement, then the

1	Page 11 benchmark projects would be inappropriate.
2	Intervention is proper also under Utah
3	Administrative Procedures Act. As the Utah Supreme
4	Court ruled in Miller County versus Utah State Tax
5	Commission, the right to intervene granted by
6	63(g)(4)(207), while not an absolute right to
7	intervene does establish a conditional right to
8	intervene if the requisite legal interest is
9	present. That right is subject only to the
10	condition that the interests of justice and orderly
11	conduct of the administrative proceedings will not
12	be impaired. The statute says the presiding officer
13	shall grant intervention if the requisite showing is
14	made.
15	With regard to that showing first
16	determination the presiding officer is to make under
17	the statute is that the petitioner's legal interest
18	may be substantially affected by the formal
19	adjudicative proceedings. sPower's interest in this
20	case is to ensure that it will not be precluded from
21	bidding competitive bids on the RFP.
22	While sPower has wind resources, it also
23	has solar resources that it would consider using in
24	a bid. As currently drafted, the RFP would disallow
1	

25 sPower from bidding using those solar resources.

1	Page 12 sPower's intervention is not as PacifiCorp alleges
2	an attempt to advocate for an individual bid
3	position. The effect of allowing sPower to bid will
4	shape the RFP so that all solar producers can bid
5	under the Energy Resource Procurement Act,
6	potentially resulting in a lower cost procurement
7	for the state.
8	As the Utah Supreme Court held in
9	Supernova Media versus Shannon's Rainbow, in 2013
10	when considering intervention under Rule 24(a) which
11	is analogous, the interveners do not need to prove
12	their interest for intervention to be granted.
13	Rather, they must make a showing of their interest.
14	PacifiCorp seems to allege that, because
15	sPower has commercial interest, it does not also
16	have the legal interest. This is not in keeping
17	with Utah law or this commission's precedent.
18	In Supernova Media, the court held that
19	the interest may be of a pecuniary nature. In
20	Miller County, the court held that the county has an
21	interest to support intervention under UAPA based on
22	its interest in the proceeds of the tax that was
23	before the state tax commission.
24	In this commission, this commission has
25	held that bidders do have a right to intervene. In

1	Page 13 Docket No. 12-035-102, the application for approval
2	of resource decision to acquire natural gas,
3	PacifiCorp requests approval to enter into a
4	contract for natural gas resources as a result of an
5	RFP. The contract approval at issue in that docket
6	resulting from the RFP was the subject of the Energy
7	Resource Procurement Act. There was also an IE in
8	that docket as there is today.
9	Questar petitioned to intervene thus:
10	Questar said:
11	"Questar Gas seeks to intervene for
12	purposes of protecting its interests with regard to
13	the subject matter of Docket No. 12-35-102 and with
14	regard to regulatory issues raised in that docket
15	that may affect Questar Gas."
16	In that case, PacifiCorp did not object.
17	The commission approved intervention. In that case,
18	Questar's interests were as a natural gas
19	distribution utility; so its interests were
20	commercial.
21	Another example was in Docket No.
22	10-35-126, the application of Rocky Mountain Power
23	for approval of a significant energy resource
24	decision resulting from all-source RFP. In this
25	instance, PacifiCorp requested approval of

Page 14 construction of a combined-cycle gas plant by CH2 1 2 out of the winning bidder of the 2012 RFP. That 3 proceeding also had an IE. 4 Summit Power Group, a natural gas developer that had built one project in response to 5 an earlier RFP petitioned for intervention. 6 In its petition, it stated "Summit has a direct, immediate, 7 and substantial interest in this proceeding as a 8 9 bidder in the RFP with the Lake Side 2 power project, because as a bidder on the Lake Side 2 10 power project, its legal rights and interests will 11 12 be affected by the commission's evaluation and determination of the Lake Side 2 RFP process. 13 14 PacifiCorp did not oppose intervention and 15 Summit was granted intervention. Similar to the bidders in those dockets, sPower has a legitimate 16 interest in not being included from bidding. 17 The second determination that the 18 presiding officer has to make under 63(g)(4)207 is 19 20 that the interests of justice and the orderly and 21 prompt conduct of the adjudicative proceedings will 22 not be materially impaired by allowing the

23 intervention. To determine whether intervention24 serves the interest of justice and that the

25

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proceeding will be orderly and prompt, the Utah

1	Page 15 Supreme Court has considered a number of factors
2	the timeliness of the intervention, whether the
3	intervener's interests are adequately represented by
4	other parties, and the extent to which the
5	intervention will increase the time and expense of
6	the proceeding. That was both in in re Questar
7	Gas in 2007 and in Miller County in 1991.
8	With regard to timeliness of the
9	intervention, the scheduling order required
10	intervention to be done by September 13th, and the
11	intervention was filed by September 13th along with
12	rebuttal testimony.
13	With regard to whether sPower's interests
14	are adequately represented by one of the parties,
15	this one is more complex. While some of the
16	remedies that sPower seeks are also sought by other
17	parties in the proceeding, that is not equivalent to
18	those parties representing sPower's interests.
19	sPower's interests are not adequately represented by
20	the parties.
21	In Miller County, when they were
22	evaluating whether customers who attempted to
23	intervene a month after settlement was reached, the
24	Utah Supreme Court considered the fact that the
25	Division of Consumer Services are statutorily

1	Page 16 charged with including customers' interests in their
2	deliberation and advocacy when considering the
3	advocacy of representation. In that case, they felt
4	that there was adequate representation.
5	In this case, the IE does have a statutory
6	obligation to monitor the solicitation process for
7	fairness and compliance with the commission rules.
8	However, that's not sufficient to adequately
9	represent sPower's interests, whose interest it is
10	to bid on the RFP.
11	Similar to the facts in Rocky Mountain
12	Power versus Wasatch County which was before this
13	commission in 2016 and where Wasatch County had no
14	statutory obligation to protect the property
15	interests of the interveners and had no obligation
16	to favor interveners over other parties, this is the
17	same here. The IE has no statutory obligation and,
18	in fact, would be forbidden from favoring sPower
19	interests over any of the other parties.
20	Another test that the Utah Supreme Court
21	has used when considering if a would-be intervener
22	is adequately represented is whether the
23	intervener's interests diverge from those of the
24	other parties. sPower's interest in not being shut
25	out of this process do diverge from the interests of
1	

1	Page 17 other parties. Parties to the action are, at best,
2	neutral with regard to sPower's interests and
3	certainly are not trying to promote sPower's ability
4	to bid. Some parties may even be actively seeking
5	to keep the bidding pool smaller to protect their
6	own interests.
7	Additionally, sPower is unique among all
8	the parties in this docket. None of the other
9	parties are actual developers. None of them have
10	the direct knowledge, understanding, or experience
11	in developing utility scales of projects; and they
12	cannot provide the on-the-ground knowledge of the
13	timelines and the costs associated with such
14	development.
15	Further, sPower knows the lengthy delays
16	associated with having PacifiCorp complete the SIS
17	studies one of sPower's concerns with regard to
18	the RFP as written.
19	Finally, the parties are not seeking all
20	the same changes to the RRP that sPower is seeking.
21	With regard to PPA tenor and financing, sPower has
22	requested that PacifiCorp be required to accept PPA
23	bids on a 30-year time frame, and while the IE has
24	suggested that as an option for PacifiCorp to
25	consider. When PacifiCorp declined to consider it
1	

Page 18 in its second version of the RFP, the IE did not 1 2 push PacifiCorp to allow it. The IE did not take 3 the position that PacifiCorp should be required to 4 accept a 30-year PPA bid. Additionally, sPower is alone in 5 advocating for the recommendation that bidders be 6 7 allowed to bid a PPA price for PacifiCorp's development assets. None of the other parties have 8 made this recommendation. All of these reasons show 9 10 that sPower's interests are not adequately 11 represented by the other parties. 12 The final consideration that the presiding 13 officer has to make is determining the extent to which intervention will increase the time and 14 15 expenses of the proceedings. As a result of sPower's timely intervention, granting the petition 16 17 will not cause the parties to unnecessarily duplicate the costs of discovery or require the 18 19 commission to essentially restart the process. 20 Further, there's no reason that sPower's intervention would need to complicate the process. 21 2.2 As the Utah Supreme court held in Miller County, the 23 commission could devise procedures to eliminate any burdens. 24 25 And, finally, this is a little separate.

1 To the extent that PacifiCorp has raised the issue 2 of sPower serving discovery in order to obtain 3 commercially sensitive, confidential information --4 sPower has no interest and will accept the condition 5 that it will not do discovery seeking to compare one 6 bid to another.

In closing, sPower meets the criteria of 7 the UAPA and should be allowed to intervene in this 8 matter. It does have cognizable, legal interest in 9 this matter, and neither the interests of justice 10 11 nor the orderly and prompt conduct of these 12 proceedings will be materially impaired by allowing 13 sPower to intervene. In fact, by pursuing changes to the proposed solicitation process that make it 14 possible for third parties to bid against benchmark 15 16 resources, sPower's participation will materially promote the interests of justice. 17

18 Thank you for your consideration of 19 sPower's position.

20 MR. LEVAR: Okay. Thank you.

Before we move on, I'll just mention we're all hearing you fine, but I'm not sure your microphone is picking you up, and that matters for our stream; so the green light needs to be on for that.

1	Page 20 MS. BARBANELL: It is on.
2	MR. LEVAR: Commissioner Clark, do you
3	want to ask her any questions at this point?
4	MR. CLARK: My preference would be to hear
5	arguments from both sides before I ask any
6	questions. Is that agreeable to the chair?
7	MR. LEVAR: Whichever you like to.
8	Commissioner White, do you want to ask any
9	questions now?
10	MR. WHITE: Like Commissioner Clark, I'd
11	prefer to just wait for any questions until after we
12	hear from other parties.
13	MR. LEVAR: Ms. Hogle.
14	MS. HOGLE: Good morning. Thank you,
15	again.
16	The commission should reject sPower's
17	position to intervene and the rebuttal testimony of
18	Mr. Hans Isern, because sPower has failed to show
19	that the interests of justice and the orderly and
20	prompt conduct of these proceedings will not be
21	materially impaired by allowing its intervention.
22	In addition to the reasons set forth in
23	Rocky Mountain Power's September 14th opposition to
24	sPower's petition, the argument today on the hearing
25	date is an example of how intervention at this

1	Page 21 stage, while technically allowed under the
2	scheduling order dated August 22nd, is late in the
3	process. sPower failed to intervene just a few days
4	before the hearing. The company filed its
5	application in this case in August 2017. Excuse me
6	June 2017 three months' prior.
7	In its petition, sPower fails to raise
8	issues that haven't already been raised by other
9	parties or participants. Under the applicable rules
10	and regulations that the IE serves to ensure bidders
11	are treated fairly and transparent and in a
12	non-discriminatory way. The rules contemplate that
13	bidders use the IE to communicate with the
14	commission about any comments or concerns or
15	questions that they may have regarding the draft
16	solicitation. For example, R-746421(3)(c) which is
17	the pre-bid issuance procedures states:
18	"At the pre-issuance bidders conference,
19	the soliciting utility should describe to the
20	attendees in attendance the process, timeline for
21	commission review of the draft solicitation, and
22	opportunities for providing input, including sending
23	comments and/or questions to the IE and no later
24	than the date of filing of the proposed
25	solicitation.
1	

Page 22 The soliciting utility shall issue a 1 2 notice to potential bidders regarding the timeline 3 for providing comments and other input regarding the draft solicitation." 4 Likewise, in R-746426 which lists the 5 functions of the IE, states in part: 6 "One of the functions of the IE is to 7 8 analyze and attempt to mediate disputes that arise in the solicitation process, the soliciting utility 9 and/or bidders, and present recommendations for 10 11 resolution of unresolved disputes to the 12 commission." 13 Under this rule, the IE clearly represents the interests of the potential bidders. 14 The potential bidders do not go directly to the 15 commission as would be the case if sPower were 16 17 allowed to be -- to intervene in this case. Likewise, in 7464263, which includes the 18 19 rights or communications between the soliciting 20 utility and potential or actual bidder, it states 21 that: 2.2 "Any such communications shall be 23 conducted only through or in the presence of the IE. Any bidder questions in soliciting utility or IE 24 25 responses shall be posted on an appropriate website.

	Page 23
1	The IE shall protect or redact competitively
2	sensitive information from such questions or
3	responses to the extent necessary. The soliciting
4	utility may not communicate with any bidder
5	regarding the solicitation process, the content of
6	the solicitation or solicitation documents or the
7	substance of any potential response by a bidder to
8	the solicitation except through or in the presence
9	of the IE.
10	The soliciting utility shall provide
11	timely and accurate responses to any requests from
12	the IE, including requests from bidders submitted by
13	the IE for information regarding any aspect of the
14	solicitation or the solicitation process."
15	Irrespective of what Ms. Barbanell has
16	said, I think many in the room would agree that
17	unfettered allowing allowing bidders and
18	potential bidders in the finding of the solicitation
19	process is not a good idea. Why allow this bidder
20	and not others? Where would you draw the line? If
21	there's no line drawn, then it would turn the
22	process on its head, and the bidders would have
23	undue influence over this solicitation process and
24	the planning of the solicitation that they would bid
25	into.

Page 24 1 While there's no clear express prohibition 2 against bidder's intervention in the regulatory 3 planning process under the rules that I just cited, 4 the language referenced above creates a presumption that bidders who want to participant in the process 5 must go through the IE, not through the commission 6 like a typical intervener would in a regulatory 7 To be allowed to intervene as a bidder is 8 process. 9 Rocky Mountain Power's position that sPower has a 10 high burden to meet, and I submit to you that it 11 hasn't met it. It has not alleged in its petition, 12 much less demonstrated that the current rules and 13 regulations that are in place and that guide this process, including the IE's goals and objectives to, 14 15 in part, represent bidders in the process are deficient, and therefore won't protect its interests 16 17 as a potential bidder. In addition, once the commission allows 18

19 intervention of a contingent bidder like sPower who 20 hasn't alleged any interest other than of being a 21 potential bidder or advocating for its best 22 position, it will open the floodgates for any other 23 bidder to intervene in future RFP processes. 24 The commission retained the IE to ensure a 25 fair and transparent process for all involved as

Page 25 stated in RFP's position in accordance with the laws and rules that were carefully drafted, in part, to protect bidders.

4 This approval process was not designed to be the forum where bidders can adjudicate disputes 5 with the utility or with the IE. Bidders must go 6 7 through the IE. The integrity of this solicitation 8 process -- approval process -- and the interest of 9 justice and orderly and prompt conduct of these proceedings must be preserved. The IE has vast 10 11 experience, and the parties who have no commercial 12 interest and who don't stand to gain financially are 13 representing their constituents well, including 14 potential bidders.

And there may have been, in the past, bidders who were unopposed when they intervened, but that should not be the case here. Again, the standard should be "Why this bidder and not others?" If you don't draw the line now, it will open the floodgates.

For these reasons, we ask that you reject sPower's petition to intervene and of the rebuttal testimony of Hans Isern. Thank you.

24 MR. LEVAR: Thank you, Ms. Hogle.
25 Next, I'll ask if any of the other parties

1	Page 26 in the room have any interest in speaking to this
2	intervention issue. If you do, please indicate to
3	me, and I'll just look around the room.
4	Mr. Dodge, let me just make sure.
5	Does anyone else want to weigh in on this?
6	I'm not seeing anyone else; so Mr. Dodge.
7	MR. DODGE: Thank you, Mr. Chairman.
8	I sit here as an attorney representing
9	Utah consumers, and I find it very troubling that
10	the company in its zeal and its absolute obsession
11	to build the projects it wants to build in southern
12	Wyoming is taking the position so inconsistent with
13	the interests of customers in the state. They've
14	lost track of what the Utah Resource Procurement Act
15	is about, and they've lost track of what this
16	commission's job is. I don't think this commission
17	has lost track, but they have.
18	We're in the first step of a multi-step
19	process in these related documents. The first step
20	by statute requires this commission to determine
21	that the RFP is a fair and just and reasonable RFP
22	that will solicit a broad array of bidders and will
23	treat everybody fairly.
24	In that context, commissioners, I
25	respectfully submit you should welcome every bidder

1	Page 27
1	that is interested to come give their comments,
2	should they so choose. I'm disappointed more
3	haven't. You do have one bidder representative here
4	that has intervened without objection, because they
5	basically support the company's position, and that's
6	the Intermountain Wind Group. I welcome I
7	welcome their comments. You should welcome to
8	hear what concerns they have about the RFP as
9	proposed. It hasn't started yet. It's "as
10	proposed." You're getting it right up front.
11	That's what the statute requires. Every bidder that
12	has an interest in bidding into this should have a
13	forum with this commission before the process starts
14	to say, "This doesn't work. That doesn't work."
15	You have the ability to determine whether they lied
16	or not, whether you even care about it or not. You
17	should welcome the input. The rest of us are
18	guessing. Even with all this experience, Mr. Oliver
19	is guessing about what bidders will and won't find
20	troublesome in this RFP. Only the bidders are going
21	to be able to tell you that, and, thankfully, some
22	protections have been built in as the process goes,
23	that those concerns have been expressed. Nothing in
24	that should preclude bidders from coming before the
25	process starts and saying, "Unless you change this,

Page 28 1 it's going to (inaudible). Unless you do that, we 2 won't be able to make a reasonable bid." You should 3 welcome that.

4 Ms. Hogle says, "Where's the line?" There should be no line. Every entity with an interest in 5 bidding into this RFP has a legitimate interest in 6 getting it right -- helping this commission get it 7 8 right. The Utah Resource Procedures Act creates a 9 legal interest in anyone who wants to help get it 10 right, because that's the ultimate goal. There are 11 plenty of tools available to prevent abuse, and once 12 the process starts, then the rules Ms. Hogle is 13 talking about would kick in and require 14 communications initially through the IE.

15 The process hasn't started. You're trying to determine if it even is sufficient to get kicked 16 off the ground, and in that context, I submit that 17 every potential bidder has a legitimate and legally 18 protected interest, and from that perspective, it 19 20 needs to be here to help you get this RFP right. 21 Thank you. 2.2 MR. LEVAR: Thank you, Mr. Dodge. 23 MS. SCHMID: May I please add something? 24 MR. LEVAR: Absolutely. 25 Ms. Schmid for the Division of Public

Page 29 Utilities. 1 2 MS. SCHMID: Thank you. 3 The division invites an open and robust 4 process, which requires participation by parties representing various interests and concerns. 5 The Utah statutes and the commission's rules provide 6 protections to allow parties that really don't have 7 an interest to be precluded, while allowing parties 8 9 that truly do have an interest to participant. By applying the facts to the standards for intervention 10 11 here, it seems that sPower has met them and should 12 be granted intervention. Any confidentiality 13 concerns, as Mr. Dodge suggested, can be ameliorated through application of the commission's provisions 14 concerning confidentiality and the process for 15 obtaining redress if there are issues concerning the 16 applicability and appropriateness of confidentiality 17 provision provided in the commission's rules. 18 19 Thank you. 20 Thank you, Ms. Schmid. MR. LEVAR: 21 I have one question for Ms. Barbanell. 2.2 Am I pronouncing that correctly? 23 MS. BARBANELL: Yes. 24 MR. LEVAR: Yes? Okay. 25 I'll give you a hypothetical, and I'd like

1	Page 30 you to make the address the similarities and
2	differences from the current situation to the
3	hypothetical.
4	Propose that a utility is requesting to
5	have approval from the commission to spend money on
6	putting emissions-control systems on existing power
7	plants.
8	Should contractors that might bid on that
9	project, if it's approved by the commission, have a
10	similar right to intervene in that docket?
11	MS. BARBANELL: I need a little more
12	information.
13	So if they are applying for permission to
14	put controls on, what sorts of decisions is the
15	commission making in that instance?
16	MR. LEVAR: Well, that would be a
17	commission decision whether to allow the resource
18	decision to go forward whether to allow the
19	expense to happen.
20	So they're asking to spend X number of
21	dollars to put SCR emissions controls on existing
22	plants. Contractors who might want to bid on that
23	project might have an interest in intervening in
24	that proceeding. Do you see any similarities or
25	differences from this from this from a
1	

1	Page 31 precedential standpoint? Do you see any differences
2	or similarities?
3	MS. BARBANELL: Well, I think that there
4	are some similarities, obviously, in the
5	hypothetical. I also think that the decision that's
6	being made in that case about whether to allow the
7	expense to go through to ratepayers is a different
8	question.
9	In this case, what we're talking about is
10	we're talking about how is an RFP going to be
11	structured. What kinds of resources are you going
12	is PacifiCorp going to have to consider. That is
13	a much bigger, broader question than the sort of
14	question about "Do we pass costs through to our
15	ratepayers?"
16	So while I think that there are
17	similarities insofar as we would be seeking to bid
18	on the RFP and a contractor would be seeking to bid
19	on that contract, I think that the nature of the
20	decision that you're making is significantly
21	different, such that there is an easy wedge that
22	could push between those two things in terms of
23	precedents.
24	MR. LEVAR: Let me ask one additional
25	

Page 32 1 You referenced the Miller County case and 2 then another appellate case from this commission on 3 intervention.

4 Would you address the status of a legal interest that currently exists, for example, a 5 6 taxpayer or a ratepayer who, as a result of the outcome of a decision, is going to have to pay a tax 7 8 rate or a utility rate compared to a legal interest 9 that might be described as "not yet existing but that might arise in the future, depending on the 10 11 outcome of the proceeding."

MS. BARBANELL: By the latter, are youreferring to sPower's potential interest here?

MR. LEVAR: Yeah. I guess what I'm asking is is there -- is -- do you consider it fair in any way to describe sPower's interest as one that does not yet exist but might arise if an RFP is approved by this commission?

MS. BARBANELL: That's a very interestingquestion.

I think that, when we think about a ratepayer, I think that they clearly do have a legal interest, but as the Court held in re Questar, that legal interest is actually statutorily looked at by the Department of Consumer Services. I think that

1	Page 33 sPower does have a legal interest. When you
2	foreclose an opportunity if that's what you were
3	to do here then their legal interest is taken
4	away. I do think that they do have an interest in
5	being able to participate in the bidding; so yes.
6	MR. LEVAR: Okay. Thank you.
7	Commissioner White, do you have any
8	questions for anyone who has spoken?
9	MR. WHITE: Yeah. I have a couple.
10	For Ms. Barbanell one question. You
11	know, later in 2018, we're going to have a separate
12	docket currently open that will actually determine
13	the potential approval of whatever closes out of
14	this RFP process. Is there a distinction to be made
15	between intervention for a bidder in the RFP design
16	or approval docket versus the actual approval of the
17	solicitation by the company, whatever they
18	ultimately begin?
19	MS. BARBANELL: In this case, the RFP
20	design I mean, basically, as currently written,
21	the RFP design is so exclusionary that it would
22	affect obviously whether a certain entity would have
23	a legal interest later in the solicitation process.
24	It's sort of like what Mr. Dodge said earlier and
25	what Ms. Hogle is referring to, which is that much
I	

1	Page 34 of what will happen and where bidders are intended
2	to interact with the IE they are once the RFP is
3	done; but if the RFP were to exclude all Utah solar,
4	for instance, and then sPower couldn't bid, then
5	they wouldn't have an interest any more
6	protective in that solicitation process, I would
7	imagine.
8	MR. WHITE: Would a bidder have a right,
9	then, in the actual solicitation approval docket?
10	MS. BARBANELL: When you say "a bidder,"
11	do you mean a bidder who is participating in
12	solicitation?
13	MR. WHITE: Either, I guess.
14	MS. BARBANELL: I think that I think
15	that if you if you're not in the solicitation,
16	then you know, you're not really part of the
17	conversation any more at that point.
18	MR. WHITE: Okay.
19	Let me ask Ms. Hogle a question.
20	What are if the IE process is designed
21	to, I guess, you know, basically hear and, you know,
22	address concerns by bidders, is there a and I
23	apologize. I'm not necessarily familiar with the
24	actual IE process in terms of is there an appeal
25	right or how are if potential concerns are not
1	

Page 35 1 addressed by IE for a bidder with respect to design 2 of RFP, is there some remedy or some next level of 3 request that a bidder can take that to? 4 MS. HOGLE: I'm glad you asked that question, because I don't believe that it's true 5 that, if a bidder is not allowed in this proceeding, 6 then they will have no recourse. I believe that 7 there are rules and regulations in place before this 8 commission, including an opportunity to file a 9 10 request for agency action or things like that where, 11 if the bidder truly felt that there was something 12 wrong with the process -- and I'll use an extreme 13 example that the IE was colluding with a company in order to exclude sPower -- which is not the case, of 14 course -- but then I think sPower would definitely 15 16 have an actionable right by filing a request for agency action before this commission, and they would 17 have to show that, you know, that there's evidence 18 19 of any such malfeasance occurring. 20 So I don't believe that it's true that 21 they would not have a right if they were not allowed 22 in this process. I think the commission has 23 statutes that would allow somebody like a bidder to

file something if they're truly found that the process was unfair, not transparent, and against

1	them in some way.
2	MR. WHITE: Just one final question.
3	Ms. Barbanell has indicated their
4	willingness her client's willingness to condition
5	intervention to address proprietary concerns, et
б	cetera.
7	Is the company's primary concern just the
8	precedent of, I guess, an efficient process for, you
9	know, handling a docket such as or is it more of
10	the issues that are proprietary are somehow getting
11	advantage in the bidding process. I ask that, I
12	guess, because is there any I think that was a
13	multi-part question, I guess.
14	But I guess the question is there any
15	other conditions that would ultimately prevail that
16	could address the concerns of the company
17	sufficiently to allow intervention such as sPower
18	beyond just proprietary issues?
19	MS. HOGLE: Well, no. I think there are
20	concerns beyond that, and it has to do with the
21	interest of justice and morally and prompt conduct
22	of proceedings. Again, they intervened at a very
23	late stage. It's unknown why they waited for so
24	long. Yes, the scheduling order allows for
25	intervention a few days before the hearing, but at

1	Page 37 this late stage, I don't think it ends here. I
2	think that, if they are allowed to intervene, they
3	are given status as interveners. They have a right
4	to appeal. They have a right to review reports,
5	potentially.
6	And, again, if you look at allowing that
7	for bidders, then where do you draw the line? Why
8	not allow all bidders? I don't agree with Mr. Dodge
9	that you should allow all bidders to come in and
10	help form a bidder whether they will be bid into,
11	because that may not be in the public interest.
12	Bidders may have interests that are against the
13	public interest, as a matter of fact, and not
14	necessarily in your customers' interests.
15	So, you know, it says if UDOT, for
16	example, were to issue were in the planning
17	stages of issuing an RFP, and the cement company
18	wanted to come in and say, "You know, what? I don't
19	think you need structural foam. I think you need
20	more cement." It's like having somebody an
21	outsider coming in and telling you what you need,
22	or, you know, you're building a mother-in-law
23	apartment in your home, and then you are in the
24	planning stages of doing that, and the pool guy
25	comes in and says, "You don't need that. You need a
1	

	Page 38
1	pool. Let me help you plan that RFP."
2	And so, again, it is the company
3	solicitation process or excuse me solicitation
4	company should have some discretion. There are
5	already parties that are representing the interests
6	of customers and especially interests of bidders.
7	That is the role of the IE. I think if you look
8	carefully at the rules that you promulgated, it was
9	they were promulgated, in my opinion, to protect
10	bidders.
11	Again, I don't think this is a process
12	where bidders should be able to dispute anything
13	any problems that it has with the IE, which is
14	something that sPower has already done today, as a
15	matter of fact.
16	And so I again I request that you
17	reject their petition to intervene because it
18	doesn't meet the second prong of that test, and that
19	is that the interest of justice and the orderly and
20	prompt conduct in these proceedings will be
21	immaterially impaired by allowing their
22	intervention.
23	MR. WHITE: That's all the questions I
24	have now. Thank you.
25	MR. LEVAR: Commissioner Clark?

1	Page 39 MR. CLARK: Thank you, Chair LeVar.
2	Ms. Barbanell, I have a couple of
3	questions for you. I'm trying to keep this close
4	enough this microphone, that is.
5	Concern has been expressed about bidders
6	and potential bidders potentially using this process
7	to obtain competitive advantage over other bidders
8	should an RFP ultimately be issued, and you touched
9	on that briefly and expressed a willingness to
10	accept certain limitations; but I wonder if you
11	could elaborate on the contours of those
12	limitations. In other words, what kinds of
13	restrictions ought to be ought to be imposed or
14	accepted by a bidder participating in this process
15	relative to seeking competitive or proprietary
16	information?
17	MS. BARBANELL: Well, first I would just
18	note that, you know, as the attorney, I have an
19	obligation not to share confidential information
20	proprietary information; but beyond that, I think
21	that it's important that, whatever the contours are
22	of the condition, that anything that would be really
23	competitive would be excluded, and that would be
24	okay. I think that we we're okay with not having
25	access to information that gives us a quote/unquote

1	Page 40 competitive advantage" over other bidders. In
2	terms of the details of that, I'm going to have a
3	hard time laying them out today.
4	If I could, though, speak to one thing
5	with regard to Ms. Hogle's argument regarding
6	"opening floodgates" and that sort of thing. I just
7	I guess I'd like to say that that is that's
8	been considered by the Utah Supreme Court. The Utah
9	Supreme Court has said that that's not a basis to
10	exclude interveners. In fact, they said in some
11	cases let's say, in that Miller County case
12	let's say that there were many counties that wanted
13	to give involved. They said that we could allow
14	them, and then we could say that one county is to
15	represent XYZ counties.
16	You know, so I think that that argument
17	about opening the floodgates and the Court's
18	considered that in both the in re Questar case
19	and in the Miller county case and has said that
20	that's not that a legitimate reason. I mean, if we
21	go to the language of the Utah Administrative
22	Procedures Act of the rule, it addresses the ability
23	to intervene, and it states when that may happen.
24	The design of the second s

It does not say that there's this idea about opening the floodgates that we'd have to worry about, and I

Page 41 think that, in this case, the idea that this 1 2 precedent sets up an opening of the floodgates -it's not -- it's not legitimate. 3 4 I think that also, as the Court held in Miller County, you have the authority to set limits, 5 not just conditions on intervention, but to set 6 7 limits and set up rules so that it does not interfere with the process. The idea that the fact 8 9 that we filed on the date the scheduling order said we had to file, which is two months after they 10 11 filed, again, I'm a little confused as to how that 12 makes it untimely. I think that we have made the 13 case that we meet the criteria the courts look at when they decide about intervention. We -- we --14 you know, it was timely. We're not adequately 15 16 represented, and in this case, it's, you know, we -we're not going to interfere with the process. 17 So I think that I'm a little troubled by 18 19 this sort of alarmist argument about opening the 20 floodqates. 21 I guess I also just want to point out 2.2 that, you know, right now you have the authority to make decisions, and once the RFP is issued, the 23 24 language of the RFP provides -- so many things are 25 at PacifiCorp's sole discretion; so that idea that

Page 42 the IE is then going to protect bidders -- you know, 1 2 there's a difference between asserting malfeasance 3 down the road and saying, "We would like to 4 intervene as per the Utah Administrative Procedures 5 Act." 6 So thank you. Sorry about that. 7 MR. CLARK: My next question, I think, relates to the last couple of sentences of your 8 9 statement. 10 I've listened carefully to what you had to 11 say today. I've read your papers. You have 12 acknowledged that the independent evaluator has a 13 statutory duty to oversee a process that is fair and adequate for bidders -- not only for bidders, but 14 including for bidders. 15 16 MS. BARBANELL: Mm-hmm. 17 MR. CLARK: So can you distinguish for me the interest that is distinct that you're advocating 18 for sPower today that is also distinct from being 19 20 just a disagreement with the independent evaluator's 21 decisions on issues of interest to sPower. 2.2 So, in other words, an interest that's 23 unique but that is not being considered by the 24 independent evaluator. 25 MS. BARBANELL: Well, sPower's interest is

Page 43 1 being able to participate in the bidding, and that 2 is not what the IE obviously is looking at. Right? 3 The IE's obligations are to ensure fair and 4 transparent process. You know, the only entity that could look after our interests is us. I think that 5 the way that the IE is set up is really set up --6 it's very process-oriented. I think that we do --7 we do disagree, in fact, with some of the IE's 8 conclusions about the extent of this RFP and whether 9 it should allow solar and whether it should be 10 11 Wyoming only. We do disagree, but I don't believe 12 that that's the issue. I think when you talk about 13 our interests, our interests are one thing, and 14 they're separate and different than what the IE is really assigned to look at under the statute. 15 The 16 IE is looking at transparency in the process. 17 In terms of looking after our interests in terms of being able to participate, it's different. 18 19 It's separate. 20 I don't know if that answers your 21 question. 2.2 MR. CLARK: Well, yeah. I think I 23 understand your position better now. 24 Thank you very much. 25 Is that all you have? MR. LEVAR:

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1	Page 44 MR. CLARK: That's all I have.
2	MR. LEVAR: Okay.
3	Recognizing that there are a lot of people
4	in the room today who are on the clock, I think we
5	do need to take a brief deliberation for a few
6	minutes. Why don't we plan to be back here at 10:00
7	o'clock, and we will hopefully have a decision on
8	the intervention.
9	We are in recess. Thank you.
10	(Recess.)
11	MR. LEVAR: We are back on the record.
12	We grant intervention to sPower. We will
13	issue a written order memorializing the reasoning
14	for that decision subsequent to this hearing. We
15	anticipate that the limitations discussed with
16	respect to confidential information will apply to
17	that intervention, and in particular, we anticipate
18	that sPower will not have access, if this RFP moves
19	forward, to the independent evaluator reports that
20	will be issued as the bid moves forward; and we also
21	anticipate that any other confidential information
22	would be dealt with similarly and applies to that
23	intervention limitation.
24	With that, we have one additional
25	preliminary matter before we move to the hearing on

1	Page 45
2	We have two parties who have indicated
3	their intention to have witnesses participate
4	telephonically. Those parties have not indicated
5	whether there was agreement from the other parties
6	to that treatment; so I will ask all the parties in
7	the room if there's any objection to having Mr. Phil
8	Hayet, who is a witness for the Office of Consumer
9	Services; and Mr. Hans Isern, who is a witness for
10	sPower participate telephonically without being in
11	the room today.
12	I'll ask if anyone has an objection to
13	that to just indicate to me that you'd like to do
14	SO.
15	And I'm not seeing any objections; so that
16	will move forward that way, and I think we'll then
17	start with Ms. Hogle and Mr. Link.
18	Thank you.
19	MS. HOGLE: Commissioner, I wonder if it
20	would be okay for us to do the next part of our
21	hearing in a panel format so that our witnesses
22	don't have to go up there.
23	And so I would move for that to happen.
24	MR. LEVAR: Just so I understand your
25	motion, you're asking to allow the witnesses to
1	

2 cross-examination be saved until after everyone has 3 spoken, or would we still have are you 4 anticipating we'd still have cross-examination after 5 each witness? 6 MS. HOGLE: You know, at this point I was 7 just asking if we would just remain in our seats, 8 particularly Mr. Link and the other witnesses. I 9 wasn't even thinking about the cross-examination,
4 anticipating we'd still have cross-examination after 5 each witness? 6 MS. HOGLE: You know, at this point I was 7 just asking if we would just remain in our seats, 8 particularly Mr. Link and the other witnesses. I
5 each witness? 6 MS. HOGLE: You know, at this point I was 7 just asking if we would just remain in our seats, 8 particularly Mr. Link and the other witnesses. I
6 MS. HOGLE: You know, at this point I was 7 just asking if we would just remain in our seats, 8 particularly Mr. Link and the other witnesses. I
7 just asking if we would just remain in our seats, 8 particularly Mr. Link and the other witnesses. I
8 particularly Mr. Link and the other witnesses. I
9 wasn't even thinking about the cross-examination,
10 you know, of like, people would, you know, have to
11 do that.
12 MR. LEVAR: Okay.
13 MS. HOGLE: I don't think it makes a
14 difference to Rocky Mountain Power.
15 MR. LEVAR: Okay. So your motion is just
16 to allow witnesses to remain at the table wherever
17 you're sitting right now.
18 MS. HOGLE: Right.
19 MR. LEVAR: If anyone objects to that,
20 please indicate to me.
21 I'm not seeing any objections; so we'll
22 move forward that way. Thank you.
23 MS. HOGLE: Okay.
24 The company calls Mr. Rick Link.
25 RICK LINK,

1	Page 47 called as a witness at the instance of Rocky
2	Mountain Power, having been first duly sworn, was
3	examined and testified as follows:
4	EXAMINATION
5	BY MS. HOGLE:
6	Q. Can you please state your name for the
7	record.
8	A. My name is Rick T. Link.
9	Q. And by whom are you employed in that
10	capacity?
11	A. I'm employed by PacifiCorp, and I'm Vice
12	President of Resource and Commercial Strategy.
13	Q. And in that capacity, did you file direct
14	testimony and RMP exhibits RTL1, RTL2, and RTL3, and
15	supplemental direct testimony, RMP exhibit RTL-S1?
16	A. I did.
17	Q. And do you have any changes that you wish
18	to make to either of those testimonies at this time?
19	A. I do not.
20	Q. So if I were to ask you the questions
21	therein again here today, would your answer be the
22	same?
23	A. Yes.
24	MS. HOGLE: If it please the commission,
25	at this time I would ask that Mr. Link's direct

1	Page 48 testimony and Exhibits RTL1 through RTL3 be marked
2	as RMP Exhibit 1, and Mr. Link's supplemental direct
3	testimony and exhibit RTL-S1 one marked as RMP
4	Exhibit 2 be entered into the record and admitted as
5	evidence.
6	MR. LEVAR: If any parties object to that
7	motion, please indicate to me.
8	I'm not seeing any objections; so the
9	motion is granted.
10	MS. HOGLE: Thank you.
11	(Exhibits RMP 1 and RMP 2 entered into the
12	record.)
13	Q. (BY MS. HOGLE) Mr. Link, is it your
14	understanding that, during the scheduling
15	conference, the second one, the parties agreed to
16	have the commission authorize in that scheduling
17	order on issued August 22nd live surrebuttal
18	in this proceeding?
19	A. Yes.
20	Q. And do you have any exhibits that support
21	your live surrebuttal testimony?
22	A. I do.
23	MS. HOGLE: Your Honors, may I approach to
24	provide the exhibits that RMP would like marked as
25	RMP Exhibit 3 and RMP Exhibit 4 to the parties at
1	

Page 49 the bench at this time before I continue with my 1 2 examination of Mr. Link? 3 MR. LEVAR: Yes. 4 Do the parties already have what you'll be 5 giving them? 6 MS. HOGLE: I'm going to pass it out. 7 Thank you. 8 MR. LEVAR: While she's doing that, I will make one other comment. 9 I believe we have one witness who has some 10 11 confidential material in his testimony -- Mr. 12 Peterson -- although if any other exhibits or 13 surrebuttal touches on confidential material, we 14 will rely on the attorneys representing those speaking in the room to let us know if we need to 15 16 consider whether to close the hearing to the public, but right now we are open to the public unless 17 somebody makes a motion otherwise during the 18 19 hearing. 20 (BY MS. HOGLE) Mr. Link, can you briefly Q. 21 describe or testify what each of those exhibits is? 2.2 Α. Yes. RMP Exhibit 3 is just a summary of 23 the informational analysis that is included as Exhibit RMP RTL-S1 to my supplemental direct 24 testimony filed in this proceeding. It is the same 25

Page 50 information from that exhibit only summarized in a 1 2 simple way to address the rebuttal testimony filed by the parties. 3 4 RMP Exhibit 4 is a copy of the Oregon Commission Order approving the 2017R RFP with 5 modifications, which I referenced in my supplemental 6 direct testimony. I did not attach that order to 7 the testimony, because at the time the commission 8 hadn't yet issued the order, which was just issued 9 10 last Friday. 11 MS. HOGLE: Would it please the commission 12 at this time I would ask that RMP Exhibit 3 and RMP 13 Exhibit 4 be entered into the record and admitted as evidence. 14 15 MR. LEVAR: If anyone objects to that 16 motion, please indicate to me. 17 I'm not seeing any objection; so the motion is granted. 18 19 (Exhibits RMP-3 and RMP-4 entered into the 20 record.) 21 MS. HOGLE: And one final matter, Your 2.2 Honor. At this time, I guess I would also mention 23 the pleadings that Rocky Mountain Power has filed in 24 25 this proceeding. I think that they include the

1	Page 51 application and, I believe, reply comments that I
2	assume are part of the record, and I don't need to
3	move for their admission. Is that correct?
4	MR. LEVAR: They are part of the record.
5	They haven't been admitted as sworn evidence, but
6	they are part of the record.
7	MS. HOGLE: Okay. Thank you.
8	Q. (BY MS. HOGLE) Mr. Link, did you prepare
9	a summary of your testimony and live surrebuttal
10	that you would like to share today?
11	A. I have.
12	Q. Okay. Please go ahead.
13	A. Good morning, Chair LeVar, Commissioner
14	White and Commissioner Clark.
15	First, I will provide you with a summary
16	of the company's position in this proceeding, and
17	then I will move on to live surrebuttal testimony.
18	The 2017 R-Request for Proposals is a
19	critical step in the company's plan to capitalize on
20	federal production tax credits or PTCs to
21	deliver new wind new wind resources and new
22	transmission with both near- and long-term cost
23	savings for customers. The 2017R RFP development
24	and review process has been robust, and we
25	appreciate the prompt and thorough review from the

Page 52 1 independent evaluator and other parties in this 2 case.

3 Although the wind projects are a broader 4 component of Energy Vision 2020, which also includes wind re-powering and the new transmission project by 5 the company, our request of the commission in this 6 particular proceeding is narrow, and that is, 7 approval of the 2017R RFP. The commission and 8 9 interested state quarters have additional 10 opportunities to review the wind projects in two 11 dockets bending before the commission. One is the 12 2017 Integrated Resource Plan, and the other is the 13 company's request for pre-approval of a significant resource decision and for voluntary approval of the 14 15 Aeolus to Bridger transmission line. 16 Here today, we are simply trying to determine whether the RFP is in the public' 17 18 interest. 19 There are some key points from my 20 testimony that I want to emphasis as the commission 21 reviews our proposed RFP. 2.2 First, the 2017 Integrated Resource Plan 23 shows that there is a resource need in our planning 24 forecasts, and the proposed wind projects are a

25 component of our least-cost, least-risk plan to meet

1	Page 53 that need, regardless of any state-specific policy.
2	Second, PTCs are being phased out, and the
3	wind projects need to be built by the end of 2020 to
4	ensure that they will fully qualify for the PTC
5	benefits. These PTC benefits will generate
6	significant cost savings for our customers.
7	Finally, approval of the RFP does not
8	guarantee resource acquisition. In fact, we will
9	only move forward if analysis in the bid evaluation
10	and selection process through the RFP demonstrates
11	that there are net benefits for customers.
12	We acknowledge that the procedural
13	schedule in this case requires parallel
14	consideration of part of the 2017R RFP and the 2017
15	IRP, but this parallel process is necessary to
16	preserve this time-limited opportunity to acquire
17	cost-effective wind resources for customers'
18	benefit. The 2017R RFP procedural schedule is
19	designed to align with the Wyoming process for
20	obtaining a Certificate of Public Convenience and
21	Necessity and to allow winning bidders to achieve
22	commercial operation to take full advantage of 100
23	percent of the federal wind PTCs.
24	In my direct testimony, I presented the
25	company's proposed RFP and demonstrated that it

	Page 54			
1	complies with the Utah statues and rules, which is			
2	consistent with the independent evaluator' report			
3	and testimony in this case. I demonstrated that the			
4	company provided the required notices and held a			
5	pre-issuance bidders' conference, where we described			
6	the timeline for regulatory review of the RFP.			
7	We've discussed the benchmark options and the			
8	company's request to waive the binding requirement,			
9	which no party has objected to in this case.			
10	In my supplemental direct testimony, I			
11	described the economic analysis that was included as			
12	part of our August 2nd, 2017 informational update			
13	filed in the 2017 IRP proceeding, which had not yet			
14	been prepared when the company filed its application			
15	in this proceeding. I summarized the type and the			
16	amount of new generating resources that were			
17	identified in 31 different resource portfolios that			
18	were developed as part of the 2017 IRP, highlighting			
19	that none of these resource portfolios included			
20	non-wind resources prior to 2022.			
21	I also discussed the results of the 2016R			
22	RFP issued by the company last year, which included			
23	a robust market response of over 6,000 megawatts of			
24	new renew able resources and noted that none of			
25	these bids delivered the net cost savings that we're			

1 expecting to see from the proposed projects in the	nis	
RFP solicitation.		
3 Finally, I summarized the changes made	to	
4 the draft RFP in response to comments from the		
5 independent evaluator and other parties that will	-	
6 enhance and encourage market participation.		
7 I will now transition to live surrebutt	al,	
8 where I will discuss the company's position on the	ie	
9 scope of the RFP and address additional		
10 recommendations made by the IE in his rebuttal		
11 testimony. I will explain why the RFP is in the		
12 public interest, and I'll provide an update on th	ie	
13 status of the RFP in Oregon.		
14 Regarding scope and the IE		
15 recommendations, upon review of the rebuttal		
16 testimony from parties in this case, the company	can	
17 agree to all of the IE's recommendations, includi	ng	
18 broadening the scope to wind resources that can		
19 deliver output anywhere on PacifiCorp's transmiss	sion	
20 system and that provides net benefits for custome	ers.	
21 It will also allow bidders to provide written		
22 comments on the pro forma power purchase and		
23 bill-transfer agreements in their proposals; and	we	
24 will include a statement in the RFP that bidders		
25 should consider the potential accounting of		

Page 56 treatment implications associated with longer-term 1 2 contracts. Each of these are recommendations made 3 in the IE's rebuttal testimony. 4 In addition to these recommendations, the company has also further relaxed it's system impact 5 study requirements in the IRP -- or in the R RFP --6 which now require only that bidders initiate the 7 interconnection process before submitting their bid. 8 9 Closing of any executed agreements will be conditioned on the final transmission arrangements. 10 11 The company continues to oppose 12 recommendations from parties to extend the 2017R RFP 13 eligibility to solar or other resources, which would 14 eliminate the time-limited opportunity and 15 essentially jeopardize the opportunity that's in 16 front of us today. However, the company remains open to testing the market for additional solar 17 resource opportunities as indicated in our comments 18 19 in reply to the Utah IE report. These opportunities 20 we would pursue if they can deliver net benefits for 21 customers, and that can be done in a separate 22 process. Again, it does not jeopardize the 23 opportunity to procure the new wind resources during the 2017R RFP. Essentially, it is not a question of 24 25 whether one resource type is better than other, but

1	Page 57 whether additional resources in addition to what			
2	we're proposing might be able to provide the same			
3	benefits that we're targeting through the 2017R RFP.			
4	Regarding the public interest, Utah code			
5	requires a finding that the RFP is in the public			
6	interest, taking into consideration factors beyond			
7	whether it will most likely result in the lowest			
8	reasonable cost. For example, there are other			
9	factors that the commission can consider, including			
10	long-term and short-term impacts, risk, reliability			
11	and any other factors determined to be relevant by			
12	the commission.			
13	But the company's proposal to expand			
14	scope, 2017R RFP is likely to result in wind			
15	resource bids at the lowest reasonable cost. The			
16	company proposed new wind and transmission projects			
17	will deliver net customer benefits over both the			
18	near-term and the long-term, and these key benefit			
19	streams are not speculative, as shown by the			
20	informational update that accompanied my			
21	supplemental direct testimony and also as summarized			
22	in RMP Exhibit 3 submitted into the record, or,			
23	again, my summary.			
24	I will now turn to Rocky Mountain Power			
25	Exhibit 3 and explain the information on this			

Page 58 Dit. There's a figure on the top left of this
oit that shows across time from 2018 through
and on the Y-axis, dollars millions of
ars of nominal, net benefit over cost associated
the company's proposed wind and transmission
ects across a range of nine different scenarios,
e we looked at varying natural gas price
mptions and CO2 policy assumptions.
What this chart demonstrates is that,
ss all cases that we have studied, within three
our years of the projects being placed in
ce, the change in nominal revenue requirement
nd these are not levelized numbers, these are
-to-year nominal revenue requirements cross
to provide benefits within three to four years
eing placed in service.
The chart at top right breaks down through
Front ten years of the projected period the
ents that are driving the benefit streams for
range of benefits you're seeing on the chart at
eft the types of benefit drivers to the
ects. This one focuses on the central tendency
with medium natural gas prices and medium CO2
es, and highlighted in this chart are one of the
drivers are the PTC benefit, shown here as a

1	Page 59 navy blue benefit stream in negative dollars a
2	reduction in revenue requirement followed by
3	avoided fuel cost on the system, whether that be
4	from existing coal generation or from gas.
5	Avoided fixed cost this relates to the
6	fact that, if the transmission projects are not
7	constructed and transmission and the new wind from
8	the proposed projects, the alternative portfolio
9	still includes wind resources in Wyoming without the
10	transmission that would be displaced if the new
11	transmission project were added with the new wind.
12	And, then, finally, we have market and
13	other variable and emissions. Key to this is that
14	less than 10 percent of those value drivers through
15	the first ten years of the project are driven by
16	market increased market purchases or sales or
17	some potential future policy affecting emissions.
18	The remaining 90 percent are not nearly as volatile
19	as those of more uncertain variables things
20	around what market prices may look like.
21	There's a high degree of certainty about
22	what level of PTCs will be. They are established by
23	the IRS on a year-to-year basis and adjusted for
24	inflation, and we have a pretty good forecast of how
25	we believe our avoided fuel cost will look going in
1	

Page 60

through the first ten years. 1

5

6

8

9

13

15

19

2 Over the longer term, these zero-fuel cost 3 resources are more likely than not to continue to 4 deliver net power/cost savings and provide all benefits to customers. This can be seen in, again, at the chart at top left. When you get beyond that front 10-year window and the PTCs expire -- where 7 the benefit stream goes positive for a few years -it is more likely that, without having any fuel costs for these projects, that the net power cost 10 11 will be reduced across the range of scenarios that 12 we cite. Again, that's a range of nine different scenarios for natural gas and CO2 price assumptions. 14 Moving on to an update on the Oregon RFP We now have the order that's conditionally process. approving the 2017R RFP in Oregon, which I had 16 offered as the supplemental exhibit RMP Exhibit 4. 17 And as approved by the Oregon Commission, the Oregon 18 RFP is seeking Wyoming land resources. The company 20 will be providing the Oregon Commission an update on 21 this hearing at a public meeting on September 26th, 2.2 2017; so next week; and if the Utah Commission 23 adopts a broader scope, as we have proposed, to 24 accommodate the recommendations from the IE and 25 other parties to include wind resources that can

	Page 61
1	deliver output anywhere on our transmission system,
2	we will ask the Oregon Commission to align the scope
3	of its RFP, allowing the 2017R RFP to be issued to
4	the market as soon as September 27th, 2017.
5	In conclusion, I recommend that the
6	commission approve the RFP as modified to satisfy
7	all of the IE's recommendations, which can be issued
8	to the market upon final review by the IE.
9	We respectfully request that the
10	commission issue an to order no later than
11	September 25th, 2017, on this request.
12	Thank you.
13	MS. HOGLE: Mr. Link is available for
14	cross-examination.
15	MR. LEVAR: Okay. Thank you.
16	Ms. Schmid?
17	MS. SCHMID: I have just a few questions.
18	EXAMINATION
19	BY MS. SCHMID:
20	Q. My question mostly concern Exhibit 3 that
21	was just admitted. When I do the math, it seems
22	that you're defining near-term for the makeup of
23	near-term benefits referenced on Exhibit 3 as 13
24	years. Is that correct?
25	A. Primarily, referencing near-term to

Page 62 1 represent the 10-year window in which production tax 2 credits would be available for the project, and so it's 13 years perhaps from today, 10 years from when 3 4 the projects will be placed in service. Thank you. 5 0. Later in Exhibit 3, you say that near term 6 benefits are not speculative. You are not 7 guaranteeing these benefits, though, are you? 8 9 Α. Well, there's always a range in benefits. That's why we ran nine scenarios. My comments 10 11 around the benefits not being speculative is 12 primarily driven by the fact of what's driving the value stream. There's a much narrower range in 13 14 benefits in that near-term than you see in the 15 long-term, and that's because the benefits are 16 driven by things like production tax credits, which are a large component of the value proposition. 17 Isn't that true, though, that the actual 18 Q. results could fall outside of your projected range? 19 20 Absolutely. Α. 21 0. And it has been said that the only certain 22 things are death and taxes. Does the same certainty 23 apply to production tax credits? 24 I believe that is -- it's highly certain Α. of where we know the production tax credit value 25

Page 63 sits, and we're confident that the project can 1 2 deliver those benefits we have for our customers. Is it always possible to predict what 3 0. 4 Congress may do, though? The answer to that is "No." However, we 5 Α. have a high level of confidence, and it's based on a 6 7 number of things. There's some history. The 8 production tax credit has been around for many, many 9 years; and I don't believe -- my understanding is 10 there's never been a case where Congress has passed 11 legislation to rescind PTCs that were already in 12 place. They passed legislation to extend and renew but not really pull it away. 13 We also have indications that there's a 14 15 desire from politicians to maintain at least the 16 level of production tax credits that are already on the books that have been passed with the tax 17 legislation in 2015. 18 19 ο. Mr. Peterson states that it is likely that we'll have more -- and I'm paraphrasing -- that it's 20 21 likely that more information will be developed in 22 the 40 Docket than is presented here about the cost 23 and benefits. 24 Do you agree that that is likely? I think -- I'll call it the "40 Docket" as 25 Α.

1	Page 64 well the information that will be presented in
2	that proceeding let me take a half step back.
3	The information that's in there today is
4	identical to the information summarized on RMP
5	Exhibit 3 in terms of the economic analysis and the
6	benefits, which is also identical to the information
7	filing we made in our 2017 RFP. As the 40 Docket
8	proceeds, we will be supplementing that record with
9	updated analysis to reflect the results of the 2017R
10	RFP after having tested the market in a competitive
11	solicitation process and received actual market bids
12	that provide, in the end, net customer benefits for
13	customers, reminding ourselves that we will only
14	proceed with projects that deliver the net benefits
15	that we're targeting through the solicitation.
16	And so, you know, it's not that it will
17	substantially, you know, expand or change. It will
18	simply be updated to reflect the actual results of
19	the RFP.
20	Q. And interveners in the 40 Docket will have
21	a chance to question, explore, and scrutinize that
22	additional information. Is that correct?
23	A. Yes.
24	Q. Thank you. That's all.
25	MR. LEVAR: Thank you.

1	Page 65 Mr. Moore?				
2	MR. MOORE: Yes.				
3	EXAMINATION				
4	BY MR. MOORE:				
5	Q. Mr. Link, referring to your Exhibit No. 4.				
6	On the second page, the paragraph that begins under				
7	the bold type "RFP Approval Conditioned on the IRP				
8	Acknowledgement." I just wanted to check that you				
9	agree with me that the approval of the RFP is				
10	conditioned on a December 2017 approval of the				
11	Oregon IRP. Is that correct?				
12	A. The Oregon Commission did condition their				
13	approval on acknowledgement of the related action				
14	items in our 2017 IRP, and, as they noted, that will				
15	not occur until December 2017 at the earliest.				
16	Q. Thank you. May I direct your attention to				
17	Page 13, Lines 231 to 234 of your supplemental				
18	testimony.				
19	A. Could you please repeat the reference?				
20	Q. Page 13, Lines 231 and 234. Just to				
21	paraphrase that testimony, you stated that one of				
22	the reasons the company is not proposing an				
23	all-resource RFP is that the 2016 RFP conducted by				
24	the company did not find any renewable projects to				
25	deliver net benefits to consumers. Is this correct?				

1	Page 66 A. Yes. That is one of the reasons that			
2	we're highlighting and providing that information to			
3	the commission as they review our draft RFP.			
4	Q. Are you aware of solar prices have a			
5	particularly Utah solar prices have significantly			
6	declined since the fall of 2016?			
7	A. I am not aware, necessarily, of any			
8	explicit data that demonstrates solar Utah prices			
9	have dropped significantly since the fall of 2016;			
10	and I perhaps take this moment to highlight, if I			
11	could, that there's a difference between, say, a PPA			
12	price and the cost of constructing the project. In			
13	fact, looking back at the projects in our system in			
14	Utah of solar projects that have actually achieved			
15	commercial operation to date, the lowest cost			
16	project that came online was built and is now			
17	operating is at a price of on a levelized basis			
18	of \$51 per megawatt hour.			
19	Q. When was that price determined?			
20	A. Price was probably determined I don't			
21	know for sure. It would have been sometime, maybe,			
22	in 2015 or 2016.			
23	Q. Are you aware of the intervener's			
24	testimony and recent QF contracts that have provided			
25	solar resources today that are approximately			

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40 percent lower than that, and the low of \$30 per megawatt hour range?

Α. Yes, I am familiar with those contracts, 3 4 and I'm differentiating between, say, gualified facility -- or QF contract executed under PURPA --5 6 contract execution does not mean that a project will come online and be able to operate at the price 7 8 provided in that power purchase agreement. In fact, 9 our experience has been more often than not that a 10 lot of projects -- actually more projects than not -- are unable to hit their commercial operation 11 12 dates through those type of agreements. In fact, we 13 are getting indications from, in general, solar 14 project developers across our system -- under QF projects primarily -- that they are not likely to be 15 able to hit their commercial operation dates 16 currently in their executed power purchase 17 18 agreements, in part because of concerns around 19 getting panels at a price with concerns around 20 potential tariff costs associated with that 21 equipment. 22 ο. The 2016 RFP was limited to resources that 23 deliver into the eastern half of PacifiCorp's

24 territory, excluding Utah, Idaho, and Wyoming.

Isn't that true?

25

Page 68 1 Α. Correct. 2 Q. It was also limited resource that did not require significant transmission upgrades. 3 4 Isn't that true? Α. That's correct. 5 If the Wyoming wind and associated 6 Q. transmission projects proposed here would not have 7 qualified and therefore not have been selected in 8 the 2016 RFP? 9 10 Α. I can't -- they wouldn't have qualified 11 under the terms in which we established that RFP. There are other differences in the 2016 12 0. 13 RFP, in this case, including the way they were publicly vetted, and there was no utilizer --14 independent evaluator. Is that correct? 15 16 Α. We did not procure the services of an independent evaluator. The RFP was, however, 17 implemented following the very same processes that 18 we've done in past solicitations that involved 19 20 independent evaluators. 21 0. In the company's Energy Vision 2020 22 update, you compared update assumptions regarding 23 the Wyoming wind and transmission proposal with the status quo project that did not include transmission 24 25 upgrades.

1		Page 69 Isn't that true?
2	Α.	That is at the heart of the analysis to
3		ate the economic benefits. That's a study
4		ludes the transmission of new wind compared
5		are that assumes those projects do not move
6	forward.	
7	Q.	Thank you.
8		MR. MOORE: I have no other questions.
9		MR. LEVAR: Thank you, Mr. Moore.
10		I think I'll go to Mr. Longson next.
11		Do you have any questions for this
12	witness?	
13		MR. LONGSON: No questions. Thank you.
14		MR. LEVAR: I think I'll go to Mr. Dodge
15	next, the	en.
16		MR. DODGE: Thank you, Mr. Chairman.
17		EXAMINATION
18	BY MR. DO	DDGE:
19	Q.	I'll refer you first of all to Line 77 of
20	your test	cimony.
21	Α.	Supplemental testimony or the direct
22	testimony	7?
23	Q.	I'm sorry. The supplemental testimony.
24	Α.	774?
25	Q.	Yeah. Beginning on Line 774.
1		

Page 70 1 The question -- I'll wait till you get 2 there. 3 MS. HOGLE: Mr. Dodge, there is no Line 4 774. 5 MR. DODGE: Page -- Line 77. 6 MS. HOGLE: Line 77? Okay. MR. DODGE: Line 77 to 84. 7 MS. HOGLE: 8 Okay. 9 THE WITNESS: Thank you for the clarification. I was starting to wonder about my 10 testimony. I am there. 11 12 Q. (BY MR. DODGE) The question that begins 13 on Line 75 was what other company has analyzed what other Wyoming wind projects will meet the lowest 14 cost standard of the Utah statute. 15 16 Is that your understanding of that question? 17 18 Α. Yes. 19 Q. Your answer was "Yes," because it's based on the informational update filed in the 2017 RFP 20 21 and that you attached to your supplemental 22 testimony. Right? 23 Α. Yes. 24 0. To be clear, the analysis that you attached to the 2020 -- Energy Vision 2020 update 25

Page 71 relies solely on the IRP cost assumptions for 1 2 resources other than the wind resources you're proposing to make. Right? It did not update from 3 4 the 2016 walk-down date prices for other resources. 5 Correct? 6 Α. It included updated assumptions relative to the 2017 IRP studies related to the proxy 7 8 benchmark resources that we anticipate offering into 9 the 2017R RFP. 10 Right. Other than those updates for the 0. 11 projects you're proposing in Wyoming, there were no 12 updates to other assumed resource costs? 13 That's correct. We hadn't received any Α. 14 indication yet that there were additional cost savings that could be applied to other resource 15 16 technology. Turn, if you will, in the same testimony 17 ο. to Line 198 -- beginning on 198. You indicate in 18 that paragraph that, in reviewing the IRP portfolios 19 -- and I'll quote here, beginning on Line 199 -- "It 20 21 became clear that the amount of Wyoming wind 22 included was limited by transmission constraints." 23 It's also true, is it not, that the ability of the model to choose Utah -- Southern Utah 24 solar -- was similarly restrained by transmission 25

1	Page 72 Constraints, was it not?
2	A. I don't believe it was constrained by
3	transmission constraints. The model for Utah solar
4	simply accounts for the cost of those projects,
5	indicative of any potential transmission upgrade
6	costs that might be applied at various levels of
7	model or planned acquisition over time.
8	Q. The point is without additional without
9	additional transmission investment in at least much
10	of the southern Utah below the cut plain where
11	constraints exist, that model could not and would
12	not have been Utah solar because of the cost,
13	because of the imposition of the transmission
14	constraints or the cost of the (inaudible).
15	Correct?
16	A. The model identifies relevant costs to
17	procure different resources. There are costs
18	associated with procuring solar resources in Utah or
19	renewable resources anywhere on our system that are
20	reflected in the model. The costs that we're
21	assigning to the projects we're studying and
22	proposing similarly include the cost of construct
23	and any transmission costs required to either
24	connect or integrate that to our system.
25	Q. Well, let's talk about that. The IRP does

1	Page 73 not select transmission segments. Correct? You
2	testified that the IRP is not capable of picking and
3	choosing transmission segments as the least-cost
4	resources?
5	A. I would clarify that, though, the models
6	do not inherently or automatically choose
7	transmission segments. The IRP does evaluate
8	alternatives that assess different transmission
9	segments on the system through sensitivity and
10	scenario analysis, which is similar to the types of
11	studies we have been performing in the 2017 IRP for
12	many, many years.
13	Q. And what sensitivity analysis did you
14	conduct about relieving southern Utah transmission
15	to open up Southern Utah solar?
16	A. We ran various different types of energy
17	gateway project sensitivities that looked at
18	different segments, four of them in the 2017 IRP,
19	which include additional transmission lines, called
20	Energy Gateway South, that could enable potential
21	additional projects for Utah of solar access.
22	Q. And outside the Gateway projects the
23	company's been promoting for many years, you did not
24	do any sensitivity analysis of upgrading specific
25	lines in Southern Utah to allow additional solar to

1	Page 74 be to reach (inaudible), did you?
2	A. No. We're focusing on those projects in
3	which we have proceeded down the path of seeking a
4	record decision of permit efforts without
5	speculating what types of permit and timing may need
6	to add transmission segments at very specific
7	locations outside of those projects across our
8	system.
9	Q. You have not conducted a study to
10	determine what the IRP analysis what the IRP
11	model would have picked if you had, for example,
12	assumed the \$700 million investment in relieving
13	congestion from one or more of your Southern Utah
14	lines into the Wasatch Front or into the back east
15	side.
16	Is it true you had not conducted that
17	analysis?
18	A. Well, again, we had run the sensitivities
19	for Energy Gateway analysis which include capital to
20	build those transmission projects that could allow
21	additional assets to come on to the system. Those
22	studies were performed and were identified as being
23	higher cost and higher risk associated to ultimately
24	the proposed project we included in our portfolio.
25	Q. And that's with the entire Gateway South

Page 75 project included. 1 2 My question was did you do an analysis of 3 the selective upgrade of your transmission 4 capability from Southern Utah into the back east area in the neighborhood of \$700 million to see what 5 that would have done in terms of alleviating 6 congestion and allowing the model to pick Southern 7 Utah solar. 8 MS. HOGLE: Objection. Asked and 9 answered. I believe it was answered. 10 11 I apologize. I don't think he MR. DODGE: 12 answered it. He went back to Gateway South, and I'm 13 asking a narrower subset of that. The Gateway South is a multi-million 14 dollar project. I'm saying discrete segments like 15 16 they've done now with the D2 segment of Gateway 17 West. (BY MR. DODGE) Did do you do a discrete 18 0. 19 segment analysis of what might have relieved 20 congestion in Utah South? I think that's a very 21 different question. I think we would like to have 2.2 MR. LEVAR: 23 an answer to that question on whether there was an analysis of those southern lines. 24 25 THE WITNESS: Sure.

Page 76 We didn't do an analysis outside of the 1 2 Energy Gateway sensitivities that I described in my 3 earlier response. I don't know if there's some 4 other transmission project and whether it would cost \$700 million. We focused on those projects that 5 could be delivered within the time frame that we 6 were talking about, which were projects that could 7 achieve commercial operation to take advantage of 8 9 the modeling results we were seeing in prior 10 studies. That includes Energy Gateway projects. We 11 have already, like I mentioned, received the record 12 of decision and done permitting those efforts for 13 about at least ten years, to my knowledge. That enables the possibilities for those projects to be 14 delivered in the time horizon that works for that 15 16 very sensitivity and through this ultimate RFP solicitation process. 17

The subsegment that we referenced is a 18 19 part of the Energy Gateway project that also has 20 that record of decision and permit; so we did not 21 perform sensitivities specifically as Mr. Dodge 2.2 described in the IRP. We did perform transmission 23 sensitivities for segments and subsegments that could be delivered in the time horizon when we're 24 25 focusing to take advantage of the federal production

Page 77 tax credits. 1 2 Q. (BY MR. DODGE) Do you have the IRP in front of you? Do you have the IRP with you? 3 4 Α. I do not. By memory, can you tell me which of the 5 0. sensitivities looked at the subsegment of the 6 7 Gateway South project? 8 Α. I cannot by memory. 9 Q. Was there one that looked at a subsegment 10 of the Gateway South project? 11 MS. HOGLE: Objection. Asked and 12 answered. MR. DODGE: I asked --13 MR. LEVAR: I think the question is a 14 little different. 15 16 (BY MR. DODGE) I'm asking is there one, Q. if you know? 17 MR. LEVAR: Well, I think he's answered 18 19 that he doesn't know of one. 20 Is that correct? You've answered that you 21 don't know of one? 2.2 THE WITNESS: Correct. 23 MR. LEVAR: Okay. I think the question --24 MR. DODGE: Can I follow up to make sure? 25 Is he -- does he believe there is one? He

Page 78 said -- I had said, "Can you tell me which 1 2 sensitivity study?" And he said, "I can't 3 remember." 4 Now I'm saying, "Is there a sensitivity study?" And if the answer is "I don't know," that's 5 fine, but I haven't asked that question yet. 6 7 MR. LEVAR: I think his "I don't know" 8 applies to that question. 9 MR. DODGE: Can I confirm that with him, please? 10 11 MR. LEVAR: Why don't you confirm your 12 answer. (BY MR. DODGE) Does your "I don't know" 13 Q. 14 15 I am not sure without going back and Α. 16 checking the assumptions. 17 Q. Thank you. 18 MR. DODGE: And I apologize, Mr. Chairman. 19 I was -- I'll go on. 20 (BY MR. DODGE) You also have not done an Q. 21 analysis that updated the solar prices that you 22 assumed in the RFP. Correct? We have -- we -- well, the Energy Vision 23 Α. 2020 update -- informational update analysis did not 24 25 include updated solar project costs. We hadn't

	Page 79
1	received any indication that those costs were
2	materially changed. In fact, as I noted earlier, we
3	have been receiving indication from project
4	developers that there were concerns and risks
5	associated with actually receiving with concerns
6	out around potential tariff issues.
7	Q. Who's told that you, Mr. Link? Just tell
8	me, specifically.
9	A. I can't name any specific parties. I'm
10	not
11	Q. Is that because
12	A. In general
13	Q you don't remember?
14	A. Yeah. I don't I don't recall.
15	Q. So who conveyed that information? You
16	don't have any clue?
17	A. There are various QF projects as I
18	understand it, and I'm making a generalization
19	across a number of different parties that have
20	indicated as they informed us of their ability to
21	potentially hit commercial operation dates, they
22	have suggested that that is one of the reasons they
23	may not be able to hit their commercial operation
24	dates.
25	Q. You can't support that with anything but a

Page 80 vague "I don't know. I think someone told us." 1 2 Is that what you're telling me? 3 MS. HOGLE: Objection. That's 4 argumentative. MR. DODGE: Well, I think I have the right 5 to know who's claiming the information -- giving 6 hearsay information -- and he can't provide the 7 source. I think I have the right to explore that, 8 Mr. Chairman. 9 MR. LEVAR: I think he answered the 10 question. I think I'll allow a little more 11 12 clarification, but I think basically the answer is 13 in front of us, but I'll give a little more room for clarification on the issue. 14 15 (BY MR. DODGE) To clarify, you're not the Q. 16 QF person; right? 17 Actually, I am responsible for qualifying Α. facility and PURPA activities for the company. 18 19 0. And you're the one who interacts with the QF developers? 20 21 Α. From time to time. Not always. 22 Q. But you can't name one who just told you 23 what you --24 MS. HOGLE: Objection. Asked and 25 answered.

Page 81 1 MR. DODGE: If that's his testimony that 2 he can't name them --MR. LEVAR: I think it's worth clarifying 3 4 what the answer to that question is. I'm not sure 5 that specific one was answered. THE WITNESS: Concern about confidential 6 information -- I can't name an individual-specific 7 8 project. I can clarify that, being responsible for 9 PURPA activities throughout the company, I have staff meetings from time to time with my team to 10 discuss progress and status on any number of 11 12 projects that we're working on, including qualifying 13 facility and PURPA activities across our entire 14 six-state service territory, and it is through those meetings and updates that I receive feedback on 15 16 status and what are causing projects to either be delayed or not. 17 (BY MR. DODGE) Mr. Link, PacifiCorp is 18 0. 19 sued by at least two energy developers -- QF developers -- right now trying to demand contracts 20 21 be honored and followed through. 22 Are you aware of those lawsuits? 23 Α. I am aware. For example, EverPower in Wyoming is suing 24 0. -- claiming that they have a contract and that the 25

Page 82 1 company refuses to honor it. 2 MS. HOGLE: Objection. (BY MR. DODGE) Do you know --3 Q. 4 MR. LEVAR: What's the basis for your objection? 5 6 MR. DODGE: I didn't ask a question. MS. HOGLE: The basis of my objection is 7 that he is questioning Mr. Link on topics that are 8 beyond the scope of his testimony. 9 10 MR. DODGE: To the contrary. 11 MR. LEVAR: Do you want to respond to 12 that? 13 MR. DODGE: It's exactly within the scope. 14 He's saying developers are saying they can't develop at these prices, and I'm pursuing why he's being 15 16 sued at the prices he's saying they can't develop. They're being sued by people saying, "Give us the 17 contract at those levels," and they've refused it. 18 19 I'm trying to show that his testimony that they 20 can't produce at that level is false. 21 MS. HOGLE: And --2.2 MR. LEVAR: Ms. Hogle, do you have 23 anything else to add? 24 MS. HOGLE: Yes. I believe that it's 25 inappropriate for Mr. Dodge to be testifying on the

1	Page 83 record, which is what he's doing.
2	And he's and I also would like to lodge
3	an objection based on being argumentative and,
4	again, assumes assuming facts not in evidence and in
5	asking questions that are beyond the scope of Mr.
6	Link's testimony.
7	MR. LEVAR: I think I believe Mr. Link
8	opened the door to discuss the issues surrounding QF
9	contracts. There is a line on providing testimony
10	in the questions. I'm not sure we've crossed that.
11	I think there's some opportunity to cross-examine
12	Mr. Link on the basis for his representations with
13	respect to QF contracts, and I think this hearing
14	would benefit from a little more clarification on
15	the nature of those representations; so I'm going to
16	allow a little more exploration of that.
17	MR. DODGE: Thank you, Mr. Chairman. If I
18	cross the line, I'm trusting that you'll let me
19	know.
20	Q. (BY MR. DODGE) Mr. Link, are you aware of
21	a lawsuit by EverPower coming before the Wyoming
22	Commission?
23	A. I would clarify that I don't believe it's
24	a lawsuit. There's a complaint with the Wyoming
25	Commission at this point.
1	

1	Page 84 Q. I meant to say "litigation." The
2	complaint.
3	And are you aware they are claiming that
4	they have a they believe they have an enforceable
5	contract with the company?
6	A. I am not comfortable discussing the merits
7	of an active proceeding in that jurisdiction.
8	Q. This is public, Mr. Link. The complaint
9	is a public document of the Wyoming Commission.
10	I'm asking are you aware that in that
11	public document they have alleged that they believe
12	they have a binding agreement that the company
13	refuses to honor?
14	A. I am familiar with the terms of the
15	complaint.
16	Q. And are you familiar with the pricing at
17	which EverPower has claimed they have a contract?
18	I'm not going to ask the specifics. I'm asking are
19	you aware of what the pricings are, approximately?
20	MS. HOGLE: Objection. Before he
21	continues, I would also like to object on the basis
22	that he, Mr. Dodge, is talking about a wind project.
23	He started this whole thing talking about solar, and
24	so solar is not wind.
25	MR. DODGE: I intend to go to a solar

Page 85 project next. I think I'm entitled to show what 1 2 we're talking about in terms of people being able to 3 deliver particular cost levels. 4 MR. LEVAR: In terms of the objection, I think we'll allow Mr. Dodge to ask Mr. Link if he's 5 aware of the proceedings. I don't think Mr. Link 6 can be forced to testify his understanding of the 7 position of the parties who have filed the 8 9 complaints against Rocky Mountain Power are. So with that caveat, I think we'll allow 10 11 continued discussion of this, but I don't think Mr. 12 Link can be forced to testify of his opinions of 13 those complaints or the position of parties in those complaints. I think that would be a little outside 14 15 the scope of his testimony today. 16 I appreciate that, and I will MR. DODGE: try not to go there. I am solely trying to get an 17 understanding of relative level of pricing. 18 19 ο. (BY MR. DODGE) And so my question is are you aware generally of the pricing in that contract 20 21 that EverPower is trying to enforce? 2.2 Α. I'm generally aware. 23 0. Secondly, you're aware, I'm sure, of the litigation before this commission by sPower? 24 25 Α. I am aware.

1	Page 86 Q. And I will be very cautious there, but
2	you're aware of the pricing in that contract as
3	well. Right?
4	A. I am generally aware.
5	Q. You're also aware that there are other
6	parties signing QF contracts or proposing to sign QF
7	contracts at pricing that is well below the \$50
8	levelized price that is assumed in your RFP today.
9	Correct?
10	A. I am.
11	Q. And once those contracts are signed and
12	approved by the commission, a party has to supply
1 0	security to ensure that those projects are developed
13	becarity to embare that those projects are developed
13	timely, do they not?
14	timely, do they not?
14 15	timely, do they not? A. As
14 15 16	<pre>timely, do they not? A. As MS. HOGLE: Objection. Excuse me.</pre>
14 15 16 17	<pre>timely, do they not? A. As MS. HOGLE: Objection. Excuse me. Objection. The only thing I'm objecting is because</pre>
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1	Page 87 Q. (BY MR. DODGE) The question is do your QF
2	PPA contracts include a requirement for project
3	development security posted within a certain time
4	frame after the PPA is approved by the company,
5	designed to secure the project performance?
6	MR. LEVAR: I think asking Mr. Link if
7	he's aware if that's the case in standard PPA
8	contracts is an appropriate question.
9	THE WITNESS: Contracts can vary from
10	project to project with regard to the security
11	requirements; so I think the question is too broad
12	to address directly as to whether it's a yes or no.
13	Q. (BY MR. DODGE) Are you aware of any QF
14	PPA contract the company has entered into that does
15	not require a project development security?
16	A. Yes.
17	Q. Any in the last five years?
18	A. Subject to check, yes.
19	Q. Are you aware that the majority of them do
20	require that?
21	A. I don't have the information in front of
22	me to assess the exact contracts the volume that
23	were executed under one versus another structure.
24	Q. Mr. Link, if you'll turn to Page to
25	Line 229 beginning on 229 of your testimony.

	Page 88
1	This is just one of the places in your
2	testimony and several times today orally you've made
3	the statement along the lines that the Wyoming wind
4	is a time-limited opportunity and that broadening
5	on Line 235 that broadening the RFP would create
6	an untenable delay and potentially undermine the
7	reliability of the RFP. Is that your testimony?
8	A. The reference line states my testimony.
9	Q. Can you show you us in the record any
10	analysis that the company has done to demonstrate
11	that there's a delay (a) that there would be a
12	required delay in order to broaden the RFP to
13	include solar? Let me stop there.
14	Have you done any analysis that could be
15	put in the record here to show that there would be a
16	delay and what it would be if you had a broaden it
17	to include solar bidders?
18	A. We have laid out in my testimony the fact
19	that there are specific timelines that we are trying
20	to achieve with the proposed schedule in the
21	solicitation. Paramount to that schedule is the
22	requirement that we receive the notice or the
23	conditional notice to proceed for a Certificate of
24	Public Convenience and Necessity from the Wyoming
25	Commission. That is fundamentally one of the most
1	

1	Page 89 time-limiting steps in the process that's described
2	in my testimony in this proceeding, and we've laid
3	out the rationale and the timing required to ensure
4	that we can supplement the record for that case by
5	January 2018.
6	As we sit here today in mid-September of
7	2018 (sic), we're in a narrow window band of
8	window to be able to complete the RFP process
9	recognizing in my surrebuttal testimony this
10	morning, we have been agreed to expand the scope to
11	include all wind resources across our system, and
12	we're okay with proceeding in a separate
13	solicitation to look at solar resource opportunities
14	in a separate process so long as those projects
15	would provide benefits for our customers.
16	The rationale and reason behind that as
17	noted in my testimony here is this is a time-limited
18	opportunity for the new wind and transmission
19	projects, and it's not one that precludes us, in
20	fact, from pursuing other cost-effective
21	opportunities should they be available in an RFP
22	process that would be issued to test the market.
23	Q. I know you don't like to use the word
24	"No," but is it safe to say, no, you don't
25	haven't done the study other than what you've

1	Page 90 testified to that's in the record about the
2	timelines you've laid down for approval?
3	A. Perhaps it would be helpful if you could
4	clarify for me what you mean by "study."
5	Q. Well, you said that any delay that would
6	be caused by expanding the RFP would be untenable
7	and could risk this time-limited opportunity, yet
8	you just expanded it now to include other wind.
9	What kind of time delay will that include?
10	Have you studied that?
11	A. Yes. In my live surrebuttal testimony
12	here this morning, I indicated that, if the
13	commission approves our recommendation to expand the
14	scope for wind, that we could issue that market
15	to market as soon as September 27th, 2017; so next
16	week.
17	We have, frankly, accommodated the
18	schedule to address that expanded scope as I noted,
19	based off of the response we received from parties
20	in this proceeding and really can deliver that only
21	by compressing the time scales associated with our
22	team's ability to receive and review those bids as
23	part of that process. In other words, we're going
24	to have to roll up our sleeves and work a little bit
25	harder to still get things done by January early

1	January of 2018. Page 91
2	Q. And earlier you claimed that opening up to
3	other wind in other places would created delay,
4	because you get lots of responses, and that would
5	put the timing at risk. Did you not?
6	A. That is that is correct. We were
7	working down a planning schedule that necessarily
8	didn't require the level of extra time required on
9	our team to work essentially by rolling up our
10	sleeves and working extra hours.
11	Q. So what analysis have you done as to what
12	additional time would be required if you also
13	expanded it to non-wind resources?
14	A. Sure. We have, as you might imagine,
15	prepared and discussed that with my team leading up
16	to this process, given the recommendations by
17	parties to do just that. There are a number of
18	elements that would be required to expand the scope
19	of the RFP to include resources for solar. And a
20	few examples of those are beyond just going through
21	the RFP document itself and making sure all of the
22	language accommodates other resource types. We
23	would need to modify or at least review and enhance
24	our bid evaluation scoring process to be specific to
25	solar resources. We would also need to go through

1	Page 92 and develop and refine our pro forma contracts that
2	are included as part of the RFP. Agreements related
3	to solar projects are not the same type of
4	agreements that would be required, for example, for
5	a wind project. They are specific. We would also
6	need to go through and update and refine our
7	technical specifications related to solar projects
8	that could be issued for solar resources anywhere
9	across the RFP.
10	While we haven't laid out the exact level
11	of time that would be required to implement each of
12	those steps, what we do know is that it would
13	require too much time for us to achieve that scope
14	while also delivering a final shortlist by January
15	of 2018, which is required for us to maintain the
16	opportunity to pursue the wind projects that will
17	bring the benefits to customers, and I'll emphasize
18	we'll only go forward with those projects if the
19	benefits are there at the end of the process.
20	We can achieve the exact same efforts
21	through a separate RFP process to look at other
22	opportunities for solar resources.
23	MR. DODGE: Mr. Chairman, I'm going to ask
24	that the witness be admonished to quit just giving
25	speeches. I asked a very narrow question which was
1	

1	Page 93 "Have you done a study and presented it in this
2	docket for the time that would be required to expand
3	to solar?" I let him go on. The answer to that was
4	"No," but he said they talked about it and gave an
5	example, but now he wants to go into other areas.
6	We're never going to finish if he just keeps
7	repeating his speeches.
8	MR. LEVAR: I think his statement was
9	relevant to the question. You asked your
10	question was specific to a study, but then he
11	discussed what they've done internally to informally
12	study that issue.
13	MR. DODGE: And I didn't object to that
14	part. It's "We're open to doing it later," which is
15	not relevant to the question.
16	MR. LEVAR: Okay. I'll agree to that last
17	statement. It was not relevant to the question.
18	MR. DODGE: I just want to get through
19	this today.
20	May I approach and hand out a
21	cross-examination exhibit?
22	MR. LEVAR: If anyone objects, let me
23	know.
24	MR. DODGE: I'll apologize in advance that
25	this challenges my eyes. I should have checked

1	Page 94 before I had it printed out again.
2	Q. (BY MR. DODGE) Mr. Link, I'm going to
3	start before I get into specifics of this document
4	by asking you what is it about January 2018 issuance
5	of your short list that puts everything else at risk
6	of losing the time-limited opportunity for these
7	PTCs?
8	A. That is the time horizon in which we need
9	to supplement the record, primarily focused on the
10	Wyoming Certificate for Public Convenience and
11	Necessity to get the conditional approval for that
12	CPCN application that allows us to get the rights of
13	way to proceed with ultimately construction and
14	development of the transmission project so that that
15	can come online by the end of 2020.
16	Q. So that what can come online by the end of
17	2020?
18	A. The transmission project.
19	Q. You're familiar, are you not, that the
20	transmission project doesn't have to be done by the
21	end of 2020 in order for the wind resources to
22	qualify for the PTCs at 100 percent?
23	A. I am familiar that there are alternative
24	ways to qualify projects for PTCs in that the risk
25	profiles for the various alternatives are not the

Page 95 1 same. 2 Q. Let's walk through this exhibit. 3 MR. DODGE: I will ask that this be marked 4 as UAE cross-examination Exhibit No. 1. MR. LEVAR: Mr. Dodge, while we're 5 6 transitioning to a new topic, I wonder if this would be an appropriate time for a brief recess and give 7 8 our court reporter a break and just take a brief 9 recess --10 MR. DODGE: Certainly. 11 MR. LEVAR: We'll take ten minutes until 12 11:15. Any objection in the room to that? Okay. 13 We're in recess until 11:15. 14 Thank you. 15 (Recess.) 16 MR. LEVAR: We are back on the record and Mr. Dodge. 17 Thank you, Mr. Chairman. 18 MR. DODGE: 19 (Off-the-record discussion about microphones.) 20 MR. LEVAR: We're back on the record. 21 Mr. Dodge. 2.2 MR. DODGE: Thank you. 23 0. (BY MR. DODGE) Mr. Link, before the break I handed you what we have marked as UA 24 cross-examination Exhibit No. 1. 25

Page 96 1 Have you ever seen this Internal Revenue 2 bulletin? I don't recall if I've read this specific 3 Α. 4 one. 5 Q. If necessary, we can walk through the details in this bulletin, but I'm going to ask you 6 whether you're generally familiar with the 7 requirements for the wind projects you're proposing 8 9 to qualify for the PTC. Right? 10 I am. Α. 11 And is it your understanding that the Q. 12 first requirement for qualification -- well, one 13 requirement is that you have the right to -- and I 14 think we'll both agree that wind is one of those facilities that qualifies. Correct? You will agree 15 with me there? 16 17 Α. Yes. 18 One of the requirements for wind facility Q. 19 to qualify for the 100 percent of the PTC was that construction had to have begun by 12/31/2016. 20 21 Correct? 2.2 Α. Yes. 23 0. And for that, that there are two ways to show that. One is to show physical work of a 24 significant nature before that date, and another is 25

Page 97 1 to meet a 5 percent safe harbor purchase level. 2 Is that consistent with your understanding? 3 4 Α. Yes. 5 0. And the company met that requirement for 6 it's benchmark proposals -- benchmark resources --7 by opting for the 5 percent safe harbor. Is that correct? 8 Correct. 9 Α. 10 The second requirement -- is this 0. 11 consistent with your understanding -- is that a 12 project owner needs to show continuous progress 13 towards completion. Is that consistent with how you 14 understand the requirement to read? 15 That's generally my understanding, yes. Α. And like with the satisfaction of the 16 0. first requirement for beginning construction, there 17 are two ways to show compliance with that 18 requirement. One, based on the relevant facts and 19 circumstances demonstrating that you made continuous 20 21 progress until you're completed; or, secondly, a 22 safe harbor if the project is completed by 2020. 23 Is that consistent with your 24 understanding? 25 Α. That's generally my understanding, yes.

1	Page 98 MR. DODGE: And I would indicate that the
2	IRS bulletin that I handed out as cross-examination
3	No. 1 is the source of my understanding of all of
4	those things. Everything I've just said is in
5	there, and I would move this is also cited in the
6	footnote in Mr. Knudsen's testimony, but I move the
7	admission of cross-x 1 so that the detail behind
8	what we just discussed is in the record.
9	MR. LEVAR: If anyone objects to that,
10	please indicate to me.
11	I'm not seeing any objections; so the
12	motion is granted.
13	(Exhibit Cross-Examination 1 entered into
14	the record.)
15	Q. (BY MR. DODGE) And, then, significantly,
16	in my view, Mr. Link you don't have to agree with
17	that if you'll turn to the second page of this
18	exhibit cross-examination Exhibit No. 1, under
19	Paragraph 2022, which is maybe a fourth of the
20	way down. The paragraph begins "Excusable
21	Disruptions." Do you see that language?
22	A. I'm reading it.
23	Q. In fact, I will go ahead and read it so
24	it's in the record and make sure we have a proper
25	understanding.
1	

1	Page 99 This section says "Sections 4.06(2) and
2	5.02(2) of Notice 2013-29 provide a non-exclusive
3	list of construction disruptions that will not be
4	considered as indicating that a tax payer has failed
5	to maintain a continuous program of construction or
6	continuous efforts to advance towards completion of
7	the facility. This notice revises that list, which
8	remains non-exclusive and provides additional excuse
9	excusable disruptions."
10	Did I read that correctly?
11	A. I believe so.
12	Q. Thank you. So this paragraph is saying if
13	these things happen, it won't be evidence that you
14	didn't meet the requirement to show continuous
15	progress towards completion, and some of those
16	include weather, natural disasters. (c) is delays
17	in obtaining permits or licenses. (d) is delays from
18	a federal government, and then (e) reads
19	"interconnection-related delays, such as those
20	relating to the completion of conduction on a new
21	transmission line or necessary transmission line or
22	necessary transmission upgrade to resolve grid
23	congestion issues that may be associated with the
24	project's plan interconnection."
25	Now, isn't it true, Mr. Link, that that

1	Page 100 section (e) is exactly addressing the situation you
2	would face if, for whatever reason, you did not
3	complete the transmission line by 2020, but you've
4	had the where you otherwise showed continuous
5	progress on the wind projects?
6	A. I think reliance on that section of the
7	exhibitthe IRS bulletin essentially assumes
8	that we would be required at that point to move to
9	our contingency plan to qualify our projects for the
10	production tax credits.
11	As Mr. Dodge mentioned, there is another
12	alternative, which is essentially the safe harbor
13	equipment purchase, which is more of a bright-line
14	test from the IRS. If you can demonstrate that that
15	equipment was purchased, as we have for our
16	benchmark resources as we are proposing in this RFP,
17	it was a bright-line qualification for those
18	production tax credits and will be eligible to
19	receive them at 100 percent.
20	My understanding of relying on this
21	component of the IRS ruling is more on a
22	case-by-case project, where you have to demonstrate
23	and argue to the IRS that you have, in fact,
24	maintained the continuous construction efforts in
25	light of these potential delays, but there's no

Page 101 1 quarantee that the IRS will rule favorably that you 2 have managed and met your PTCs if you are relying 3 solely on this. It is not the bright-line test that 4 we are pursuing. And so while I think that is a possibility 5 that the projects could qualify for production tax 6 credits at 100 percent value if delays were moved 7 into, say the -- beyond the end of 2020, the risk 8 9 profile is now substantially different from what 10 we're proposing in the projects; and we typically 11 don't want to go to our contingency plan right out 12 of the box, especially when you can achieve what it 13 is that's being proposed by issuing an RFP that explores additional opportunities in a separate 14 15 process. 16 Mr. Link, let's explore that again, 0. because now our understanding is (inaudible.) 17 First of all, let's start with the safe 18 19 harbor 5 percent purchase. That addresses the first requirement for qualification for 100 percent PTCs, 20 21 and that is the commencement of construction 12/31/2016. Correct? 22 23 Α. Correct. 24 0. There's no dispute that you've met that 25 one.

Page 102 1 Now, the second requirement is that you 2 have to show continuous progress towards completion. That's the standard, and it can be shown either by 3 4 showing by the facts and circumstances that you meet it or by completing the wind projects and placing 5 them in service by the end of 2020. Correct? 6 That's my understanding. 7 Α. So if you were to complete the wind 8 Q. projects and place them in service, let's say, with 9 an ER interconnection into the transmission line 10 11 because the upgrade hasn't been completed, you 12 mentioned still meet the 2020 safe harbor, and the 13 only delay associated would be to get all of the PTCs once you're able to deliver on a firm base. 14 Isn't that true? 15 16 I think my understanding is that you start Α. construction through the safe harbor purchase by the 17 end of 2016, as Mr. Dodge noted, the company has 18 done towards benchmarks that qualified under that 19 program and achieve a commercial operation date by 20 21 the end of 2020. That's more of bright-line 2.2 assessment. 23 If there were delays that require you to 24 go beyond that 4-year construction window, beyond when the safe harbor purchase was made at the end of 25

1	Page 103 2016, that is less of a bright-line test that does
2	require IRS review and the company to then
3	demonstrate that it was able to satisfy the
4	requirements that achieve commercial operation and
5	therefore introducing a risk around one of the key
6	benefit drivers of the requirement.
7	Q. The point is construction of what by 2020?
8	The safe harbor is completion of the wind project.
9	Do you have any doubt between now and the end of
10	2020 you can complete all the wind projects, even if
11	the process were delayed by a few months to
12	accommodate if that were necessary to accommodate
13	a solar RFP or an all-renewable RFP?
14	A. I'm not confident per se or not sure as I
15	sit here today that we would be able to meet the IRS
16	qualification criteria for those wind projects if
17	they were not able to get online by the end of 2020.
18	Q. The transmission line is there. Right?
19	A. Today?
20	Q. Yes.
21	A. The transmission line is not there.
22	Q. There is a transmission line there today,
23	but what could be interconnected to? Right?
24	A. No. It would not.
25	Q. With an ER interconnection?
1	

Page 104 No, it cannot. 1 Α. 2 Q. You could not interconnect with existing transmission lines that you have? 3 4 Α. That's correct. 5 0. I can address that separately. 6 But so we understand your explanation here, then, to this commission is that the 7 time-limited delay is driven by the fact you are not 8 9 confident you can show that you would continuously proceed with this project if a delay is caused by 10 11 the transmission line, notwithstanding this IRS 12 quidance? 13 My response to your question and Α. Yes. 14 summary is that there's no reason to move to a contingency plan for PTC qualification due to 15 16 delaying an RFP process, let's say, by a couple of months or whatever that may be to accommodate 17 18 additional resource technologies which can be 19 achieved without inserting any of that risk through 20 a separate process. 21 0. Well, let's address that. 22 What if -- is there a possibility, even if 23 you don't believe it's accurate, that other projects, whether it be Wyoming -- excuse me --24 Idaho solar projects or wind projects -- well, I 25

1	Page 105 won't say "wind" because you meet the standard
2	Oregon solar projects, Utah solar projects, New
3	Mexico solar projects is there a chance that some
4	of those resources on the straight-up analysis will
5	come in lower than your projected cost.
6	MS. HOGLE: Objection. Calls for
7	speculation. I mean, he would have to do the
8	analysis.
9	MR. DODGE: It doesn't require for
10	speculation to say whether there's a chance that
11	could exist.
12	MR. LEVAR: I think we'll allow Mr. Link
13	to answer whether to the extent of his knowledge.
14	THE WITNESS: Yeah. I think it's to
15	answer that question, I think I have to clarify what
16	the company's proposing. And that is, we're only
17	pursuing projects that will provide net benefits
18	projects that are going to reduce rate pressure for
19	customers; and so whether it's not a question of
20	whether or not a solar project in New Mexico or
21	Oregon can be delivered at a lower cost than the
22	projects we're pursuing and proposing through this
23	RFP. It's really whether or not they can be
24	procured or pursued with the same type of overall
25	benefit that we're providing to our customers; so

Page 106 it's a value stream associated with these assets, 1 2 and there's a cost stream, and what we're saying is 3 the benefits exceed the cost. 4 And so if there are additional 5 opportunities to test the market for projects that can deliver all the net benefits -- lower rate 6 7 pressure for our customers -- we can pursue that 8 through a separate proceeding; and it's not a

question, as I mentioned earlier, of whether or not 9 we can -- we should do something other than the 10 11 projects we're proposing. To test the market 12 concept is a matter of whether or not there are 13 other opportunities in addition to the projects that 14 we're proposing; and we can proceed down that path 15 in a separate process without jeopardizing the opportunity that's in front of us today for the wind 16 projects that we're seeking to pursue. 17

Q. (BY MR. DODGE) Mr. Link, your entire supposition there is hinging on the notion that this wind resource will start with the most economical option available, and then we can take other economical options too.

What if -- and you acknowledge this was a possibility -- what if there are other resources out there that would be disclosed by an all-renewable

1	Page 107 RFP that showed that more benefits and less risk
2	would come to customers than with your wind
3	proposal? That won't be disclosed in the 40 Docket
4	analysis unless we get those bids in the door, will
5	it?
6	A. I think what we're proposing is that if
7	there are more benefits, we can do those too.
8	Q. But you want to start with the assumption
9	that yours is the lowest cost, and you haven't
10	tested that market yet. What if it's not?
11	A. To clarify, I'm not referencing cost. I'm
12	suggesting
13	Q. Benefits.
14	A that the project provides benefits, and
15	as long as those benefits exceed the cost of the
16	project, that is something that we need to bring
17	forward and pursue.
18	Q. Let me put it
19	A. Parties can review that through dependency
20	of the other proceeding, but this is not a question
21	of an
22	Q. Now and there I challenge them, and I'm
23	going to ask you to use a simple analysis with me
24	a simple hypothetical.
25	Let's assume that all in the analysis that
1	

1	Page 108 is done by this commission and the 40 Docket shows
2	that the benefits to customers are and I'm going
3	to make up a number 50. Those are the benefits
4	to customers; so you're saying "Approve it. Look,
5	there are benefits to customers. Approve."
6	What if an all-renewable RFP produced a
7	set of resources that would have produced that same
8	benefit analysis showing 100? Now, you're saying,
9	"Well, we can pursue them again. We can pursue that
10	100, but let us do the 50 too." But there's only so
11	much resources you need, and it will be shown to be
12	economical. Isn't that accurate?
13	A. I'm suggesting that, in that hypothetical,
14	it would be beneficial for customers to experience
15	\$150 million benefit as opposed to a 50.
16	Q. No, I understand that. But when you do
17	the first one so you have add 1200- plus
18	megawatts of new resources into your system.
19	What is the analysis going to look like
20	for the next 1200 megawatts? The value will be
21	lower. The value proposition to customers will be
22	lower, because now you're not displacing these
23	front-market transactions. You are having to back
24	down wind resources you just added. The economic
25	analysis isn't has to be comparing each other or

1	Page 109 there's no comparison. Isn't that accurate.
2	A. I don't think that's the case. I think
3	there's sufficient need on our system. As I
4	mentioned in my summary of the testimony, I
5	highlighted that the 2017 agreement resource plan
6	shows a need in that, the wind resources were
7	proposing a part of our least-cost and least-risk
8	plan to fill that need.
9	Q. The need up until the time you guys
10	changed the RFP after the public process was over
11	showed only a need of front-office transactions and
12	renewable. Correct?
13	A. No.
14	Q. And a few megawatts of wind in Wyoming
15	without transmission. Right?
16	A. No.
17	Q. Well, I'm not going to get into detail of
18	that. We can go through that, if you want. It did
19	not show a need for 1200 megawatts on wind hearing
20	up until you submitted your post-public hearing
21	analysis for the first time. Right?
22	A. It did. I'm going to clarify. What I was
23	talking about was
24	Q. I missed that
25	A. What I'm talking about is the need, not's

1	Page 110 what's being used to meet the need; so the RFP shows
2	a need for resources. What the RFP is designed to
3	do is to evaluate what kind of resources can be used
4	to fill that need that you've identified on a
5	least-cost, least-risk basis. What I'm suggesting
6	here is that we have a need for resources,
7	essentially in the very first years of the IRP.
8	We assume there's availability of
9	front-office transactions or market purchases that
10	can be in place in the IRP. These wind resources
11	that we're proposing come online and defer those
12	purchases. They're offsetting those resources
13	those markets purchases and the all-in cost of
14	that new project for wind and the transmission, net
15	of the benefits, is lower than the alternative of
16	relying on those market purchases. We enabled
17	upwards of 1670 megawatts of capacity from
18	front-office transactions. Now, on the surface, it
19	may seem like 1100 megawatts of wind is a pretty
20	good, significant chunk of that 1670 megawatts.
21	However, the wind resources, or solar resources, or
22	other renewable technologies in an IRP only
23	contribute a percentage of their name-plate capacity
24	to what we call our planning capacity.
25	So, for example, on the 1100 or so
1	

	Page 111
1	megawatts of wind, as a 15 percent capacity
2	contribution, that equates to roughly 174 megawatts
3	capacity, subject to check on multiplying 15 percent
4	times 1100.
5	If you assume that there are 1670
6	megawatts capacity on the system that come to the
7	front-office transactions, there's sufficient need
8	to cover what we're proposing, and any additional
9	resource procurement to help build and offset those
10	purchases in the market that can be achieved through
11	a separate process.
12	Fundamentally, it's all about not
13	jeopardizing the opportunity that's in front of us
14	today.
15	Q. Let me ask it this way, Mr. Link. You are
16	resisting this.
17	If we were to do the identical economic
18	analysis you ran in this in the 40 Docket and
19	that you referenced in this docket showing net
20	benefits to customers, if you were to run that
21	identical analysis with another 1200 mega watts of
22	wind or solar anywhere on your system with the exact
23	same cost characteristics that you are proposing for
24	your wind resources, would the analysis be exactly
25	the same?

Page 112 1 Again, I'll go with net benefit analysis. Α. 2 If that additional 1200 somewhere else on the system 3 I'm -- would the -- I'm saying 4 0. No. No. would the economics of the next 1200 megawatts, if 5 its cost characteristics were identical, be 6 identical -- would show the identical benefits 7 you've shown in this docket, and in 40, once you've 8 added 1200 more megawatts of wind that are not 9 deferrable without backing down to zero-cost 10 11 resources, would the economic analysis be the same? 12 Α. Not necessarily. 13 Well, not -- it would necessarily not be ο. the same, would it not? And let's be honest here. 14 15 Would it not necessarily be different? 16 Not perhaps for the reason I think you Α. might be suggesting. There are different -- beyond 17 18 costs, there are different performance 19 characteristics of assets across the system. 20 Assume they are the same -- identical. Q. 21 Α. So I'm going to -- just can I confirm the 2.2 question? 23 0. Yes. 24 Α. You're asking me to assume a hypothetical 25 scenario for 1200 megawatts of 42 percent capacity

1	Page 113 factor winds adding in more.
2	Q. Let's say we added in Wyoming. Let's say
3	that analysis shows by spending another \$700 million
4	on transmission, we can net another 1200 megawatt of
5	identically priced and sourced wind that will meet
6	the PTC.
7	When you analyze that second (inaudible)
8	of 1200 megawatts, the economics are necessarily
9	going to be different if you assume the first one is
10	already in place. Correct?
11	A. They're going to reflect the combined
12	larger project at that point.
13	Q. No. Not combined. It's two different
14	projects.
15	You now take one as a done deal, and now
16	you're analyzing the next project, because that's
17	what you're proposing for this solar.
18	A. From an analytical perspective, it's one
19	project, and so it would produce whatever the
20	results are given the cost inputs and the benefits
21	from that hypothetical simulation, and if it
22	produced net benefits, we would proceed down that.
23	Q. That isn't the question. I guess you're
24	not going to give me an answer, but if you take the

1	Page 114 they are there. Pretend their built; and then you
2	analyze the economics of adding another 1200
3	megawatts of identically priced and sourced wind
4	onto a new transmission line at the exact same
5	price. The economics for that second project would
6	necessarily change, because you changed your
7	resource stack. You've now added zero-cost wind
8	resources that you are not going to defer. You're
9	going to be deferring something else.
10	MS. HOGLE: Objection. Asked and
11	answered.
12	And Mr. Dodge is testifying again.
13	MR. LEVAR: I think
14	MS. HOGLE: He's asked the same question.
15	MR. DODGE: I keep hoping to get an
16	answer.
17	MR. LEVAR: I think the question has been
18	asked and answered. I think the point is made on
19	this question.
20	I don't see a reason to force Mr. Link to
21	answer in additional ways.
22	MR. DODGE: Okay. I will move on.
23	Q. (BY MR. DODGE) If this commission were to
24	determine that it's in ratepayers' interest to know
25	that the initial resources we get are the lowest

	Page 115
1	cost, or if the commission were to determine that's
2	actually required by Utah law, one could reasonably
3	say, "We will take the risk of what you perceive as
4	a risk of not getting the transmission done in time
5	in exchange for knowing for a certainty that the
6	resources were acquired at the lowest cost."
7	Would you not agree that would be a
8	reasonable conclusion?
9	A. I don't agree. In fact, in my surrebuttal
10	testimony that I presented here live this morning, I
11	stated that, by expanding the scope of the RFP to
12	include all wind across the system, we are expecting
13	that that will allow the lowest reasonable cost
14	resources to respond to the solicitation.
15	Q. As long as it's not solar. Solar happens
16	to be the lowest cost. We won't know that, will we?
17	MS. HOGLE: Objection. Argumentative.
18	MR. DODGE: I'll move on. I apologize.
19	Q. (BY MR. DODGE) Mr. Link, PTCs are
20	attracted to the utility, because it comes with the
21	it comes with the production tax credit, but it
22	allows the utility to build put in rate base that
23	will defer purchases with no return.
24	Is that a fair statement?
25	A. PTCs are
1	

Page 116 The wind facilities with PTCs. 1 0. 2 Yeah. PTCs are actually a benefit to our Α. customers, because those get passed the credits --3 4 ο. I understand. 5 Compare -- there are ITCs for solar 6 resources. Right? 7 Α. That's my understanding. And with an ITC -- a solar resource -- as 8 0. 9 soon as you are completed, there's a 30 percent 10 reduction immediately to ratepayers -- correct? --11 if you were to build them, and if you were to 12 qualify for the ITCs. 13 Α. I don't believe that's correct. The ITCs are in the form of an investment 14 Ο. tax credit for 30 percent of the construction cost. 15 16 Right? 17 Its implications on rate base are Α. different than an initial up-front credit of 30 18 19 percent level. 20 Depending on who built it, but in any Q. 21 event, the resulting net cost to the developer is 22 30 percent lower with an ITC than with a PTC, 23 because of that production tax credit. Right? 24 Α. That's my understanding. And there's no risk to customers of the 25 Q.

1	Page 117 ITC. It's granted the day that the project is
2	completed and put into service, or it's you're
3	eligible from that point. There's no chance of
4	losing. Right?
5	A. I don't know for certain.
6	Q. With the PTC, the risk is just to the
7	ratepayer, is it not? For whatever reason your wind
8	is not producing like you project that it will if
9	it goes down and something goes wrong with it
10	those credits only come if as wind kilowatt hours
11	are different. Right?
12	A. PTC credit is assigned to the volume of
13	generation from a wind facility.
14	Q. Does that explain why the company is more
15	interested in wind than solar?
16	A. No.
17	Q. Because of rate-basing implications?
18	MS. HOGLE: Objection. Argumentative.
19	Beyond the scope.
20	MR. LEVAR: Do you want to respond to the
21	objection?
22	MR. DODGE: Pardon?
23	MR. LEVAR: Do you want to respond to the
24	objection?
25	MR. DODGE: I don't understand it.
1	

Page 118 1 I'm asking him is that a reason that they 2 prefer wind to solar, and he hasn't answered it yet. I quess I don't understand what the objection is. 3 4 MR. LEVAR: I think it's a relevant question to answer it within the scope of your 5 knowledge or opinion. 6 7 THE WITNESS: No. And the company doesn't have a preference for solar over wind. 8 We're 9 indifferent to the type of resource. What we have an interest in is pursuing projects that deliver 10 11 benefits for our customers. 12 What we're proposing, in fact, is to test 13 the market and explore opportunities to deliver just that; and so we're exploring a wind RFP, conditioned 14 on executing agreements only if those projects 15 deliver benefits, and we're perfectly fine with 16 pursuing a solar RFP if those projects can 17 demonstrate definite benefits for customers. 18 19 So I take issue with the assumption that we have a preference for wind over solar. It's all 20 21 about timing and making sure that we have the 22 opportunity, fundamentally, to produce benefits for 23 our customers. (BY MR. DODGE) And yet you're mightily 24 ο. resistant to the notion that your customers want you 25

1	Page 119 to do, and that is, check the market for other
2	resources too. You resist that. Right?
3	A. We're offering to
4	Q. Not at the same time. You say, "Only if
5	you give us what we want, we will look at what you
6	want you want."
7	You keep saying you represent the
8	customers, sir. Is there one customer group in your
9	six-state territory that's going to favor this
10	project yet? Do you know of one.
11	A. Off the top of my head, I'm not certain.
12	I guess the review process is ongoing in multiple
13	jurisdictions, and I don't think it's concluded
14	anywhere at this point in time.
15	Q. Customer representatives in Oregon
16	unanimously asked you to open it up to other
17	resources, did they not?
18	A. Can you clarify who you mean by "customer
19	representatives"?
20	Q. CUB. ICNU (phonetic)?
21	A. Citizens Utility Board did not comment at
22	all on the specific orders.
23	Q. ICNU (phonetic)? EMA (phonetic)?
24	Commission staff?
25	A. I can't recall their exact arguments. If

Page 120 you, presented it --1 2 Q. They both argued to open it up to non-wind-only resources, did they not? Open it up 3 4 beyond wind? And the commission -- Oregon Commission 5 Α. 6 approved the RFP as we proposed it. 7 0. No, I understand that. But you're sitting 8 here purporting to talk to customers, and I'm saying 9 your customers don't agree with you, do they? The office and the UAE here -- do you have any customer 10 11 groups that have said, "Yeah, we think it's a great 12 idea to keep a perspective"? 13 When I'm making reference to customer Α. 14 benefits -- calculating our revenue requirement -and that rate pressure goes down with the projects 15 16 that we're proposing. And they might go down further? 17 Q. 18 We're suggesting that they would. Α. We've been there. We've been there. 19 Q. Ι 20 don't want to go back. 21 You testified this morning recognizing 22 that the economics of this project is not per se at 23 issue in this document, you responded to those including UAE, who have argued that the benefits 24 here are speculative, and you took umbridge with 25

Page 121 1 that. 2 There are risks, are there not, associated with your -- the receipt of the benefits you're 3 4 projecting for customers for your project? Absolutely. There are risks with any 5 Α. 6 investment that would be made for a project that has an operating life of 30 years or so going forward. 7 8 In fact, fundamentally that's precisely why we run a bunch of scenarios and do risk analysis to determine 9 cost and benefits relative to those risks. 10 11 The risks include the possibility of cost Q. 12 overruns. Right? 13 Potentially. Α. 14 0. What if the U.S. were to drop the corporate tax rate to 20 percent? Would that affect 15 16 the economic analysis that you would do for this project? 17 18 Α. I don't know that we performed that 19 particular analysis. 20 And that concerns me. You know, our Q. 21 congress and president are talking about that today 22 as we speak, basically. Right? They're talking 23 about a 20 percent reduction in the corporate tax 24 rate. 25 And I go back to my opening comments, and Α.

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1	what we're asking the commission to approve here
2	today is the approval of the RFP and whether it's in
3	the public interest. Prudence review around the
4	risks, outcomes of the RFP will (inaudible).
5	Q. And yet you're the one who tried to
6	respond by saying the risks are not speculative.
7	My point is simply they are speculative in
8	the sense that you're assuming the analysis you
9	used assumes a much higher tax rate than what could
10	be the case in the future.
11	A. And if we have that information before we
12	get to the place in this project where we are
13	executing agreements, we have an opportunity to
14	pivot. A resource acquisition proposal the RFP
15	is not a commitment to acquire.
16	Q. I'm trying to point out you resisted the
17	notion that customers think that these risks are
18	somewhat speculative and risky. I'm trying to say
19	there are risks that customers have a legitimate
20	interest in knowing about. What if gas rates stay
21	very low and there's no CO2 tax? Your own analysis
22	shows that this will not produce benefits under that
23	scenario. Correct?
24	MS. HOGLE: Objection. Mr. Link has
25	already acknowledged that there are risks. I

1	Page 123 believe he's already responded to that question of
2	risk.
3	MR. LEVAR: And I think I'll say
4	generally, I think we are having a fair bit of
5	repetition, but I think that last specific question
6	on gas prices and CO2 tax is a new discrete
7	question; so I think that's an appropriate question,
8	but I do think, generally, we're having some
9	repetition.
10	THE WITNESS: Yes. So our economic
11	analysis identifies that there are risks. Like I
12	said, it's why we study different scenarios, and, in
13	fact, across the scenarios we looked at, nine of
14	them in aggregate from price of CO2 policy
15	perspective, seven out of the nine of those produced
16	net benefits for customers.
17	So a conclusion to this is that, yeah,
18	there are risks, but those risks are manageable, and
19	that the benefits outweigh those risks. We are more
20	likely we are more likely than not to exceed
21	benefits from this project, and the risk profile
22	changes over time.
23	Q. (BY MR. DODGE) I recognize that's your
24	opinion.
25	The company also gets significant benefits

Page 124 from spending two and a half billion dollars in 1 2 rates. Right? 3 What do you mean by "benefits"? Α. 4 ο. Increased rate base, increased return on That's a benefit to the company, is it 5 those rates. 6 not? 7 MS. HOGLE: Objection. Beyond the scope. He's talking about returns. Mr. Link did not 8 9 testify. There's nothing in his testimony about ROE 10 or anything like that. It's an inappropriate line 11 of questioning. 12 MR. LEVAR: Mr. Dodge, can you point to 13 where in the scope of his testimony that issue is raised? 14 15 MR. DODGE: Yeah. My point is he's repeatedly said this produces benefit for customers 16 and pretending that there's not something in this 17 for the utility. That's basic economics 101. 18 MR. LEVAR: Has he testified that there's 19 20 not a benefit to the utility? 21 MR. DODGE: No. But I'm asking if there 2.2 is, and he's resisted -- she's resisting and won't 23 even answer. 24 The question kind of goes MR. LEVAR: without saying, though, doesn't it? 25

1	Page 125 MR. DODGE: It does. But I guess I get
2	tired of people purporting to look out for customer
3	interest when I don't think they are, and so I want
4	to get at they're also benefiting. And that's
5	MR. LEVAR: In terms of the objection, I
6	will think about this.
7	Q. (BY MR. DODGE) Mr. Link, I don't think in
8	your testimony and excuse me if I'm wrong you
9	addressed an issue that UAE raised in its testimony
10	about eliminating the disqualification of bidders
11	that are in litigation with the company.
12	First of all, is it it is your intent,
13	as I understand it, to change that requirement
14	consistent with what the Oregon Commission ordered.
15	Is that right?
16	A. That's correct.
17	Q. And the Oregon Commission I will try
18	and paraphrase and you tell me if you disagree
19	with it basically said, "We're going to change
20	the threshold to \$5 million, and we're going to
21	require you to go through the Oregon IE before you
22	disqualify (inaudible)."
23	Is that a reasonable summary?
24	A. Yes.
25	Q. Why do you have a threshold at all? Why

Page 126 1 is litigation with the company something that would 2 disqualify a bidder who might produce lower prices 3 for ratepayers?

4 Α. It's -- I think it's a general protection. Because we get to choose, essentially, who we might 5 want to do business with. Accounting for all the 6 factors around the projects or the nuances of the 7 litigation that might be at play in any given 8 9 instance, but fundamentally there's inherit risk in 10 doing business with potential counter parties that 11 are known to be litigious and choosing to pursue 12 litigation against the company in any number of 13 forums.

I would highlight that, as of -- at least at the time we were in front of the Oregon Commission, there is no party with litigation in front of the company as it stands at that point in time. I haven't checked to see if, in the last few weeks that's changed.

Q. So you're representing that, as of today, unless a lawsuit's been filed in the last few days, there's nobody who would be disqualified by this requirement?

A. That's my understanding.

25 Q. So those who are currently in litigation

Page 127 with you before a public service commission is over, 1 2 tariff interpretation contract bites -- those don't fall within this restriction? 3 4 Α. We're looking at litigation separately from issues around safe complaints of commissions. 5 6 Q. Litigation seeking monetary damages in excess of \$5 million -- is that how you interpret 7 it? 8 9 Α. That's my understanding. 10 And will you agree -- UAE's 0. 11 recommendation, just so we're clear, is that be 12 eliminated, because although that may be a risk to 13 the company, you are shifting that risk to customers 14 that we don't get a lower bid. 15 But in an any event, if the commission 16 choses to leave that restriction in, are you representing that the same conditions that apply to 17 Oregon would apply here, including working with the 18 19 Utah independent evaluator to evaluate any potential disgualifications for litigation? 20 21 Α. Yes. 22 Q. And then, finally, you testified earlier 23 that you heard, generally, about concerns by solar developers recording solar panel tariffs. 24 25 Have you also heard developers complain

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1	about delays in PacifiCorp's transmission system
2	impact study and interconnection process that's
3	causing them to have be a risk of meeting their
4	commercial operation dates under the PPAs?
5	A. I'm generally aware, while I'm not part of
6	the PacifiCorp transmission team per se, that there
7	is a high volume of interconnection requests that
8	they that team is working through to produce them
9	as fast as they can.
10	Q. And you today said that you're willing to
11	relax that requirement, that it only be underway by
12	the time bids are submitted.
13	What about the requirement for when it's
14	done? This is no more within a bidder's control
15	than anything. It's completely within PacifiCorp
16	transmission's control whatever control they have
17	within the constraints of that how are you going
18	to deal with that issue that, if the process begins
19	but PacifiCorp transmission delays cause additional
20	delays in project development, how are you going to
21	deal with that?
22	A. Any definitive agreement that we'll
23	execute as a result of the RFP will have conditions
24	to ensure that all of transmission arrangements,
25	whether they be through interconnection transmission

1	Page 129 service, are met consistent with the proposal at the
2	time; so we're not requiring the process to be
3	necessarily completed, only that they're finished
4	prior to any close of any definitive agreements
5	prior to that result from the RFP process.
6	Q. And what time frame does that provide in
7	terms of when you hope to have definitive agreements
8	from the process?
9	A. We are looking to execute agreements I
10	think it's in April of 2018 and closing will be
11	dependent upon the actual winners of the final short
12	list of bids in the process.
13	Q. One final area, and I apologize to the
14	commissioners. I know I've taken more than my fair
15	share of the time here.
16	But you have today indicated that you are
17	opening up willing to open up the RFP to wind
18	resources, at least, that do not deliver into your
19	Wyoming Gateway D2 segment and its associated
20	transmission facilities. Right?
21	A. Yes.
22	Q. How will the transmission costs the
23	costs for those bidders to get power to the
24	PacifiCorp system be charged against those bids? In
25	other words, how will you deal with the cost of

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transmission to get it to the PacifiCorp system be dealt with in those bids?

3 Α. It would be specific upon what the bidders 4 propose in terms of their documentation with their proposal; so if there are any available system 5 impact studies proposed with those bids, we would 6 7 look to those analyses to identify any of the costs associated with the project, whether those be for 8 9 integration or connection transmission service or interconnection, and we'll require the bidders to, 10 11 just like we are for all proposals, identify the 12 difference between any direct assignment of network 13 upgrade costs assumed within their proposal.

Q. With the benchmarks, if I understand your proposed RFP and evaluation correctly, you do not propose to include the cost of new transmission segments required to deliver the benchmarks to the transmission line -- to the new transmission line -until you get to the short list of (inaudible).

Is that a correct statement?
A. The network upgrades required to get the
projects -- or the transmission compliant to get the
projects essentially to the Aeolus to Bridger line
will be incorporated into the analysis. The broader
transmission project -- the Aeolus to Bridger

1	Page 131 transmission investment will be incorporated into
2	the final short list when all wind projects that
3	require that very line to interconnect will be
4	assigned to the entire portfolio, and we're
5	assessing whether or not the in aggregate, the
6	project provides the net benefit to customers that
7	we're targeting.
8	Q. So two levels I need to understand there,
9	again.
10	So if I'm a wind developer bidding
11	somewhere else on your system, you're saying, if
12	there are network upgrades required for the
13	interconnection, you want to know that, and that
14	will, presumably, be charged as part of the cost or
15	require the bidder to bear it right? in your
16	analysis. Correct?
17	A. Correct.
18	Q. When you're doing your benchmark
19	resources, one of your benchmarks requires an X-mile
20	230 KB line that doesn't currently exist to get to
21	the new D2 segment.
22	Will those costs be included in the
23	benchmark analysis prior to short-listing?
24	A. As part of the short-list process, yes.
25	Q. No. Prior to short list; so in other

1	Page 132 words, you'll be comparing before determining the
2	short list, you'll add those costs into the
3	benchmark cost?
4	A. Yes.
5	Q. And then what you're saying is if but
6	you're not going to add to those that do connect to
7	the D2 line additional costs for that line until you
8	do the overall analysis.
9	But how does that, then, show a fair
10	comparison with people that deliver somewhere else
11	that don't require the construction of that line?
12	A. We'll have to look at the projects as they
13	come in. At this stage, I don't know what type of
14	bids are going to come into the system. That kind
15	of answer really requires us to know exactly where
16	they're interconnecting. Are they connecting
17	through a third-party transmission provider? Where
18	are they delivering their output to our system
19	across the broad transmission system that we have to
20	establish what type to costs to assign the project?
21	And I'll highlight that we will work and
22	coordinate and ensure that those costs are reviewed
23	internally and also with the independent evaluator
24	before we lock any of those in to process them.
25	Q. So if there were a set of bids that could

1	Page 133 completely displace the need for the new
2	transmission line in Wyoming, you're saying that
3	will be taken into account in comparing the bids
4	that are and are not delivering to the D2 segment?
5	A. Our intent is to take into account all of
6	the transmission cost comparatively for any resource
7	bid that's proposed into the RFP.
8	Q. Okay. Thank you. Appreciate your
9	indulgence.
10	MR. DODGE: I have no further questions.
11	MR. LEVAR: Okay. Thank you, Mr. Dodge.
12	Ms. Barbanell?
13	MS. BARBANELL: Thank you.
14	EXAMINATION
15	BY MS. BARBANELL:
16	Q. I have one question.
17	So given your answer to Mr. Dodge's
18	question about litigation and clarification that you
19	made that it is intended really only to address the
20	(inaudible), are is PacifiCorp willing to make
21	that clear in the RFP? As it's currently written,
22	it's unclear what it applies to; so with that
23	clarification, is that something you are prepared to
24	make that that does not apply to complaints before
25	the PSC?

Page 134 I think we can do that. 1 Α. 2 Q. Thank you. 3 MS. BARBANELL: Nothing further. 4 MR. LEVAR: Okay. Thank you. Any redirect, Ms. Hogle? 5 MS. HOGLE: I wonder if now would be a 6 good time to take a lunch break. I don't know how 7 long my redirect is going to be. 8 9 MR. LEVAR: Okay. I think that be appropriate, then. We can reconvene at 1:00 10 11 o'clock. I think we'll go to redirect at that 12 point. 13 Just to let everybody know, I think the next thing we'll do is speak with Mr. Oliver. 14 15 I assume you'd like to get your testimony in this docket on the record in answering questions 16 any of the parties have. 17 Is that a safe assumption? 18 I have a constraint MR. OLIVER: Yes. 19 20 too. I have to leave tomorrow morning very early. 21 MR. LEVAR: Okay. Well, I think we'll 2.2 plan, then, to go to you as soon as we're finished 23 with everything with Mr. Link and then go forward from there. 24 25 Thank you.

Page 135 So we're in recess until 1:00 o'clock. 1 2 (Lunch recess.) 3 MR. LEVAR: Okay. We are back on the 4 record. 5 I'll just comment -- just had a 6 conversation with the court reporter. It is important for us to have a good transcript of this 7 8 proceeding. The transcript cannot recognize two 9 people talking at once; so we need to make sure we don't talk over each other. 10 11 Also, there's some of us --I think I'm at 12 the top of this list -- I have a tendency to trail 13 off at the end of a sentence; so let's try not to do 14 that so that our transcript be accurate. That is 15 important for a lot of reasons. 16 And at this point, I think we're to Ms. Hogle for redirect of Mr. Link. 17 18 MS. HOGLE: Thank you. 19 FURTHER EXAMINATION 20 BY MS. HOGLE: 21 0. Mr. Link, do you recall Mr. Moore's series 22 of questions about Oregon's conditional approval, 23 noting in particular the December 2017 date? 24 Α. Yes. And so, to your knowledge, is Oregon's 25 Q.

Page 136 conditional acknowledgement delay issuance of the 1 2 2017R RFP? 3 No, it does not. Α. 4 ο. Okay. Mr. Dodge questioned you about the EverPower complaints. Do you recall that line of 5 6 questioning? 7 Α. Yes. And he asked you about in particular 8 Q. 9 pricing and project deliverability for the EverPower wind projects. Right? 10 11 Α. Yes. 12 Q. And is it your understanding that the 13 testimony he was crossing you on was about solar 14 project pricing. Is that correct? 15 Α. That's correct. Okay. And so is the pricing of wind 16 Q. comparable to the pricing of solar? 17 18 No. The two types of resources get Α. 19 completely different types of pricing based off 20 their resource attributes. 21 0. And do both of the cases that Mr. Dodge 22 brought up -- and those would be the EverPower and 23 sPower -- involve QF projects? 24 Α. Yes. In your experience, is execution of a PPA 25 Q.

Page 137 a reliable predictor of whether a QF will achieve 1 2 commercial operation -- the QF project? Α. No, not necessarily. There are many QF 3 4 projects. I think I said -- I may have indicated earlier where they execute a PPA and they never 5 achieve commercial operation. 6 Later on, Mr. Dodge questioned you about 7 0. studies and showing that any solar to the RFP would 8 make the timeline untenable. Do you recall that? 9 10 Α. Yes. 11 Do you know how many megawatts of solar Q. 12 projects are in the company's interconnection queue? 13 Α. Not so much around the interconnection queue. I am familiar with the solar projects in the 14 qualifying facilities where pricing queue --15 certainly in that arena there's -- I don't have the 16 exact number. I'm confident in saying it's over 17 18 4,000 megawatts. 19 ο. So let's assume that all of those projects or maybe just even half of them bid into the RFP --20 21 or ARP. 22 How much additional time would it take for 23 your group to analyze those bids? 24 You know, subject to up to further Α. validation, but at a high level, it would probably 25

	Page 138
1	at least add a month and a half to two months of
2	evaluation time to process all of the individual
3	projects in, say, that pricing queue.
4	Q. Thank you.
5	MS. HOGLE: That completes my redirect.
6	Thank you.
7	MR. LEVAR: Thank you, Ms. Hogle.
8	Ms. Schmid, any recross?
9	MS. SCHMID: No.
10	MR. LEVAR: Mr. Moore?
11	MR. MOORE: No. Thank you.
12	MR. LEVAR: Mr. Longson?
13	MR. LONGSON: No. Thank you.
14	MR. LEVAR: Mr. Dodge?
15	MR. DODGE: No thanks.
16	MR. LEVAR: Ms. Barbanell?
17	MS. BARBANELL: No. Thank you.
18	MR. LEVAR: Okay.
19	Mr. Clark, do you have any questions for
20	Mr. Link?
21	MR. CLARK: I do. I do thank you.
22	Good afternoon, Mr. Link.
23	Following up on your most recent
24	testimony, am I safe in concluding, then, that the
25	impact of extending the RFP to solar so that it

Page 139 would include wind and solar, for example, would be 1 2 the one and a half to two months of additional 3 evaluation of the solar bids. 4 Does that capture the -- all of the critical path criteria? 5 6 THE WITNESS: That's just the evaluation piece; so a month to month and a half -- sorry --7 month and a half to two months to just accommodate 8 9 the studies to price those out and price wars. I think there's additional time up front 10 11 in the RFP itself where we would also have to make 12 edits to the RFP with the IE, in doing so develop 13 our technical specifications for solar bids and then 14 also make sure that we have gone through our pro 15 forma contracts related to solar proposals; so 16 roughly, let's say that could add a month or so to the front end of the process before we could even 17 issue it. 18 Then we would issue it, and then once the 19 20 bids came in, it would take us an additional month 21 and a half to two months or so to process those 2.2 bids. 23 MR. CLARK: And the implications of that 24 delay with regard to the production tax credits we talked about this morning -- we heard some testimony 25

1	Page 140 about that this morning tied to that is the
2	Wyoming CPCN proceeding. Correct.
3	THE WITNESS: That's right.
4	MR. CLARK: And that is can you
5	enlighten me a bit about the schedule for that
6	proceeding.
7	THE WITNESS: Sure. I think what's
8	critical about the CPCN schedule and there is a
9	procedural schedule. There's a docket open with the
10	Wyoming Commission similar to the proceedings in
11	front of this commission, whereby we will provide
12	supplemental information in that proceeding that
13	essentially covers the RFP results the same type
14	of analysis that we produced but now with market
15	bids and actual projects that were selected to the
16	final short list and that of course provide benefits
17	that are criteria of the entire process.
18	Once that information is provided in
19	January, then parties will have on opportunity to
20	review that information, and ultimately we're
21	seeking a conditional CPCN from the Wyoming
22	Commission.
23	After that filing accounting for time
24	for hearing and then ultimately an order from the
25	Wyoming Commission in the April I think it's

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1	Page 141 March to April time frame it's important that we
2	receive that conditional CPCN, which would be
3	conditional on the acquisition of rights-of-way at
4	that point in time so that then we could proceed
5	with acquiring the rights-of-way necessary, because
6	we can't begin construction on the transmission
7	project in Wyoming until all of the rights-of-way
8	are procured across the entire path. And the
9	rights-of-way process is important, because it may
10	it accommodates the potential need, if needed,
11	because, of course, something we wouldn't pursue is
12	go down the path of eminent domain and all of the
13	processes that might be involved with that.
14	MR. CLARK: What's your planning estimate
15	for the rights-of-way acquisition process.
16	THE WITNESS: I believe we're planning to
17	wrap that up within and it really depends a
18	little bit on how that proceeds with regard to
19	whether or not we need to use eminent domain, and so
20	we've scheduled it to accommodate that, if required;
21	and I think that gets us into the early part of
22	2019. We can then start to begin the construction
23	process across three seasons. There's a seasonal
24	element to when we can construct in Wyoming. 2019
25	and 2020 is when the construction period will begin.
1	

1	Page 142 MR. CLARK: We know from the your
2	testimony about the acquisition of equipment
3	associated with executing this strategy that, at
4	least as of the fall of 2016, this plan was taking
5	shape.
6	And so could you explain, again, for me
7	why the participants in the IRP were only
8	enlightened about that with your with the filings
9	you've made here, basically.
10	THE WITNESS: Sure. So in that time
11	period the 4th quarter in 2016 we were seeing
12	initial results from IRP portfolio (inaudible). And
13	my supplemental direct testimony includes a table
14	that generally summarizes our findings there, and I
15	think, importantly, we were seeing 2- to 300
16	megawatts of Wyoming wind consistently showing up
17	throughout all of those portfolios, strongly
18	indicating a likelihood that, somewhere down in the
19	final IRP process, we would end up with some up
20	amount of wind in the preferred portfolio that would
21	be cost-effective as part of our least-cost,
22	least-risk plan.
23	At that point in time, we had not yet
24	developed the transmission sensitivity that
25	ultimately led to increased volume of wind in the

1	Page 143 IRP portfolio; so in the fall of 2016, we simply had
2	enough evidence to secure the option, fundamentally,
3	on behalf of customers to potentially be able to
4	procure wind resources that would qualify for 100
5	percent of the PTC, but the amount of purchase that
6	we made really doesn't cover the full amount that
7	could come out of the RFP as we're currently
8	proposing it.
9	We've, essentially, purchased 14 turbines,
10	and that just essentially covers the 5 percent on
11	the anemic value for one of the other resources.
12	The remaining balance is coming from rights
13	contractual rights that we negotiated with the third
14	party, which we have developed the rights the
15	other benchmark resources the ability to use
16	their safe harbor for those projects.
17	As these sensitivities were prepared,
18	which started in the first quarter of 2017 to
19	evaluate the benefits of potentially subsegments of
20	the Gateway project, we saw an increase in the
21	amount of wind that would show up in those
22	scenarios, and, essentially, we were just trying to
23	communicate with our stakeholders as these were
24	developing in real time what we were finding.
25	So parties were aware that were
1	

Page 144 1 participating that there was wind showing up in 2 every one of the portfolios we were producing in the 3 4th guarter of 2016. As soon as we were running the 4 sensitivities that produced additional wind and additional benefits with the transmission, we 5 happened to share those with our stakeholders, and 6 it was generally in the March -- late March or early 7 8 April time frame to the public input meeting process 9 that we have.

10 We were, essentially, providing those 11 study results and those findings in real-time, but 12 to try to be transparent with the IRP stakeholders 13 to let them know we were running these cases. 14 Here's what we're finding. We're going to continue 15 to assess this as we finalize the IRP prior to 16 filing.

That was the intent of the communications 17 -- was really all about sharing virtually in 18 real-time what we were finding as a result of the 19 20 studies we were preparing. There was no time at the 21 end of the 4th quarter in 2016 where we had already 22 devised some sort of plan that included the projects 23 that we currently see in the preferred portfolio. That specific project, based upon analysis performed 24 25 in the 1st quarter of 2017, was developed at that

1	Page 145 point in time and shared with parties at that time.
2	MR. CLARK: Regarding the potential for
3	completing the wind turbine construction and
4	interconnecting it to the existing transmission
5	facilities in some form, you I think you respond
6	to question from Mr. Dodge that that could not be
7	accomplished, and I wonder if you'd explain why.
8	THE WITNESS: Sure. I need to clarify. I
9	think the intent is that it's possible to qualify
10	get the wind projects commercially online and to
11	qualify for production tax credits. It's just that
12	the risk profiles are different between the
13	bright-line safe harbor equipment purchase versus
14	relying an alternative of relying on continuous
15	construction, which requires case-by-case assessment
16	from the IRS to assess that. Whether the project
17	will ultimately qualify for PTCs, and if that's
18	really our contingency would be considered a
19	contingency.
20	MR. CLARK: Am I right that what you'd
21	need to demonstrate to maintain qualification is the
22	interconnection-related delay that's referred to in
23	the letter. Is that correct.
24	THE WITNESS: One of those delays and then
25	once that delay occurs, still reverting back to a

1	Page 146 continuous construction; so the proper evidence on a
2	project that, in 2017, what steps documented more of
3	was the company taking to complete construction?
4	Same for 2018 and 2019 and so forth; and that's
5	really, I think, where there IRS could look and
6	suggest or make some judgments that are not as
7	bright-lined as the safe harbor equipment purchase
8	and determine whether or not that standard was met.
9	MR. CLARK: Okay. And then back to what
10	my original question, just related to the
11	existing transmission, is there no way to achieve
12	interconnection of these new wind turbines to the
13	existing facilities.
14	THE WITNESS: That's correct.
15	MR. CLARK: And help me to understand why
16	that is.
17	THE WITNESS: Sure. While I'm not a
18	transmission expert, I've had this conversation with
19	our transmission expert several times; so I qualify
20	my response with that caveat up front.
21	But essentially
22	MR. CLARK: I should qualify my ability to
23	understand the response too.
24	THE WITNESS: Okay.
25	MR. CLARK: We'll both labor together on

Page 147 this. 1 2 THE WITNESS: We are prepared in that 3 regard, then. 4 So, essentially, today's transmission system is at full capacity. We've, essentially, 5 needed new transmission in this part of the system 6 for some time; and really this project is a 7 situation where we can capitalize on the PTCs for 8 9 the wind to help pay for the transmission and make it cost effective. 10 11 But fundamentally at issue here, this is a 12 230 kV system, and the other end of the transmission system in this part of Wyoming, there is a 13 considerable amount of existing wind generation and 14 essentially two coal-fire power plants. That's 15 largely the construct of the generation. 16 17 Depending upon the loads in that part of 18 the system and the amount of generation that's being produced at any given point in time, there are --19 20 there's potential for voltage issues -- instability 21 related to voltage problems that can require us to 2.2 take action on the system so that we can manage effectively within the reliability (inaudible). 23 24 And so at this point in time, looking at the interconnection queue, there are studies on 25

Page 148 1 PacifiCorp's oasis segment -- lists the system 2 impact studies for resources in this region. All of 3 the projects, just to receive interconnection 4 service on the line, identify the need for some component of the Energy Gateway projects to be 5 rebuilt. It's not at issue, and it has to do with 6 7 the voltage issues. Additional generation on the system will push that voltage issue to a level where 8 9 it is no longer stable and can't meet the standards; and so the studies are being prepared that 10 11 demonstrate and show that and require those 12 investments to be made just to interconnect. It has nothing to do with transmission service or the flow 13 of electricity across the line. Just to 14 15 interconnect with the system, it will require 16 investment in Energy Gateway elements. 17 MR. CLARK: And, finally, regarding the interchange that we heard that related to the south 18 -- or Gateway South and whether or not the IRP has 19 20 examined solar and augmenting segments of that South 21 Gateway system, can you give me a little more detail 2.2 about that. 23 And so are we talking about Red Butte to 24 Sigurd, which has already, you know, been serviced

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for a few years? What -- what kinds of transmission

25

Page 149 availability is there? What would need to be 1 2 augmented to enable solar participation potentially 3 in either the RFP of in an additional process that 4 you alluded to this morning? The Energy Gateway South 5 THE WITNESS: 6 component of the Energy Gateway project essentially goes from southeastern Wyoming down across the 7 eastern half of Utah into --8 9 MR. CLARK: To Mona? 10 THE WITNESS: To Mona. 11 MR. CLARK: Is that -- okay. Okay. Well, 12 all right. 13 THE WITNESS: That path, which also, I think, has the record of decision -- permitting for 14 15 these projects has been going on for quite some 16 time; so those are, in the end, which is a big risk 17 factor that's crossed out -- is there. 18 I think there are potential additional 19 constraints in the Utah transmission system to move 20 power from southwestern, or let's say or southern 21 Utah up north to the load centers. This Energy 2.2 Gateway South component does not necessarily -- may 23 not satisfy cutting power -- moving across 24 additional constraints from south to north in Utah. 25 And as I mentioned earlier, our

1	Page 150 sensitivities in the IRP were intentionally focused
2	on the types of transmission projects that could be
3	used to come online within a certain time frame.
4	Additional permitting and other projects may be
5	needed to evaluate other or new transmission
6	construction projects different and separate from
7	segments or subsegments of the Energy Gateway
8	project that were not explicitly analyzed in the
9	IRP.
10	MR. CLARK: Thank you. So as you
11	referenced Gateway South earlier, it was a reference
12	to the Aeolus to Mona piece that's
13	THE WITNESS: Yes.
14	MR. CLARK: part of the
15	THE WITNESS: I should clarify it is not
16	Signature Red Butte. It is not Signature Red Butte.
17	It's separate.
18	MR. CLARK: Thank you. That concludes my
19	questions.
20	Thank you very much.
21	MR. LEVAR: Thank you. Commissioner
22	White?
23	MR. WHITE: I want to refer you to for a
24	second to the RMP Exhibit 4 that was introduced this
25	morning. Let me just start by saying I recognize

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1	Page 151 that, you know, Oregon's, you know, regulatory
2	framework is distinct and nuanced in different ways
3	than Utah's in various ways, but, you know, if you
4	look at Page 2, it talked about approval condition
5	with hierarchy acknowledgement, and I'm not going to
6	try to put words in their mouth, but it sounds like
7	what their basic idea was they're concerned about
8	missing on what you're characterizing as a
9	time-limited opportunity; so they're essentially
10	saying we'll get a second bite of the apple and have
11	a new IRP process.
12	One question I had is going forward in
13	terms of additional information that's going to be
14	at hand at that time. For example, will there be
15	updated solar prices that will inform that IRP at
16	that point that parties will have the ability to
17	evaluate in the context of this RFP?
18	THE WITNESS: No, there wouldn't be. The
19	acknowledgement process referenced in the Oregon
20	Commission's order is really associated with the
21	2017 IRP filing that we made in April; so on
22	April 2nd, that document is the same IRP we filed
23	here with this commission through Oregon goes
24	through its own review process upon filing, similar
25	to the process that occurs in Utah, and that's

r	5 150
1	Page 152 really what they are referring to. There's no
2	change in the document. It's just the parties'
3	review of the study's analysis presented in that
4	April 2nd filing and then whatever additional
5	comments that are made back and forth with different
6	parties that the commission will ultimately consider
7	in establishing their acknowledgement order on the
8	specific action items laid out in that April of 2017
9	IRP.
10	MR. WHITE: And harkening back to this
11	earlier discussion or proposal, I guess, is the
12	company discusses, I guess, an alternate solar RFP.
13	Help me understand the timing of that. I mean
14	and let me back up a step here to help you
15	understand why I'm asking that.
16	I mean, one difference between Oregon's
17	statutory framework and Utah's is that we have this
18	these factors to consider, and so I'm trying to
19	understand in terms of efficiencies and what makes
20	most sense for parties to give the company the right
21	information to go forward.
22	How are we getting the best information in
23	the 40 Docket to make the right decision? So, for
24	example, in this alternative RFP proposal, would
25	that be will we have the benefit of information

Page 153 1 from that alternate proposal? Is that going to be 2 completely distinct, you know, after the fact of 3 this RFP?

4 THE WITNESS: You know, I'd say a little bit of it is uncertain. I think our proposal to 5 pursue an alternative path in the realm of solar 6 resources is one in which we want to work with the 7 parties to establish what that really means in terms 8 9 of the requirements -- how much to ask for, the types of review on pro forma contracts or a PPA that 10 11 hasn't yet happened in this proceeding because we 12 haven't closed solar -- and make sure that we're 13 coordinating with parties, not only here but maybe 14 across other parts of the system.

15 I think that can all be done relatively 16 quickly depending on the scope of that process, and by "relatively quickly," I'm thinking as soon as a 17 18 couple of months. As I mentioned earlier, I think we could have a draft of a second parallel path RFP 19 20 to target solar resources that addresses pro forma 21 contracts and other issues. Parties would review 22 and comment, and then, you know, go through the very 23 similar process as we did here to give comments on that process and potentially proceed. 24

25 I don't think it's a scenario where we

	Page 154
1	actually have results in the final short list from
2	that process by the time we are looking at
3	supplementing the record in the 40 Docket with the
4	wind resources from this RFP, but I go back to our
5	intent in either process, whether it's the wind-only
6	type of structure we're proposing, or the end of our
7	parallel process of looking at solar is really
8	fundamentally driven by this cost-effective
9	principle that we would only pursue or execute
10	projects that deliver ultimately add economic
11	benefits for customers that we could use to
12	demonstrate the value to proceed with.
13	MR. WHITE: And when, presumably, you are
14	going to go forward with the separate process, I'm
15	assuming you'd do the same types of, you know,
16	IRP-esque analysis with an SO and the PAR and the PB
17	and RR, et cetera, and all those modeling.
18	I guess my question is and I apologize
19	by confusing concepts here but would in terms
20	of resource to act, would it be the assumption that
21	there'd be I guess I'm wondering would those be
22	considered to be procured the current wind in
23	this RFP if that goes forward, would that be
24	considered in other words, would that be the, I
25	guess, the what do you call it? cost or value

	Page 155
1	of those potential new solar acquisitions?
2	THE WITNESS: In the part of the process
3	where we've already received the wind resource bids
4	we have a final short list since January. We
5	haven't yet completed the analysis, let's say, for
6	solar, but that's coming on the heels I think in
7	that instance, it's safe to say that the analysis
8	would be affected by the wind resources and
9	transmission. I can't say without the specifics
10	around those projects directionally where that would
11	go. There's scenarios where resources added in a
12	supplemental or separate RFP process could actually
13	improve as a result of having the wind in the
14	transmission in the system and vice versa.
15	One concept to consider in that is the
16	wind resource and the solar resource. There's more
17	diversity added to the system with the wind that
18	we're adding that doesn't match the same profile as
19	the solar. Those inherently tend to provide
20	ultimately benefits to projects that would come
21	online after that; otherwise we
22	So there are pros and cons to it. It's
23	very difficult in advance to assess whether or not
24	that would occur.
25	In the dialog I had earlier, I also
1	

1	Page 156 mentioned that we have a need in the IRP, and these
2	resources are going to help, and I think I just
3	want to drive home that the magnitude of that can be
4	quite large, that, you know, mention FOTs the
5	market purchases we made are assume to be up to
6	1600 roughly megawatts in any given year.
7	Capacity contribution for the wind projects are 174,
8	offsetting that 1600 or so possibility, and solar
9	projects generally double the capacity contribution;
10	so even at an 1100 megawatt level, that's about 400
11	megawatts. Right? So we're now at with the new
12	wind 174, maybe around 400 or so megawatts of
13	capacity contribution.
14	None of that has even gotten close yet to
15	fully deferring or offsetting market purchases at
16	the level of 1600 megawatts.
17	So just to highlight that there's
18	sufficient capacity in the system to accommodate so
19	long as the benefits are there ultimately a large
20	component of renewable projects, whether that comes
21	from wind or solar.
22	MR. WHITE: That's all the questions I
23	have. Thank you.
24	MR. LEVAR: Okay. Thank you. I don't
25	have any further questions.

Page 157 I think we would like to request if 1 2 possible that Mr. Link remain available in case 3 there's a need for follow-up questions, depending on 4 the rest of the testimony. Is that a problem with his travel or 5 schedule otherwise? 6 No. That's fine. 7 MS. HOGLE: 8 MR. LEVAR: Okay. Thank you. 9 Our next witness will be Wayne J. Oliver, represented by counsel. 10 11 I'll work with you to get your testimony 12 on the record. 13 Mr. Oliver, first off, I'll swear you in. WAYNE J. OLIVER, 14 15 called as a witness at the instance of Rocky Mountain Power, having been first duly sworn, was 16 examined and testified as follows: 17 MR. LEVAR: Okay. Would you describe for 18 19 us your business, the contract under which you are 20 here in this docket and your role as independent 21 evaluator? 2.2 THE WITNESS: Yes. I came by the 23 commission to serve as independent evaluator for the 24 wind 2017 RFP solicitation for PacifiCorp that was 25 done through a competitive process, and we submitted

Page 158 1 a proposal and were selected to serve as the IE. 2 We have served as the independent 3 evaluator on three or four other PacifiCorp 4 solicitations over the years. And then you issued a report, 5 MR. LEVAR: which is part of the record in this proceeding. 6 You've also filed rebuttal testimony. 7 I'll just ask in the room is there any objection to 8 entering his rebuttal testimony into the record as 9 10 sworn evidence? If anyone has any objection or 11 concern with that, please indicate. 12 I'm not seeing any; so I guess my motion 13 is granted. Mr. Oliver, do you have any -- would you 14 like to summarize your testimony, or I don't know if 15 16 you have anything prepared, but feel free to if you'd like to. 17 THE WITNESS: Yes. I'll just briefly 18 summarize my testimony, and I would also like to 19 20 supplement my testimony, if that's possible, to 21 clarify my position on a few issues raised by other 2.2 witnesses and addressed in this proceeding today, if 23 that's okay. 24 MR. LEVAR: Yes. Surrebuttal was allowed 25 during the hearing; so anything you'd like to add in

1	Page 159 terms of surrebuttal, please do so.
2	THE WITNESS: Okay. Thank you very much.
3	Well, the purpose of my oral testimony is
4	to respond to the Commission's order on August 22nd,
5	2017, to determine whether the RFP will mostly
6	likely result in the acquisition, production, and
7	delivery of electricity at the lowest reasonable
8	cost to the retail customers of electric utilities
9	located in the state.
10	In my testimony, I discussed my
11	conclusions and recommendations based on the report
12	of the independent evaluator regarding PacifiCorp's
13	draft renewable request for proposals, which we
14	submitted on August 11th. My testimony also
15	identifies the overall role of the independent
16	evaluator and the solicitation process, thoughts
17	about our experience as serving as independent
18	evaluator in over 75 solicitations in 20 states and
19	3 Canadian provinces that go back to 1989 in a
20	number of different types of solicitations,
21	including all sorts of information, generation of
22	renewable resources, storage, that type of thing.
23	I also discussed my recommendations and
24	the fact that PacifiCorp has accepted most of the
25	recommendations that we had provided in our report

1	Page 160 going back to the August 11th report and also
2	Mr. Link had given some of the recommendations we
3	made in that rebuttal testimony as well.
4	And if I could move on to, I guess, a few
5	clarifying points that I had. You know, we did
6	basically recommend that, in terms of the contracts
7	that PacifiCorp allowed us to provide, instead of
8	just the red line of a contract, separate comments
9	that they view to be important with regard to the
10	contract. We look at it as a way of facilitating
11	the review of those contracts, and Mr. Link
12	indicated this morning that PacifiCorp has agreed to
13	that.
14	We also talked about the ten-year
15	extension option and the fact that it's a ten-year
16	extension and, of course, a 30-year contract could
17	trigger capital lease accounting issues. It was
18	argued that it made sense to at least the
19	performance data that they should be very
20	familiar with that with, you know, those
21	implications; but I've seen a lot of other
22	solicitations we've been involved in recently where
23	accounting rules have been changing, and I'm finding
24	some conflict between how the utilities are
25	reviewing these the assessments of these

1	Page 161 contracts and how the bid is viewed.
2	And that's why it's for renewable
3	contracts but or at least has been for renewable
4	contracts and certainly for convention generation
5	contracts and resources.
6	But it could be an issue here because of
7	the longer term contracts and suggested to be
8	basically to put everything underneath the playing
9	field to be consistent with the term of the
10	evaluation which is 30 years.
11	Let's move forward. I just want to make
12	I'd just like to clarify my positions on a few
13	issues regarding the RFP structure in light of the
14	comments of the parties to the proceeding.
15	Obviously, the focus of this process is to
16	assess whether the process will most likely result
17	in the acquisition of resources at the lowest
18	reasonable cost to consumers; and certainly the
19	ideal situation will be to perform a comprehensive
20	market test through an all-source solicitation, and
21	that's the one area where we can, you know, evaluate
22	all different types of resources at the same time.
23	The issue, however, in this case is that
24	an all-source solicitation, in my view, would
25	require a longer process. We've been involved in

1	Page 162 recently in several all-source solicitations that
2	are taking up to a year to complete; so that does
3	add, really, a month or so to the beginning front
4	end; maybe two months to the back end.
5	And I know we are talking now about solar
6	solicitation, but I think in the comments that were
7	filed by witnesses, the focus seemed to be more
8	all-source solicitation; so (inaudible), but
9	anyways, the all-source solicitations can be quite
10	complicated, because we're finding we have to really
11	go back to the bidders and solicit feedback to
12	really understand what type of products they're
13	bidding.
14	If the RFP is further delayed and the
15	process takes longer than currently planned, it may
16	be a real challenge to complete the solicitation
17	process with adequate time to take full advantage of
18	the PTC benefits for wind projects as soon as
19	possible given the lead time associated with any
20	transmission project.
21	Again, you know, it's my experience in
22	dealing with the solicitations, and, you know,
23	working on these projects that transmission is the
24	key issue, and the time frame for developing and
25	getting a transmission project approved can take
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	Page 163
1	quite some time. I think that's that is the long
2	lead time item here in the critical path item, and
3	certainly I don't think, you know, we talked about,
4	you know, all this it could be time to you
5	don't loose the PTCs if the transmission line is not
6	built on time, but what happens if the generation is
7	built and the transmission is delayed two years?
8	You're sitting there with a, you know, wind
9	generator that can't build out to the line.
10	That's what we're dealing with this
11	issue in another RFP in Massachusetts where wind
12	projects and hydro projects are linked to
13	transmission, and it's a very large issue to ensure
14	that these projects are linked together and are
15	built at the same time, if possible.
16	It seemed to me that, if the solicitation
17	process that PacifiCorp has offered today and I,
18	you know, mentioned that as an option based on
19	issuing this RFP at this time for wind resources
20	only and a separate RFP for other renewable
21	resources as soon as practical is not
22	unreasonable and provides a significant opportunity
23	to test the market and assess the potential system
24	benefits associated with other renewable resources.
25	Ideally, if this solicitation can be done,

1	Page 164 you know, in conjunction with a wind solicitation
2	and at least provide some, you know, some initial
3	information on pricing for those types of resources,
4	I think would add a lot of value to the overall
5	process.
6	A wind-only RFP for the entire PacifiCorp
7	system as PacifiCorp now agrees to and as we
8	proposed earlier really provides, I think, the best
9	opportunity for a more robust and competitive wind
10	solicitation process and should result in a
11	reasonable market test for wind resources.
12	I do want to raise one clarification
13	issue. PacifiCorp's August 18, 2017 reply comments,
14	PacifiCorp stated on Page 7 that the company agreed
15	with my proposal to allow bidders to offer either a
16	30-year PPA term or a 20-year contract with up to a
17	10-year extension option. Several witnesses
18	testified that bidders should be allowed to offer
19	30-year contracts. Perhaps I misinterpreted
20	PacifiCorp's intent, but I expect I expect it
21	based on PacifiCorp's reply comments that a 30-year
22	contract term option would be allowed for bidders,
23	you know, with a caveat that the bidder should
24	assess the accounting implications of a 30-year
25	contract; and I suggested that the RFP allow theirs
1	

Page 165 1 to submit either a 30-year contract option or a 2 20-year contract plus a ten-year extension at 3 PacifiCorp's discretion. 4 And that's all I have at this point. MR. LEVAR: Okay. Thank you, Mr. Oliver. 5 6 MR. OLIVER: Thank you. 7 MR. LEVAR: Ms. Hogle, do you have any questions for Mr. Oliver? 8 9 MS. HOGLE: No questions. 10 MR. LEVAR: Ms. Schmid? 11 MS. SCHMID: No questions. 12 MR. LEVAR: Mr. Moore? 13 MR. MOORE: Just a few questions. Just a few questions, Chairmen. 14 15 EXAMINATION 16 BY MR. MOORE: Mr. Oliver, may I direct your attention to 17 Q. 18 Page 9 and 10, Lines 188 to 198 in your rebuttal 19 testimony. You state -- and I'm paraphrasing here -- that other utilities have made a push for wind 20 21 resources due to PTC benefits; however, your 22 testimony does not indicate whether these utilities 23 you mentioned have similar solar resources as Utah and have had a similar vetting process or require 24 25 hundreds of millions of dollars in transmission

Page 166 1 upgrades. 2 Could you address the similarities or lack 3 of similarities? 4 Α. Well, first of all, I'm not sure what the situation is with solar resources on these systems, 5 but I have heard that from -- specifically from one 6 of the subsidiaries of American Electric Power that 7 they're basically proposing to build a transmission 8 9 system link to wind generation as well. It's my understanding that the Public 10 11 Service of Oklahoma -- it's been reported in the 12 press that they have acquired development rates for 13 wind projects from AM Energy, I believe, and that they're proposing to build up their systems to 14 accommodate that wind. 15 16 Xcel Energy -- I know that their affiliates -- they have a number of subsidiaries 17 that have issued and released RFPs recently, I 18 19 believe, but again (inaudible). 20 May I direct you now to Page 4, Lines 67, Q. 21 68, 80-81 of your rebuttal testimony. 2.2 Α. Could you repeat those lines? I'm not 23 sure if I'm --24 ο. Are you --25 Is it 67 and 68? Α.

Page 167 1 0. Are you on Page 4? 2 Α. Yes. Line 67, 68, unless I've made a mistake. 3 Q. 4 Α. It says "the primary responsibilities of the IE are listed..." 5 That's right. 6 Q. 7 Α. Okay. And Page -- Line 80, 81, and I'm 8 Q. 9 paraphrasing here. 10 This testimony states that, pursuant to 11 Utah Code Section 54-17-203 (sic), one of the 12 responsibilities of the independent evaluator is to 13 render an opinion on whether the process is in compliance with the Utah Code and Regulations." 14 15 Is this your testimony? 16 Α. But there's an error there. Yes. Ιt should be "in compliance with." 17 "In compliance with." Thank you. 18 Q. 19 Α. There's a space between. 20 In recording on your opinion as to whether Q. 21 the solicitation process is in compliance with the 22 applicable code sections and regulation is an 23 inherent part of your report and your rebuttal testimony. 24 25 Do you agree with this statement?

1	Page 168 A. Yes. And when I define "in compliance
2	with," I, you know, reviewed the requirements of the
3	Utah Code of Regulations as it referred to what the
4	utility is soliciting to that is listed in the
5	solicitation is required to do to be in compliance
6	with the Code. It talked about a number of things
7	that had to be accomplished, and that's the basis of
8	my statement.
9	Q. May I direct your attention to Page 5, 85
10	to 100. Are you there?
11	A. 85 says "Solicitation process." Is that
12	
13	Q. I'm sorry. That's a mistake on my part.
14	How about 94 to 96?
15	A. Okay.
16	Q. You state "My overall conclusion is that
17	the draft RFP document in process" whoops.
18	That's not what I wanted.
19	Oh, 80 98 to 100. I was correct in the
20	first sentence:
21	"However, under the structure of the draft
22	RFP, it is not certain at this time if the
23	solicitation process will lead to the acquisition
24	and delivery of electricity at the lowest reasonable
25	cost to retail customers."

1	Page 169 And on Page 13, Line 261 to 265, you state
2	"Whether the RFP would most likely result in the
3	acquisition, production, and delivery of electricity
4	at the lowest reasonable cost to retail customers,
5	the potential benefits to customers and the ability
6	of the process to meet the public interest
7	requirement will not be known at the time of the
8	issuance of the RFP."
9	Is this still your position?
10	A. Yes. I mean, those results will, you
11	know, ideally what you want to do is design an RFP
12	that, you know, would, you know, likely lead to
13	those results, but you're not sure whether those
14	results are going to, you know, generated until you
15	go through the process.
16	Q. I'm going to hand you a copy of the
17	commission's August 22nd, 2017 order. I'm not going
18	to make this an exhibit because it's in the record,
19	but I'll pass out copies.
20	May I direct your attention to the last
21	sentence on Page 2 of the order. In the first
22	sentence of Page 3 of the order where it states "The
23	Commission must find a decision to limit the RFP to
24	a wind resource so apparently satisfies the lowest
25	reasonable cost standard that it warrants bypassing

1	Page 170 the opportunity to test the decision on the open
2	market against other bidders who might have chosen
3	to bid a different resource type."
4	Do you see this language?
5	A. Yes, I do.
6	Q. Given this, your opinion at the time of
7	the RFP, you will not know if the RFP satisfies the
8	lowest reasonable cost standard. As a matter of
9	logic and semantics, it is not possible for you also
10	to state that the decision to limit the RFP to wind
11	resources so apparently satisfies the lowest
12	reasonable cost as it warrants bypassing the
13	opportunity to test the decision in the open market
14	against bidders who might choose a different
15	resource type." Isn't that correct?
16	A. Well, as I mentioned as I stated in my
17	comments just, you know, a few minutes ago, the
18	ideal situation would be to find a comprehensive
19	market test through a solicitation. I mean, that's
20	consistent with, I think, this process.
21	However, not all solicitations are, you
22	know, all solicitations are target solicitations
23	based on unique, you know, cases in the market and,
24	you know, this is a unique case.
25	So I think when you, you know, when you're
1	

1	Page 171 looking at when I'm looking at a solicitation,
2	I'm looking at (1) does it provide a does it
3	generate a reasonably robust process and a
4	competitive process? Does it are the products
5	clearly defined? Is the criteria defined that, you
6	know, how to bid the process, and, you know, you
7	want to make it is transparent as possible.
8	Like I said, not all solicitations are
9	going to be all-source solicitations. If that's
10	going to be, you know, if and I'd go back also to
11	the fact that, you know, PacifiCorp has offered to
12	follow-up this RFP with a, you know, with another
13	RFP for solar, which will which even then won't
14	satisfy what you're saying here, because it's not
15	comparing against other resources other renewable
16	resources or conventional resources.
17	And the all-source solicitations I'm
18	working on are including, you know, conventional,
19	renewable, demand response, storage resources
20	those take a long time to develop and implement and
21	finalize, and then you have to get approval before
22	the end results come out; so they're long lead-time
23	processes that would not really fit into this
24	process as far as I'm concerned.
25	Q. Isn't it true that you mentioned in your

1	Page 172 testimony that there will be times during this
2	process that, if the public interest does not seem
3	to be met, the process can be terminated?
4	A. Yes. I mentioned the potential affects.
5	Q. Yes. It's true, isn't it, that if a
6	wind-limited resource is terminated for lack of
7	robust solicitation for some of the reasons, the
8	consumers may lose the opportunities of the economic
9	benefits that could have been obtained from a
10	solicitation that included solar resources?
11	A. That's not that's not my understanding
12	from what I heard today. It sounds like PacifiCorp
13	has offered to issue an RFP for solar or other
14	renewable resources.
15	MR. MOORE: I don't have any further
16	questions.
17	MR. LEVAR: Thank you, Mr. More.
18	Mr. Longson, do you have any questions for
19	Mr. Oliver?
20	MR. LONGSON: No questions. Thank you.
21	MR. LEVAR: Mr. Dodge?
22	MR. DODGE: Yes. Thank you.
23	EXAMINATION
24	BY MR. DODGE:
25	Q. Mr. Oliver, in your report, Page 61, you
1	

1	Page 173 include a recommendation in the top
2	recommendation on there, and I won't review the
3	whole thing. Excuse me. In the bottom
4	recommendation on Page 61, it talks about the
5	eligibility provisions.
6	Near the end of that paragraph you say
7	further down you agree with the division's
8	recommendation to eliminate the limitations of the
9	Wyoming restriction and say that will allow a
10	determination whether or not the proposed facilities
11	are economic and provide value to customers. Right?
12	A. I'm sorry. I'm just having trouble
13	finding this.
14	Q. The very last sentence on Page 61
15	starts with "This," and I'll just represent to you
16	that "this" is referring to your recommendation to
17	remove the Wyoming restriction.
18	A. Maybe we are on different pages. I'm not
19	sure.
20	Q. You are not in your report?
21	A. I'm in my report, but I'm not sure if it
22	syncs up exactly with
23	Q. It must have printed differently.
24	So it's under "Recommendations." I don't
25	know what page on yours. The last Section 7 is

Page 174 "Conclusions and Recommendations." 1 2 Α. Right. Right. On mine, that's on Page 59. 3 Q. 4 Α. If you could tell me which 5 recommendations? The third bullet recommendation. 6 Q. Yes. It 7 starts with "Merrimack Energy is also recommending." 8 Α. Okay. Okay. 9 Q. So now, when you start by saying you've recommended that the eligibility requirements can 10 11 stand -- and you talk about a few that I'm not right 12 now focused on -- then you say you agree with the 13 division that the Wyoming restrictions for wind resources should be removed. And I'm focused on 14 your last sentence. "This," meaning, removing that 15 16 Wyoming wind restriction, "will allow PacifiCorp to determine if its action plan for 1270 megawatts of 17 wind generation combined with construction" blah 18 blah -- will -- "are economic and provide value to 19 20 customers." 21 Did I paraphrase that well enough? 2.2 Α. Yes. 23 0. So, basically, my -- your concern was if they didn't expand it beyond just the Wyoming land, 24 there would be a question when that could be 25

Page 175 1 delivered and there would be a question whether or 2 not that would be economic and provide value to customers. Right? 3 4 Α. Right. Yeah. That's basically the point 5 there. I mean, some way of assessing whether or not 6 that resource option is providing value. How do you measure that value? 7 8 And you -- you heard, I think, today, Q. 9 suggestions from Mr. Link that that is value just basically by showing that it's less -- it's more 10 11 economical than the other proposal the state has 12 quoted for projections. 13 But you are adding a different component, 14 not just comparing what their proposed costs are for the wind resources and transmission with the status 15 quo but also comparing what the market tells you 16 about something. Right. 17 18 Well, I guess there would be another issue Α. here. For example, if, say, 600 megawatts are 19 20 selected from outside of Wyoming. You know, does 21 that make this project, you know, the flow of 2.2 transmission system in Wyoming not economic? 23 Q. Right. 24 Α. Now you've got other -- less volume 25 flowing through that system.

1	Page 176 Q. Yes. And I suspect those are issues still
2	to be addressed if that turns out true.
3	The point I was making is you weren't
4	ready to accept in your report that just testing the
5	company's projections against this alternative
6	projections for the status quo is enough to
7	demonstrate quote, "are economic and provide value
8	to customers." End quote.
9	You were looking for the market to give
10	some confirmation of the facts by expanding the pool
11	of bidders it could bid in. Right?
12	A. So yes. I think, you know, the robustness
13	of the market is one factor that you want to look at
14	and how are other bidders pricing their product, but
15	I, you know, think I think it does go back. I
16	wasn't, you know, you look at alternatives, you
17	know, but, you know, we were looking at primarily at
18	wind-only RFP.
19	Q. And I do understand now.
20	And then in your rebuttal testimony and
21	I'll refer to Lines 201 and 204, and hopefully the
22	lines much up. Well, actually, 200 through 204, I
23	guess.
24	There, you said you're paraphrasing in
25	your report "I propose that wind projects that do
1	

1	Page 177 not necessarily have to connect to the proposed
2	Aeolus to Bridger transmission facilities or
3	demonstrate that they could deliver the power to
4	Wyoming should be allowed to bid."
5	Again, so that's going back to the record
6	that you were just talking about. "That
7	recommendation was based on my concern that there
8	may not be a sufficient response from eligible wind
9	bidders located in or delivering power to Wyoming."
10	Again, your conclusion was and remains,
11	does it not, that market testing and the company's
12	assumptions is important to determine whether value
13	is being delivered to customers.
14	A. Market testing or, in this case, you know,
15	vetted through the IRP.
16	Q. Right. But because the IRP won't have
17	vetted it by then, you're saying that's why you
18	needed the market test. Right?
19	A. Well, I think it's a combination of both
20	in this case, and it seems to me like the, you know,
21	the IRP will at least have addressed these issues at
22	that point. So I'm not sure if the IRP means
23	vetting needs to be improved, but at least there
24	will, you know, be some assessment through the IRP
25	relative to these resources.

Page 178 1 Okay. I understand what you're saying. 0. Ι 2 didn't read that -- what you said in your testimony -- but I understand what you're saying, and I accept 3 4 that. So despite kind of your notion that "we 5 need do some market testing beyond just economic 6 modeling to see whether or not benefits supposedly 7 exceed cost," you concluded that you didn't think 8 9 this needed to be opened up to all sources or even just solar; and if I read your testimony right, your 10 concerns there are primarily based on timing 11 12 concerns and circumstances in chasing, you know, the 13 PTCs. 14 And based on your conclusion, the targeted solicitations are reasonable and (inaudible). 15 16 Is that a fair paraphrase? And based on and to a point, I 17 Α. Yes. 18 think, it is based on my concerns that I raised 19 right from the very beginning about the timing of transmission and generation. 20 21 0. Sure. So first of all, let's start with 22 the fact that targeted solicitations may be reason 23 and they may be done by others. Did you read the RFPs that you referenced 24 from the -- in your testimony? Did you actually go 25

Page 179 look at those solicitations? 1 2 Α. I read though the solicitations very quickly. I don't think (inaudible). 3 4 ο. The RFPs that I found online all require 5 that the delivery be in the Mycell territory. Is that your understanding? 6 I'm not certain. 7 Α. And they are for wind-only PTC chasing and 8 Q. RFPs for delivery into service territories of these 9 utilities in Michigan, Minnesota, North Dakota, 10 11 South Dakota, Wisconsin, Iowa. 12 Are you familiar with any other states 13 where they are saying they will accept these wind 14 resources? No, not for these specific solicitations, 15 Α. 16 but I know the companies that are generally located in those areas; so they, you know, they deliver to 17 their subsidiaries in those areas. 18 19 0. Sure. Have you ever looked, by chance, at 20 a solar map of the country where the solar resources 21 are on the map? 2.2 Α. I've done many solicitations in California 23 _ _ 24 ο. Sure. 25 -- and Arizona and Hawaii. I'm pretty Α.

Page 180 familiar with those. 1 2 Q. Probably none in Michigan, Minnesota, North Dakota, South Dakota, Wisconsin or Iowa, is my 3 4 quess? 5 Α. No. 6 Q. That's not a solar --7 There are other types of resources in Α. those states. 8 9 ο. No, I understand that. But in those states, they would have no reason today, if they're 10 11 doing an RFP-targeted -- excuse me -- a PTC-targeted 12 RFP to think that maybe an investment tax credit --13 world class solar facility might be able to compete, because they are not in a solar area -- in the 14 15 strong solar area like Utah and surrounding states 16 are. 17 There are other states that I would Α. 18 consider not strong solar areas, and I don't -- I 19 don't know the dynamics in those areas. I haven't 20 done RFPs over in that area recently but, you know, 21 I mean, I'm seeing solar built in a lot of different 2.2 states. 23 0. Oh, sure. They're building in Alaska and Utah as well. 24 In Massachusetts and --25 Α.

1	Page 181 Q. My point is my point is you said it's
2	other util you concluded it's reasonable to
3	target an RFP and pointed to utilities in northern
4	states in plains states, northern and eastern
5	state northeastern states they're doing so.
6	Wouldn't you expect that, if any of those
7	states had a reason to believe that there were
8	available ITC-based solar resources that would be
9	competitive with the PTC-based wind, that they might
10	have expanded into that?
11	A. I don't know. But I know I'll tell you
12	I've been involved in wind-only RFPs in Arizona.
13	Q. And is does Arizona have a statutory
14	requirement that the RFP itself has to be shown to
15	lead to the lowest cost resource?
16	A. Well, the RFPs have to be vetted through
17	the commission through the utility's planning
18	process.
19	Q. I understand through a planning process,
20	but are you familiar with have you you've read
21	I know you have the Utah Resource Procurement
22	Act. Right? The one that which is being
23	procured. It's fairly unusual, is it not, in that
24	it offers preapproval so the prudence can never be
25	changed down the road if the utility goes through
1	

Page 182 certain steps, including the RFP step and the 1 2 resource procurement analysis step. You're familiar with that. Right? 3 4 Α. Yes. And I -- you know, every state has a 5 different process. 6 Q. Can you think of any state that has a similar process that you've dealt with? 7 8 MS. HOGLE: Excuse me. I'd just like to 9 interject here. I'm not sure -- I'm going to lodge 10 an objection. I'm not sure what Mr. Dodge is 11 getting at. I think he's gone around and around and 12 around, and I'm not sure what the point of Mr. 13 Dodge's testimony is at this point and what he's try to accomplish; so I lodge my objection based on the 14 15 fact that he's testifying, basically. MR. DODGE: Frankly, I'm at a loss how to 16 respond to that. My job isn't to keep Ms. Hogle 17 18 clued in to where I'm trying to go. It's to ask relevant questions. If she's saying I haven't 19 20 answered her question, I think that's an objection I 21 can respond to; but I don't think I have to -- she 2.2 has to understand where she thinks I'm going. I think -- I think Mr. Oliver 23 MR. LEVAR: 24 has answered your questions on other state statutes. 25 He appears to have answered that to the extent of

Page 183 his knowledge, and I think -- I don't see anything 1 2 in your line of question that you can't continue in the direction you were going. 3 4 MR. DODGE: It was simply is he aware of 5 any other state that has a Utah approach to -- an RFP has to be approved showing that the result will 6 be consistent with three sources and that it will 7 8 then be approved with no chance for prudence challenges after. 9 10 Q. (BY MR. DODGE) So that's my question. 11 Are you aware of any state that has that 12 requirement? 13 I can't think of any specifically offhand, Α. 14 subject to checking on the state regulations. 15 So wind-targeted RFP in one state might be Q. reasonable. It may or not be reasonable in another 16 state with different statutory requirements or 17 opportunities. Would you agree with that? 18 19 Α. I don't see what the statutory climate has to do with the timing of an RFP. I guess that's --20 21 and I can't make that link. 22 Q. Let me try and help you, and you tell me 23 if you disagree. In Utah, the statute requires this 24 commission -- and they've expressed some concern 25

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1	Page 184 over whether they can do that based on prior
2	records, at least to find to reach a find
3	that this RFP is most likely to lead to the
4	procurement among other things of (inaudible).
5	With that statutory requirement, that may
6	be different in applying that RFP targeted RFP as
7	reasonable under such circumstances.
8	Would you agree with that?
9	A. Yes. I agree with that statement.
10	Q. Now, back to the first point you made.
11	Again, I asked you and you confirmed you were not
12	recommending it to be open to all sources or even
13	just to solar both because of the fact that you find
14	targeted RFPs reasonable, and secondly, based on the
15	unique circumstances.
16	I think you were here earlier for
17	discussions by Mr. Link, and looking at the Exhibit
18	that I viewed from Mr. Link, can you confirm whether
19	it's your understanding that if the wind resources
20	are completed in time, and the only reason they're
21	not delivering kilowatt hours to the grid is because
22	the transmission project is delayed, is it
23	consistent with your understanding that the IRS says
24	that's an "excusable situation" that allows you not
25	have to meet that won't throw you outside of the

1	Page 185 requirement if you continuously construct the
2	resource?
3	A. Well, this is a risk today was the
4	first I heard that specifically, but, you know, like
5	you said, you look at a situation. What happens if
6	the transmission is not built but the wind is built,
7	and it could be two years down the road or more, and
8	those production tax credits may not be valuable, or
9	the if you have to go before the IRS to get
10	approval, that may not that's another issue.
11	I don't I don't see this as black and
12	white, I guess, because, you know, then we're
13	involved in situations with transmission that, you
14	know, (inaudible) going to complain. Right? You
15	know, customers have to pay for costs for, you know,
16	for generation facilities that are not completed; so
17	there's all those issues that come into play with
18	the, you know, the transmission and generation, and
19	that's that was that's still my big concern
20	about, you know, the need to, you know, the timing
21	of this issue, because I think, you know, the ideal
22	situation is going to be that those projects are
23	done together.
24	Q. Let's explore that.
25	So if the transmission isn't completed for

	Page 186
1	two years after the wind is completed, even if the
2	RFP is approved as is, that won't change that risk,
3	will it? And this RFP approval as is or being
4	expanded to include solar isn't going to drive
5	whether the transmission line is two years late, is
6	it?
7	A. Well, it's but it's, again, if you're
8	if you're going to the route you're looking at
9	going, you know, to expand to solar, I think it has
10	more risk if the transmission line wouldn't be
11	completed.
12	Q. How so?
13	A. Because the timing of the of the
14	application process and, you know, in Wyoming and
15	the time frame that's been laid out for this whole
16	thing, and I think, like I said, the transmission,
17	in my experience, transmission generally takes
18	longer than you anticipate.
19	Q. No question that it does. My point is if
20	the solar if the RFP were expanded to solar and
21	more economical projects were not in line, we
22	wouldn't even be talking transmission; but if it
23	turned out those are still the most economical, by
24	Mr. Link's estimate it would have delayed it a few
25	months? That doesn't suggest a 2-year delay in
1	

r	D 100
1	Page 187 transmission, does it?
2	A. But but if on the other hand, if by
3	extending the, you know, ending the RFP to solar, it
4	does, you know, cause, you know, the these
5	projects not the wind projects not to be
6	able to get built is something to take advantage of
7	the PTCs, you know, there's a big loss of benefit
8	there as well; so you're looking at it from both
9	sides.
10	Q. If the PTC is lost, but we started earlier
11	by saying the IRS has made very clear that, if what
12	delays your completion is interconnection, that's
13	excused. Right? So if it's the interconnection, we
14	don't have a risk, do we?
15	A. Well, I don't know that. I don't know
16	that, because I think, you know, I think it's still
17	uncertain. I can't imagine that the IRS is going to
18	allow a transmission project to be delayed multiple
19	years and and still still provide production
20	tax credits. I think
21	Q. Who's talking a couple of years here
22	related to this RFP issue?
23	A. But, you know
24	Q. There's no connection.
25	A. Well, I'm just I'm just throwing that

	5 100
1	Page 188 out as an example. I mean, I don't know how long
2	it's going to take. I think, like I said, I think
3	I think transmission is on a long long lead
4	time. It's a long lead time. I don't know how long
5	it's going to take. Certainly, it's not unusual for
6	transmission projects to get delayed multiple years.
7	Q. Right. Probably not because they decided
8	to add solar to the RFP. Right?
9	A. No. What that does is, like I said, that
10	changes the schedule. It changes the approval
11	process.
12	Q. I understand. At the end of the day, you
13	understand your job here is to look after the
14	interests of Utahns. Right?
15	A. My my job here is to look after the
16	interests of consumers. That's
17	Q. And that's what I'm doing too.
18	And so if you if your proposal goes
19	forward and it is not expanded to other resources,
20	and if it turns out that we then procured higher
21	cost resources, you haven't done your job and
22	neither have I, have we?
23	A. Well, that's like I said. We'll find out
24	as we go along. You know, there's offramps.
25	Q. There's offramps, but you won't know what

1	Page 189 the solar numbers are in time to take those
2	offramps. We heard today that January is the date
3	by which we have to do the short list, and by April
4	they've got to have contracts.
5	Are you telling me we'll have another RFP
6	with solar in time to stop that process if it's less
7	expensive and comparatively head-to-head?
8	If you're telling me that, then I may have
9	a different view of what your recommendations are.
10	I might
11	A. I don't know I don't know what the
12	schedule is. I mean, I can it sounds like
13	there's a possibility that we'll at least see the
14	bids the solar bids or the all-renewable bids.
15	Q. In the past, the company has proposed in
16	2018 to issuing them that they'd be open to
17	issuing them. If that were to happen, how long do
18	you think the process would take before you had bids
19	that had been vetted through the IE process and be
20	able to compare it head-to-head with the proposal?
21	Just make a guess for me.
22	A. Well, I mean, you know, if it takes two
23	months to issue the RFP, and, you know, and if it's
24	marketed properly, you know, where you start
25	informing bidders that this RFP is coming out so
1	

1	Page 190 that they're aware of it, you can probably turn
2	around and get a response pretty quickly.
3	Q. Let's say that you go down this road that
4	you're proposing, and it turns out that you won't
5	have done the evaluation or even created a short
6	list for the solar resources until, say, July of
7	next year, will you be are you prepared to commit
8	that you will recommend to this commission they hold
9	up approval of any of the wind resources so they
10	could be compared head-to-head?
11	A. I think it's hard to say at this time. I
12	don't know what the exact situation is going to be
13	with the transmission approvals. There's a lot of
14	moving parts a lot of variables in this process,
15	and, you know, I mean, one of my roles as IE is to
16	keep the commission informed of what's going on. We
17	write monthly status reports, and those status
18	reports definitely inform as much as we can what's
19	actually happening so that everyone is aware of the
20	time frame.
21	Q. You accept that the consumers are the ones
22	that are going to take the risk if this process
23	proceeds without testing the broader market, at
24	least the solar market, and it turns out that was a
25	cheaper resource, then we lose the opportunity to

Page 191 1 get in wind resources. 2 Do you understand that's a risk that consumers are taking? 3 4 Α. Well, I'm hoping it's not a risk consumers 5 are going to pay, because there's benefit -- if 6 there's benefits, consumers will get benefits to 7 this process. 8 Q. Well, you didn't listen to my assumption. 9 I said if, in fact, the wind resource process proceeds and is approved -- and the resource 10 11 is approved and now you can never challenge the 12 prudence again before you have a whole and realistic 13 opportunity to compare those resources to what we 14 could have gotten through the solar -- if that happens, it's consumers that will bear the burden of 15 16 that higher cost resource. Is that not true? 17 I'm not certain how that would pan out. Α. 18 0. It's also consumers who will potentially 19 bear the risk of a couple -- three months' delay in completing the transmission if that were to happen 20 21 and the ability to demonstrate to the IRS that that 22 construction is continuing throughout the process. 23 That's also a risk we would take if they slow it down. Right? 24 Unless -- I don't know. 25 Α. I'm not sure. Ι

1	Page 192 don't know. I mean. I don't know what, you know,
2	what, I think I would assume that there's, you know,
3	some opportunities to basically, you know, disallow
4	those costs if they're not preapproved.
5	Q. And we can have a discussion about what
6	preapproval means, but I won't go through that now.
7	You said you were a little confused
8	because parties proposing all purpose or all
9	source RFPs and now we're talking about solar
10	UAE was one of those who proposed an all-source RFP,
11	and I suppose, had the company accepted that, we'd
12	be way down the road in getting that to the market.
13	Today, because they resisted that, we
14	don't have an RFP issued. I don't I haven't seen
15	any evidence in this document that conventional
16	resource pricing has changed significantly since the
17	IRP analysis was done last year; so maybe could that
18	be a reason why you are not seeing people pushing
19	for an all source RFP now, because they don't have
20	any reason to think gas or coal or geothermal
21	projects again have dropped dramatically in price?
22	A. I'm responding to what I read in the
23	comments, which was all of it, and the market seemed
24	to be all source.
25	Q. Sure. Well, and you admitted that's the

ideal circumstance, and you retest the market, and
 you really get the lowest cost resource available.
 Right?

4 If that slows it down dramatically as opposed to a few months for solar only, do you see a 5 reasonable argument that the solar expansion is in 6 the consumers' best interest, because it won't slow 7 it down by years, and it will allow evaluation of a 8 9 resource, for there's evidence in the testimony in this docket that the prices dramatically dropped, 10 11 from what the company said.

A. Well, if it's solar only, certainly, it
makes, you know, it makes the process a bit easier,
yes.

15 Q. Let's move to a different subject.

16 You addressed, I believe, in your 17 testimony in court some of the risks that customers 18 face with a company build versus a BPA, and you came 19 up with ways to try and address that.

20 One of the risks I think that you 21 acknowledged was -- and you said it here today --22 the construction of the transmission line risk in 23 putting the marbles in a transmission line -- cost 24 overruns, time delays, all of that. Right? 25 A. Right. And like I said, transmission is a

1	Page 194 long lead time. That's what I said.
2	Q. And I don't know what how much of a
3	transmission expert you are, but do you also see
4	litigation risk related to transmission? There's
5	testimony in this docket that the company may or may
6	not be complying with the procedures assumed under
7	Appendix K planning for this resource or
8	discrimination in other context.
9	
	Does that risk factor in any way to your
10	evaluation of customer risk with self-build versus
11	PPAs?
12	MS. HOGLE: Excuse me. I object to that
13	line of questioning. He's
14	(Telephonic interruption.)
15	MR. LEVAR: Would you start over.
16	MS. HOGLE: Mr. Oliver doesn't know about
17	litigation risk. It calls for speculation. Perhaps
18	legal conclusion, legal interpretation.
19	He's not a lawyer.
20	MR. DODGE: If that was perceived as
21	asking a legal question, I will withdraw it, but I'd
22	like to try another one to find whether if he did
23	that evaluation. That's the question I'm asking.
24	MR. LEVAR: What describe for me the
25	question you're trying to

	Page 195
1	MR. DODGE: The question is in his
2	evaluation of risk for a company-build benchmark
3	with transmission versus PPAs, did he take into
4	account the risk to customers of litigation over the
5	way in which the company has handled its
6	transmission analysis of proposing it?
7	MR. LEVAR: Whether he considered that
8	litigation?
9	MR. DODGE: Did he take that into account?
10	MR. LEVAR: I think that's a fair
11	question.
12	THE WITNESS: I didn't I didn't take it
13	into account, specifically, for this project. I,
14	you know, I was aware of the different type of risks
15	that have occurred in other transmission projects.
16	Q. (BY MR. DODGE) And then the last issue
17	that I wanted to ask you about is you indicated that
18	you are recommending that bidders be allowed to bid
19	in a 30-year PPA, and I appreciated that
20	clarification, or a 20-year with a 10-year option.
21	You also say that the parties the
22	bidders should be told that tax implications will be
23	considered.
24	Having sat in this room over many years,
25	having litigating over the tax implications of these
1	

Page 196 types of bid versus self-builds, how will that be 1 2 taken into account in evaluation? If the company has one position, I guarantee my experts will have a 3 4 slightly different one. 5 How are you going to take that into 6 account? 7 Α. Well, we've said to the company, which they accepted, and I've been involved in this issue 8 in several recent RFPs, and I'm not -- I can't --9 I'm not an accountant. I'm not sure what the right 10 11 answer is, because it's so complex, and the rules 12 are evolving. It's very difficult, and you're 13 right. Deloitte will disagree with Price Waterhouse; so the issue is that that's why my 14 15 suggestion was at least the bidders recognize and do some research. I've seen bidders that have no idea 16 17 what the implications are of, you know, like a 30-year PPA; so at least just put them on notice 18 that they should, before they bid -- they should at 19 20 least do their own due diligence to make sure they 21 fully understand what those implications might be. 2.2 And we've asked the company to put in a statement in the RFP, which they have done, that 23 says that, if the company decides to, you know, 24 eliminate any bidders for, you know, violating the 25

1	Page 197 requirements for accounting requirements, that they
2	have to, you know, basically draft up their basis
3	for that and provide it to the IEs.
4	Q. And you will you will let this
5	commission know and the parties know if parties are
6	disqualified over that issue
7	A. Yes.
8	Q even if they otherwise were
9	A. Yes. I had one case where the utility was
10	going to and I'm not an expert but the utility
11	was going to eliminate a bidder because they felt
12	that the bidder was, you know, was basically in a
13	trigger-release provision, and that was against what
14	they said in the RFP, and they were going to
15	eliminate them; and I said, "Wait a minute". This
16	was a cogeneration project, and I said, "I don't
17	know if you" and I gave my reasons why I thought
18	they should be looked at and vetted again to see if
19	they, in fact, should be eliminated or if they would
20	qualify.
21	So the utility went out and actually hired
22	Deloitte, and Deloitte came back and said, "No.
23	They're not in trigger." So they didn't eliminate
24	them. They ended up signing the contract; so it's
25	that's why I suggested at least, you know,
1	

Page 198 1 putting the IEs on notice who could review it and, 2 you know, get back to them and say, "You know, we 3 have some issues with this. Here's what we 4 suggest." Q. 5 Thank you. 6 MR. DODGE: That's all my questions. 7 MR. LEVAR: Okay thank you. Ms. Barbanell? 8 9 MS. BARBANELL: Thank you. 10 EXAMINATION 11 BY MS. BARBANELL: 12 Q. Afternoon, Mr. Oliver. 13 Α. Good afternoon. 14 0. In the commission's August 22, 2017 order, it stated that, "neither the DPU nor the IE make 15 specific recommendations with respect to the RMP 16 selection of resource type. This lack of any 17 recommendation comprised part of the concern that it 18 has an insufficient record before it to make 19 findings of fact pertinent to that decision by Rocky 20 21 Mountain Power." 22 Is it correct that the independent 23 evaluator's report issued on August 11, 2017, did not take a position on whether the RFP should expand 24 to include a broader set of resource types than 25

1	Wind? Page 199
2	A. That's correct.
3	Q. Okay. Will you please turn to Page 9 of
4	your rebuttal testimony, Lines 20-25.
5	On those lines, you note that your IE
6	report issued on August 11, 2017, "did not take a
7	position on whether the RFP should expand to include
8	a broader set of resource types than wind."
9	You then note on Lines 185-188 that "a
10	targeted solicitation is reasonable given the unique
11	circumstances associated with the potential value to
12	customers of procuring additional wind resources at
13	this time to take advantage of the PTC benefits."
14	Since the commission's August 27, 2017
15	order in this docket, and as part of the preparation
16	of your rebuttal testimony, did you engage in any
17	analysis of the inputs used in PacifiCorp's 2017 IRP
18	related to wind and solar resources?
19	A. I did review PacifiCorp's testimony. It
20	had, you know, included their analysis of wind
21	resources that would be (inaudible).
22	Q. So did you also look at their analysis of
23	solar resources?
24	A. Not specifically, no.
25	Q. So the rebuttal testimony of my witness,

1	Page 200 Mr. Isern, at Lines 146 to 164, as well as the
2	similar testimony of Sarah Wright of Utah Clean
3	Energy at Lines 80 to 88 state that PacifiCorp's
4	2017 IRP used outdated solar cost assumptions. Mr.
5	Isern's rebuttal testimony states that sPower's
6	levelized cost of solar in Utah today is the \$30 per
7	megawatt hour range. It also states that the 2017
8	IRP numbers are in the \$51 to \$56 per megawatt hour
9	range for 2019.
10	Did you analyze these specific inputs in
11	the 2017 IRP as part of determining that
12	PacifiCorp's limited eligibility type is reasonable?
13	A. No. Because I hadn't seen that \$30 number
14	until I read the testimony.
15	Q. Okay. So that analysis hasn't been taken
16	into consideration in saying that it is reasonable
17	to do wind only?
18	A. I also have, you know, it says it involved
19	solar solicitations (inaudible). I haven't seen
20	that very often either.
21	Q. Well
22	A. So I thought that, you know, that was on
23	the low side.
24	Q. Okay. Well, when Mr. Isern testifies
25	later, we can explore that some more. Thank you.

Page 201 1 MR. LEVAR: Commissioner White, do you 2 have any questions for Mr. Oliver. 3 MR. WHITE: No. I don't have any 4 questions. MR. LEVAR: Thanks. 5 Mr. Clark? 6 MR. CLARK: Hi, Mr. Oliver. 7 From your experience with solar 8 solicitation processes, if the company were to begin 9 1st of October to prepare a solicitation, and say it 10 11 took -- I think you said 60 days would be a fair 12 estimate -- could you outline what the rest of the 13 process would be and to your sense of what appropriate time frames would be that would lead to 14 15 a short list of solar bidders being identified? 16 THE WITNESS: I'm an optimist but --17 MR. CLARK: And I'd like you to be 18 optimistic. 19 THE WITNESS: So if -- I would suggest, 20 basically, like I said, I would -- if you're going 21 to issue an RFP, I think you can do it in a couple 2.2 of months, you know, but it is going to take, you 23 know, developing contracts for solar. If it's just 24 solar, it's a lot easier, because then you only have 25 the solar contract, not PB or thermal solar or

1	Page 202 anything like that.
2	But anyways, I'd say a couple of months to
3	develop the RFP and the contracts, and I would
4	market it up front so that bidders can then reduce
5	the time the bidders need to prepare their
6	proposals.
7	So really it gets down to start thinking
8	about that first, and I would say probably could do
9	it, you know, six weeks to two months for proposals
10	being due, and then another couple of months for
11	evaluation, and maybe cut that down a little bit.
12	MR. CLARK: If we cut it a little bit so
13	we're talking about 5 to 6 months to being able
14	identify at least a short list of bidders.
15	THE WITNESS: I think you could probably
16	do that yeah it depends on how many bidders you get.
17	MR. CLARK: Sure. Sure. And we are, at
18	least from the record evidence this morning, we have
19	some reason to believe there might be the list
20	might be significant, and I hope you've taken that
21	into account in the time frames that you've given
22	us.
23	THE WITNESS: I don't know how many bids
24	you'll get. I mean, in California, we got hundreds
25	and hundreds of bids every time there are solar

Page 203 1 projects and wind projects for renewable RPS. Ι 2 don't know how many you have here. 3 MR. CLARK: Let's assume there are 20. 4 THE WITNESS: That would be five to six months I think is -- can be good. Six months, 5 6 probably. Thank you very much. 7 MR. CLARK: 8 MR. LEVAR: Thank you. I don't have any other questions, Mr. Oliver; so thank you for your 9 testimony and your participation here today. 10 11 MS. HOGLE: Mr. Chairman. 12 MR. LEVAR: Yes? 13 MS. HOGLE: I wonder if, after the questioning from the parties, if you can indulge me 14 in allowing me to ask some questions of Mr. Oliver. 15 16 MR. LEVAR: Sure. Since there really isn't anyone who did direct examination of Mr. 17 Oliver, I think we can allow a little of that and 18 19 then give everybody else the opportunity to respond. 20 Thank you. 21 MS. HOGLE: Thank you. 2.2 EXAMINATION 23 BY MS. HOGLE: 24 0. Mr. Oliver, can you turn to your report Page 10, please. Your August 11, 2017 report. 25

1	Page 204 A. Okay.
2	Q. There's been a lot of discussion all
3	morning and this afternoon about the standards.
4	Correct?
5	A. Yes.
6	Q. I'd like you to read for me, if you will,
7	starting on the second sentence about the middle of
8	page where it says "A proposed solicitation and
9	solicitation process" and reads all the way down to
10	your the end of your last bullet point, please.
11	A. Okay.
12	"A proposed solicitation and solicitation
13	process must be reasonably designed to (1) comply
14	with all the applicable requirements of the Act and
15	commission rules; (2) be in the public interest,
16	taking into consideration whether they are
17	reasonably designed to lead to the acquisition,
18	production, and delivery of electricity at the
19	lowest reasonable cost to retail customers of the
20	soliciting utility located in the state; long-term
21	and short-term impacts, risk, reliability, financial
22	impacts on the soliciting utility, and other factors
23	determined by the commission to be relevant."
24	Q. And I'm sorry, if you would stop there.
25	So in your view, is risk should risk be

1	Page 205 assigned a higher value in terms of determining
2	whether it's in the public interest than whether the
3	resource will likely lead to the acquisition or
4	excuse me whether the RFP will likely lead to the
5	acquisition, production, and delivery of electricity
6	at the lowest reasonable cost, other than the fact
7	that or aside from the fact that everybody today
8	has been focusing on one specific factor.
9	Does it appear to you from reading the
10	different factors here that one risk is more
11	important than the other in terms of the
12	consideration that the commission should balance
13	when making this decision?
14	A. I'm not sure if these are in order of
15	importance or they have, just all the same, you
16	know, risk value.
17	Q. Okay. So is it reasonable to assume based
18	on that that it's the balancing of those factors and
19	not focused on one specific factor?
20	A. Right. I think this refers to multiple
21	factors.
22	Q. Okay. Thank you.
23	You recall earlier Mr. Dodge's questioning
24	and asking you about whether you would acknowledge
25	that, if the commission accepts your recommendation,

1	Page 206 and that is that the commission allow the RFP to
2	move forward as an all wind all-system wind and
3	that, if solar is cheaper ends up being cheaper
4	than the new interconnected transmission, then
5	that's a risk.
6	Do you recall that?
7	A. Yes.
8	Q. Okay. Would you also acknowledge that it
9	would also be a risk if the commission did not
10	accept the RFP as you recommend in terms of the
11	timing and that that would be definitely one factor
12	that the commission would have to consider in its
13	public interest consideration?
14	A. Yes. As I mentioned, I think, you know,
15	if the process is delayed, you know, further, then
16	there could be a risk that the PTC benefits won't be
17	generated in the time frame that's expected that
18	leads to delays in the transmission.
19	I don't think the generation projects will
20	be delayed because of it, necessarily, but the
21	transmission (inaudible).
22	Q. And you mentioned the timing issue several
23	times during the questioning of Mr. Dodge. I mean,
24	you consider that to be a significant risk?
25	A. I do, yes.
1	

	Page 207
1	Q. Okay. And were you in the room when, in
2	fact, I think you alluded to it Rocky Mountain
3	Power offered to issue a solar RFP in conjunction or
4	parallel to this RFP that you're recommending today.
5	Is that correct?
6	A. Yes. I heard that.
7	Q. And I think Ms. Barbanell asked you a
8	question about whether you had made or conducted an
9	analysis on the \$30 megawatt number and whether this
10	was taken into consideration in the IRP.
11	Do you recall that discussion?
12	A. I think it was \$50 value that was in the
13	IRP as opposed to the \$30 an hour Mr. Isern
14	mentioned in his testimony.
15	Q. Okay. Thank you. And you were here in
16	the room when Mr. Link testified earlier today that
17	the solar projects that have been builtthat he's
18	seen the cheapest one that's actually been built
19	and operating was actually coming in at \$52? \$50
20	per megawatt hour? Were you here in the room when
21	he testified to that today?
22	A. Yes.
23	Q. Okay.
24	MS. HOGLE: Those are all the questions I
25	have.

1	Page 208 MR. LEVAR: Thank you. Any further
2	follow-up for Mr. Oliver?
3	MR. DODGE: Mr. Chairman, I would like a
4	brief follow-up. I'd like to request, if I may,
5	that Mr. Oliver read the last three bullet points
6	from his statutory description that I think Ms.
7	Hogle originally asked him to read and then stop.
8	These are additional requirements that you indicated
9	from the Act that the solicitation must comply with.
10	THE WITNESS: Okay.
11	(3) Be sufficiently flexible to permit the
12	evaluation and selection of those resources or
13	accommodation of resources determined by the
14	commission to be in the public interest.
15	(4) Be designed to solicit a robust set of
16	goods to the extent practicable;
17	And (5) Be commenced sufficiently in
18	advance of the time of the projected resource need
19	to prevent to facilitate compliance with the Act
20	and commission rules and the reasonable evaluation
21	of resource options that can be available to fill
22	the projected need."
23	Q. (BY MR. DODGE) Had this RFP process been
24	commenced several months earlier, we would not be
25	having this discussion. Is that a fair assumption?

Page 209 I don't know. 1 Α. 2 Q. And do you think it would be reasonable for someone sitting in Utah -- a Utah resident -- to 3 4 suggest that the accommodation of resources that the commission should determine to be in the public 5 interest be evaluated might include solar resources 6 right in our own backyard? 7 8 Α. As I mentioned in my, you know, comments, I'm assuming that, you know, and also an RFP would 9 be the solicitation that was, you know, provided to 10 11 be the best market test. 12 0. Sure. And my question is more limited 13 now. Can you accept that it might be reasonable view from Utah residents that the accommodation of 14 resources should include those in our own backyard? 15 16 Yes, if you're going to allow that. Α. I'm just saying solar. I mean, I guess my 17 Q. last question is would your -- do you believe that 18 your and mine objectives might be achieved if the 19 commission were to require the utility to literally 20 21 pursue both RFPs simultaneously and condition the 22 approval of one on the result -- evaluation results 23 of the other? I think my answer would be it would have 24 Α. 25 been ideal if they were approved together, but I

1	Page 210 don't I don't I think where things are at now,
2	I don't think it would be beneficial to sequence it
3	together. I think that the best thing to do would
4	be to get all the separate RFPs followed closely
5	with the wind RFP.
6	Q. Well, and that's what I was trying to
7	suggest, that immediately following the issuance of
8	the wind RFP, the company be directed within so many
9	weeks of issuance of the solar RFP or an
10	all-renewable RFP to solicit other types of
11	resources but then condition approval of one on the
12	ability to evaluate the other so that we really do
13	collect a pool of resources.
14	A. I can't make any judgment on whether it
15	should be conditioned one conditioned on the
16	other, but it would be ideal if one could inform
17	you.
18	Q. Thank you. No further questions.
19	MR. LEVAR: Thank you, Mr. Oliver. We
20	appreciate your testimony today.
21	This is a natural time for break, although
22	I'll mention we have a hard time for break at about
23	ten to three. We have to switch court reporters; so
24	we can go about ten minutes into Mr. Peterson's
25	testimony, or we can take a longer than usual break,

Page 211 and I'll defer to Ms. Schmid on that issue. If you prefer to spend a few minutes with him now and then take a break, or if you prefer a longer than average break right now? MS. SCHMID: The division is happy with either option. MR. LEVAR: Okay. Why don't we break until 3:00 o'clock, then. We're are in recess until 3:00. * * *

1	Page 212 MR. LEVAR: Okay. We're on the record. And just
2	before we came on, Mr. Dodge asked about what happens if this
3	hearing runs late. We have six witnesses remaining. This
4	hearing was only noticed for one day. We did not reserve a
5	second day for the hearing.
6	The commission staff are prepared to stay late
7	into the evening. I don't know if parties are. We have that
8	option. Or it takes 24 hours' notice under the Open and
9	Public Meetings Act to notice a continued hearing. So I
10	don't know if it makes sense to discuss that with parties now
11	or give ourselves another hour and see where we are at four
12	or 4:30-ish.
13	Maybe everybody just wants to think about that.
14	And then we can move forward and maybe have a discussion in
15	an hour or two when we see where we are. Unless anyone wants
16	to say anything else about it now, let me know if you do.
17	I'm not
18	MR. DODGE: My personal preference would be to
19	push forward tonight and get it done.
20	MR. LEVAR: I can tell everyone in the room
21	the commission is prepared to do that. I don't know if all
22	the parties are. So why don't
23	MR. MOORE: Our witnesses are not available on
24	Thursday.
25	MR. LEVAR: Okay.
1	

Page 213 1 MR. MOORE: We can push forward tonight. 2 MR. LEVAR: Is there anyone who cannot keep going 3 past five o'clock tonight? Maybe that's good enough to ask 4 now. Or does anyone need a little time to figure out if you can stay past five o'clock tonight? 5 MS. WRIGHT: I have to leave at five to six to 6 make it to another meeting at the capital. So if I leave by 7 five, I'm good. 8 9 MS. BARBANELL: I think that some of the folks on the phone are having trouble hearing, so if people can be 10 11 sure to speak into their mics. 12 THE REPORTER: Let me just interrupt and say I 13 couldn't hear you at all because you weren't at the mic. So if you want to be heard, you have to get to the mic, because 14 I'm clear across the room. 15 16 MR. LEVAR: Thank you. And that's also important for streaming and for people on the phone. 17 18 MS. SCHMID: The division is prepared to stay 19 late tonight as well. 20 MS. HOGLE: So is Rocky Mountain Power. 21 MR. LEVAR: Okay. Well, I think we're in good 2.2 shape generally then to just keep going forward. If we start 23 getting towards the end of the day and Mr. Isern hasn't testified, we may -- but I think we're probably safe to go 24 25 with Mr. Peterson first before we go to the office. So,

Page 214 Ms. Schmid? 1 2 MS. SCHMID: Thank you. The division would like 3 to call Mr. Charles E. Peterson as its witness. May he 4 please be sworn. 5 MR. LEVAR: Mr. Peterson, do you swear to tell the truth? 6 7 MR. PETERSON: Yes. 8 CHARLES E. PETERSON, 9 having been first duly sworn, was examined and testified as follows: 10 11 EXAMINATION 12 BY MS. SCHMID: 13 Mr. Peterson, could you please give your full 0. name, business address, and title and employer for the 14 15 record? 16 Yes. Charles E. Peterson. I am a utility Α. technical consultant with the Division of Public Utilities 17 located here in this building on 160 East 300 South, Heber 18 19 Wells Building. 20 Have you participated in this docket on behalf of 0. 21 the division? 2.2 Α. Yes. 23 0. Could you please briefly describe your participation? 24 25 My participation began with the solicitation for Α.

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1	an independent evaluator by the Public Service Commission. I
2	was invited to participate in that process. The commission
3	has also delegated certain administrative functions relative
4	to overseeing the independent evaluator, delegated those
5	functions to the division.
6	I've been involved in reviewing the RFP as filed
7	by the company. And I filed, or caused to be filed,
8	memoranda and testimony in this docket.
9	Q. Did you prepare and cause to be filed what's been
10	previously identified as DPU Exhibit No. 1.0 REB in both
11	confidential and redacted forms?
12	A. Yes.
13	Q. Do you have any changes or corrections to that
14	testimony?
15	A. Yes, I do.
16	Q. Do they perhaps involve omitted words?
17	A. Yes, they do. Apparently my brain sometimes
18	works faster than I can type. On page, what I have as page
19	7, starting with the sentence on line 142, it goes on to line
20	145 where it currently ends with "transmission line." But
21	that as it stands right now does not form a complete sentence
22	or make very much sense, although perhaps its meaning could
23	be inferred.
24	Anyway, what should be added after "line" is "is
25	not yet complete." And then the following sentence should

Page 216 start out, "Therefore, the division is not yet prepared to 1 2 render an opinion." 3 0. With that correction, if I were to ask you the 4 same questions that are in your testimony today, would your answers be the same? 5 6 Α. Yes. The division would like to move for the admission 7 0. of what's been identified as DPU 1.0 rebuttal in both 8 9 confidential and redacted form. 10 MR. LEVAR: If any party objects to that motion, please indicate to me. And I'm not seeing any objections, so 11 12 the motion is granted. 13 (By Ms. Schmid) Mr. Peterson, do you have a 0. 14 summary to present today? 15 Yes, a very brief one. The division recommends Α. the conditional approval of the company's RFP. The 16 17 condition -- the conditions include the adoption of the 18 independent evaluator's recommendations along with the 19 geographic expansion to include wind resources outside of 20 Wyoming. 21 I understand from sitting here today that the 22 company is agreeable to those conditions and that the company 23 is also relaxing its conditions on system impact statements, which the division also thinks is a good move even though we 24 25 haven't particularly -- especially proposed that.

Page 217 The division also wants to reiterate that it 1 2 continues to study a number of issues related to this RFP and the docket 17-035-40. It has not yet completed its 3 4 investigations and analyses and my impression has been that much of the testimony in this docket by other parties is 5 reflective of issues and concerns that the division had 6 7 intended to raise in the prudence docket, which I'll reference as being the 40 docket. 8 In addition, the procedure order allows the 9 0. opportunity for a witness to give live surrebuttal. Do you 10 11 have any comments on that or other things? 12 Α. Yes. The division had understood, up until this 13 morning at least, that the company was bringing forth this proposal, this RFP and related wind repowering and 14 transmission proposals as strictly economic opportunities. 15 This morning was the first time that I'm aware that a company 16 17 representative has said that it is to satisfy a need. Particularly, Mr. Link referenced the need, as he 18 put it, to offset front office transactions that are 19 20 available apparently to be offset by wind and perhaps other 21 future resources. 2.2 Now, this was different than the division's 23 understanding of the purpose of these dockets. And the 24 division will have to analyze what to make of it and perhaps 25 seek clarifying explanations from the company as a result of

Page 218 1 the apparent move to the company to represent that these 2 dockets represent fulfillment of a need that the company has 3 apparently specifically identified and not strictly an 4 economic opportunity. So that is a concern that the division raises. 5 6 It may affect to some extent our testimony going forward, if not in this RFP solicitation docket, in the other dockets. 7 8 And that concludes my surrebuttal testimony. 9 MS. SCHMID: Mr. Peterson is now available for cross-examination and questions from the commission. 10 11 MR. LEVAR: Thank you. Ms. Hogle, do you have 12 any questions for Mr. Peterson? 13 MS. HOGLE: No questions. 14 MR. LEVAR: Mr. Longson, do you have any 15 questions for him? 16 MR. LONGSON: No questions. Thank you. 17 MR. LEVAR: Okay. Mr. Moore? 18 MR. MOORE: Just a few questions. 19 EXAMINATION 20 BY MR. MOORE: 21 0. Mr. Peterson, could I direct your attention to 22 pages 7 and 8, lines 150 to 156 of your rebuttal testimony? 23 Α. Okay. That's a question and answer. Can you read that 24 0. 25 for me for context? I stumbled over it.

1	Page 219 A. "Question: What is the Division's position with
2 1	respect to the wind-only versus an all-source RFP.
3	"Answer: The Division believes that the RFP
4 8	should be restricted to wind-only resources. The reason for
5 t	this is that the point of issuing the RFP is to potentially
6 1	reap the benefits of the PTCs," or production tax credits.
7	"Furthermore, the Company's analyses to this
8 r	point suggest that ratepayers will be better off with the
9 v	vind resources the company has proposed versus the more
10 s	standard IRP resource decisions. For whatever it is worth,
11 t	the company is not alone among utilities in making a push for
12 v	vind resources due to the PTC benefits."
13	Q. Thank you. First, in making your recommendation
14 1	regarding wind-only RFP, you relied on the tax benefits of
15 t	the PTCs for wind, but solar and similar tax advantage was
16 t	the investment tax credit; isn't that true?
17	A. I've heard that that's true but I have no special
18 }	mowledge about the nature of those tax credits.
19	Q. Second, the company's analysis to point is based
20 0	on the company's unacknowledged IRP, both the initial stages
21 a	and the updated an update styled Energy Version 220 update
22 a	and a 260 RFP. Is this your understanding?
23	A. I'm sorry, could you repeat the question? I
24 9	
	guess I didn't follow it as well.

	Page 220
1	reasons why you agreed to a wind-only RFP, one of the reasons
2	was the company's analysis at this point suggests that the
3	ratepayers will be better off with wind resources.
4	A. Yes.
5	Q. And the company's analysis at this point, it is
6	the office's understanding it is based on the RFP, the
7	initial stages of the IRP, and then its recently updated
8	supplement entitled Energy Division 220 2020 update and
9	also a 2016 RFP. Does that comport with your understanding
10	of the company's analysis of this point?
11	A. Well my testimony, I've discounted the value of
12	the 2016 RFP.
13	MS. SCHMID: Pardon me. IRP?
14	A. No, RFP.
15	MS. SCHMID: RFP. Thank you.
16	A. However, your question, it is based upon the
17	company's analyses that the division accepts, provisionally,
18	that ratepayers be better off with proceeding with the RFP
19	versus not proceeding with the projects that the company is
20	proposing.
21	Q. Now, I'm going to direct your attention to your
22	testimony on page 9
23	A. Okay.
24	Q lines 174 to 175 in your rebuttal testimony.
25	A. Okay.

Page 221 In arguing against the company's initial 1 0. 2 assertion that the geographical scope of the RFP should be 3 limited to Wyoming you noted -- I believe your testimony is, 4 "The IRP analyses were necessarily made based upon restrictive assumptions regarding what wind in other 5 locations might be able to provide." And that, "The company 6 7 may or may not be accurate in these assumptions." Is that still your opinion? 8

A. Yes.

9

10 Is it not true that some assumptions can be made 0. 11 regarding the type of resources that may be able to compete 12 with Wyoming wind or wind in general may also be incorrect? 13 Well, the company's analyses are based upon the Α. assumptions that it made in its IRP. And those assumptions 14 15 are always subject to challenge and they may be correct or 16 incorrect.

17 One assumption that is almost certainly incorrect 0. is the assumption that cost tracking solar is in the high 18 fifties to \$65 dollar per megawatt hour when evidence from 19 interveners and leasing QF contracts by the Southern Utah 20 21 Solar Resource have a leveling price approximately 40 percent 22 below that in the low \$30 dollar megawatt hour range? 23 MS. SCHMID: I will object to that question. 24 Mr. Peterson's testimony does not go into that level of 25 detail at all. And I would say it's beyond the scope of his

Page 222 1 testimony. 2 MR. LEVAR: In response to that objection, 3 Mr. Moore, are you aware of anywhere that Mr. Peterson has 4 discussed solar pricing in his testimony? I think the objection hinges on whether Mr. Peterson has discussed solar 5 6 pricing. 7 MR. MOORE: Mr. Peterson discussed incorrect assumptions that are possible in the IRP. To the extent that 8 9 that doesn't -- my question was, does that extend to assumptions made to solar resources. If that is -- my 10 11 question extended beyond his testimony, I'll withdraw the 12 question. 13 MR. LEVAR: So far, your question is: Does that 14 assumption extend to solar resources? 15 MR. MOORE: Right. My question is: Does the 16 statement -- the assumptions that may be incorrect in his 17 analysis of wind resources also apply to -- possibly apply to assumptions the company made with regards to solar or other 18 19 resources? 20 MR. LEVAR: I think that's a fair question, 21 Mr. Peterson. 2.2 Α. Yes, it could extend to those assumptions and any 23 number of other assumptions. 24 You stated recently that you discounted the 0. 25 company's reliance on its 2016 RFP; is that correct?

1	Page 223 A. Yes. I think it's in my testimony.
2	Q. Now may I direct your attention to pages 9 and
3	10? I'm going to retract that and, just to make this quick,
4	with regard to the division's reliance on the contention that
5	the utilities have made a (inaudible) wind resources
6	THE REPORTER: I'm sorry, have made a
7	MR. MOORE: I'm sorry. I'll rephrase. With
8	regards to the division's reliance on the contention that
9	other utilities have made a perishable wind resource due to
10	PTC benefits, your testimony does not indicate whether the
11	other utilities you've mentioned or referred to may have
12	similar solar resources in Utah or have a different vetting
13	process or require transmission upgrades.
14	Do you address the similarities between the
15	utilities you mentioned or the dissimilarities between the
16	utilities you mentioned in Utah?
17	MS. SCHMID: Again, I would object to the extent
18	that the question goes beyond the scope of his testimony to
19	solar resources.
20	UNIDENTIFIED: Hello. You have been conducting a
21	meeting for a long period of time. If you need to continue
22	meeting, hit one.
23	MR. LEVAR: Press one.
24	MR. MOORE: Chairman, his testimony was that it
25	was reasonable to apply to restrict the IRP to solar to

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1	wind only resources because other utilities have made
2	restrictions to wind only resources. So I'm asking him
3	whether he knows whether those other utilities that he was
4	referring to have the same situation as occurs in Utah via
5	the solar resources we have and the unusual vetting process
6	we had in this proceeding as well as the requirement for
7	transmission upgrades.
8	MS. SCHMID: Objection to the characterization of
9	Mr. Peterson's testimony.
10	MR. LEVAR: What's if you would clarify what's
11	mischaracterized.
12	MS. SCHMID: Mr. Peterson probably could explain
13	that better.
14	A. Mr. Moore suggested that I said that these were
15	wind only RFPs out of which other utilities were seeking to
16	acquire or were actually in the process of constructing wind
17	resources. I made no such representation related to how
18	these solar, or how these utility companies went about
19	getting approval if they needed approval to acquire thousands
20	of megawatts of wind resource.
21	I only made my exact statement, and this is my
22	testimony on lines 155 and 156. I said, "For whatever it is
23	worth, the company is not alone among utilities in making a
24	push for wind resources due to PTC benefits." And I cited to
25	a Standards & Poor Global Market Intelligence Report of

1	Page 225 August 15th, 2017.
2	MR. MOORE: Mr. Chairman, I think I should be
3	able to inquire to the extent of his knowledge of the
4	circumstances of those utilities that are making a push for
5	PTC sources if his testimony goes to the fact as to why he
6	only the division is only making a recommendation for wind
	only resources.
8	MR. LEVAR: You know, where he's made that
9	statement with the reference to an S&P article, I think it
10	would be fair to ask him if he's aware of any more of the
11	details of those solicitations represented in the article.
12	And I think that's probably the next appropriate question.
13	Q. Mr. Peterson, I won't reask the question. I'm
14	sure you can phrase it better than that.
15	A. To the best of my knowledge, the report does not
16	discuss the RFP processes that these various companies and
17	utilities went through. It was merely a citation to the fact
18	that utilities seeking to construct wind resources to benefit
19	from the PTCs is a widespread phenomenon. And I made no
20	assumption or have no particular knowledge about the
21	processes that approval of these different utilities went
1	
22	through. I don't know what they are.
22 23	through. I don't know what they are. Q. That answers my questions. Thank you. I have no

1	Page 226 MR. LEVAR: Mr. Dodge?
2	EXAMINATION
3	BY MR. DODGE:
4	Q. Thank you, Mr. Chairman. Mr. Peterson, I hope
5	that this will be quick. I'll refer you to pages 8, 9 and 10
6	of your testimony, at least on my copy, and I hope it's the
7	same as yours. There's a question on my copy that begins on
8	line 168, "The Company's position seems to be" Are you
9	there?
10	A. Yes.
11	Q. So, that question again, I'll reference, you
12	were asked about the company's position resisting opening up
13	the RFP to wind outside of Wyoming. And you were giving your
14	reasons why you disagreed with their conclusion; is that
15	accurate?
16	A. Yes.
17	Q. I'd like I think you give basically six
18	answers there. The first one on lines 173 to 175 that I
19	believe Mr. Moore referenced, the IRP analyses were made upon
20	restrictive assumptions. The company may or may not be
21	accurate in these assumptions.
22	My question again, I'm trying not to overlap
23	Mr. Moore but putting aside whether you whether you
24	recommend opening the RFP to solar, I want to understand, do
25	these reasons would they apply similarly to solar if there

Page 227 1 weren't other reasons not to expand it? So, in other words, 2 would that same analysis, that same conclusion, also apply in 3 responding to why one would not open it to solar, that the 4 assumptions in the RFP may not be accurate? I guess my attorney isn't going to make an 5 Α. We unfortunately have to share microphones here. 6 objection. 7 So, as I said earlier in response to Mr. Moore, we have a situation where we do not have an acknowledged fully vetted 8 9 IRP. And even if we had one, they're all -- the company makes numerous assumptions in the construction of the various 10 11 scenarios it makes and in its forecast that may or may not be 12 accurate, both in a practical sense in that forecasts are 13 invariably wrong, and perhaps occasionally in a factual sense that they just have bad data in the IRP. 14 15 And that may or may not be discovered by parties 16 as they investigate the IRP. But that is a kind of a 17 blanket -- I would agree that that's a blanket potential 18 problem with the IRP. 19 0. And therefore you're recommending allowing the 20 market to test the assumptions made in the IRP, open it to 21 other bids so you can test assumptions in the IRP? 2.2 Α. That was the primary concern, especially -- I 23 think in our second reply memorandum that we've attached as my Exhibit 3, we identify reasons why we at least are 24 25 concerned that the RFP may not be robust. The company of

1	Page 228 course completely disagrees with that analysis. But we had
2	concerns and we wanted we want to see what the market
3	really is, especially as a comparison to the company's
4	benchmark bids.
5	Q. Beginning at the end of line 176 you added
6	another reason, "However, to the best of the division's
7	knowledge, wind projects in states other than Wyoming could
8	still qualify for the PTCs, which are the driving force
9	behind the company's proposals."
10	If you were to replace PTC with ITC and wind with
11	solar, that would still be an accurate statement, wouldn't
12	it?
13	MS. SCHMID: I will object to this question as
14	beyond the scope.
15	MR. DODGE: I guess I'm struggling here with
16	trying to limit I mean this is an expedited proceeding
17	where the division that's supposed to be giving an opinion on
18	the public's interest can't be asked questions about whether
19	expanding the scope to solar, which he said don't do, whether
20	the rationale for proposing that it be expanded to out of
21	Wyoming wind wouldn't also apply to solar. That's clearly
22	within the scope of his recommendation.
23	MR. LEVAR: Well, it depends on whether his
24	recommendation includes an affirmative recommendation not
25	to include solar or whether his testimony is silent on the
1	

Page 229 1 issue. And so it's -- does his testimony specifically say 2 the RFP should not include solar or is it silent on the 3 issue? 4 0. It says the division -- excuse me. It said, and we read it a minute ago. Yeah, on line 151, "The division 5 believes the RFP should be restricted to wind-only 6 7 resources." 8 So I'm exploring his rationale for proposing to expand beyond Wyoming wind, why they don't also apply to 9 expanding to solar. 10 11 MS. SCHMID: I'll withdraw my objection. 12 Q. Thank you. And, again, I'm not asking for a 13 debate -- you've given your reasons, Mr. Peterson, why you 14 recommended wind-only and I've been through that with Mr. Oliver. I'm not going to go through it again with you. 15 16 But I just want clarification if you think any of your rationale for extending it beyond a Wyoming limited wind 17 resource RFP would not apply when we're considering solar. 18 19 So my question again is: If you replace wind 20 with solar and PTCs with IPCs, would that still be an 21 accurate statement? 2.2 Α. Well, to the extent that I have not investigated 23 solar IPCs, I'm uncertain whether I could agree that they could be substituted one for one. 24 25 Fair enough. The next sentence you say, "Utah Q.

1	Page 230 ratepayers could potentially benefit from PTCs generated in
2	other states as well as in Wyoming." If we substituted PTCs
3	with ITCs, would that still be a fair statement, Utah rate-
4	payers could potentially benefit from ITCs generated in
5	states other than Wyoming?
6	A. Well, are you asking me a hypothetical to equate
7	PTCs and ITCs?
8	Q. No, no. And I'm accepting that you have not done
9	any investigation of ITCs. I'm saying, is it possible that
10	ITCs generated from projects in other states could
11	potentially benefit ratepayers just like PTCs generated from
12	non Wyoming resources could?
13	A. Well, I would have to say it's possible, yes.
14	Q. The next point you made on lines 181 and 182 is
15	that, "it may be possible for a bidder/developer to be
16	competitive with a project location outside of Wyoming." I
17	assume that also would apply to a solar project outside of
18	Wyoming. It may be possible for it to be competitive;
19	right?
20	A. Well, if we were to open the solicitation to
21	solar, then I guess it would be possible.
22	Q. You also, down on lines 187 and 188, you said,
23	"While it is true that Idaho wind was not selected when the
24	proposed Wyoming wind was locked into the model, there
25	appears to be some possibility that Idaho wind may be

Page 231 1 competitive." Do you accept that there may be some 2 possibility that Utah solar might be competitive? 3 I would accept that there would be some Α. 4 possibility. The next cue is, "If the company receives a 5 0. number of non-Wyoming bids that just are not competitive, 6 won't that waste a lot of time, given the short supply." 7 8 Your response on the next page was, "Possibly, 9 but such a bidder would have to spend time and money to bid knowing that it was going against Wyoming wind project, 10 11 including the company's benchmark bids, and it may face 12 unfavorable transmission costs." At the end of that you said, "The company should be able to quickly identify 13 14 out-of-the-money bids." Would that analysis also apply if they're looking 15 16 at solar bids that may be out-of-the-money? 17 I can only say it's a potential possibility. Α. 18 And I guess then just finally, as a 0. 19 representative of the state agency in Utah, do you not agree 20 that Utah residents and ratepayers feel like the economic 21 benefits being touted of this development in Wyoming ought to 22 at least be opened up to competition for projects located in 23 this state? 24 Well, the division does support opening it up Α. 25 and has supported opening it up to projects potentially in

Page 232 The benefit that we have been told we get from these 1 Utah. 2 projects is primarily the PTCs. And we haven't been looking 3 into this as a Utah only economic development project. 4 Usually the division does not support projects merely because they're economical -- they're an economic 5 development type of project in some locality. 6 And that was clearly not the import of my 7 0. question or the intent of the question, because I'm here 8 9 representing customers who care as much as -- probably more 10 than you do -- about costs. 11 My point is, if there's a possibility that there 12 are Utah resources that can be competitive and even superior 13 to the ones the company is proposing, as a Utah agency representative, don't you think it would be fair, if it can 14 be done in a reasonable way, that Utah be allowed to compete 15 straight up with Wyoming for the economic benefits? 16 17 Well, certainly the division would like to see Α. Utah based companies be developed in the sense that you 18 19 could. I'm just not prepared to say that we're going to 20 favor any particular developers in that regard or any 21 particular localities within Utah. 22 The proposals that the company brought forth, as the division understands them -- or understood them -- was 23 that this was a purely economic opportunity. And we did 24 25 argue that developers outside of Wyoming should be allowed to

1	Page 233 compete, which would include Utah developers as well.
2	And so I'm not sure I follow what the point is
3	you're trying to make with your line of questioning. We do
4	favor having Utah developers be able to bid in.
5	Q. The point is that we as UAE support allowing Utah
6	solar developers also to bid in because we have reason to
7	believe that would be a competitive resource. And if that
8	were the case and I understand you haven't evaluated
9	that but if that were the case, you wouldn't want to
10	discriminate against Utah locales or developers any more than
11	you'd want to favor them; right?
12	A. I certainly don't want to discriminate.
13	Q. Thank you. No further questions.
14	MR. LEVAR: Thank you. Ms. Barbanell?
15	MS. BARBANELL: I have no questions.
16	MR. LEVAR: Any redirect, Ms. Schmid?
17	MS. SCHMID: None.
18	MR. LEVAR: Thank you. Commissioner Clark, any
19	questions for Mr. Peterson?
20	EXAMINATION
21	BY MR. CLARK:
22	Q. Yes. Just a couple of questions, Mr. Peterson.
23	I'm going to focus on your answer that begins on page 7
24	regarding the restriction of the RFP to wind only. I think
25	what I've heard you say is that your support for that

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1 restriction has been based at least on the belief that the
2 motivation for the RFP is to take advantage of the
3 production tax credits that are available to wind. Is that
4 accurate?

A. Yes.

5

Q. And so at the beginning of your testimony, you expressed a new understanding gained this morning regarding the prospect that the RFP is need-based and is related to the need to offset front office transactions. And I'm wondering how that realization affects the conclusions that you expressed in the answer to the question at the bottom of page ??

13 Α. Part of the issue with this RFP and related 14 dockets is that we do not have an acknowledged IRP that has 15 been fully vetted that has been accepted as demonstrating 16 that the resources that the company is proposing, both the 17 transmission and the wind, meet the usual criteria as set forth in the statute and in the commission's rule that 18 slightly expands the statute. I think it's 402 or -- but 19 20 anyway -- right, R-746-420-3, and especially looking down on 21 -- let's see, 1F5.

Q. Would you mind reading that for us?
A. Sure. Other factors -- F starts out "Other
factors determined by the commission to be relevant." And
then the commission lists what I interpret to be the other

	Page 235
1	factors. And Roman Numeral V, it says, "Be commenced
2	sufficiently in advance of the time of the project resource
3	needed to permit and facilitate compliance with the act and
4	the commission rules and a reasonable evaluation of resource
5	options." And this is the point I want to highlight. "But
6	can be available to fill the projected need and will satisfy
7	the criteria contained within Section 54-17-3023C."
8	Part of the problem with this process as the
9	division sees it is that it does not if it's strictly an
10	economic opportunity that the company is presenting and that
11	is how the division has understood it to this point, then the
12	criteria that are set forth in the statute in particular, the
13	commission rule may not be applicable, at least in the way
14	that we normally think of them, because there is no need that
15	the company has previously identified that it's trying to
16	solve. And, as I said, it's been strictly an economic
17	opportunity.
18	So, the division has evaluated it as an economic
19	opportunity up to this point, at least to the extent of
20	advocating to some extent for allowing the company to issue
21	its RFP is that we're not solving a need but there is the
22	potential that ratepayers will be better off if we allow the
23	company to go forward with this than if they did not.
24	And the same issue I think would arise and
25	this perhaps would perhaps arise with expanding the RFP to

1	Page 236 solar. There is no need that has been identified that we're
2	going to solve with this. It's strictly a question of
3	whether ratepayers are going to be better off or not. And
4	the division is of the opinion that that may open this up to
5	an endless investigation into what is the very best way or
6	very best economic solution for ratepayers that go on
7	endlessly. That's at least a potential. And I mentioned
8	that in my testimony.
9	So, given that explanation, the division believes
10	that we do not want to necessarily foreclose the company
11	looking out for opportunities to economically benefit rate-
12	payers even if they're not necessarily fulfilling a need.
13	And that seems to be what the company has brought forward.
14	And that's how the division has been evaluating it, not as
15	something that we need to perhaps try to endlessly search for
16	the very best combination of transmission and other resources
17	in every conceivable location.
18	So, that's kind of I hope that gives you a
19	better flavor of where the division has been coming from in
20	this RFP process.
21	MR. CLARK: Thank you. That concludes my
22	questions.
23	MR. LEVAR: Mr. White?

24 *** 25 ***

1	Page 237 EXAMINATION
2	BY MR. WHITE:
3	Q. Your explanation or information to Commissioner
4	Clark was helpful. It sounds like then that really from the
5	division's standpoint I don't want to put words in your
6	mouth but the next step in the 40 docket, would it be a
7	benefit to the commission I mean to the division to have a
8	solar resource to consider in the context of that or not? I
9	mean it sounds to me like you're looking at it solely as just
10	an economic time and opportunity, you're not looking at it
11	in or at least at this point, you've not had the
12	opportunity to even evaluate solar in the same context as not
13	a need but as an economic time limited opportunity.
14	A. That's basically correct. We've been looking at
15	it as the PTC expiration date. I remember hearing or reading
16	somewhere that solar ITCs last at least another year,
17	potentially, beyond what the wind PTCs do. I can't testify
18	to that for sure.
19	But, yes, we've been looking at it as the company
20	has brought forth an economic proposal and we're evaluating
21	the value and risks of those proposals on that basis. I
22	suppose if a wind I mean, excuse me an alternative
23	solar proposal could be brought forward in competition, that
24	might help evaluate the decision in the 40 docket. However,
25	it still doesn't answer the question, do we want to grab the

Page 238 1 wind PTCs perhaps at the expense of taking solar ITCs. These 2 are issues that the division hasn't contemplated and, to this 3 point, we haven't been investigating. 4 0. That's all the questions I have. Thanks. MR. LEVAR: Okay. And I don't have anything for 5 6 Mr. Peterson. Ms. Schmid, anything further? 7 MS. SCHMID: Nothing further. MR. LEVAR: Thank you. Mr. Moore? 8 9 MR. MOORE: Yes. The office would call Bela 10 Vastag. 11 MR. LEVAR: Mr. Vastaq, do you swear to tell the 12 truth? 13 Α. Yes, I do. 14 BELA VASTAG, 15 having been first duly sworn, was examined and testified as follows: 16 17 EXAMINATION BY MR. MOORE: 18 19 0. Could you please state your name and business 20 address for the record? 21 My name is Bela Vastaq. That's B-E-L-A Α. 22 V-A-S-T-A-G. I am a utility analyst employed by the Office of Consumer Services. And my address is 160 East 300 South 23 in Salt Lake City, Utah. 24 For whom are you testifying for today? 25 Q.

Page 239 The Office of Consumer Services. 1 Α. 2 Q. Did you file rebuttal testimony in this docket on 3 September 13th? 4 Α. Yes. Do you have any changes to this testimony? 5 0. No, I don't. 6 Α. If I asked you those same questions in your 7 0. testimony, would your answers be the same? 8 9 Α. Yes. At this time I move for admission of his 10 0. 11 testimony. 12 MR. LEVAR: If there's anyone who objects to that 13 motion, please indicate to me. I'm not seeing any objections 14 so the motion is granted. 15 Have you prepared a statement summarizing your Q. 16 testimony? 17 Yes, I have. Α. 18 Q. Please proceed. Good afternoon. The commission's August 22nd, 19 Α. 20 2017 order in this proceeding stated that there was an 21 insufficient record to determine if the company's RFP would 22 result in the lowest cost electric resource or resources as 23 required for a solicitation process under the Utah Energy Procurement Act and the commission rules. 24 25 The office retained the firm of J. Kennedy and

1	Page 240 Associates to assist us in determining whether the company
2	has demonstrated that the design of their RFP would achieve
3	the requirements of being able to solicit the lowest cost
4	bids for resources. Mr. Philip Hayet conducted a detailed
5	analysis on behalf of the office and explains in his rebuttal
6	testimony that the company's restriction to only allow
7	Wyoming wind to bid would eliminate the opportunity for
8	potentially lower cost resources to compete, which would
9	violate the Energy Procurement Act.
10	The office does recognize that there is a near
11	term opportunity to acquire cost effective renewable energy
12	resources that qualify for tax credits, whether it's the
13	production tax credits, the PTC, or the investment tax
14	credit, the ITC.
15	The company claims its IRP analysis shows that
16	Wyoming wind is low cost, however, the statute does not
17	require the utility to seek just low cost resources but the
18	lowest cost resources. The company has chosen to bring the
19	RFP before the commission using the RFP section under the
20	Energy Procurement Act, therefore, the RFP should be allowed
21	to demonstrate which resources are lowest cost.
22	Unless the company redesigns its RFP to allow all
23	types of renewable resources that can connect anywhere to the
24	company's system to bid, the office recommends that the
25	commission reject the RFP because it will not be compliant

1	Page 241 with the requirements of the Energy Procurement Act. That
2	concludes my statement.
3	Q. Do you have any surrebuttal to offer at this
4	time?
5	A. I do not.
6	Q. Mr. Vastag is available for cross-examination.
7	MR. LEVAR: I'll go to Ms. Barbanell first. Do
8	you have any questions for Mr. Vastag?
9	MS. BARBANELL: No questions.
10	MR. LEVAR: Mr. Dodge?
11	MR. DODGE: No. Thank you.
12	MR. LEVAR: Mr. Longson?
13	MR. LONGSON: No questions. Thank you.
14	MR. LEVAR: Ms. Schmid?
15	MS. SCHMID: No questions.
16	MR. LEVAR: Ms. Hogle?
17	MS. HOGLE: No questions.
18	MR. LEVAR: Commissioner White?
19	MR. WHITE: No questions. Thank you.
20	MR. LEVAR: Commissioner Clark?
21	MR. CLARK: No questions.
22	MR. LEVAR: And I don't either. Thank you,
23	Mr. Vastag. Mr. Moore?
24	MR. MOORE: At this time, we would like to take
25	our first telephonic witness.

Page 242 1 EXAMINATION 2 BY MR. MOORE: 3 Q. Can you hear me, Mr. Hayet? 4 Α. Yes, I can hear you. MR. LEVAR: We're not hearing you very well, so 5 6 we'll try to get the volume turned up and get the microphone 7 on you. It is a little hard for me to hear as well, I 8 Α. 9 have to say. MR. LEVAR: Okay. While we're doing telephonic 10 11 witnesses, basically get your mouth as close to the 12 microphone as you can. It's not comfortable for any of us 13 but... 14 Mr. Hayet, do you swear to tell the truth? I do. 15 Α. 16 MR. LEVAR: Okay, Mr. Moore. 17 PHILIP HAYET, having been first duly sworn, was examined and testified as 18 19 follows: 20 EXAMINATION 21 BY MR. MOORE: 22 Q. What is your name, address and by whom are you 23 employed? 24 My name is Philip Hayet. My business address is Α. 25 570 Colonial Park Drive, Suite 305, Roswell, Georgia, 30075.

Page 243 I'm a utility regulatory consultant and vice president of J. 1 2 Kennedy and Associates. 3 Who are you testifying for today? 0. 4 Α. Yes, I am. For whom are you testifying today? 5 0. I'm testifying on behalf of the Office of 6 Α. Consumer Services. 7 8 MR. LEVAR: Sorry. That didn't help. 9 0. (By Mr. Moore) Did you file rebuttal testimony 10 in this docket on September 13? 11 Yes, I did. Α. 12 Q. Do you have any changes to this testimony? 13 Α. I'm sorry? 14 0. Do you have any changes you'd like to make to 15 this testimony now? 16 Yes. I have one change on line 19 in my Α. 17 testimony. 18 THE REPORTER: I can't hear you, I'm sorry. Will 19 you tell him I cannot hear him? 20 MR. MOORE: Excuse me, Mr. Hayet. We have a 21 problem with the court reporter. 2.2 MR. LEVAR: Is the microphone on? Is the green 23 light on on the microphone? 24 Α. No. 25 (Briefly off the record.)

Page 244 1 MR. LEVAR: Okay, Mr. Hayet, will you continue? 2 Okay, I'll start the answer over again. Α. I do 3 have -- I'm sorry? 4 Yes. Could you start the answer over again 0. regarding the changes you may have to your pretrial 5 6 testimony? 7 I have one change, page 1, line 19 which Α. Yes. reads, "I respond to PacifiCorp witness Link's testimony..." 8 9 I am responding to his direct and rebuttal testimony. So change the word "direct" to the words "direct and rebuttal." 10 11 Is that the only change you need to make today? Q. 12 Α. Yes. 13 If I asked you the same questions contained in 0. your pretrial testimony, would your answers be the same? 14 15 They would. Α. 16 I would like now to move to introduce his 0. 17 testimony together with exhibits to his testimony, OCSR --OCS - 2.1 Philip Hayet's resume, and OCS 2.2, S&P article 18 19 Oregon aaproves PacifiCorp wind request for proposals. 20 MR. LEVAR: If anyone objects to that motion, 21 please indicate to me. I'm not seeing any objection in the 2.2 room so the motion is granted. 23 0. Have you prepared a summary of your testimony? 24 Yes, I have. Α. Will you please provide a summary now? 25 Q.

Page 245 1 Yes. Good afternoon, commissioners. The company Α. 2 is seeking approval of its solicitation process. And in its 3 August 22nd order, the commission has made it clear that it 4 wants to ensure the company's process will likely result in the acquisition of resources at the lowest reasonable cost 5 to customers, recognizing the company has placed restrictions 6 7 on resources bid. I was retained to assist the office to determine 8 9 whether the company has adequately demonstrated its solicitation process will meet the lowest reasonable cost 10 11 standards. I recognize that the company has now lifted the 12 location restriction but is still planning to exclude 13 renewable resources other than wind from being able to bid, which I am still concerned about. 14 15 My conclusion is that the company has still not provided sufficient evidence proving no other renewable 16 resources to be offered that would lead to the company 17 acquiring the lowest cost resources available. Therefore, 18 unless the company is willing to revise its RFP to open up to 19 20 other renewable resources, I believe the commission should 21 reject the company's solicitation process. 2.2 The main issue in this case is whether the 23 company, by placing restrictions on the bid, is precluding 24 the possibility that even more economic resources can be 25 offered to serve customer load which would violate the Energy

1	Page 246 Procurement Act.
2	As opposed to other parties who originally had a
3	location objection, which I will realize has now been
4	eliminated, I have a resource type objection. It may be fine
5	for utilities in other parts of the country to have
6	restricted their solicitations to a specific resource type
7	because they may have clearly demonstrated beyond a shadow of
8	a doubt that a specific resource type is economic.
9	In PacifiCorp's case, there remains doubt as to
10	whether another resource type would lead to the lowest
11	reasonable cost resources being selected. I have reviewed
12	the 2017 IRP process and the company's 2016 RFP, and I still
13	agree with the commission's statement in its August 22nd
14	order that those providing insufficient record to accept the
15	company's RFP as currently designed.
16	Furthermore, I reach the same conclusion based on
17	my review of the company's recently filed IRP updates. It
18	did little more to address the question of whether, for
19	example, solar resources could be potentially economic.
20	While PacifiCorp's updated assumptions concerning Wyoming
21	wind, it did not update cost assumptions for non wind
22	resources.
23	My testimony also notes that there already is a
24	considerable amount of solar QF in PacifiCorp's systems which
25	suggest if the solicitation were opened up, other potentially

1	Page 247 cost effective resources would bid in.
2	Finally, my testimony discusses that PacifiCorp
3	has expressed its concern that broadening the scope of the
4	RFP would create an untenable delay that could jeopardize its
5	ability to capture the full value of PTCs, which it says
6	could undermine the viability of the 2017 RFP.
7	Up to now it was unclear what the company had in
8	mind by this, but it is now clarified that this could add
9	three to four additional months to the RFP process. I am not
10	convinced this would cause a problem. But if taking
11	additional time to conduct a proper RFP evaluation could call
12	the economics into question, the commission may want to
13	require the company to explain what the potential impact on
14	the economics of the new wind, new transmission projects
15	could be if transmission construction delays were to occur,
16	which has a consequential chance of occurring. And this
17	concludes my testimony.
18	Q. Do you have any
19	A. I'm sorry. My summary.
20	Q. Do you have any surrebuttal to offer today?
21	Mr. Hayet?
22	A. Yes. I'm sorry?
23	Q. Do you plan to provide any surrebuttal testimony
24	today?
25	A. I do not have any.
 13 14 15 16 17 18 19 20 21 22 23 24 	<pre>require the company to explain what the potential impact on the economics of the new wind, new transmission projects could be if transmission construction delays were to occur, which has a consequential chance of occurring. And this concludes my testimony. Q. Do you have any A. I'm sorry. My summary. Q. Do you have any surrebuttal to offer today? Mr. Hayet? A. Yes. I'm sorry? Q. Do you plan to provide any surrebuttal testimony today?</pre>

1 Q. Mr. Hayet is available for cross. 2 MR. LEVAR: Ms. Barbanell, we'll go to you first. 3 MS. BARBANELL: No questions. Thank you. 4 MR. LEVAR: Mr. Dodge? 5 MR. DODGE: No questions. Thank you.
3 MS. BARBANELL: No questions. Thank you. 4 MR. LEVAR: Mr. Dodge?
4 MR. LEVAR: Mr. Dodge?
5 MR. DODGE: No questions. Thank you.
6 MR. LEVAR: Mr. Longson?
7 MR. LONGSON: No questions. Thank you.
8 MR. LEVAR: Ms. Schmid?
9 MS. SCHMID: No questions.
10 MR. LEVAR: Ms. Hogle?
11 MS. HOGLE: No questions.
12 MR. LEVAR: Commissioner Clark?
13 MR. CLARK: No questions. Thank you.
14 MR. LEVAR: Mr. White?
15 MR. WHITE: Yes.
16 EXAMINATION
17 BY MR. WHITE:
18 Q. Just one question, Mr. Hayet. You used a
19 reference QF pricing in the cue for Utah solar I guess
20 solar in general
21 A. I'm sorry, I'm not catching the question.
22 Q. Let me choke it up here a bit. The question is:
23 You reference QF pricing as a potential market indicator of
23 You reference QF pricing as a potential market indicator of 24 what we may expect if

Page 249 1 0. -- PacifiCorp were to expand the scope. Is there 2 any reason to distinguish between QF pricing that's based 3 upon presumably the commission's approved Schedule 38 cost 4 pricing and what the company might expect in a solar solicitation? 5 If I understand the question correctly, which is, 6 Α. 7 would there be a difference between a QF based price for solar versus the price the company might receive through its 8 9 bids, yes, there could be a difference. And -- but I think 10 it's instructive that the pricing that the -- A, that the 11 pricing that the solar may -- that we heard through 12 testimony, it's instructive that those prices are 13 dramatically different than the numbers that are in the IRP. And so it's entirely possible that the ultimate 14 pricing of solar could be much lower than what the company 15 has used in the IRP. And we also note that the company did 16 not update its solar prices at the same time that it updated 17 its wind prices. 18 19 0. Thank you. That's all the questions I have. 20 MR. LEVAR: I have one follow-up question to 21 Commissioner White's question. Are you aware if there are 22 any Utah QFs, Utah solar QFs that have actually become 23 operational and on line with pricing significantly lower than what was modeled in the IRP to justify this solicitation 24 25 process?

Page 250 1 I am not aware for sure but I suspect that not Α. 2 yet. 3 MR. LEVAR: Thank you. That's my only question. 4 Any redirect, Mr. Moore? 5 MR. MOORE: No. We rest. MR. LEVAR: I should have done that before our 6 7 questions but I forgot. MR. MOORE: There was no cross, so no redirect. 8 9 MR. LEVAR: Thank you, Mr. Hayet. We appreciate your testimony today. 10 11 Α. Thank you. 12 MR. LEVAR: Anything further, Mr. Moore? 13 MR. MOORE: None. Thank you. 14 MR. LEVAR: We'll go to Mr. Dodge next. 15 Is it okay if we --MR. DODGE: 16 MR. LEVAR: If you would like to have Mr. Isern 17 qo next --18 MR. DODGE: Yes, let's go with him next. That's fine with us. 19 20 MS. BARBANELL: Thank you. So now we'll call 21 Hans Isern by cell phone to join us. 2.2 Hans, are you on the phone? 23 Α. I am on the phone. Thank you. I would just add, 24 it's very hard to hear the questions. I'm not sure if it's 25 possible to adjust the microphone or not, but it is a little

Page 251 bit difficult to hear. 1 2 MS. BARBANELL: Okay. I will do my best to speak 3 right into the microphone. Will you state your name, address and title for the record? 4 MR. LEVAR: I'll place him under oath first. 5 MS. BARBANELL: Oh, sorry. 6 MR. LEVAR: Mr. Isern, do you swear to tell the 7 truth? 8 9 Α. I'm sorry, could you say that again? 10 MR. LEVAR: Do you swear to tell the truth? 11 Α. I do. 12 MR. LEVAR: Thank you. 13 HANS ISERN, 14 having been first duly sworn, was examined and testified as 15 follows: 16 EXAMINATION 17 BY MS. BARBANELL: Please state your name, address and title for the 18 Q. 19 record. 20 My name is Hans Isern. I work at 201 Mission Α. 21 Street, Suite 540, San Francisco, California. My title is 22 senior vice president at sPower. 23 0. And who are you representing by your testimony 24 today? 25 I'm representing sPower. sPower is one of the Α.

	Degge 252
1	Page 252 leading developers and owners of solar in the U.S.
2	Q. Did you file rebuttal testimony in this docket?
3	A. I did.
4	Q. Do you have any corrections to make to any of
5	your testimony?
6	A. No.
7	Q. If I ask you the same questions today as set
8	forth in your testimony, would your answers be the same?
9	A. They would.
10	Q. I move to introduce Mr. Isern's pretrial
11	testimony into evidence.
12	MR. LEVAR: If anyone objects to that motion,
13	please indicate to me. I'm not seeing any objections, so
14	that motion is granted.
15	Q. Thank you. Mr. Isern, do you have a summary of
16	your testimony to present to the commission?
17	A. I do.
18	Q. Please proceed.
19	A. First of all, thank you to the commission and all
20	of the parties involved who ensure that we have a fair,
21	equitable and transparent RFP. sPower believes that without
22	modifications to allow solar, the RFP should be rejected. By
23	allowing solar, we agree with many of the other witnesses
24	that we will have a much more robust process.
25	Limiting the RFP to only wind and really only a
1	

1	Page 253 small subset of available renewable resources will compromise
2	competition and it will deprive Utahns of economic benefits
3	associated with solar investment in the state. We strongly
4	believe that the RFP should offer bids for other resource
5	types, including solar, because those bids, we believe will
6	be very competitive and may ultimately provide the least
7	cost, best option and also support significant economic
8	development in the State of Utah.
9	We'd also like to talk about the cost of solar.
10	sPower is one of the largest owners of solar in the U.S. We
11	have spent significant money on development. The costs for
12	solar in Utah is well below the \$51 to \$59 dollar a megawatt
13	hour range given in this hearing and also well below the the
14	\$57 to \$55 dollar megawatt hour range that I believe was
15	testified to by PacifiCorp on another matter.
16	Those costs really make no sense given current
17	market prices and PacifiCorp's own upgrade. I would say that
18	sPower's current required cost for new solar PTAs is at or
19	under \$30 dollars a megawatt hour. We have recently signed
20	PTAs in this range and we have been requesting other PTAs to
21	serve to us programs well below the ranges given by
22	PacifiCorp.
23	We also are a little bit confused by PacifiCorp's
24	claim that other resources would necessitate a long delay in
25	RFP evaluation. We have seen other utilities evaluate solar

1	Page 254 bids as part of the same RFPs without needing multi months.
2	We don't really understand PacifiCorp's concern there, and
3	believe that if other utilities are able to evaluate multiple
4	technologies, that PacifiCorp is as well.
5	(Inaudible)agrees with sPower's view that high level like
6	price, development stage and interconnections, study process
7	could eliminate significant numbers of bids without
8	substantial time investment by PacifiCorp, which would allow
9	for more expedited review and high level of screening
10	process.
11	We think that through proper RFP design,
12	PacifiCorp can get access to all of the data it needs to
13	really evaluate full wind and solar, and, frankly, any other
14	renewables that choose to bid.
15	We'd also like to address the concern around
16	missing the December 31st, 2020 production tax credit cutoff.
17	We do believe that that is a real product day that needs to
18	be kept in mind, however, we think that there's substantial
19	time for projects that are even in early phase of development
20	to come on line under this RFP.
21	Furthermore, we think that the commission should
22	recognize that there's also a deadline under the ITC. And by
23	not having an RFP that would include solar, it might deprive
24	Utah ratepayers of opportunities to have low cost resources
25	in solar.
1	

Page 255 I'm not sure if or when PacifiCorp might issue an RFP for solar but integrating solar into this RFP would in our minds enable PacifiCorp to capture full the ITC from solar as well as the PTC from wind. So it makes sense to have an integrated RFP process now to ensure that all tax credits are properly captured for and on behalf of Utah ratepayers.

8 We believe that the RFP needs other changes 9 beyond the inclusion of solar and other renewable resources. 10 The interconnection requirements, we still have concern 11 around. We understand that PacifiCorp has offered to modify 12 some of these requirements. These means however point to 13 substantial delays from PacifiCorp's transmission team and 14 interconnection team in getting study results back.

So we would seek some form of assurance that the studies would be timely completed along the lines of what's given in PacifiCorp's tariff. We have delays going upwards of eight months. And I think all of our projects have -- in PacifiCorp's territory have delays.

So we would worry that without some sort of assurance to developers and Utah ratepayers, projects that might not be initially excluded could easily become excluded due to an inability to get these interconnection studies completed.

Such studies are completed by PacifiCorp really

25

Page 256 with no ability of the developer to expedite. 1 It's pretty 2 much out of our hands and only in PacifiCorp's hands. So we 3 would seek some level of assurance that PacifiCorp is 4 adequately staffing their interconnection team or were outsourcing as the case may be. 5 The third area that we'd like to discuss changes 6 on and that we also feel strongly need to be changed is on 7 We understand that the incident evaluator established 8 PPA. 9 for this unfair for PacifiCorp to evaluate benchmark resources on a 30-year basis but allow for 20 year PPA. 10 11 PacifiCorp's solution was to adopt a 20-year PPA plus a ten 12 year PacifiCorp option to expand. 13 This is very inefficient for developers because we can't count on PacifiCorp extending. If we were able to 14 bid 25 and 30 year PPAs, we would know that our contracted 15 cash flows are contracted for 25 and 30 years. That allows 16 us to raise very efficient financing for 25 and 30 year debt, 17 which leads to lower prices for Utah ratepayers. 18 19 Any time that you make it an option agreement, 20 you are pushing uncertainty onto developers, and that will be 21 at the detriment of our bid price. So, we believe that 22 PacifiCorp needs to allow for both 25 and 30 year PPAs in 23 addition to 20 year PPAs with a potential of extension rates. 24 The fourth item that we think needs change is 25 that bidders will be ineligible if that bidder is in

	Page 257
1	litigation with PacifiCorp or threatened litigation with
2	PacifiCorp. No developer should be forced to effectively
3	waive their right to participate in an RFP. And that is what
4	is going to happen. In order to participate in one of the
5	opportunities to sell power, renewable power in Utah which
6	we're you know, PacifiCorp has a regulated monopoly, we
7	cannot have any litigation or threatened litigation with
8	PacifiCorp.
9	So effectively we're waiving our rights to any
10	potential claims we might have regardless of their validity.
11	So, we think that is incredibly ineffective and unfair to
12	developers. Developers should have rights as well. And
13	there are processes in place set up by the Utah PSC. It's
14	important that those processes be honored and that if
15	developers have complaints, that they can be heard.
16	So, we think that the restriction is improper and
17	frankly unconscionable. And, in summary, sPower recommends
18	that the RFP be opened to the solar across the service area,
19	that there be some level of guarantee or appropriate staffing
20	to get interconnection studies completed in line with the
21	tariff time lines, that PacifiCorp allow bidders to submit
22	for 25 and 30 year PPAs in addition to 20 year PPAs so that
23	there can be a straight comparison to benchmark pricing. And
24	that the exclusion of bidders who are in litigation or
25	threatened litigation with PacifiCorp be removed from the

1	Page 258 arc. That concludes my summary. Thank you.
2	Q. Thank you, Mr. Isern. By way of surrebuttal, I
3	would like to ask the following questions: During his direct
4	testimony, PacifiCorp witness Mr. Link stated that solar
5	development projects that are bidding power purchase
6	agreement prices in the \$30 dollar per megawatt hour range
7	are not getting built. Is that true?
8	A. I'm not sure what the basis for that is, but we
9	plan on building several projects with PPAs above \$30
10	dollars. And so I would argue that from a broad level, that
11	would not be indicative of the market.
12	Q. And do the prices sPower bids to sell utility
13	scales solar via PPAs include all end costs like sPower's
14	development and construction costs?
15	A. They do.
16	Q. Does the potential for the imposition of a tariff
17	on imported solar panels create a risk for sPower's ability
18	to put solar projects into commercial operations?
19	A. It does create a risk for sPower, yes. There is
20	risk around the 201 case. However, that is sPower's risk and
21	that is what our investors sign up for. And that is why we
22	pay PPA security deposits, in case there is a risk that comes
23	out of a trade case such as that or really any other
24	development risk that we normally take on in the normal
25	course of business.
I	

Page 259 1 0. Thank you. Does sPower have any facilities in 2 operation that are selling their output via QF power purchase 3 agreements? 4 Α. We do. If you have power purchase agreements, we have approximately 225 megawatts of facilities. 5 6 Q. Thank you. Does sPower have any solar projects in operation at below a \$50 dollar per megawatt hour 7 levelized cost? 8 9 I believe we do but I think that's really the Α. wrong question. The question isn't how many solar projects 10 11 are in operation but how many projects are planned and funded 12 appropriately. Renewable costs declined. And I don't think 13 that there's anyone on the commission who would disagree that solar costs have fallen rapidly over the last several years 14 15 and are projected to continue falling. But we shouldn't be backwards looking. Every 16 17 developer is forward looking. And I can tell you that we are bidding substantially less than \$50 dollars a megawatt hour. 18 We are putting down multi million dollar deposits and making 19 20 multi million dollar investments on our ability to deliver 21 power at \$50 dollars. 2.2 You know, the market price for solar, which is a multi billion dollar industry, would be probably in that kind 23 of \$20 to \$40 dollars a megawatt hour range depending on your 24 25 location and several PPA terms. Solar is well below \$50

1	Page 260 dollars in most regions of the country, including Utah.
2	Q. Do you anticipate a significant amount of
3	drop-off between the PPAs you have signed at lower cost and
4	putting actual projects into service?
5	A. No, we don't fund PPAs that we don't intend on
6	building. Typically there are large securities that we put
7	in place to guarantee our obligations. And when we sign a
8	PPA, we fully intend on building that project.
9	To date, across over a hundred projects that we
10	have operating, I believe that there's only been a handful
11	that have not come on line as expected. You're talking a
12	failure rate of really just a few percent. And a lot of that
13	is due to both the development team, but also our ability to
14	deliver and execute on falling market prices and secure our
15	obligations when we intend to move forward.
16	Q. Thank you, Mr. Isern. I have nothing further.
17	MR. LEVAR: Thank you. Mr. Dodge, do you have
18	any questions for Mr. Isern?
19	MR. DODGE: No, questions. Thank you.
20	MR. LEVAR: Mr. Moore?
21	MR. MOORE: No questions. Thank you.
22	MR. LEVAR: Mr. Longson?
23	MR. LONGSON: No questions. Thank you.
24	MR. LEVAR: Ms Schmid?
25	MS. SCHMID: One question. You referenced a \$30
1	

Page 261 dollar per megawatt hour figure. Is that a constant 1 2 levelized price for 15 or 20 years or is it a starting value 3 that increases each year? 4 Α. What I was referencing was intended to be a constant price with no escalation. 5 6 MS. SCHMID: Thank you. MR. LEVAR: Is that all of your questions, Ms. 7 Schmid? 8 9 MS. SCHMID: Yes, it is. 10 MR. LEVAR: Thank you. Ms. Hogle? 11 MS. HOGLE: Just a few. 12 EXAMINATION 13 BY MS. HOGLE: 14 0. Mr. Isern, you just testified as a matter of fact that you intend to build several projects in the \$30 dollar 15 16 per megawatt hour range. Are those projects cited in transmission constrained areas or are you quoting the cost of 17 power and not transmission or service? 18 19 Α. Typically our costs include all of the required 20 upgrades that are funded by sPower. So, when we quote costs, 21 it is all-inclusive of our costs, including any transmission 22 upgrades we have to pay to the utility to come on line. So, 23 there may be transmission constraints, and we seek to alleviate those constraints. Sometimes there's special 24 25 protection teams, sometimes through upgrades for the

Page 262 1 transmission network. But I would just say that in broad --2 in broad terms, the market price of solar --3 UNIDENTIFIED SPEAKER: Hello. You have been 4 conducting a meeting for a long period of time. If you wish to continue meeting, press one now. 5 6 Α. Sorry. I think I was interrupted by the --7 0. Yes. The market price of solar is well below \$30 8 Α. 9 dollars on an all-in basis for forward looking projects. You were here this morning. Were you present 10 0. 11 this morning when Mr. Dodge referenced a lawsuit between Glen 12 Canyon and Rocky Mountain Power? 13 Α. I was not present for that. He mentioned a lawsuit dealing with, I believe 14 0. transmission network upgrades, in case you didn't know. So, 15 I have one other question. You mentioned a deadline for ITCs 16 earlier. Isn't it true that the phaseout schedule for ITCs 17 is actually 2021, not 2020 like the PTCs? 18 19 Α. I'm sorry, can you please repeat the question 20 maybe closer to the microphone? I'm having a very difficult 21 time hearing you. 22 0. Isn't it true that the phaseout schedule for ITCs 23 is not the same as it is for PTCs? 24 Yes, that is true. It is slightly different. Α. And how is that? 25 0.

1	Page 263 A. The ITC was extended through '19 and they will
2	start construction. We're anticipating that it can go
3	through 2022. With PTCs, the start of construction we're
4	looking at on line date of 2020 or earlier. So, there are a
5	couple of years difference between the ITC and PTC. There
6	are step-downs in both. So the full IPC and PTC would be
7	available through the dates I mentioned but then a reduced
8	amount would be available on those two dates.
9	Q. You also mentioned that costs are below current
10	QF prices, I believe you said. Is there any reason for
11	developers to bid projects lower than this QF price?
12	A. We've had extreme difficulty getting PacifiCorp
13	to tender QF PPAs. Beyond that, QF PPAs in Utah will only
14	offer a 15 term. And we can offer substantially reduced
15	prices on a 20, 25 and 30 year term. So yes, it is possible
16	that developers I'd say possible and probable that
17	developers would bid lower prices than through an RFP.
18	Q. Do your PPA prices that you quote reflect
19	assumptions for renewable energy credit revenues?
20	A. I need to check. I'm not clear on who is taking
21	the recs in our PPA. I believe it's PacifiCorp, but, like I
22	said, I would need to check.
23	Q. No more questions.
24	MR. LEVAR: Okay. Thank you. Ms. Barbanell, any
25	redirect?

Page 264 1 MS. BARBANELL: No redirect. Thank you. 2 MR. LEVAR: Commissioner Clark? 3 EXAMINATION 4 BY MR. CLARK: Mr. Isern, when did your last project come on 5 0. line in Utah? 6 7 That's a good question. The projects that I've Α. personally been involved with in Utah are the Glen Canyon 8 9 projects which are yet to come on line and result in a dispute with Rocky Mountain Power. So, the projects I've 10 11 worked on directly does not yet come on line. There are 12 plans to come on line in 2019, late 2019. 13 The last projects that we brought on line, I believe were at the end of 2016. And we have several hundred 14 15 megawatts in construction right now across the country. And we are seeking to kick off construction of several hundred 16 megawatts very shortly, once again, across the country. 17 Recognizing that it might not be directly 18 0. comparable, but what's the levelized cost of the most recent 19 20 project that's come on line, the ones that you referred to at 21 the end of 2016? 2.2 Α. They're near the \$50 dollar a megawatt hour range 23 for what's come on line at the end of 2015. But, once again, that's the the wrong question because our costs in 2016 are 24 25 multiples higher than our projected costs in 2020.

Page 265 1 So, it doesn't make sense to be backwards 2 looking. We should be forward looking. And if we're going 3 to be bidding projects that can come on line in 2020 for the 4 PacifiCorp RFP, we should be evaluating them based on a 2020 5 cost structure. So I don't think that looking at historical 6 prices is of any use at all, especially given how guickly 7 renewable technologies can advance in their efficiency and 8 9 price. Is the principal driver in that reduction the 10 0. 11 efficiency in the panels, the improvement in the efficiencies 12 or improvements in construction costs for the panels, or 13 both? Or something else? 14 Α. Well, really both are combined with other factors So, we see lower costs for major equipment, not 15 as well. 16 just panels but also inverters and racks, the costs have fallen. We've seen greatly reduced operating costs as solar 17 has increased its employment in penetration. Our own end 18 19 costs are much lower today than they were a few years ago. 20 We've seen more efficient financing as solar 21 really has hit the scale. There's a myriad of reasons. You 22 know, our financial model has probably a hundred plus inputs. 23 So there's really a myriad of reasons why solar prices have fallen so drastically. But there is an impact for the items 24 25 you discussed. There are many other items as well.

1	Page 266 Q. That concludes my questions. Thank you.
2	MR. LEVAR: Commissioner White?
3	MR. WHITE: No questions. Thank you.
4	MR. LEVAR: And I don't have any additional
5	questions. So, thank you, Mr. Isern.
6	Ms. Barbanell, do you have anything else?
7	MS. BARBANELL: No, nothing else.
8	A. Thank you once again to the members of the
9	commission.
10	MR. LEVAR: Thank you. I think we'll take a
11	brief break right now. We'll come back maybe in a few
12	minutes, you know 4:30, 4:35. And I notice Ms. Wright
13	mentioned some time constraints. So we'll let you tell us
14	when we come back. But I think those are the only two
15	witnesses left, Ms. Wright and Mr. Knudsen. So we will
16	recess for five or ten minutes.
17	(Recess taken from 4:24 p.m. to 4:37 p.m.)
18	MR. LEVAR: Okay, I think we have all of the
19	parties in the room. So we're back on the record and we'll
20	go now to Mr
21	MR. DODGE: Thank you, Mr. Chairman. And I'm
22	wearing two hats here briefly. I would like to start with my
23	Utah Clean Energy hat and call Sarah Wright to the stand.
24	MR. LEVAR: Ms. Wright, do you swear to tell the
25	truth?

Page 267 MS. WRIGHT: I do. 1 2 SARAH WRIGHT, 3 having been first duly sworn, was examined and testified as 4 follows: 5 EXAMINATION BY MR. DODGE: 6 Ms. Wright, what is your name and your position? 7 0. My name is Sarah Wright and I'm the executive 8 Α. 9 director of Utah Clean Energy. And please describe your participation in this 10 0. 11 docket. 12 Α. On behalf of Utah Clean Energy, I submitted 13 rebuttal testimony. 14 0. And do you have any corrections to your testimony? 15 16 Yes, I do. There was one phrase somehow omitted Α. 17 and this is in lines 82 to 83. What it currently states is, "The IRP assumes pricing" -- excuse me. "The IRP assumes 18 solar pricing of \$57 dollars a megawatt hour in 2021, rising 19 20 with inflation to \$65 dollars per megawatt hour in 2022." 21 Oh, sorry. He's helping me read. It's hard for 2.2 me to read with my questions on and see so -- I'll take them off. "...in 2027." So how it should read is the same 23 language to start "The 2017 assumes" with the insertion of 24 25 this language: "2019 Utah solar pricing with the ITC credit

Page 268 1 between \$51.30 per megawatt hour and \$56.39 a megawatt hour." 2 And then the remainder of the phrase remains intact with the 3 citation to the -- after the \$56.39 per megawatt hour, the 4 citation to the PacifiCorp 2017 integrated resource plan, Table 6.2, page 111. 5 And with that correction, if I were to ask you 6 0. the same questions today as you were asked in your pretrial 7 testimony, would your answers be the same? 8 9 Α. They would. I would move to admit Exhibit UCE 1R, Ms. 10 0. 11 Wright's pretrial testimony. 12 MR. LEVAR: If anyone objects to that motion, 13 please indicate to me. Not seeing any objection, so the 14 motion is granted. 15 Thank you. Would you provide a summary of your Q. 16 testimony? 17 Thank you. And thanks for everyone's time Α. Yes. and attention on this long day. Utah Clean Energy 18 19 appreciates the company's effort to expand wind generation 20 within its fleet of resources and to capitalize on the 21 expiring production tax credits for the benefit of rate-22 payers. 23 However, Utah Clean Energy's concern is that by limiting the scope of the RFP to certain Wyoming wind 24 25 resources, the company has not and will not consider the

1	Page 269 competitive costs and benefits tied to solar and other
2	renewable resources located in the broader geographic area,
3	including Utah. It is true that the PTC is expiring, but so
4	is the 30 percent ITC for solar. We believe that expanding
5	the scope of the RFP to other renewable resources into a
6	broader geographic area is necessary to provide information
7	about the most cost effective resources.
8	The RFP is based upon the results of the 2017 IRP
9	update. Neither stakeholders nor the commission have had the
10	opportunity to fully review the IRP and IRP update.
11	Further, Utah Clean Energy has significant
12	concerns with the solar cost assumptions used in the IRP.
13	And inputs into the system also monitor the model because
14	they are significantly higher than the costs of recent solar
15	QF PPAs.
16	The 2017 IRP the Q yeah, PPAs did I say
17	QF PPAs? Okay. The 2017 IRP assumes 2019 Utah solar pricing
18	with the ITC credit between \$51.30 a megawatt hour and \$56.39
19	a megawatt hour and solar pricing of \$57 dollars a megawatt
20	hour in 2021, rising with inflation to \$65 dollars per
21	megawatt hour in 2027.
22	Solar pricing has declined significantly and
23	current solar pricing is closer to the \$30 dollar a megawatt
24	hour range than it is to the \$50 dollar megawatt hour range,
25	which would prohibit which would handicap solar selection

Page 270 in the IRP. 1 2 The IRP does call for over a gigawatt of solar 3 between 2028 and 2036, when the IRP assumptions for solar 4 costs are projected to be over \$65 dollars a megawatt hour. If the system optimizer model was given more realistic 5 pricing in the near term when the benefits of the ITC could 6 7 be passed on to ratepayers, it may very well, on selected solar in the early years, just as it collected significant 8 9 amount of wind after Rocky Mountain Power updated the wind 10 assumptions. 11 So without accurate solar pricing input, it's 12 impossible to conclude that the solar in Utah is not 13 economic. Consequently, it is not proven that the benefits identified in the IRP update are limited to only certain wind 14 15 resources in Wyoming. Further, it is not clear whether the IRP update 16 17 -- and I think it was clarified today that it did not include revisions to the solar assumptions. Utah Clean Energy is 18 concerned that the RFP is not designed to identify the lower 19 20 cost resource if the company has not adequately updated the 21 costs tied to solar resources and resources tried outside of 22 Wyoming. 23 Utah Clean Energy's rebuttal testimony urges the 24 company and the commission to expand the scope of the current 25 RFP to include all renewable resources in a broader

1	Page 271 geographic area, including solar resources in Utah. This
2	would give solar projects that can take advantage of the
3	expiring 30 percent ITC the opportunity to compete and to
4	provide Utah ratepayers with the associated benefits of those
5	reduced costs. That concludes my testimony.
6	MR. DODGE: Thank you. Ms. Wright is available
7	for cross-examination.
8	MR. LEVAR: Ms. Barbanell, do you have any
9	questions for Ms. Wright?
10	MS. BARBANELL: No questions.
11	MR. LEVAR: Mr. Moore?
12	MR. MOORE: No questions.
13	MR. LEVAR: Mr. Longson.
14	MS. LONGSON: No questions. Thank you.
15	MR. LEVAR: Ms. Schmid?
16	MS. SCHMID: No questions.
17	MR. LEVAR: Ms. Hogle?
18	MS. HOGLE: Just one moment.
19	No questions.
20	MR. LEVAR: Any questions, Commissioner White?
21	MR. WHITE: No questions. Thank you.
22	MR. LEVAR: Mr. Clark?
23	MR. CLARK: I have no questions. Thank you.
24	MR. LEVAR: I don't have any either. Thank you.
25	MR. DODGE: Thank you, Mr. Chairman. UAE would

1	like to cal	Page 272 I Steve Knudsen to the stand, or not to the stand
2	but to test	ify.
3		MR. LEVAR: Mr. Knudsen, do you swear to tell the
4	truth?	
5		MR. KNUDSEN: Yes, I do.
6		MR. LEVAR: Thank you.
7		F. STEVEN KNUDSEN,
8	having been	first duly sworn, was examined and testified as
9	follows:	
10		EXAMINATION
11	BY MR. DODG	E:
12	Α.	Mr. Knudsen, would you please explain your
13	current occ	upation?
14	Α.	Yes. I'm currently an independent consultant
15	having reti	red from Bonneville Power Administration in 2014.
16	Q.	And did you cause to be filed in your name
17	rebuttal	excuse me yes, rebuttal testimony on behalf of
18	UAE in this	docket?
19	Α.	Yes, I did.
20	Q.	And do you have any corrections to that
21	testimony?	
22	Α.	No, I do not.
23	Q.	Does that testimony represent your testimony here
24	this morning	g or this afternoon under oath?
25	Α.	Yes, it does.

Page 273 I'd like to move the admission of UAE Exhibit 1 0. 2 1.0. 3 MR. LEVAR: If anyone objects to that motion, 4 please indicate to me. I'm not seeing any objections so the motion is granted. 5 MR. DODGE: 6 Thank you, Mr. Chairman. (By Mr. Dodge) Mr. Knudsen, do you have a 7 0. summary of the pretrial testimony that you filed that you 8 9 would like to offer? Yes, I do. 10 Α. 11 Please proceed. Q. 12 Α. Thank you. My name is Steven Knudsen and I have 13 about 35 years' experience in the energy industry, approximately 30 years with Bonneville Power Administration, 14 15 and approximately -- I'm sorry, approximately twenty, 22 16 years -- or 27 years. And about eight years in private sector, three of which I was an IPP developer bidding in to 17 RFPs for large projects. And I actually bid into at least 18 one RFP in the State of Utah. 19 20 The experience in the 1980s with Bonneville in 21 the financial analyst area, I was a revenue requirements 22 manager for 2000 -- I'm sorry, a 1987 rate case. I moved on 23 and supervised development of load forecasts for rate pay and transmission planning. 24 25 THE REPORTER: Could you move a little closer to

Page 274 the mic, please? 1 2 Α. I was a supervisor in various groups over the 3 period of '88 to '95 responsible for load forecasting of 4 RFPs, integrated resource planning, and actually was with the 5 supervisor group that conducted several RFPs, one of which resulted -- and negotiated PPAs, one of which resulted in the 6 7 -- eventually in the construction of PacifiCorp's. ...(inaudible)... generating project in the state of 8 9 Washington. 10 And then I spent five years in the natural gas 11 industry. Then I spent about three years as IPP developer, 12 went back to Bonneville, and spent about six or seven years 13 in their transmission group. I was tariff -- in the tariff and policy group and was responsible for tariff 14 15 implementation. And also was responsible for the revenue 16 requirement and rate development process in Bonneville in, I 17 believe it was a 2007 rate case. My last years were in the power side of 18 Bonneville where I worked with long-term structured 19 20 acquisition, asset acquisition, and primarily working with 21 IPPs. 2.2 To summarize my testimony -- and I realize the time has elapsed in between -- and the conclusion of this 23 24 proceeding, so I'll try to be as brief as possible, but I 25 think it is important that I summarize a few things, some of

1	Page 275 which have been I think testified to by many other parties
2	today, but some of which are somewhat unique or have some
3	additional information that's worthwhile for the record.
4	My position is that the commission order said the
5	record was insufficient to approve this RFP. And I was not
б	able to find any meaningful or substantive additional
7	information for the record that would suggest that limiting
8	the RFP to Wyoming wind and transmission will result in a
9	robust set of bids or in any way can provide any assurance
10	that the resources selected represent the lowest cost
11	resources.
12	In particular, having been responsible for
13	developing several IRPs while at BPA, I'm aware that the
14	scenario planning models or capacity expansion models used in
15	the IRP planning process, such as the system optimizing model
16	used by PacifiCorp, while incredibly helpful and informative
17	in doing capacity expansion planning, cannot in any way
18	confirm the lowest cost resources.
19	That can only be done by creating a competitive
20	environment and a fair and open solicitation process. And an
21	example that we've heard today is the fact that the IRP
22	planning process is using very outdated estimates of costs of
23	wind. And even if they were updated to the ones today, it's
24	quite likely that the bids, if the RFP is truly competitive

and in a sense the developers could compete against each

Page 276 other, for them to provide -- the cost or the bid prices will 1 2 probably be even lower than those represented today. 3 The concerns about time delays associated with 4 the RFP process that might be -- or are alleged to compromise the ability to capture PPA benefits for customers, I think 5 have been very overstated and are not accurate. 6 The majority of time, at least in my experience 7 in dealing with evaluation of bids, is in the in-depth 8 9 analysis of short listed resources and the negotiation of the 10 PPA process. The concept that limiting competition upfront 11 is somehow necessary to achieve the goals of this RFP in 12 terms of acquiring those resources for Utah ratepayers is --I don't believe is supported in the record, and, by my 13 14 experience, is not enough. 15 Every bidder is required to pay \$10,000 dollars bid fee. If they got 50 more bids, that would be another 16 half a million dollars that they would contribute towards 17 supporting the resources necessary to evaluate and screen 18 those initial bids in a timely manner. And the screening 19 20 process at the front end to potentially weed out those bids 21 that clearly are not competitive or clearly don't warrant 22 consideration for the short list is relatively efficient. 23 Also, the delay in the RFP, delay in the selection of resources, I don't believe will compromise, as 24 25 others have said, won't compromise the ability to complete

r	Page 277
1	the development of renewable energy projects and have them in
2	or at least ready for commercial operation by 2020.
3	And the that my testimony shows, or as has
4	been shown here today, the production tax credits not expire
5	at 2020. They expire if the project has not made continuous
6	progress towards development. And I believe it's
7	illustrative that the IRS went out of its way to say non
8	exclusive lists but these are these excuses for delay,
9	such as a delay in the completion of the interconnection for
10	which the developer does not have control, are excused
11	absences I'm sorry, excused delays.
12	Wyoming resources could I should say Wyoming
13	resources with about a three-quarter billion dollars worth of
14	transmission investment could very well turn out to be the
15	loaded cost resources. But I'm very skeptical. There have
16	been a number of studies done at the WEK wide level by WEK
17	transmission planning who have looked at this issue of, well,
18	if we just invested in, you know, large chunks of
19	transmission and would Wyoming wind be competitive. And
20	they've been inconclusive.
21	So, I see nothing in PacifiCorp's analysis in
22	this IRP, which is very quite very difficult to evaluate
23	the quality of their analysis because it did not go through
24	any public review process. And it's largely a black box that
25	they brought out at the last minute.
1	

Page 278 But I have doubts, very -- doubt that the 1 2 proposed Wyoming wind and transmission resources would show to be the lowest cost alternative for Wyoming ratepayers if 3 4 the -- if the RFP were restricted, or were opened up and it was truly fair and promoted competition from multiple 5 6 resource types. 7 Some of the reasons I believe that to be true is in order for Wyoming wind plus transmission to essentially 8 9 achieve the benefits that PacifiCorp claims, there needs to be the ability for that wind to do dispatch and... 10 11 (inaudible). 12 And Mr. Link's testimony confirmed that the sub 13 segment of Gateway West that they're proposing to build, along with approximately a hundred million dollars, give or 14 take, of 230 AV lines that appear to be directly proposed to 15 interconnect their benchmark resources, those transmission 16 17 investments will not increase the capability or transfer capability of the transmission system and move power west out 18 19 of Wyoming to the PacifiCorp's loads. 20 It will allow a large amount of wind to inter-21 connect and be able to be dispatched at probably fairly -- or not dispatched but be able to avoid curtailment for most of 22 the time. However, in many hours, and in the most critical 23 hours of the year, peak hours of the year when Jim Bridger 24 25 Power is needed, there really won't be an alternative to

1	Page 279 displacing Jim Bridger Power to get that wind out.
2	That's problematic because the Jim Bridger
3	resource is the major resource in the Pacificorp system and a
4	major source of their balancing reserves to actually be able
5	to balance and integrate wind into the system. So, in many
6	cases, displacing Jim Bridger to allow the wind to generate
7	will not be an option and it will force the curtailment of
8	the wind.
9	Another reason that I believe that the limiting
10	or not opening the solicitation to a broader range of
11	resources as far as geographic location is that doing so, you
12	will avoid the ability to evaluate the cost savings and
13	capacity of benefits associated with reduced transmission
14	lockers on the system.
15	Wyoming and this is not a criticism of Wyoming
16	or a criticism of the way PacifiCorp's system is built out or
17	the way the grid has evolved in the west but Wyoming
18	locating resources to Wyoming is the highest the area that
19	will create the highest transmission losses.
20	And in my testimony to demonstrate that, I
21	used commissioned some reports or studies from a power
22	simulator using actual WEK 2018 operating cases for heavy
23	winter and heavy summer loads, basically looking at the
24	system, the entire WEK system, using approved operating cases
25	that have been approved by PacifiCorp transmission planners,

Page 280 as well as the transmission planners of every balancing authority area in WEK at fairly representing the topology, loads and resource of a heavy summer day and heavy winter day in 2018.

5 And I looked at and calculated the differential losses of a resource dispatching at Jim Bridger represents 6 7 the wind project that they were built versus an identical size resource dispatching elsewhere on the PacifiCorp system. 8 And it showed essentially, whether you were looking at 9 southern Utah, northern Idaho, southern Idaho or southern 10 Oregon, there's about ten percent loss savings by dispatching 11 12 a resource at those other locations in comparison to Wyoming 13 wind.

Stated another way, if you are acquiring a 14 15 resource that's going to be dispatching on peak, it's like 16 getting ten percent more capacity at no cost. And given the 17 peak hours are when PacifiCorp, as Rick explained today, needs capacity to displace and save the ratepayers money, 18 they're going to get ten percent more bang for their buck 19 20 from an identical resource located almost anywhere else on 21 the PacifiCorp system than Wyoming during winter and summer 22 heavy load conditions.

There is an issue that it doesn't appear to me that PacifiCorp's representations of revenue requirements resulting from the Wyoming wind and transmission includes all

1	Page 281 of the costs, in particular, wind integration costs.
2	PacifiCorp has assumed wind innovative costs of about .57
3	cents a megawatt hour for wind in their IRP. At the same
4	time, they filed and placed into service a few months back
5	new wind balancing rates that are charged all old customers
6	transmission transmission customers that are on the order
7	of about \$3 dollars a megawatt hour versus 50 cents.
8	So, that's if the actual the accurate cost
9	of integrating winds in the system are not included in the
10	forecast revenue requirements of any resource acquisition,
11	then that's questionable.
12	Now, that's not a criticism of Wyoming wind in
13	general, that's saying that if you're going to use or compare
14	resources and different types of resources, that you need to
15	look at the full costs of integrating those resources into
16	the system.
17	Finally, Rocky Mountain Power's analysis doesn't
18	appear very robust in terms of the production costs in the
19	the production additional production costs, incremental
20	production costs associated with placing 1,100 plus megawatts
21	of wind in an area that is transmission constrained and will
22	remain transmission constrained after the investment is made.
23	We talk about Bridger curtailment. That's one
24	example. And I don't know if it's appropriate to say this
25	for surrebuttal but I think it's is it permissible to add
I	

Page 282 1 a comment here that -- while we're on the subject that is 2 surrebuttal testimony or would you prefer -- I'm not sure of 3 the process.

4

MR. LEVAR: Yes, go ahead.

One additional information in the area of 5 Α. production cost curtailment. The additional information that 6 7 I heard today for the first time was Mr. Link stating that there actually is a need. They do have a need for resources. 8 9 And that need is for displacing front office transactions. The front office transactions represented in the IRP that 10 11 Mr. Link is referring to are forward capacity purchases that 12 they are required to have the capacity to meet load and to 13 meet their reserve obligation.

14 And the Wyoming wind and transmission resources 15 do not bring capacity and cannot be relied on to displace any front office transaction that -- the front office 16 transactions that are represented in the IRP. The IRP has a 17 set of front office transactions who represent forward 18 capacity purchases. In reality, the front office is creating 19 20 power all the time. And the actual front office transaction 21 buys and sells are orders of magnitude greater than those. 2.2 So, I do not understand the -- Mr. Link's 23 representation that Wyoming wind behind its constrained 24 transmission can replace front office transmission. 25 I also don't understand Mr. Link's claim that no

1	Page 283 additional resources can be interconnected and decided
2	voltage issues. There can be issues of low voltage, high
3	voltage, but and I'm not like like Mr. Link, I am not a
4	transmission planning engineer. But one concept I do
5	understand is that if a generator is interconnected but it is
6	not generating, then it is not then the system cannot see
7	or cannot possibly cause voltage issues.
8	And, as my testimony said, PacifiCorp, consistent
9	with their obligations under their open access transmission
10	tariff, continues to offer interconnections in Wyoming in the
11	exact location where Mr. Link claims that they can't inter-
12	connect any more resources.
13	I do believe that there's been some discussion
14	of possible litigation associated with the way Rocky Mountain

Power has rolled out their proposed transmission expansion 15 paired with their own benchmark resources. I won't go into 16 detail, but I think that that has created some, at least the 17 appearance of discrimination against existing resources that 18 have already gone through the interconnection process and 19 20 been told they cannot receive network resource 21 interconnection in Wyoming unless and until the entire 22 Gateway west segment D, the entire Gateway south and additional transmission reinforcements are built. 23 24 The only recourse for projects in that situation is to seek redress from (inaudible). And that brings the 25

1	Page 284 issue of the sole discretion language that has been
2	discussed. I believe that all references to sole discretion
3	by PacifiCorp should be removed. And this is just an example
4	of you know, Mr. Link today was questioned on what they
5	mean when they say litigation. Well, they don't really think
6	a regulatory proceeding is litigation.
7	Well, basically what it says is they want to keep
8	the clause in the RFP that says anybody that has even ever
9	threatened litigation with PacifiCorp is will be rejected.
10	And what is the definition of litigation? At PacifiCorp's
11	sole discretion.
12	So I don't believe that
13	MS. HOGLE: Excuse me. I'm sorry. I think we've
14	I've been waiting a little bit. And I object because it
15	seems like he's going beyond surrebuttal. And, with respect
16	to the point that he's making, I believe that Mr. Link
17	stipulated that he would change that litigation provision in
18	accordance with what counsel for sPower requested.
19	And so I'm not sure what the need to bring this
20	up again why it's needed and why we're going on about
21	that. Yes, so
22	MR. LEVAR: So you're objecting to his discussion
23	of the litigation issue that was discussed earlier in the
24	hearing today?
25	MS. HOGLE: Yes, because I believe that has

Page 285 already been resolved. And so I'm just -- I quess I'm 1 2 wondering why he's bringing it up if we've already stipulated 3 to change that provision. 4 MR. DODGE: If I could respond, I don't see -- we haven't seen a stipulation. We saw some testimony here 5 today, but no one proposed language whether it will still be 6 7 within the company's discretion. It's certainly within the scope of surrebuttal presented here today, so he can 8 9 certainly respond to that. MR. LEVAR: And I think we do have Mr. Link's 10 11 testimony from this morning. We also have the Oregon 12 Commission's language on the issue. My understanding of Mr. 13 Knudsen's testimony is he's describing his concerns about the language of the RFP even with those two things. That's my 14 15 understanding of what he's saying. 16 So, with that, I think we'll let you continue 17 your surrebuttal at this point. One comment to finish that and then I'll move. 18 Α. With reference to the Oregon solution, I don't believe that 19 20 that is a practical solution for two reasons. No. 1, it has 21 a dollar threshold and much of a litigation, if you will, is 22 not seeking a specific dollar amount of damages, it's seeking 23 performance or other -- where any compensation or any level 24 of damages otherwise will be decided as far as proceeding, it 25 can't be determined upfront.

Page 286 1 And I'm not sure how you apply a ten million --2 or five million dollar threshold to a threat in -- a threat 3 in writing to litigate if PacifiCorp doesn't do something. 4 So it just seems totally unworkable. 5 Finally, to have the IE responsible for determining when discrimination against a bidder is not undue 6 7 versus okay in connection to this unsupported litigation clause in the RFP just doesn't seem practical or workable 8 and certainly doesn't meet the goals of UAE in seeking to get 9 that clause removed. 10 11 In conclusion, wind only RFP will be 12 fundamentally unfair to Utah residents and ratepayers. 13 Available low cost solar and other resources must be allowed to compete on a fair and equitable basis with PacifiCorp's 14 15 proposed self build wind transmission project. And there's no other way really to determine whether the lowest cost 16 resources will be acquired other than allowing an open, broad 17 and fair competition. Thank you. 18 19 Q. Thank. Did you have anything else by way of 20 surrebuttal that you wanted to cover? 21 Α. That's it. 2.2 MR. DODGE: Thank you. Mr. Knudsen is available 23 for cross. 24 MR. LEVAR: Ms. Barbanell, do you have any 25 questions?

1	Page 287 MS. BARBANELL: No questions.
2	MR. LEVAR: Mr. Moore?
3	
	MR. MOORE: No questions. Thank you.
4	MR. LEVAR: Ms. Schmid?
5	MS. SCHMID: No questions.
б	MR. LEVAR: Mr. Longson?
7	MS. LONGSON: No questions. Thank you.
8	MR. LEVAR: Ms. Hogle?
9	MS. HOGLE: No questions.
10	MR. LEVAR: Commissioner White?
11	MR. WHITE: Just one quick question. A lot of
12	the summary you provided addressed the issue of Wyoming only
13	wind with respect to the current RFP. If I heard correctly,
14	it really seems like the company expanded or was willing at
15	least at this point on the record to
16	UNIDENTIFIED SPEAKER: Hello. You have been
17	conducting a meeting for a long period of time.
18	MR. WHITE: That's correct.
19	UNIDENTIFIED SPEAKER: If you need to continue
20	the meeting, press one now, if not
21	MR. WHITE: I guess my question is that has
22	your testimony changed at all based upon that, I guess
23	proffer or offer to expand to all wind locations?
24	A. I think if I actually saw something in writing
25	that had what the substance behind that proposal, I think, in

1	Page 288 principle, that's moving in the right direction. I don't
2	believe that at limine is only if wind meets the criteria can
3	I also think that there's the evaluation criteria, as I
4	understand them, that are behind the current RFP is targeted
5	for only evaluating a group of essentially identical
6	resources located in a very small geographical area relative
7	to PacifiCorp's footprint.
8	And I don't and I don't believe that that
9	that just expanding it to more of the same kind of resource
10	but in some other areas really can be fairly evaluated in the
11	way they've structured their RFP and RFP evaluation now.
12	For instance, you know, how are they going to
13	evaluate and treat transmission losses, for instance? And
14	how are they going to treat and evaluate the differential
15	capacity contributions? I think it's moving in the right
16	direction. It's necessary but wholly insufficient.
17	MR. WHITE: That's all the questions I have.
18	MR. LEVAR: Mr. Clark?
19	MR. CLARK: No questions. Thank you.
20	MR. LEVAR: And I don't have any. Thank you,
21	Mr. Knudsen. Anything further, Mr. Dodge?
22	MR. DODGE: No. Thank you.
23	MR. LEVAR: Before we adjourn, I have one
24	clarification question. Mr. Link had made a request on Rocky
25	Mountain Power's behalf for a decision in this docket based
1	

Page 289 on this hearing. I think his words were by September 25th. 1 2 I just wanted to clarify, does that mean before or by the 3 close of business of September 25th, just so we know what the 4 request is? 5 MR. LINK: Well, since you opened it up, I think we would be happy with before, but we'll take by the end of 6 7 September 25th. The key issue is, frankly, just to make sure that we, if possible, with all due respect, that we have 8 9 information that we can take in our update to the Oregon 10 Commission on September 26th. 11 MR. LEVAR: Okay. 12 MR. LINK: So if we get it by the end of the day, 13 we'll be --14 MR. LEVAR: There's a proceeding in Oregon on the 15 26th? 16 Yeah. On September 26th, we're giving them an Α. update. It's at a regularly scheduled public meeting that 17 the Oregon Commission holds on basically the events that 18 19 occurred today. 20 MR. LEVAR: Thank you. Any additional matters 21 before we adjourn? Ms. Hogle? 22 MS. HOGLE: Yes, just one more thing. I believe 23 that there's been some confusion on economic opportunity versus need about what we testified to or, rather, Mr. Link 24 25 testified to. And I am wondering if you would indulge the

Page 290 company to clarify some of that confusion before we conclude 1 2 and close the record. 3 MR. LEVAR: Sure. Would you like to call Mr. Link back to the stand? 4 5 MS. HOGLE: I would. The company calls Mr. Link 6 so he can clarify that point. Thank you. 7 MR. LEVAR: I think that would be appropriate based on the discussion we had this afternoon. 8 9 So, Mr. Link, you're still under oath. Ms. 10 Hogle? 11 EXAMINATION 12 BY MS. HOGLE: 13 Mr. Link, as I indicated before, there have been 0. several parties who have, I believe, maybe mischaracterized 14 or misunderstood your comment today about need. Would you 15 expand on that and clarify what you meant by that and how 16 17 that -- what the relationship is, or the relationship between that economic opportunity, etcetera? 18 19 Α. Yes, I'd be happy to clarify that. Thank you for 20 the opportunity. Just in case it might be useful for folks, 21 I think fundamentally the primary issue is that -- or 22 clarification I would like to make, it's not a question of whether or not a resource is needed or it's an economic 23 24 opportunity. I think it can be both. And that's what we're 25 encountering.

Page 291 There's essentially no difference in how we 1 2 arrived at the preferred portfolio in this IRP cycle that 3 includes the wind and the transmission assets that we've done 4 in any IRP, meaning it is being used to fulfill a need. I think there's a unique circumstance around this particular 5 cycle, and the opportunity in front us with the PTCs in that 6 we can actually meet that need while delivering net cost 7 savings for customers. And it's also an opportunity that 8 9 expires with the (inaudible) at the end of the PTC hearing. 10 So there is an economic opportunity to deliver 11 our least cost, least risk portfolio, which has a resource 12 need in a cost effective manner. Thank you. 13 MR. LEVAR: Anything further, Ms. Hogle? 14 MS. HOGLE: The company rests its case. Thank 15 you. 16 MR. LEVAR: Any further cross based on that, Ms. Schmid? 17 MS. SCHMID: Yes. The division has just a few 18 19 questions. 20 EXAMINATION 21 BY MS. SCHMID: 22 0. Mr. Link, what resource need is the company 23 trying to solve through this RFP? 24 The company is trying to meet the resource need Α. 25 that is identified in the IRP. And the IRP has identified

1	Page 292 wind resources with the transmission as the least cost, least
2	risk plan to meet that need, that capacity need.
3	And therefore this RFP as originally proposed was
4	tailored to specifically go acquire those resources, clarify
5	it as for today or expand the scope to include wind resources
6	elsewhere on our system.
7	Q. It's my understanding, and I could be wrong,
8	because I'm not as fluent in the IRP as some, but that the
9	IRP showed that there was no physical need for resources
10	until perhaps 2028. Is that what I read?
11	A. I'd be happy to clarify that. In fact, in our
12	executive summary in the first couple of pages of the IRP we
13	lay out a load and resource balance that identifies when the
14	timing of a new generating resource might be required if
15	PacifiCorp took no further action and we lived within our
16	existing resource portfolio for the next 20 years.
17	We present that in a fashion that includes and
18	we've highlighted the maximum amount of front office
19	transactions, which, traditionally, market purchases tend to
20	be lower cost than ending new seal in the ground for
21	generated resources. It provides a signal for when the first
22	generating resource might show up in the portfolio that
23	you're about to analyze in an IRP.
24	In this case what's unique is we have a resource
25	that has an economic opportunity that actually can lower

Page 293 those costs. So, if you remove those maximum level of front 1 2 office transactions entirely and extend this case for many 3 IRP cycles, there's a capacity, sort of need immediately 4 coming out of the IRP. When did the company identify the need for front 5 0. office transactions to be replaced? 6 7 We've identified in the IRP the need for Α. It's one of the first steps we do in the IRP. 8 resources. So 9 I go back to the fall of last year. It's not a matter of replacing them because we haven't yet procured them. 10 They are a resource in our plan, just like any other resource will 11 12 be. 13 So a front office transaction, assume for 2021, the first full year these projects would be on line has not 14 yet been purchased in the market, it's a future product that 15 16 needs to be acquired. 17 Does anything in the IRP talk specifically about 0. replacing as an option those front office transactions with 18 this wind? 19 20 The resource portfolios for every simulation we Α. 21 do in the IRP are included with the IRP and presented and 22 discussed. And that's available for all to review. The 23 front office transactions in the case with this project are lower, particularly through the first ten years of the 24 25 planning period, than they are in the case without it.

1	Page 294
1	MS. SCHMID: The division would just like to note
2	that it is at this hearing this morning that the division
3	heard for the first time that this RFP was to meet a resource
4	need. The division's analysis has been based on a
5	representation or at least the division's interpretation of
6	the representation that the RFP was based on an economic
7	need sorry, an economic opportunity. That's it.
8	MR. LEVAR: All right. Thank you. Mr. Moore, do
9	you have any questions for Mr. Link based on this
10	MR. MOORE: I have nothing further. Thank you.
11	MR. LEVAR: Okay. Ms. Barbanell?
12	MS. BARBANELL: No questions. Thank you.
13	MR. LEVAR: Mr. Dodge?
14	MR. DODGE: No questions.
15	MR. LEVAR: Mr. Longson?
16	MR. LONGSON: No questions.
17	MR. LEVAR: Okay. And then if there's nothing
18	else, we mentioned that we understand Rocky Mountain Power's
19	request with respect to an order on this. We also will be
20	issuing a written order memorializing our bench ruling
21	regarding sPower's intervention. I anticipate that will not
22	happen until probably sometime after we issue our main order
23	on this hearing. And with that, we're adjourned. Thank you.
24	(The hearing was recessed at 5:36 p.m.)
25	

Page 295 1 CERTIFICATE 2 STATE OF UTAH) 3 :ss COUNTY OF SALT LAKE) 4 5 THIS IS TO CERTIFY that the hearing in the matter of PSC Docket No. 17-035-23 was taken before us, Rose-Marie Robinson and Rashell Garcia, Certified Shorthand Reporters and 6 Notaries Public in and for the State of Utah, residing in 7 Salt Lake City. That the said witnesses were, before examination, 8 duly sworn to testify the truth, the whole truth, and 9 nothing but the truth in said cause. 10 That the testimony of said witnesses was reported in Stenotype, and thereafter caused to be transcribed into 11 typewriting, and that a full, true, and correct transcription of said testimony so taken and transcribed is set forth in 12 the foregoing pages, numbered from 2 to 295, inclusive. 13 It is further certified that we are not of kin or otherwise associated with any of the parties to said cause of 14 action, and that we are not interested in the event thereof. 15 WITNESS MY HAND and official seal at Salt Lake City, Utah, this 21st day of September, 2017. 16 Maria My Commission Expires: 17 01-23-2018 Rashell Garcia C.S.R. 18 License No. 144 19 20 Rose-Marie Robinson, RPR Utah CCR 9884984-7801 21 California CSR 14132 2.2 23 24 25

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